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Crawler Crane Grue sur chenilles

LR 1600/2

Technical Data
Caractéristiques techniques

H-Boom Kit



LIEBHERR

LR 1600/2

LIEBHERR

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Technical description

Description techniques

A

Max. capacity	1322 kips at 39 ft radius HSDB – System with HS 138 ft.
Max. load moment	64.094.150 lbs-ft – 870 kips at 72 ft radius. HSDB2 – System with HS 138 ft

Crawler travel gear

Crawler chassis	Liebherr crawler chassis consisting of one centre section and two crawler carriers with crawler plates 4'11" (optional 6'7") and quadruple drive.
Central ballast	2 brackets 5500 lbs each. Total central ballast 143300 lbs. 6 ballast plates 22050 lbs each (option).

Crane superstructure

Superstructure frame	Liebherr-slewing platform frame, consisting of slewing platform with winch IV and removable A-frame, connected to the centre section by a roller slewing bearing.
Crane engine with sound insulation	6-cylinder diesel engine, make Liebherr, type D946 A7, water cooled, rated power 400 kW (544 HP) at 1900 rpm, max torque 1856 lbs-ft at 1300 rpm. Fuel tank approx. 314 gallons, exhaust emission according to directive 97/68/EG and EPA/CARB.
Winch I	Standard hoist drum, hydraulically driven by axial-piston swivel pumps with integrated planetary gear.
Winch IV	Boom hoist.
Reeving winch	Auxiliary winch for the reeving of ropes.
Slewing gear	1 slewing gear, hydraulically powered by axial-piston swivel pump, with integrated planetary gear.
Crane cabin	Air conditioned crane cabin tiltable to the rear with safety glazing, heat insulating glass, roof window with bullet proof glass, standardized control units ergonomically positioned. Additional thermostatically controlled hot water heating.
Crane control	Setting of configuration data by convenient interactive functions. All crane movements are initiated by means of two 4-way joystick hand levers and two 2-way hand/foot levers. All working movements are independently controllable.
Safety devices	Hoist limit switch. Safety valves against hose and pipe rupture. Drum switch limit at 3 rest layers. Wind speed gauge. Electronic inclination indicator. Aircraft warning control light.
Camera observation	2 colour-screens, 3 cameras for winches and rear area.
Counterweight	2 brackets 11025 lbs each. Total counterweight at superstructure 418950 lbs. 18 ballast plates 22050 lbs each (option).

Boom system

Main boom HS	System 2825 with head section for max. 1322774 lbs load capacity. Boom length S 79 – S 315 ft. Boom length HSDB 118 – HSDB 472 ft with derrick system.
Lattice type luffing fly jib W	System 2420 with head section for max. 1322774 lbs load capacity. Luffing jib lengths 79 – 315 ft. Winch V is needed for all luffing jib operations.
Fixed lattice fly jib F	System 1916 with head section for max. capacity of 302000 lbs, attachable at 10°, 15° and 30°, jib lengths F 39 – F 118 ft.
Derrick system D	System 2420 including guy rods. Winch III is needed for all derrick operations. Length 98 ft/118 ft.
Counterweight frame B	For max. derrick counterweight of 771600 lbs, for infinitely variable radius from 33 – 59 ft.
Counterweight trailer BW	For max. derrick counterweight of 771600 lbs at max. radius of 59 ft, infinitely variable radii from 43 – 59 ft.
Derrick-Counterweight	Plates for a total of 771600 lbs.
Heavy duty jib WV	Using existing parts of main boom and luffing jib. Mountable on S-main boom; tiltable between 12° and 20°. Length 39 – 315 ft.
Winch II	Second hoist winch.
Winch III	Reeving main boom / Derrick operation.
Winch V	Luffing for W-jib configuration.
Winch VI	Auxiliary hoist gear.
Whip line 79365 lbs	To be mounted on the S, SL, W, WV-boom head.

Additional equipment

Mechanical outriggers	For erection of long boom combinations without derrick-counterweight.
Hydraulic assembly jacks	Lifting of the basic machine for assembly/disassembly. Consisting of 4 lifting cylinders with supporting plates, installed on the centre part.
Hydraulic assembly cylinder	For assembly/disassembly of the crawler carrier by the crane itself.
Pin pulling device	Including mobile hydraulic aggregate. For assembly/disassembly of the pins at S and W intermediate sections.

Other items of equipment available on request.
Standard equipment and options according to effective price list.

Technical description Description techniques

Capacité max.	1322 kips pour une portée de 39 ft. Système HSDB avec HS 138 ft.
Couple de charge max.	64.094.150 lbs-ft – 870 kips pour une portée de 72 ft. Système HSDB2 avec HS 138 ft.

Train de chenilles

Mécanisme de translation	Le train de chenilles Liebherr est composé d'une partie centrale et de deux longerons avec patins de chenilles 4'11" (en option 6'7") et un entraînement à 4 positions.
Contrepoids central	2 consoles de 5500 lbs. Contrepoids central total 143300 lbs. 6 plaques de lest de 22050 lbs (option).

Partie tournante

Cadre de la partie tournante	Le cadre de la partie tournante Liebherr est composé de la partie tournante avec treuil IV et du chevalet démontable A, il est relié à la partie centrale du train de roulement par une couronne d'orientation à rouleaux.
Moteur de la grue avec isolation phonique	Diesel Liebherr 6 cylindres, type D946 A7, refroidissement par eau, puissance 400 kW (544 PS) à 1900 rpm, couple de rotation max. 1856 lbs-ft à 1300 rpm. Réservoir de carburant: env. 314 gallons. Emissions polluantes conformes aux normes 97/68/EG et EPA/CARB.
Treuil I	Treuil de levage standard, il est entraîné hydrauliquement par des pompes à débit variable à pistons axiaux avec réducteur planétaire intégré.
Treuil IV	Mécanisme de relevage.
Treuil de mouflage	Treuil auxiliaire pour le mouflage des câbles.
Mécanisme d'orientation	1 mécanisme d'orientation, il est entraîné hydrauliquement par des pompes à débit variable à pistons axiaux avec réducteur planétaire intégré.
Cabine du grutier	La cabine du grutier est climatisée, inclinable vers l'arrière, possède un vitrage de sécurité, un vitrage isolant thermiquement, une fenêtre de toit en verre blindé, des unités de commande normalisées disposées de façon ergonomique. Chauffage d'appoint et chauffage de l'eau régulé thermostatiquement.
Commande de la grue	Entrée des données de configuration par des fonctions interactives simples. Tous les mouvements de la grue sont commandés par deux manipulateurs à 4 voies et deux pédale/levier à 2 voies. Tous les mouvements de travail peuvent être commandés indépendamment.
Dispositifs de sécurité	Interrupteur de fin de course. Clapets de sécurité contre les ruptures de tuyaux et de flexibles. Coupure de fin de course du tambour avec 3 enroulements de sécurité. Anémomètre de sécurité. Inclinomètre électronique. Balise aérienne.

Contrôle vidéo	2 écrans couleur, 3 caméras pour la zone de treuils et la partie arrière.
Contrepoids	2 consoles de 11025 lbs chacune. Contrepoids total 418950 lbs. 18 plaques de lest à 22050 lbs (option).

Système de flèche

Flèche principale HS	Système 2825 avec élément de tête pour une capacité max. de 1322774 lbs. Longueur de la flèche S 79 – S 315 ft. Longueur de la flèche HSDB 118 – HSDB 472 ft avec système derrick.
Fléchette treillis à volée variable W	Système 2420 avec élément de tête pour une capacité max. de 1322774 lbs. Longueurs de flèche treillis 79 – 315 ft. Le treuil V est nécessaire pour fonctionnement fléchette treillis.
Fléchette treillis fixe F	Système 1916 avec élément de tête pour une capacité max. de 302000 lbs, montage possible sous 10°, 15° et 30°. Longueurs de flèche F 39 – F 118 ft.
Système derrick D	Le système 2420 comprend des tirants. Le treuil III est nécessaire au mode derrick. Longueur 98 ft/118 ft.
Palette de lest B	Pour un contrepoids derrick max. de 771600 lbs et rayons variables progressivement de 33 – 59 ft.
Remorque à contrepoids BW	Pour un contrepoids derrick max. de 771600 lbs pour un rayon max. de 59 ft, pour des rayons variables progressivement de 43 – 59 ft.
Contrepoids derrick	Plaques de poids total de 771600 lbs.
Fléchette pour charge lourde WV	Utilisation des parties disponibles de la flèche principale et de la fléchette treillis. Montage possible au niveau de la flèche S entre 12° et 20°. Longueur 39 – 315 ft.
Treuil II	2. treuil de levage.
Treuil III	Réglage flèche principale/mode derrick.
Treuil V	Réglage fléchette treillis à volée variable.
Treuil VI	Treuil de levage auxiliaire.
Poulie en extrémité de mât 79365 lbs	Elle sert au montage au niveau de la tête S, SL, W, WV.

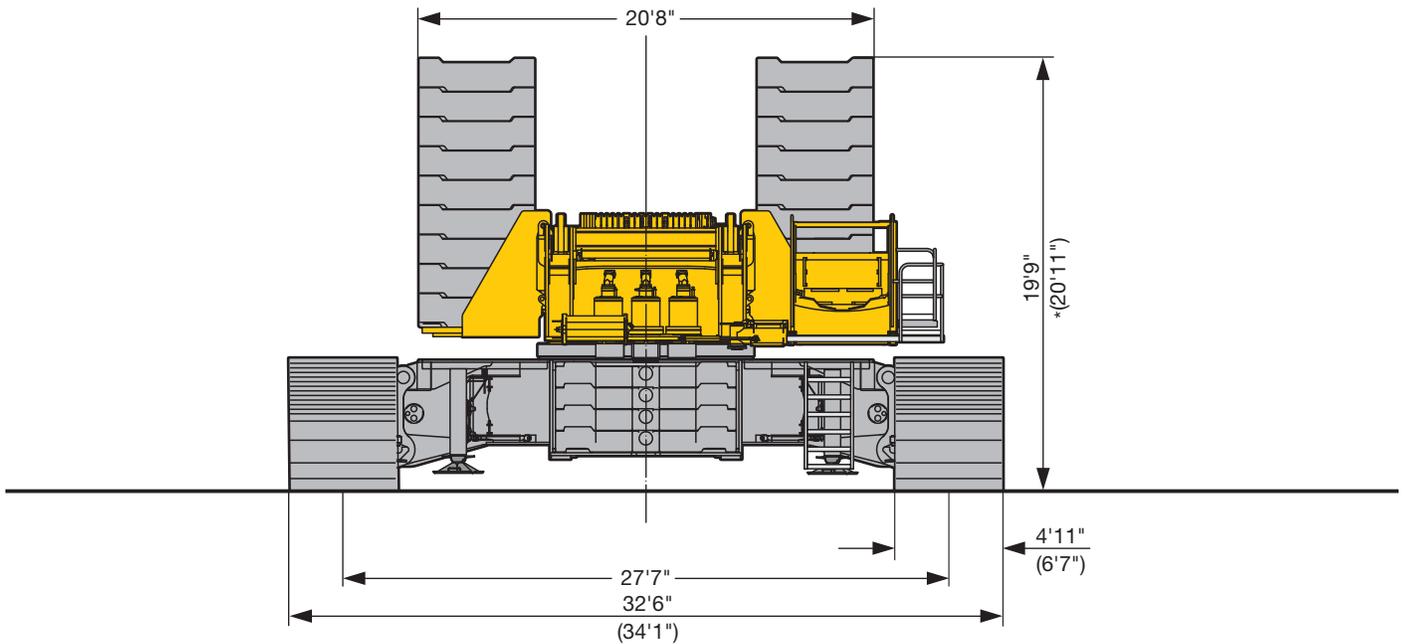
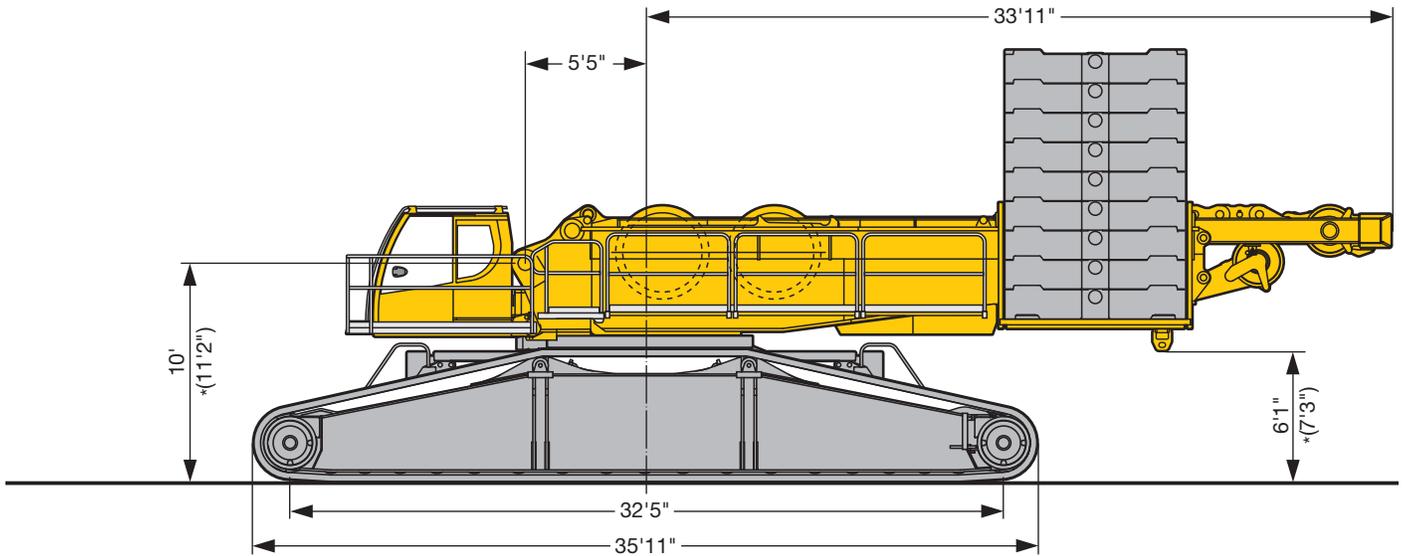
Équipement additionnel

Stabilisateur additionnel mécanique	Il sert au relevage de longues combinaisons de flèche sans contrepoids derrick.
Stabilisateurs hydrauliques de montage	Ils soulèvent l'engin de base pour le montage/démontage. Ils sont constitués de 4 vérins de calage dont les patins de calage montés sur l'élément central.
Vérin hydraulique de montage	Pour le montage autonome/démontage du train de chenilles.
Dispositif d'extraction des axes	Il est constitué du composant hydraulique mobile. Il sert à l'insertion et l'extraction d'axes des éléments intermédiaires S et W.

D'autres équipements additionnels sont disponibles sur demande. Les équipements de série et les options correspondent à la liste de prix actuelle.

Dimensions Encombrement

A

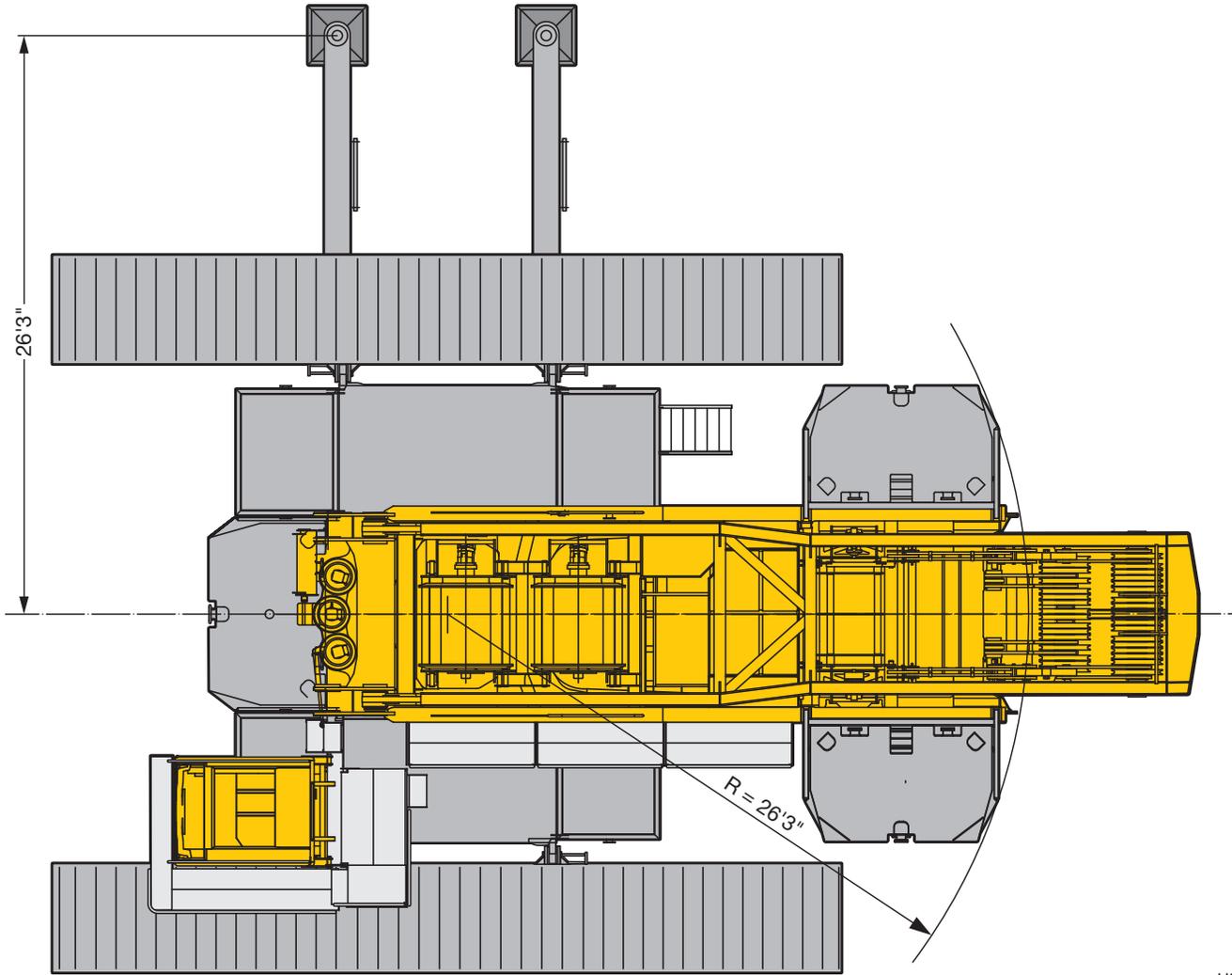


* Quick Connection / Raccord rapide

US2210.01

A

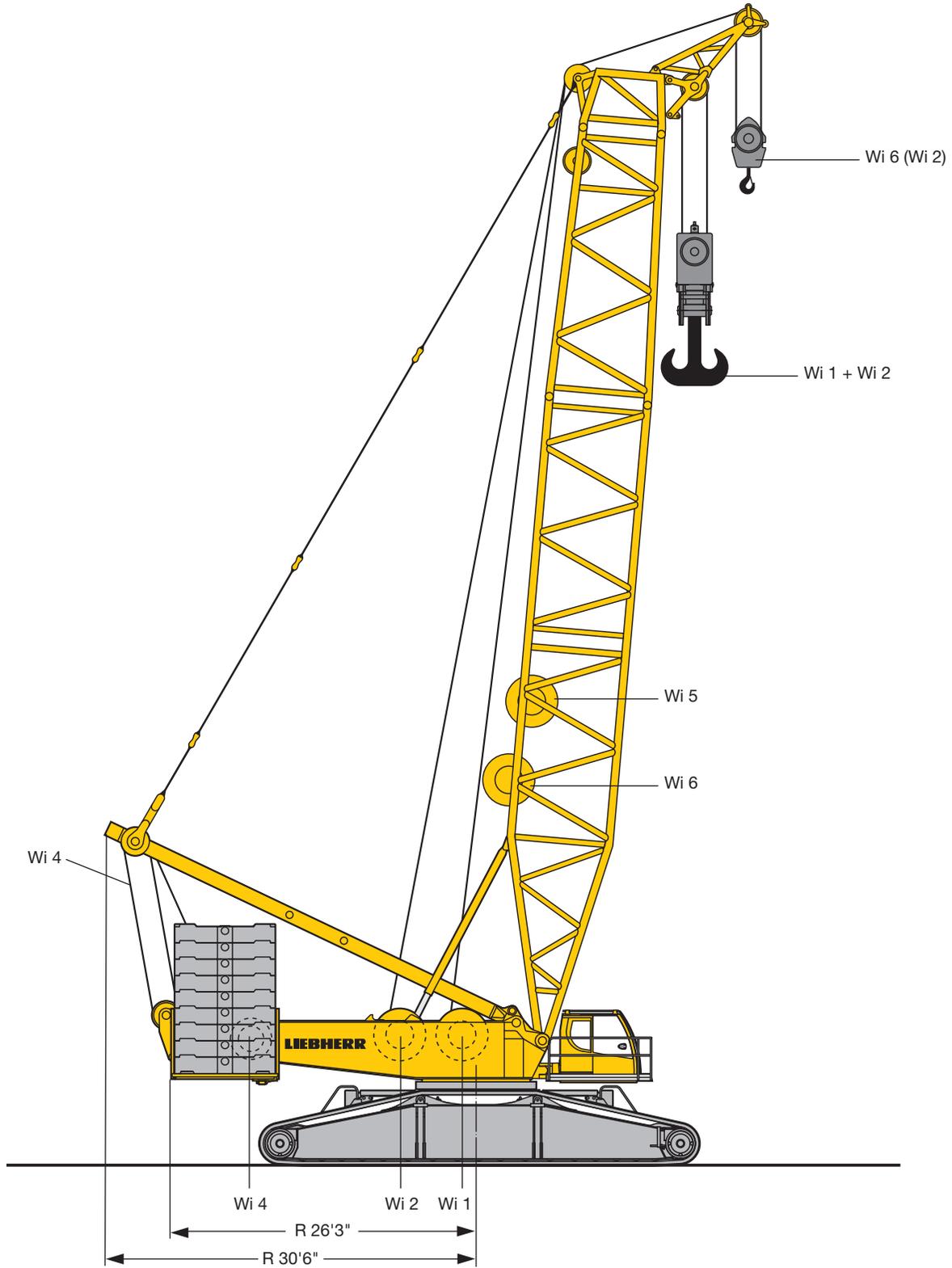
Dimensions Encombrement



US 2211.01

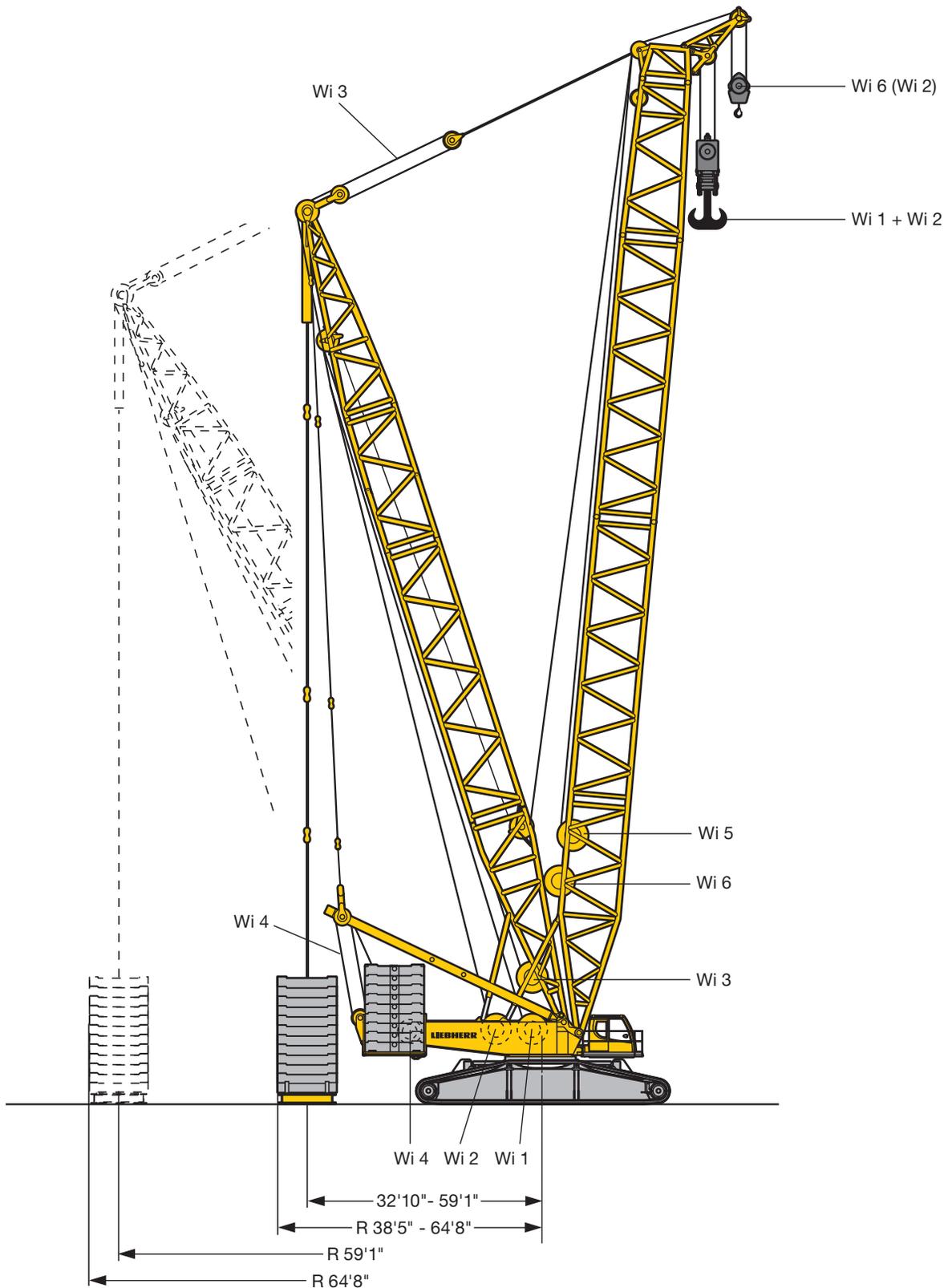
Dimensions Encombrement

A



US2212

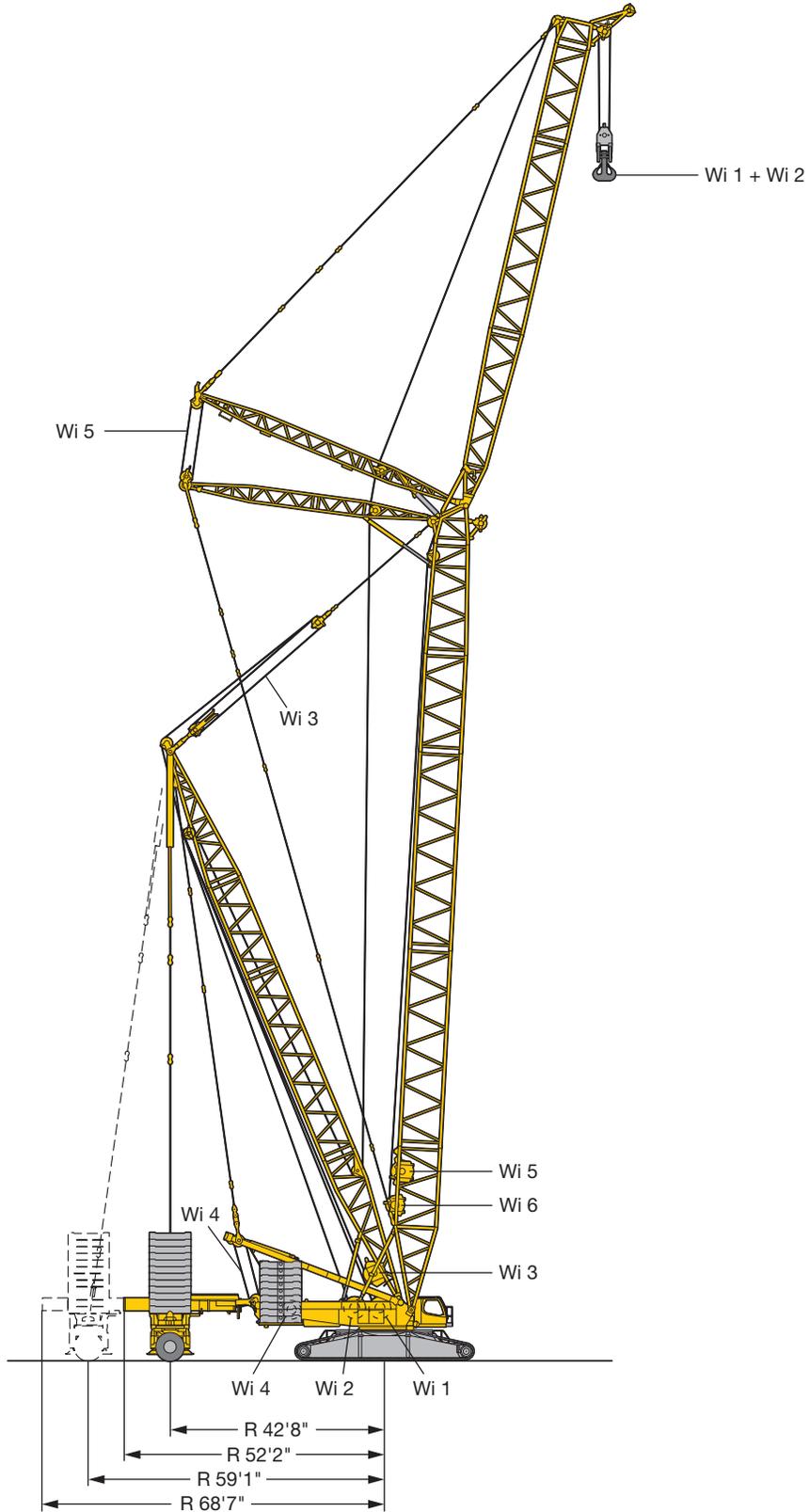
Dimensions Encombrement



US2213.01

Dimensions Encombrement

A



US2416.02

LR 1600/2

A

Dimensions Encombrement

B $\hat{=}$ R 32.8 ft - 59 ft



BW $\hat{=}$ R 42.7 ft - 59 ft



B2 $\hat{=}$ R 49.2 ft - 57.4 ft - 65.6 ft



US2819

Winches Treuils

A

Drive Mécanismes	Working speeds Vitesses	Max. single line pull Effort au brin maxi.	Rope diameter / length Diamètre / Longueur du câble
	0 – 436 ft/min	39700 lbs	1.1" / 3609 ft
	0 – 436 ft/min	39700 lbs	1.1" / 3609 ft
	0 – 427 ft/min		
	0 – 2 x 256 ft/min		
	0 – 436 ft/min		
	0 – 449 ft/min	27560 lbs	0.98" / 1970 ft

Working speeds Vitesses

	Slewing speeds Vitesses d'orientation	0 - 0.95 rpm
	Travel speeds Vitesses de translation	0 - 0.95 mph

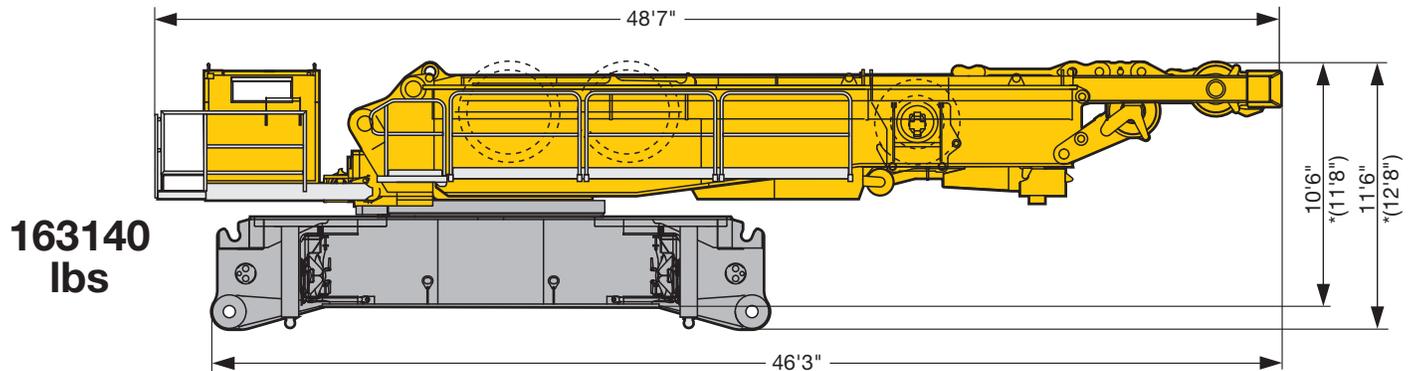
Hook blocks Moufles à crochet



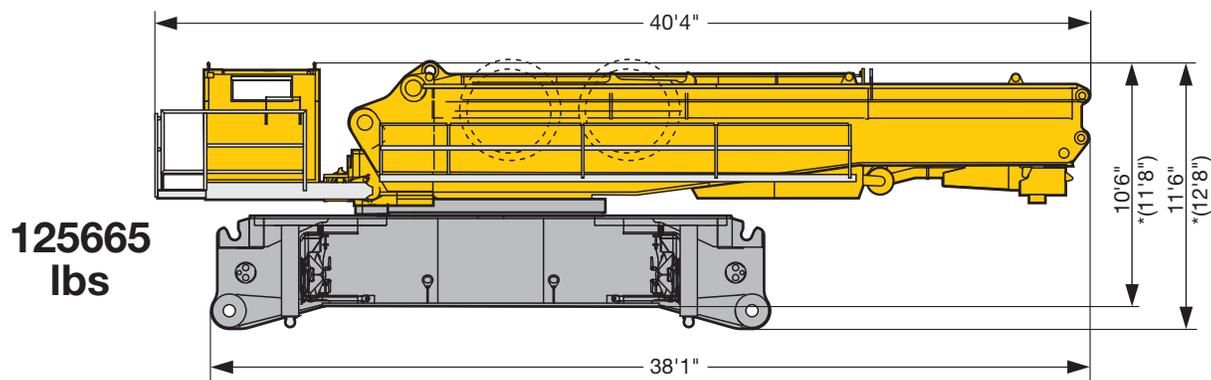
Load kips Forces de levage kips	Rope diameter Diamètre du câble	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
1320 / 660	1"	2 x 9	2 x 19	24250 – 35300 / 18750
790 / 395	1"	2 x 5	2 x 11	13300 – 24250 / 11025 – 15430
395	1"	5	11	4400 – 15430
265	1"	3	7	3300 – 12125
110	1"	1	3	2200 – 6600
35	1"	–	1	2425

Transportation plan Plan de transport

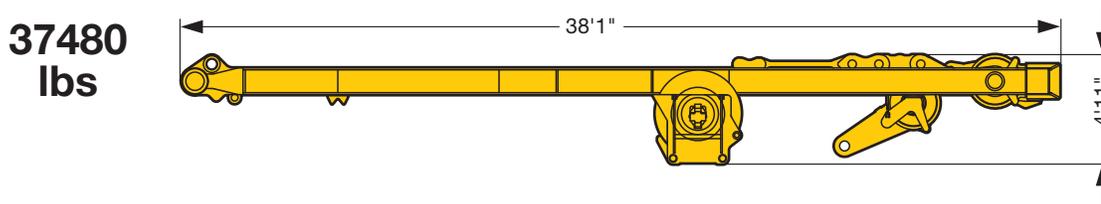
Superstructure and crawler center section with SA-frame, winch 4, with assembly jacks
Partie tournante et partie centrale du porteur avec chevalet SA, treuil 4, avec vérins de montage



Superstructure and crawler center section, assembly jacks
Partie tournante et partie centrale du porteur, vérins de montage



SA-frame, winch 4 incl. rope and pulley block
Chevalet SA, treuil 4 incl. câble et bloc de poulies



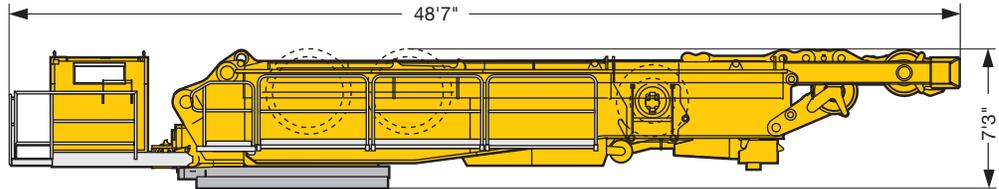
* Quick Connection / Raccord rapide

US2214

Transportation plan Plan de transport

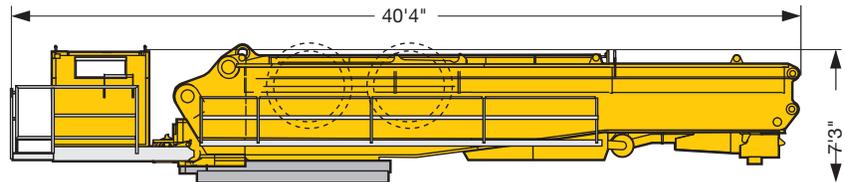
Superstructure with SA-frame, winch 4, quick connection
Partie tournante avec chevalet SA, treuil 4, quick connection

110250 lbs



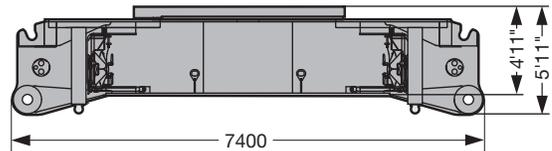
Superstructure with quick connection
Partie tournante avec quick connection

72750 lbs



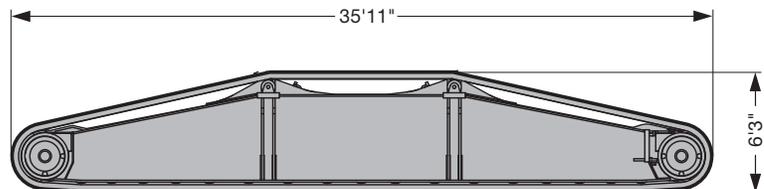
Crawler center section with assembly jacks, quick connection
Partie centrale du porteur avec vérins de montage, quick connection

59525 lbs



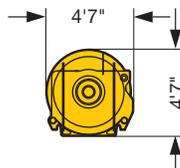
Crawler with track pads 4'11" (6'7")
Chenille avec pains de chenille de 4'11" (6'7")

**72750 lbs
(2 x 83775 lbs)**



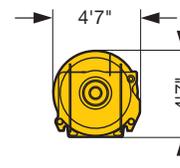
Winch 1 incl. rope
Treuil 1 incl. câble

16550 lbs



Winch 2 incl. rope
Treuil 2 incl. câble

16550 lbs



US2217.01

Boom/jib combinations Configurations de flèche

S Main boom, heavy
Flèche principale, lourde

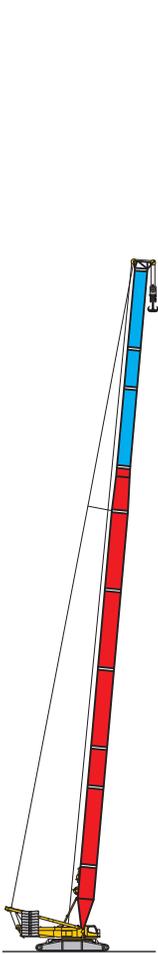
D Derrick
Flèche derrick

F Lattice fly jib
Fléchette treillis fixe

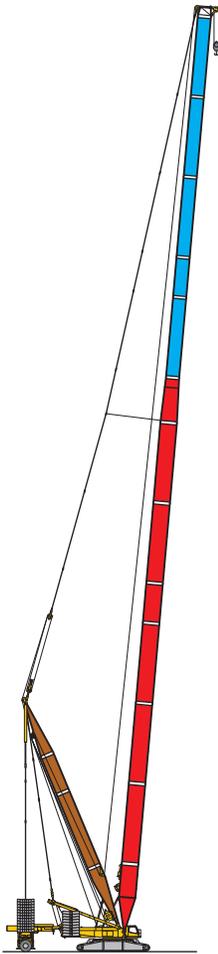
SL Main boom, heavy/light
Flèche principale, lourde/légère

W Luffing fly jib, heavy
Fléchette, lourde

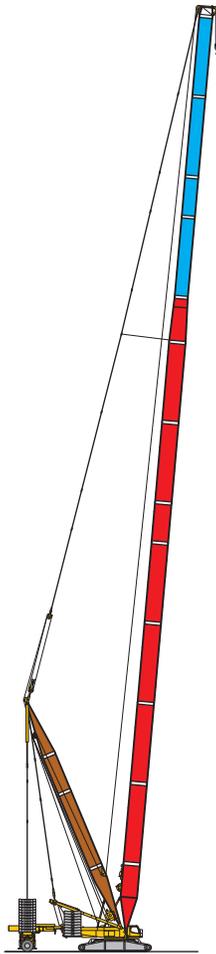
B Suspended ballast
Lest suspendu



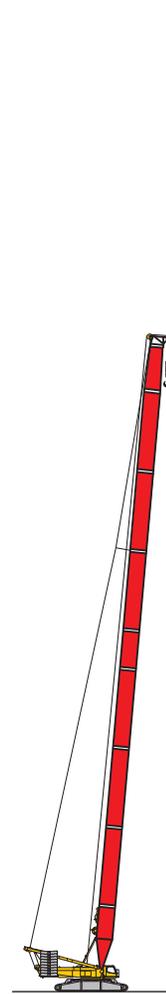
SL
177 ft - 335 ft



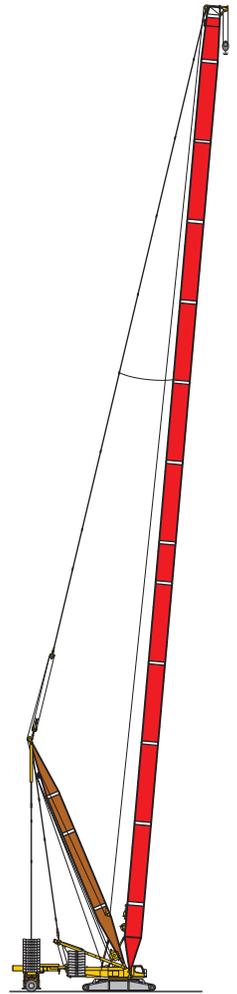
HSLDB/BW/B2
HSL 177 ft - 453 ft
D 118 ft



HSL2DB/BW/B2
HSL2 236 ft - 453 ft
D 118 ft



S
79 ft - 315 ft



HSDB/BW/B2
HS 138 ft - 473 ft
D 98 ft - 118 ft

US2847.01



B



C



D



E



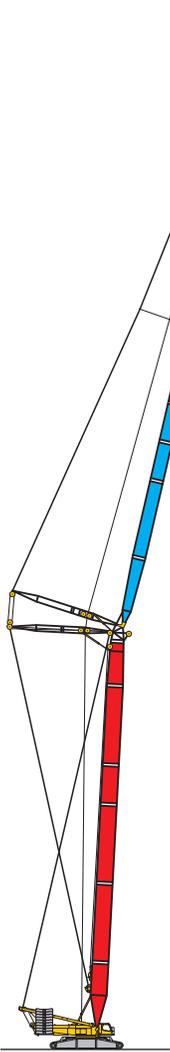
F

Boom/jib combinations Configurations de flèche

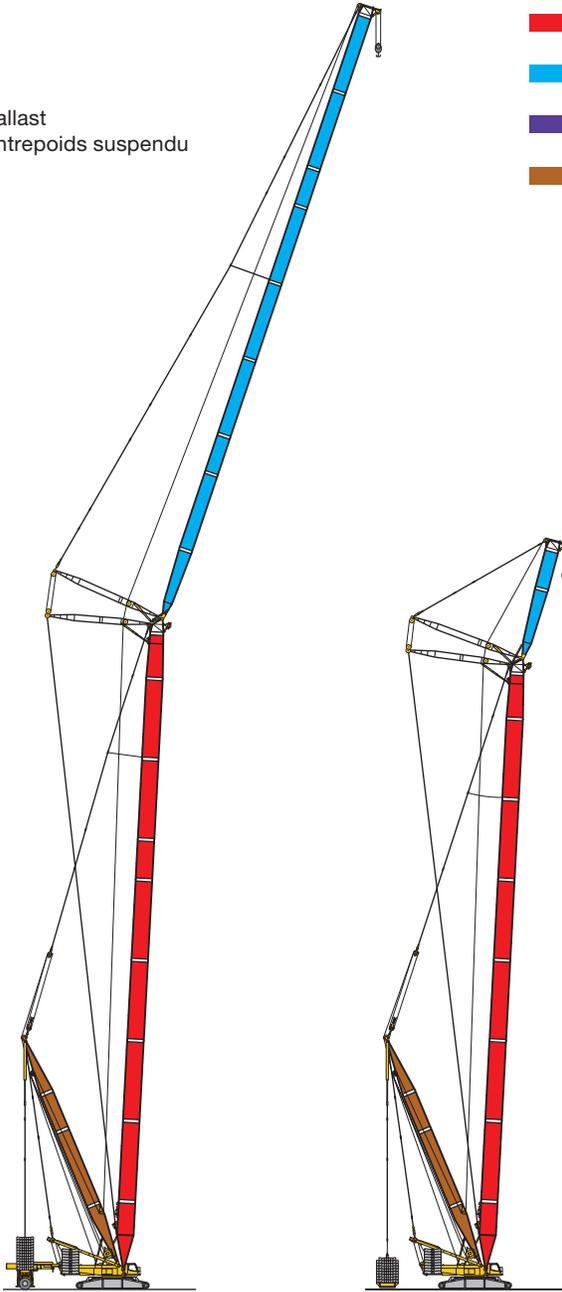
BW Ballast trailer
Porteur de lest

B2 Guiding frame floating ballast
Cadre de guidage du contrepois suspendu

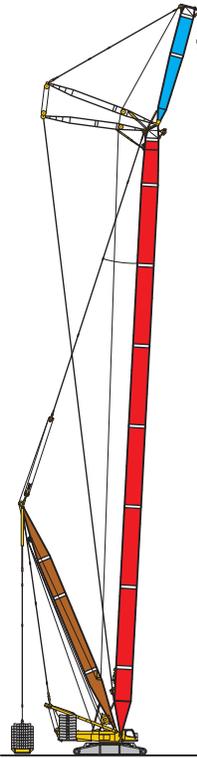
- S 2825
- LI 2420
- F 1916
- D 2420
- SW 600 t
- F 137 t



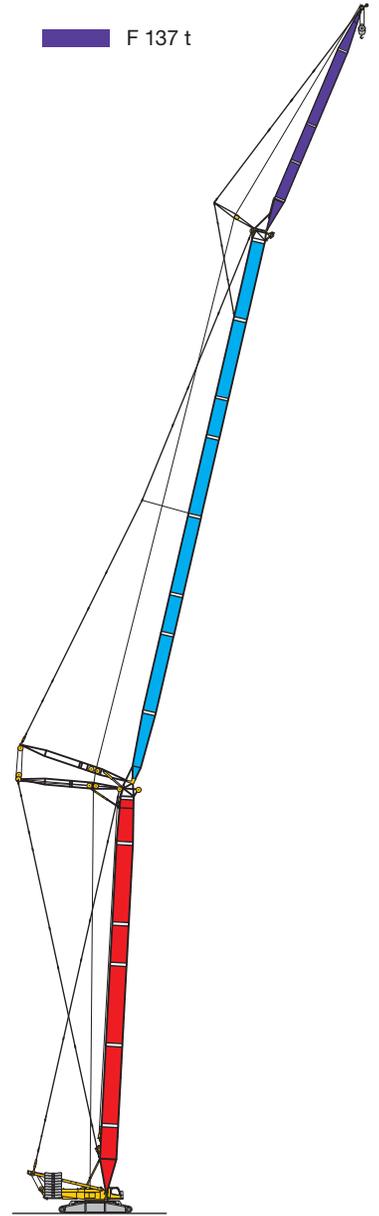
SW
S 118 ft - 217 ft
W 79 ft - 315 ft



HSDWB/BW/B2
HS 138 ft - 335 ft
W 79 ft - 315 ft
D 98 ft - 118 ft



HSDWVB/BW/B2
HS 138 ft - 335 ft
WV 39 ft - 315 ft
D 98 ft - 118 ft

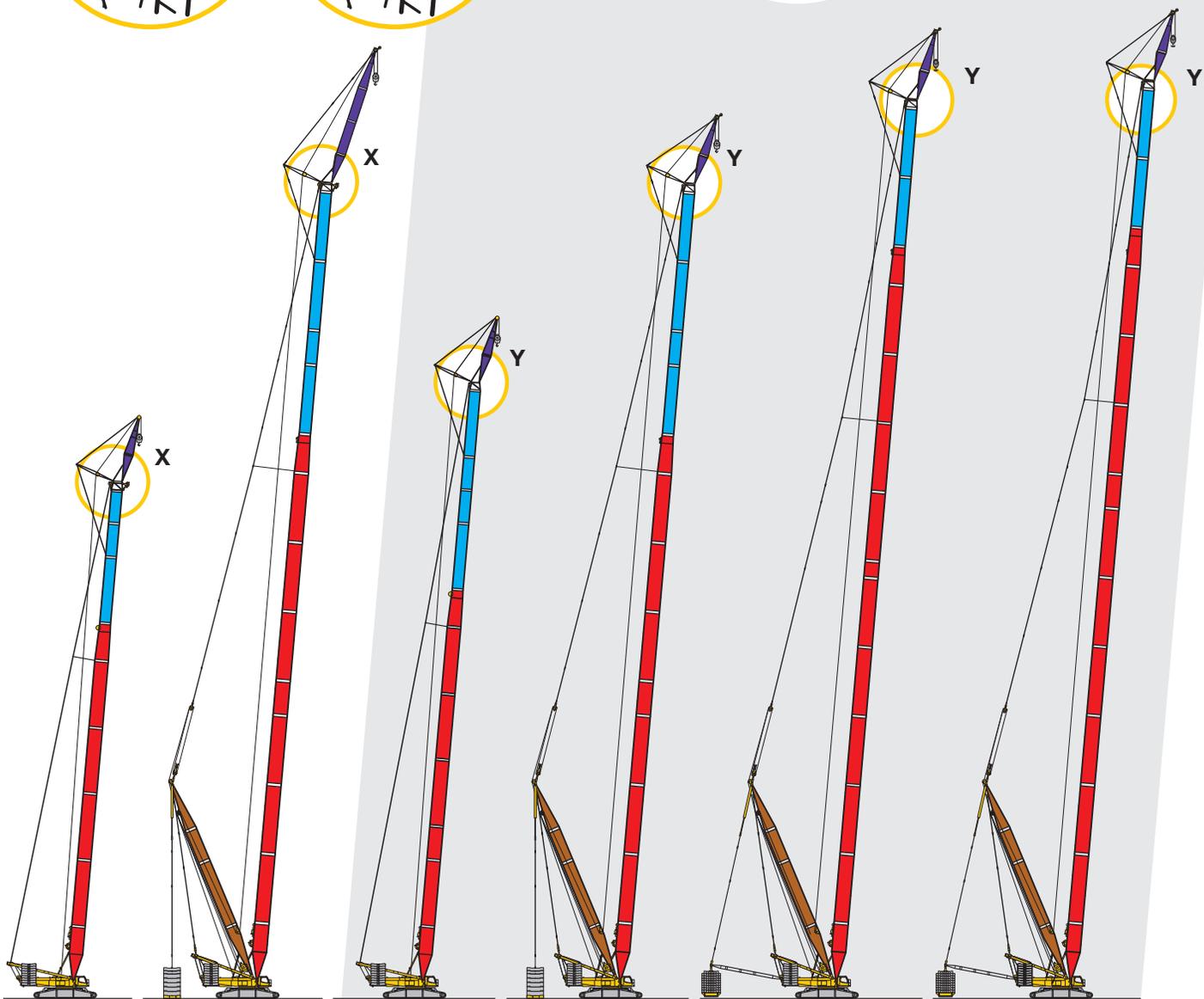
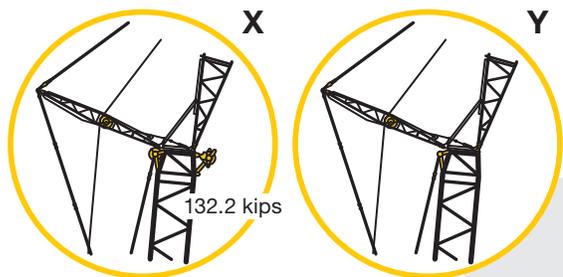


SWF
S 138 ft - 197 ft
W 157 ft - 276 ft
F 39 ft - 118 ft

US2847.01



Boom/jib combinations Configurations de flèche



SLF SL 177 ft - 295 ft F 39 ft - 118 ft	HSL2DFB/BW/B2 HSL2 236 ft - 453 ft D 118 ft F 39 ft - 118 ft	SL3F SL3 236 ft - 354 ft F 39 ft - 118 ft	HSL4DFB/BW/B2 HSL4 236 ft - 453 ft D 118 ft F 39 ft - 118 ft	SL10DFB/B2 SL10 335 ft - 502 ft D 118 ft F 39 ft	SL13DFB/B2 SL13 335 ft - 512 ft D 118 ft F 39 ft
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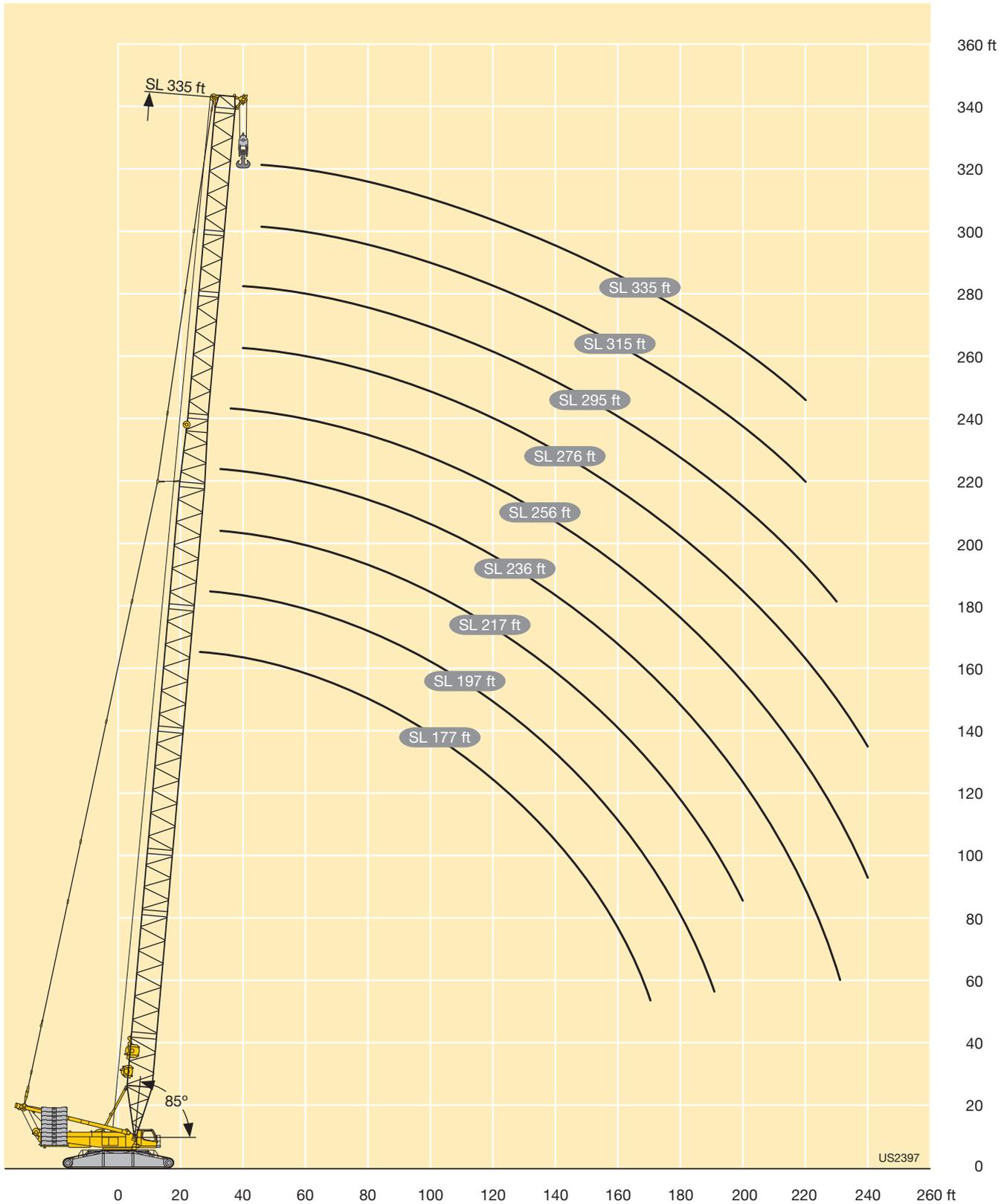
ft	SL 177	SL 197	SL 217	SL 236	SL 256	SL 276	SL 295	SL 315	SL 335	ft
26	679									26
28	679									28
30	679	657								30
32	679	656	620	572						32
34	665	643	612	567						34
36	641	622	598	559	521					36
38	605	585	563	535	509					38
40	569	549	529	510	493	456	419			40
45	492	476	459	444	431	410	379	343	314	45
50	429	419	404	391	381	367	346	320	295	50
55	374	369	359	347	339	328	315	295	273	55
60	327	325	320	311	304	294	285	273	254	60
65	290	288	285	280	274	266	257	250	237	65
70	260	258	255	253	250	242	234	227	220	70
75	235	232	230	228	227	220	213	207	202	75
80	213	211	208	206	205	201	195	189	185	80
85	194	192	189	187	187	184	178	173	169	85
90	178	176	173	171	171	168	164	160	156	90
95	165	162	159	157	157	154	151	147	143	95
100	152	150	146	144	144	142	139	136	132	100
105	141	138	135	133	133	130	128	125	122	105
110	131	129	125	123	123	121	118	116	113	110
115	123	120	117	115	114	112	109	108	104	115
120	115	112	109	106	106	103	101	99.5	96.5	120
125	107	105	101	99	98.5	96	93.5	92	89.5	125
130	101	98	94.5	92.5	92	89.5	86.5	85	83	130
135	95	92	88.5	86.5	86	83.5	80.5	79	77	135
140	89.5	86.5	83	81	80.5	77.5	74.5	73	71	140
150	79.5	76.5	73	70.5	70	67	64	62	60.5	150
160	71.5	68	64	61.5	60.5	57.6	54.4	52.4	50.9	160
170	64	60.5	56.2	53.4	52.6	49.5	46.2	44.1	42.6	170
180		53.8	49.5	46.6	45.7	42.5	39.3	37.1	35.5	180
190		47.9	43.5	40.5	39.5	36.3	33	30.8	29.2	190
200			38.2	35.1	34	30.8	27.4	25.1	23.5	200
210				30.2	29.1	25.8	22.4	20.1	18.3	210
220				26.1	24.8	21.5	18	15.6	13.8	220
230				22.5	21	17.6	14.1			230
240					17.5	14				240

TAB 181018

Lifting heights Hauteurs de levage

SL

B





ft		HSL 177 - 453														
		177	197	217	236	256	276	295	315	335	354	374	394	413	433	453
30	-	670														
	B	676														
	B2	675														
32	BW	675														
	-	654	617													
	B	677	673	659												
34	B2	677	629													
	BW	677	629													
	-	623	595													
36	B	679	673	667												
	B2	678	669	661												
	BW	679	672	662												
38	-	583	557	532	510											
	B	680	672	668	645											
	B2	679	671	663	642											
40	BW	681	673	663	642											
	-	549	525	504	484											
	B	682	674	669	647											
42	B2	681	673	665	648											
	BW	683	674	665	647											
	-	517	496	476	458	443	426									
44	B	684	676	670	647	600	572									
	B2	683	675	667	649	601	572									
	BW	685	676	667	648	601	572									
46	-	451	434	418	403	390	376	354	339	331						
	B	687	681	671	645	604	576	533	496	436						
	B2	689	681	673	653	604	576	501	483	439						
48	BW	691	682	673	653	604	576	534	491	440						
	-	399	385	371	358	348	336	324	310	304						
	B	694	685	675	650	605	572	533	497	429						
50	B2	696	687	679	659	608	579	536	498	432						
	BW	696	688	678	659	608	579	536	497	433						
	-	356	343	331	320	312	301	292	279	274	266	254	247	220		
52	B	697	690	677	647	607	573	533	493	423	349	359	307	264		
	B2	699	693	684	659	613	582	539	498	423	341	350	297	256		
	BW	698	694	684	659	613	583	538	497	424	341	350	297			
54	-	320	308	298	288	281	272	263	252	247	241	229	223	216	210	189
	B	694	694	683	642	606	579	533	487	417	341	356	305	262	221	191
	B2	699	696	689	659	617	585	542	495	413	331	346	295	254	212	184
56	BW	696	698	690	657	617	586	542	495	414	331	346	295	254	212	184
	-	289	279	270	261	255	247	239	228	225	219	208	203	197	191	184
	B	704	683	688	656	605	573	533	485	409	329	354	304	260	220	189
58	B2	705	689	693	674	622	583	545	493	401	318	343	294	253	211	183
	BW	704	688	695	674	623	583	545	492	402	318	343	294	253	211	183
	-	264	255	247	239	233	226	219	208	206	201	190	185	180	174	170
60	B	705	689	673	661	607	573	524	482	398	318	352	302	257	218	187
	B2	705	700	687	676	628	592	536	488	389	305	342	293	252	210	182
	BW	705	697	682	676	628	591	535	488	390	305	342	293	252	210	182
62	-	239	233	226	218	214	207	200	191	188	184	174	169	164	159	155
	B	704	693	663	654	610	577	519	474	388	307	351	299	255	216	184
	B2	705	705	685	666	632	598	528	479	377	291	341	293	251	210	182
64	BW	705	701	672	669	632	598	528	479	377	291	341	292	251	210	182
	-	217	214	207	200	197	190	184	175	173	169	159	155	150	146	142
	B	694	688	655	637	605	577	513	463	377	296	349	297	252	213	182
66	B2	702	705	684	653	628	600	521	466	365	278	340	292	251	210	181
	BW	699	698	665	655	630	600	522	466	365	278	340	292	251	210	181
	-	198	196	191	185	181	175	169	161	159	155	146	142	138	134	130
68	B	665	679	642	620	591	572	508	453	365	285	346	295	250	210	180
	B2	689	703	678	648	607	599	512	452	353	266	339	291	250	209	180
	BW	675	688	651	635	612	596	513	453	353	266	340	291	250	209	180
70	-	182	180	177	171	168	162	157	148	147	143	134	131	127	123	120
	B	636	646	627	602	576	557	498	442	354	275	343	291	246	208	178
	B2	668	674	668	635	602	585	502	439	341	254	339	291	249	209	179
72	BW	645	655	636	615	593	579	501	440	341	254	340	291	249	209	179
	-	167	165	164	158	156	150	145	137	136	133	124	121	117	113	110
	B	607	612	604	584	560	541	485	432	342	265	339	288	243	206	177
74	B2	645	643	645	621	593	571	491	427	330	241	339	290	247	208	178
	BW	616	621	612	595	575	560	488	427	330	242	340	290	248	208	178
	-	154	152	151	147	144	139	134	126	126	123	114	111	107	104	101
76	B	580	579	575	564	545	526	475	423	332	254	336	285	242	204	175
	B2	620	612	615	603	579	557	483	418	320	229	339	289	246	206	177
	BW	588	587	584	573	557	542	478	417	320	230	340	289	246	206	177
78	-	143	141	139	136	134	129	125	117	116	113	105	102	98.7	95.2	92.9
	B	553	545	547	540	530	510	475	415	325	244	333	283	240	202	172
	B2	592	581	585	578	566	543	480	412	314	218	339	289	244	204	174
80	BW	561	552	555	549	539	523	478	412	313	218	340	289	244	204	174
	-	133	131	129	127	125	120	116	108	108	105	96.9	94.3	91	87.6	85.4
	B	527	520	519	516	509	495	467	407	319	239	327	282	238	200	170
82	B2	564	556	555	552	545	528	473	404	309	214	338	288	242	202	172

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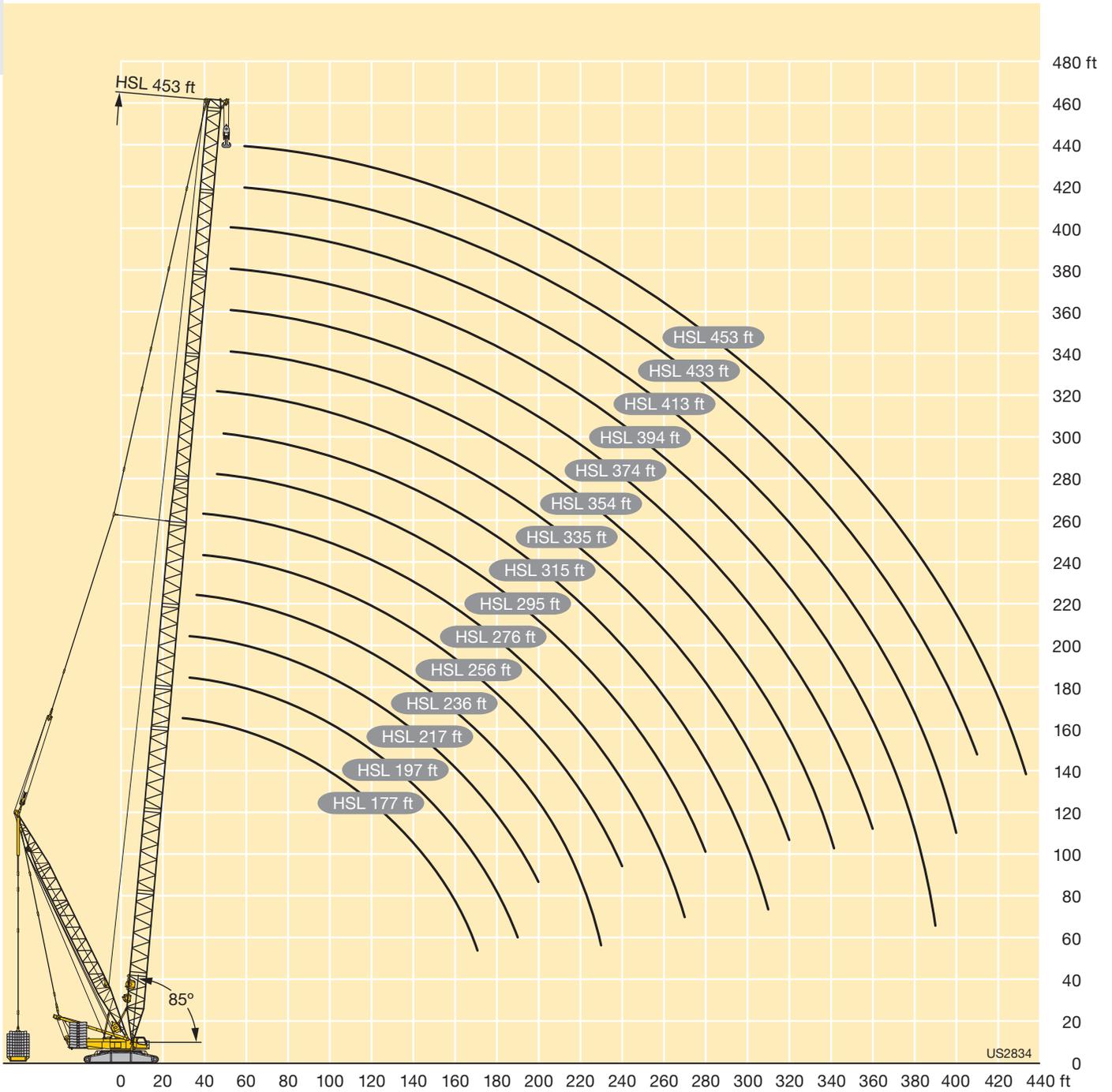
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	B	501	498	492	489	489	478	458	399	314	234	320	278	236	197	168
	B2	536	533	526	527	523	512	465	396	304	211	333	285	240	200	169
120	BW	508	505	499	499	497	486	461	397	304	212	331	286	240	200	169
	-	116	113	111	109	109	104	100	93.1	92.8	90.4	82.4	80	77	73.9	72
	B	477	476	470	468	468	460	448	391	308	229	315	272	233	195	165
125	B2	510	510	502	501	501	493	456	388	299	208	329	282	237	198	167
	BW	483	483	476	475	476	468	451	389	299	209	327	283	237	198	167
	-	108	105	103	101	101	97.2	93.4	86.2	86.1	83.8	75.9	73.6	70.7	67.8	65.9
130	B	456	454	451	444	447	442	434	382	302	223	313	266	229	193	163
	B2	489	487	483	476	479	474	443	380	293	205	329	279	234	195	164
	BW	462	461	458	451	455	450	437	381	294	206	329	279	234	196	164
135	-	101	98.3	96.2	93.9	94.2	90.8	87.1	80	80	77.7	69.9	67.8	65	62.1	60.3
	B	438	432	433	427	426	424	419	372	296	218	308	266	225	189	160
	B2	470	464	464	458	457	455	426	370	288	201	325	275	230	192	162
140	BW	444	439	439	433	433	431	422	371	289	202	326	275	230	192	162
	-	95.2	92.3	90.2	87.4	87.6	84.6	81.4	74.4	74.4	72.2	64.5	62.5	59.8	57	55.3
	B	421	415	414	411	409	406	403	359	288	212	303	263	221	185	157
145	B2	451	446	444	441	439	436	410	359	281	198	322	270	226	189	159
	BW	426	422	420	417	416	413	406	358	281	199	322	271	226	189	159
	-	89.6	86.6	84.4	81	81.2	78.4	75.9	69	69.1	66.9	59.3	57.3	54.7	52	50.4
150	B	403	400	396	395	393	388	387	346	280	207	298	259	218	182	154
	B2	432	429	425	424	422	416	394	346	273	194	318	266	222	185	156
	BW	408	406	402	401	400	395	390	345	274	195	319	267	222	185	156
155	-	78.7	75.5	73.2	69.8	70.1	67.6	65.8	59.1	59.3	57.3	49.8	47.9	45.5	42.9	41.4
	B	364	370	366	364	364	359	357	319	262	193	286	250	210	175	147
	B2	391	397	393	391	391	385	363	322	256	183	310	258	214	178	149
160	BW	374	375	371	369	370	365	360	321	257	183	309	259	215	179	150
	-	68.8	65.4	63	60.6	60.8	58.5	56.8	50.4	50.7	48.7	41.3	39.6	37.2	34.7	33.4
	B	322	340	341	335	337	334	329	294	243	177	274	240	202	172	145
165	B2	348	366	366	360	363	360	335	298	238	168	301	250	207	172	143
	BW	340	347	346	340	343	340	333	297	239	169	297	251	207	172	144
	-	61.4	58	55.7	53.2	53.3	50.9	49.2	42.7	43	41.1	33.8	32.1	29.9	27.5	26.2
170	B	282	310	316	314	311	311	308	271	224	162	264	226	193	169	141
	B2	303	334	340	338	334	335	313	277	220	154	291	244	200	165	137
	BW	303	322	321	319	316	316	312	275	221	154	284	244	199	165	137
175	-	52	49.5	46.8	47	44.5	42.5	36	36.3	34.5	27.3	25.6	23.5	21.1	19.9	
	B	279	292	293	292	288	286	253	209	146	253	218	185	159	135	
	B2	303	314	316	315	311	291	258	206	139	281	237	193	159	131	
180	BW	299	300	298	297	293	291	257	206	140	270	237	194	160	132	
	-	46.8	43.9	40.3	40.4	37.9	36	29.9	30.2	28.4	21.3	19.7	17.6	15.3		
	B	236	268	273	274	267	265	236	195	134	242	213	179	150	129	
185	B2	260	289	294	296	289	270	240	193	128	270	230	187	154	127	
	BW	260	281	278	279	274	271	239	193	130	256	231	188	155	127	
	-	38.7	34.4	34.4	31.9	30.2	24.4	24.7	22.9							
190	B	241	253	256	249	245	218	182	124	230	207	173	146	123		
	B2	262	273	277	270	250	222	180	120	258	223	181	149	123		
	BW	261	260	261	257	251	222	181	121	243	223	182	150	123		
195	-	30.2	30.1	27.5	25.7	19.3	19.6	17.9								
	B	233	237	231	226	201	169	114	219	200	168	141	117			
	B2	253	257	250	233	205	168	111	244	216	175	144	119			
200	BW	245	243	240	233	204	168	112	229	215	176	145	119			
	-	26.2	26.3	23.3	21.3	15	15.2	13.4								
	B	210	217	213	208	186	156	104	207	192	161	136	113			
205	B2	230	236	231	216	193	156	103	230	209	170	139	114			
	BW	227	227	223	215	190	156	103	215	205	171	140	114			
	-	22.6	22.5	19.2	17.1											
210	B	173	197	195	189	171	144	95.3	195	184	157	130	108			
	B2	194	214	211	198	180	145	94.7	216	201	166	135	110			
	BW	193	211	207	197	176	145	95	202	195	167	136	110			
215	-	19	15.5													
	B	175	177	172	157	133	87	184	176	154	126	105				
	B2	192	192	182	168	134	87	203	194	162	132	107				
220	BW	192	190	180	162	134	87.2	189	185	162	132	107				
	-	159	156	144	121	79.6	173	168	150	123	101					
	B	173	165	155	123	79.9	191	186	157	128	104					
225	B2	173	164	148	123	80	177	175	158	128	104					
	-	140	141	133	111	72.3	164	159	147	119	97.9					
	B	152	150	142	112	72.8	181	178	153	125	101					
230	B2	152	149	136	112	72.8	168	166	154	125	101					
	-	117	128	122	101	65.1	155	152	143	116	95.1					
	B	124	134	129	102	65.7	172	170	148	121	98.1					
235	B2	124	134	126	103	65.8	159	157	149	121	98.2					
	-	114	111	92.1	58.2	146	144	137	113	92.4						
	B	118	117	93.4	58.6	162	161	144	118	95.2						
240	B2	119	115	93.8	58.8	149	148	143	117	95.3						



ft		HSL 177 - 453														
		177	197	217	236	256	276	295	315	335	354	374	394	413	433	453
290	-															
	B								102	83.6	51.2	137	136	130	110	89.7
	B2								104	84.9	51.4	153	152	139	115	92.3
300	-															
	B								90.6	75.3	44.6	129	128	123	107	86.6
	B2								91.7	76.4	44.2	144	144	134	113	90
310	-															
	B								73.5	67	38.1	121	120	117	104	85.8
	B2								74.1	67.4	37.1	137	135	129	111	88.1
320	-															
	B									59.1	31.6	114	113	110	100	84.9
	B2									57.2	30	129	128	125	109	86.4
330	-															
	B										25.3	107	107	103	97.2	83.6
	B2										23.1	121	121	119	107	84.6
340	-															
	B											19	100	101	97.8	93.9
	B2											16.8	114	114	113	105
350	-															
	B											89.8	94.3	92	89	80.9
	B2											104	107	107	101	81.1
360	-															
	B												65.2	87.2	86.3	83.8
	B2												87.6	99.9	101	96.9
370	-															
	B													79	80.5	78.4
	B2													91.7	94.5	92.4
380	-															
	B														73	70.9
	B2														88	76.2
390	-															
	B															66.9
	B2															74.6
400	-															
	B															62.9
	B2															73
410	-															
	B															55.2
	B2															67.7
420	-															
	B															54.4
	B2															66.4
430	-															
	B															49.7
	B2															59.6

C

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ft		HSL2 236 - 453											
		236	256	276	295	315	335	354	374	394	413	433	453
36	-	510											
	B	645											
	B2	490											
38	BW	642											
	-	484											
	B	647											
40	B2	648											
	BW	648	439	422									
	-	458	626	599									
45	B	649	626	599									
	B2	648	627	598									
	BW	648	627	598									
50	-	403	387	372	348	334	323						
	B	645	629	601	564	523	489						
	B2	653	630	603	552	479	482						
55	BW	653	631	602	553	524	482						
	-	358	344	332	318	306	296						
	B	650	629	596	561	524	489						
60	B2	659	635	605	548	527	480						
	BW	659	636	606	548	527	480						
	-	320	308	297	285	274	265	257	250	242	216		
65	B	647	631	598	556	522	485	441	386	337	294		
	B2	659	640	608	543	527	477	446	390	340			
	BW	659	641	610	542	527	477	446	390	340			
70	-	288	277	268	257	247	239	231	225	218	212	206	201
	B	642	630	603	551	515	480	438	384	336	293	254	220
	B2	659	645	611	536	525	474	444	389	339	296	245	209
75	BW	657	644	613	536	525	474	444	389	339	296	245	209
	-	261	251	243	233	224	217	209	204	198	193	187	183
	B	656	620	595	549	511	476	434	381	334	292	253	219
80	B2	674	650	606	530	522	470	442	388	338	295	243	207
	BW	674	651	610	530	522	471	442	388	338	295	243	207
	-	239	229	222	212	202	197	191	186	180	176	171	167
85	B	661	630	600	532	505	472	432	380	332	291	252	218
	B2	676	655	618	521	515	467	440	387	336	294	242	205
	BW	676	656	619	519	517	468	441	387	336	294	242	205
90	-	218	210	203	194	186	180	174	170	164	160	156	152
	B	654	635	603	509	493	464	429	378	331	289	250	216
	B2	666	658	626	514	511	461	438	386	335	293	239	204
95	BW	669	660	626	512	513	461	439	386	335	293	239	204
	-	200	192	186	177	170	165	159	155	150	146	142	139
	B	637	631	603	496	482	450	424	376	329	288	249	214
100	B2	653	655	629	507	508	455	436	385	334	292	237	203
	BW	655	656	629	508	509	455	436	385	334	292	237	203
	-	185	177	171	163	156	151	145	142	137	134	130	127
105	B	620	610	599	489	479	442	415	370	326	287	247	212
	B2	648	637	626	500	504	454	434	382	332	291	235	202
	BW	635	632	625	501	504	455	432	382	332	291	235	201
110	-	171	164	158	150	143	139	133	130	126	123	119	116
	B	602	589	579	477	473	438	410	367	324	284	246	210
	B2	635	619	608	488	500	450	431	381	331	290	233	200
115	BW	615	608	602	491	501	451	431	381	331	290	233	200
	-	158	151	146	138	132	127	123	120	115	113	109	107
	B	584	569	558	460	463	433	406	363	322	282	244	208
120	B2	621	601	588	480	491	446	429	380	329	289	232	199
	BW	595	584	577	479	493	446	429	380	329	289	232	199
	-	147	140	135	128	121	117	112	110	106	103	100	97.6
125	B	564	548	537	444	450	425	402	359	320	280	241	206
	B2	603	583	568	474	479	440	426	378	328	287	230	199
	BW	573	560	553	469	483	440	426	379	328	287	230	198
130	-	136	130	125	118	112	108	103	101	97.1	94.5	91.6	89.3
	B	540	527	516	433	435	409	397	355	318	277	240	204
	B2	578	565	549	465	465	431	422	376	326	286	229	198
135	BW	549	536	528	466	472	428	422	377	327	286	229	198
	-	127	121	116	109	103	99.5	95.1	92.7	89.1	86.7	83.9	81.8
	B	516	506	495	425	432	397	385	350	316	276	239	203
140	B2	552	543	529	456	468	428	411	373	325	284	228	198
	BW	524	515	504	457	460	425	414	373	325	284	229	198
	-	118	113	108	101	95.5	91.7	87.4	85.2	81.8	79.5	76.8	74.8
145	B	492	486	476	418	428	393	377	343	313	273	238	201
	B2	527	521	509	448	463	423	407	367	321	283	227	197
	BW	499	493	483	448	448	419	406	365	321	283	228	197
150	-	109	105	99.9	93.9	88.1	84.5	80.3	78.2	74.9	72.7	70.2	68.3
	B	468	465	457	410	422	388	371	338	308	269	237	200
	B2	501	498	490	438	455	417	404	363	318	281	226	197
155	BW	475	472	463	438	437	412	398	360	317	281	227	197
	-	101	97.6	92.8	86.9	81.3	77.8	73.7	71.7	68.5	66.4	64	62.2
	B	444	444	439	400	415	382	364	332	303	264	234	199
160	B2	476	476	471	428	447	410	398	363	318	277	225	196
	BW	451	451	445	425	425	404	390	360	315	276	225	196

D

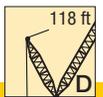
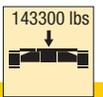
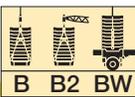
HSL2DB/B2/BW

HSL2 236 - 453



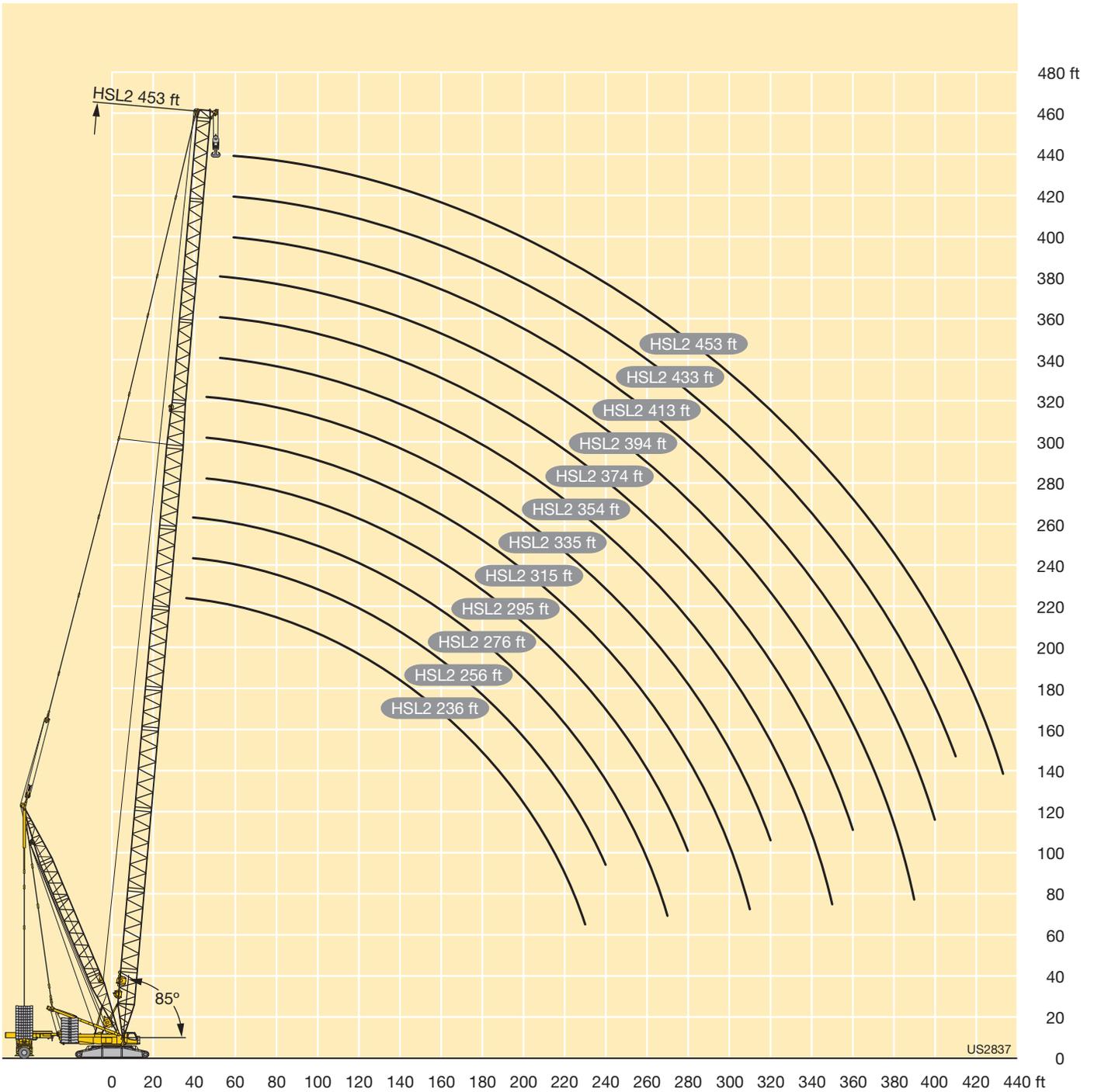
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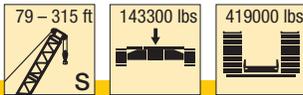
ft		HSL2 236 - 453											
		236	256	276	295	315	335	354	374	394	413	433	453
130	-	93.9	90.8	86.4	80.6	75.1	71.6	67.6	65.7	62.6	60.6	58.3	56.6
	B	427	423	421	389	404	377	357	326	298	259	227	197
	B2	458	454	451	417	435	404	392	359	319	275	222	195
135	-	87.4	84.2	80.4	75	69.5	66.1	62.1	60.3	57.3	55.4	53.2	51.5
	B	411	406	403	378	391	368	350	320	293	256	224	194
	B2	441	436	432	406	420	395	385	356	318	271	222	194
140	-	81	77.7	74.6	69.5	64.1	60.7	56.8	55.1	52.2	50.3	48.2	46.6
	B	395	390	385	367	377	359	343	314	288	254	223	192
	B2	424	419	413	394	405	385	378	352	317	268	223	192
150	-	69.8	66.6	64.2	59.5	54.2	51	47.2	45.6	42.8	41.1	39.1	37.6
	B	364	361	355	346	348	338	326	302	278	247	219	187
	B2	391	388	381	372	375	363	359	341	315	262	223	189
160	-	60.6	57.5	55.2	50.7	45.5	42.4	38.7	37.1	34.4	32.8	30.9	29.5
	B	335	334	331	324	321	315	307	289	268	240	214	182
	B2	360	359	355	350	346	340	337	325	309	256	222	186
170	-	53.2	50	47.7	43	37.8	34.7	31	29.6	27	25.4	23.6	22.3
	B	314	307	307	304	297	292	288	275	256	230	210	178
	B2	338	331	330	328	321	316	314	307	294	250	220	183
180	-	46.8	43.7	39.8	36.3	31.1	28	24.4	23	20.5	19	17.3	16
	B	293	289	284	283	278	274	269	260	244	222	200	173
	B2	316	311	306	306	301	297	292	288	280	245	216	178
190	-	40.3	37.2	33.7	30.2	25	22	18.4	17	15	14	13	12
	B	273	270	266	263	260	257	252	246	233	214	193	166
	B2	294	292	285	285	282	279	274	270	265	239	212	175
200	-	34.4	31.3	28.7	24.7	19.5							
	B	253	252	250	245	242	241	237	233	221	206	187	163
	B2	273	273	267	266	263	261	258	254	251	234	208	172
210	-	30.2	26.9	24	19.7								
	B	233	233	235	232	225	224	222	219	210	198	181	159
	B2	253	253	248	251	245	244	242	240	237	229	204	168
220	-	26.2	22.5	19.4	15.4								
	B	210	213	218	218	213	210	207	206	199	189	175	154
	B2	230	233	229	236	232	228	227	225	224	219	199	164
230	-	22.6	18.5	15.3									
	B	173	193	197	204	200	197	194	192	188	180	168	149
	B2	194	212	210	222	219	216	212	211	211	208	192	160
240	-	15											
	B	169	174	191	188	186	181	180	177	171	161	144	
	B2	190	191	208	206	204	200	198	198	196	184	156	
250	-			154	179	176	175	171	168	166	162	154	139
	B			171	195	193	193	189	186	185	185	176	153
	B2			170	186	180	179	175	171	171	171	170	149
260	-			138	167	166	164	161	159	156	153	146	134
	B			149	182	182	181	179	176	175	173	167	150
	B2			148	176	170	168	165	162	161	160	159	144
270	-			112	154	156	154	151	150	148	145	139	129
	B			121	169	171	171	168	167	165	163	159	146
	B2			121	165	161	158	155	153	152	150	149	139
280	-				138	146	145	142	141	139	137	132	124
	B				153	160	161	158	157	157	154	151	143
	B2				152	152	150	145	144	143	141	139	133
290	-					136	137	133	132	131	130	125	119
	B					149	151	149	147	148	146	144	140
	B2					143	142	137	135	135	134	131	128
300	-					120	129	126	124	123	122	119	113
	B					136	141	141	139	139	138	136	134
	B2					134	134	130	127	126	126	124	122
310	-					83.6	118	119	117	115	115	113	108
	B					104	130	132	131	131	130	129	128
	B2					103	125	123	120	119	118	117	116

 236 - 453 ft	 118 ft	 143300 lbs	 331000 lbs	 B B2 BW	550000 - 771000 lbs 331000 - 550000 lbs 0 - 331000 lbs 0 lbs
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ft		HSL2 236 - 453											
		236	256	276	295	315	335	354	374	394	413	433	453
320	-												
	B						102	111	111	109	107	106	103
	B2 BW						117 114	123 116	124 114	123 112	122 111	122 111	121 110
330	-												
	B							102	104	103	100	100	97.1
	B2 BW							114 109	117 107	116 106	115 104	114 104	114 103
340	-												
	B							90.5	97.1	96.9	94.8	93.6	91.7
	B2 BW							103 102	109 101	110 101	109 98.2	107 96.7	107 97.1
350	-												
	B							58.6	88	91.2	89.3	88.1	86.3
	B2 BW							78.5 78	99.9 95.1	103 95.2	103 92.8	101 91.3	101 90.9
360	-												
	B								62.1	83.6	83.8	82.7	81.2
	B2 BW								84.6 83.2	95.7 89.6	97.2 87.4	95.7 86.2	94.8 85.3
370	-												
	B									74	78.1	77.4	76.4
	B2 BW									87.7 84.2	91.2 82.1	90.3 81.2	89.5 80.3
380	-												
	B									62.2	72	72	71.6
	B2 BW									78.6 78.5	84.7 76.9	84.8 76.1	84.5 75.6
390	-												
	B									33.5	64.4	66.7	66.9
	B2 BW									76.1 40.7	79.3 72.1	71	79.6 70.9
400	-												
	B										43.6	54.6	62.2
	B2 BW										62 60.7	73.1 66.7	74.6 66.2
410	-												
	B											44.2	54.7
	B2 BW											64.9 61.4	69.3 61.8
420	-												
	B												41.4
	B2 BW												63.5 57.8
430	-												
	B												34.8
	B2 BW												56.9 54.5

D

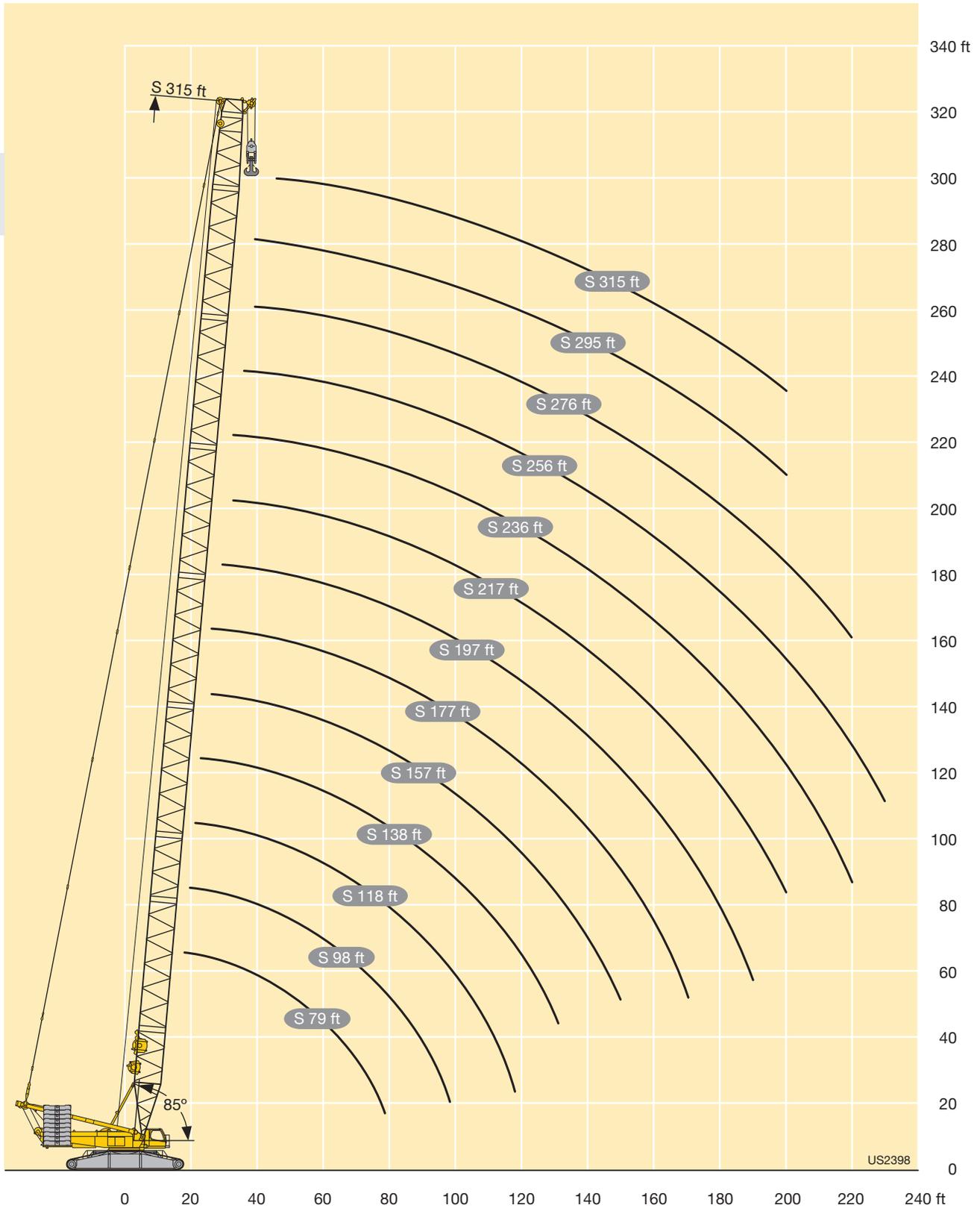




ft	S 79	S 98	S 118	S 138	S 157	S 177	S 197	S 217	S 236	S 256	S 276	S 295	S 315	ft
18	1323													18
19	1286													19
20	1243	1235												20
21	1194	1183	1150											21
22	1147	1134	1121											22
23	1100	1086	1078	1058										23
24	1059	1047	1039	1021										24
26	977	971	960	947	926	902								26
28	904	902	892	883	870	853								28
30	837	837	827	822	809	798	773							30
32	784	780	770	766	759	742	715	663	637					32
34	734	727	720	714	711	690	663	637	612					34
36	687	676	677	664	665	640	616	593	570	543				36
38	642	641	633	629	621	599	578	556	536	516				38
40	601	606	593	595	581	562	542	523	504	489	454	417		40
45	508	509	505	505	501	485	469	453	437	425	408	376	339	45
50	434	434	432	431	430	423	411	398	384	375	362	344	317	50
55	375	374	373	371	370	369	362	352	340	332	322	311	292	55
60	328	328	326	324	323	321	320	313	304	297	287	277	269	60
65	292	291	289	287	286	284	282	280	273	267	259	249	243	65
70	262	262	259	258	256	254	252	250	247	242	234	226	220	70
75	237	237	234	233	230	229	227	224	222	220	213	205	200	75
80		215	213	211	209	207	205	202	200	200	194	186	182	80
85		197	194	192	190	188	186	184	181	181	178	170	166	85
90		182	179	177	175	172	170	168	165	165	163	156	152	90
95		168	165	163	161	159	156	154	151	151	149	143	139	95
100			153	151	148	146	144	141	139	138	136	131	128	100
105			142	140	137	135	133	130	127	127	125	121	117	105
110			133	130	128	125	123	120	117	117	115	111	108	110
115			124	122	119	117	114	111	109	108	106	103	99.5	115
120				114	111	109	106	103	100	100	97.5	94.5	91.5	120
125				107	104	101	99	96	93	92.5	90	86.5	84	125
130				101	97.5	95	92.5	89	86.5	86	83	79.5	77.5	130
135					91.5	89	86.5	83.5	80	79.5	77	73	71	135
140					86.5	84	81	77.5	74.5	73.5	70.5	67	65	140
150					77	74	71	67.5	63.5	63	59.7	55.9	54.3	150
160						65.5	62	58	54.3	53.5	50.2	46.3	44.7	160
170						58.2	54.1	50.1	46.2	45.4	42	38	36.3	170
180							47.6	43.3	39.4	38.4	35	31	29.2	180
190							41.9	37.4	33.3	32.2	28.7	24.7	22.9	190
200								32.1	27.9	26.7	23.1	19.1	17.2	200
210									23.1	21.8	18			210
220									19	17.5	13.7			220
230										13.7				230

E

E





ft		HS 138 - 472																	
		138	157	177	197	217	236	256	276	295	315	335	354	374	394	413	433	453	472
26	-	933																	
	B	1323																	
	B2 BW	1323 1323																	
28	-	864																	
	B	1323																	
	B2 BW	1323 1323																	
30	-	790	743	702															
	B	1323	1323	1312															
	B2 BW	1323 1323	1323 1323	1321 1319															
32	-	730	688	651	602														
	B	1323	1323	1285	1185	1072													
	B2 BW	1323 1323	1323 1323	1315 1301	1223 1212	1109 1108													
34	-	677	640	607	579														
	B	1323	1314	1259	1173	1066													
	B2 BW	1323 1323	1322 1319	1302 1281	1214 1200	1104 1101													
36	-	629	595	566	542	517	497												
	B	1323	1299	1232	1154	1056	933												
	B2 BW	1323 1323	1321 1312	1284 1260	1197 1181	1096 1090	965 962												
38	-	589	559	532	510	489	470												
	B	1306	1268	1206	1134	1045	932												
	B2 BW	1323 1322	1304 1288	1259 1234	1180 1162	1087 1077	966 964												
40	-	553	525	500	480	461	445	427	411										
	B	1284	1237	1181	1114	1033	928	813	725										
	B2 BW	1315 1311	1285 1261	1234 1209	1161 1142	1077 1064	965 963	843 843	738 737										
45	-	478	455	435	418	403	389	375	362	338	327	315							
	B	1199	1165	1119	1064	996	906	812	717	643	574	510							
	B2 BW	1256 1225	1223 1192	1173 1147	1113 1092	1043 1026	946 949	842 842	737 738	658 659	581 581	456 514							
50	-	419	400	382	369	356	344	332	321	309	299	288							
	B	1120	1096	1062	1016	958	887	795	703	637	572	508							
	B2 BW	1183 1143	1158 1122	1108 1088	1067 1041	1008 988	931 925	832 829	726 732	655 655	580 581	513 514							
55	-	370	354	339	327	316	307	296	287	275	267	257	250	241	231	205			
	B	1044	1027	1005	969	920	864	780	691	631	563	503	446	387	345	300			
	B2 BW	1107 1062	1090 1051	1063 1029	1023 990	971 946	910 897	820 813	718 725	654 653	579 578	513 513	450 450	394 394	349 349	303 303			
60	-	327	316	303	292	282	275	266	257	247	239	231	224	217	208	201	193	188	180
	B	971	959	947	922	882	835	764	683	628	557	497	443	386	344	300	264	231	203
	B2 BW	1031 984	1019 979	1005 968	978 939	934 903	883 864	807 795	716 716	654 655	577 575	512 512	449 449	393 393	348 348	303 303	265 265	231 231	202 202
65	-	289	285	272	263	255	248	240	232	223	216	209	202	195	187	182	174	169	162
	B	904	891	887	873	844	805	740	668	623	556	495	435	385	341	299	262	231	202
	B2 BW	963 915	949 906	942 904	929 887	897 860	854 828	785 771	704 701	653 654	577 578	511 511	445 445	393 393	347 347	302 302	264 264	231 231	201 201
70	-	259	255	247	239	231	225	218	211	202	196	189	183	177	170	164	158	153	146
	B	843	831	826	821	802	774	716	649	608	550	491	431	384	340	297	260	229	201
	B2 BW	898 853	887 844	879 839	874 833	854 815	825 791	763 746	694 689	642 639	574 575	510 510	441 442	392 392	346 347	301 302	262 263	230 230	199 200
75	-	233	229	225	217	210	205	198	192	184	178	172	167	161	154	149	143	139	132
	B	784	778	770	768	758	739	692	638	598	539	485	428	382	339	296	259	228	200
	B2 BW	837 794	830 789	820 779	818 779	808 769	790 753	741 721	683 675	635 629	569 567	506 505	438 439	391 392	346 346	301 301	261 262	229 229	198 199
80	-	211	207	204	198	192	187	181	175	167	162	156	151	146	139	135	129	125	119
	B	730	729	720	716	712	702	666	625	589	531	475	423	379	337	295	258	227	199
	B2 BW	781 740	778 739	767 728	763 726	760 723	750 714	715 694	670 659	630 622	565 557	501 500	435 435	390 390	345 345	300 300	260 261	228 228	198 198
85	-	192	188	185	182	175	171	165	160	153	148	142	138	133	127	123	117	113	107
	B	689	679	679	668	667	663	637	609	577	522	469	417	374	335	294	257	227	198
	B2 BW	737 699	726 689	724 686	712 677	713 674	709 674	683 661	654 640	622 610	564 557	504 504	431 430	386 386	344 345	299 300	260 260	228 228	197 197
90	-	176	172	169	167	161	157	152	147	140	136	130	126	121	115	111	106	103	96.6
	B	649	641	638	633	624	625	607	586	561	514	462	412	370	331	291	255	225	197
	B2 BW	694 657	685 650	681 645	676 642	668 632	668 635	652 627	629 612	606 591	560 550	501 503	427 427	387 388	343 341	298 299	259 259	227 227	196 196
95	-	162	158	155	153	148	145	139	135	128	124	119	115	111	105	101	95.8	93.1	87
	B	609	607	600	600	590	587	578	562	542	502	454	407	366	327	289	253	224	196
	B2 BW	651 619	649 616	640 606	640 607	632 598	628 596	620 594	603 584	586 569	549 537	499 500	423 424	388 388	342 341	298 298	258 258	226 227	195 195
100	-	149	145	142	141	137	133	128	124	117	114	109	105	101	95.2	91.8	86.6	84	78.1
	B	571	574	566	566	562	553	548	538	521	488	446	402	363	325	287	252	222	195
	B2 BW	610 584	615 583	605 572	604 573	601 569	592 561	588 561	588 561	577 556	563 544	534 520	493 494	419 420	387 388	342 342	297 297	257 257	226 226
105	-	138	134	131	129	126	123	118	114	108	104	99.2	95.7	91.8	86.3	83.1	78.1	75.7	69.9
	B	535	542	540	532	533	529	519	513	501	473	436	397	359	322	284	251	221	193
	B2 BW	572 555	580 551	577 546	569 539	571 540	566 536	557 528	552 527	540 520	516 501	481 479	414 416	386 387	341 342	296 296	256 256	225 225	194 194

F



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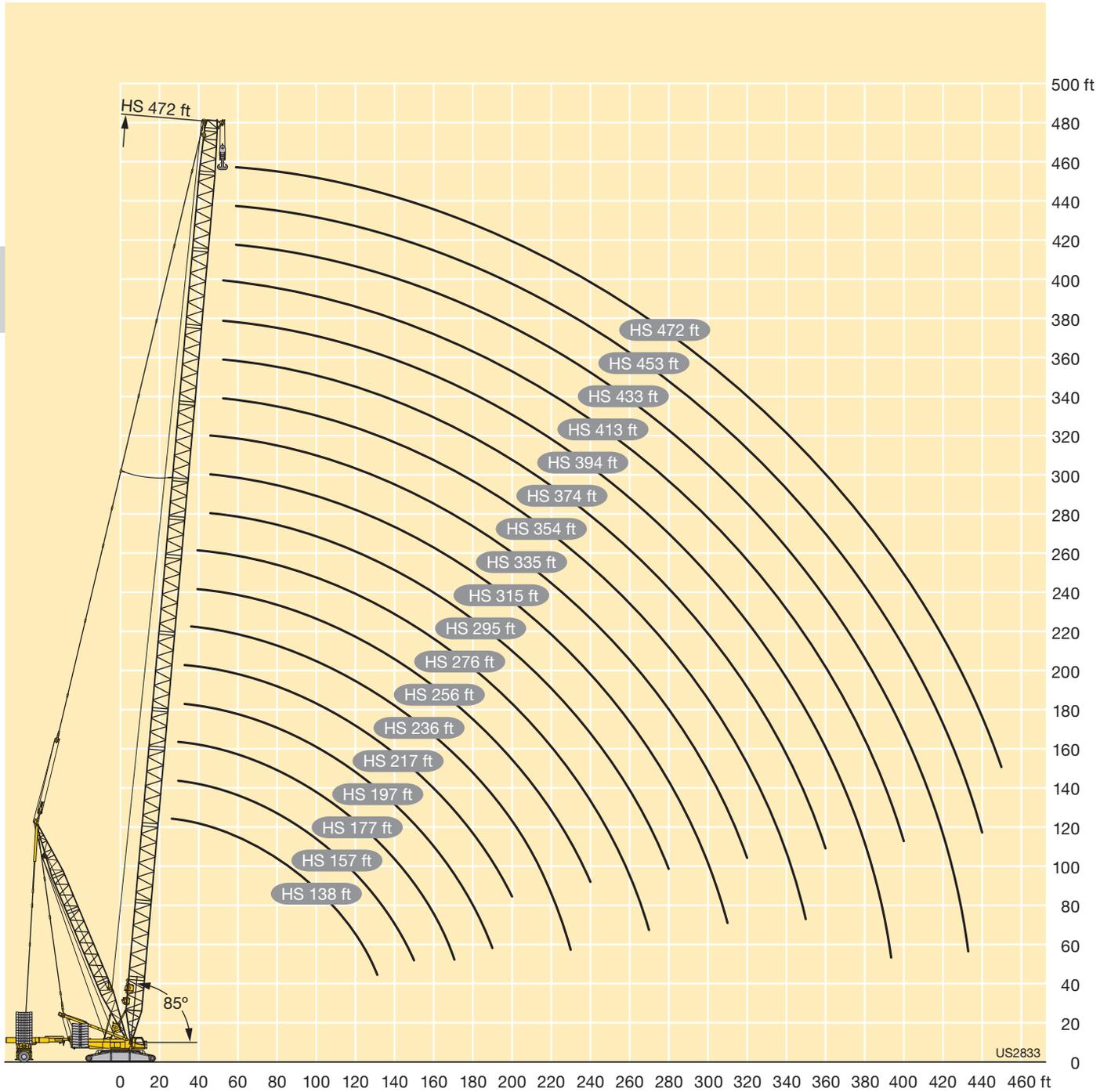
ft		HS 138 - 472																	
		138	157	177	197	217	236	256	276	295	315	335	354	374	394	413	433	453	472
110	-	129	124	121	119	117	114	109	105	99	95.4	90.8	87.5	83.7	78.4	75.3	70.4	68.2	62.6
	B	499	514	513	508	505	504	497	489	480	458	425	386	354	320	282	250	219	192
	B2 BW	533 525	550 524	549 520	543 514	541 511	541 512	533 505	526 499	517 495	498 482	467 463	404 408	382 383	340 341	295 295	255 255	224 225	193 193
115	-	120	115	112	110	107	105	101	97	90.9	87.5	82.9	79.8	76.2	71	68.1	63.3	61.2	55.7
	B	464	489	487	485	479	480	476	468	460	443	415	378	347	316	280	248	218	191
	B2 BW	496 493	523 500	521 493	519 491	513 485	515 487	511 483	503 476	495 471	481 462	454 447	400 400	375 377	337 337	294 294	254 254	224 224	192 192
120	-	112	107	103	101	98.8	97.2	92.9	89.4	83.4	80.1	75.7	72.6	69.2	64.2	61.3	56.6	54.6	49.2
	B	428	465	463	463	456	456	455	449	440	428	404	372	341	311	276	247	217	190
	B2 BW	459 459	497 477	496 469	496 469	489 462	489 462	489 462	483 456	473 448	463 443	441 430	396 392	369 371	333 332	291 291	253 254	223 223	191 192
125	-	105	99.9	95.6	93.2	91.1	89.9	85.8	82.4	76.5	73.3	68.9	66	62.6	57.7	55	50.4	48.5	43.2
	B	396	441	442	441	438	432	434	431	423	413	393	364	335	306	269	246	215	189
	B2 BW	424 424	471 455	474 449	473 447	469 443	466 438	466 440	463 438	454 429	445 423	427 414	389 384	368 364	328 325	286 285	252 253	222 222	191 191
130	-	98.6	93.4	89.1	86.6	84.4	83.3	79.3	76	70.1	67	62.8	59.9	56.7	51.9	49.2	44.7	42.9	37.7
	B	374	416	425	419	420	415	413	413	406	399	383	355	328	300	266	240	212	188
	B2 BW	389 389	445 432	455 431	450 425	450 425	444 420	444 419	444 419	437 413	429 407	414 398	383 376	363 357	330 327	285 285	249 247	221 221	190 190
135	-	87.4	82.8	80.1	77.8	76.8	73.4	70.2	64.4	61.4	57.2	54.4	51.2	46.5	43.9	39.5	37.8	32.6	
	B	389	408	402	402	399	396	395	390	384	371	347	321	295	263	237	210	186	
	B2 BW	418 409	436 413	432 408	430 407	429 404	426 401	425 401	425 396	420 392	413 384	401 376	376 367	358 350	328 324	282 283	248 247	219 219	189 190
140	-	81.5	76.6	73.7	71.2	70.2	67.8	64.7	58.9	56	51.8	49.1	46	41.4	38.8	34.5	32.9	27.7	
	B	362	390	387	384	383	380	377	374	370	359	338	314	289	259	234	207	184	
	B2 BW	390 384	417 395	415 393	411 389	412 388	409 385	405 382	403 377	398 370	388 370	369 359	352 343	325 320	279 279	248 248	216 217	189 189	
150	-	71.6	66.3	63.1	60.5	59.5	57.6	54.7	49	46.1	42.1	39.4	36.5	32	29.6	25.4	23.8	18.8	
	B	310	351	357	354	352	351	347	343	341	335	320	300	278	251	227	201	180	
	B2 BW	332 330	376 361	384 363	379 358	379 357	378 356	373 352	373 349	370 348	368 348	362 343	350 338	338 326	320 313	272	248	212	187
160	-	58.2	54.8	52.1	51	48.8	45.8	40.2	37.3	33.4	30.8	28	23.6	21.3					
	B	307	328	328	324	324	323	315	314	311	300	285	266	243	221	195	176		
	B2 BW	333 327	353 334	353 333	349 328	350 329	348 327	340 321	339 320	335 317	328 314	328 308	321 302	311 285	265 246	246 206	206 186		
170	-	51.8	47.9	44.9	43.6	41	38	32.4	29.6	25.7	23.2	20.4	16.2	13.9					
	B	270	296	304	303	298	299	294	290	286	281	270	254	235	214	190	172		
	B2 BW	288 289	321 309	327 308	327 307	321 302	323 303	318 299	314 296	314 291	309 291	306 287	301 287	294 283	257 256	244 244	201 201	184 184	
180	-	41.7	37.7	36.2	34	31.3	25.7	22.9	19	16.5	13.9								
	B	264	279	282	279	276	274	271	267	262	255	241	224	205	183	168			
	B2 BW	289 285	302 287	304 286	302 283	298 280	296 278	294 276	289 271	284 267	284 266	281 264	277 264	249 244	236 234	196 196	183 183		
190	-	36.5	31.9	30.1	28	25.3	19.6												
	B	225	254	262	261	258	254	253	250	245	241	228	214	197	176	162			
	B2 BW	247 247	276 268	283 266	283 265	279 262	275 258	274 257	271 254	266 249	266 249	262 245	259 245	240 245	228 232	214 223	191 192	178 180	
200	-	27.2	25	22.6															
	B	228	242	243	242	242	236	235	233	230	226	216	204	188	170	156			
	B2 BW	250 248	262 249	264 247	263 246	256 240	255 239	254 237	251 234	245 229	245 227	245 227	243 227	231 220	219 212	204 201	187 187	174 176	
210	-	20.2																	
	B	222	226	226	222	218	216	215	212	204	194	180	165	151					
	B2 BW	241 235	246 231	246 231	242 231	242 226	242 222	237 222	236 220	235 219	231 216	231 216	227 212	227 212	222 207	210 201	182 183	174 171	
220	-	16.2																	
	B	200	210	211	209	205	202	200	198	192	183	171	159	145					
	B2 BW	219 217	229 218	230 216	227 212	227 212	224 209	224 209	221 205	219 204	219 204	217 202	214 202	214 199	210 196	201 189	177 178	167 166	
230	-	13																	
	B	166	194	196	195	193	189	186	185	180	173	163	153	139					
	B2 BW	187 187	213 205	214 203	213 198	212 197	212 197	208 193	205 190	205 188	202 186	199 186	191 179	172 173	162				
240	-	175	182	182	181	178	174	172	168	163	155	146	133	121					
	B	194	199	199	199	196	193	190	189	187	181	166	151	137					
	B2 BW	190	192	186	185	182	178	175	174	175	174	168	161	157	146	133	121		
250	-	167	170	169	167	164	160	156	153	146	138	126	115						
	B	184	186	186	185	182	178	175	174	175	174	168	161	157	146	133	121		
	B2 BW	180	176	172	170	168	163	159	158	154	151	142	133	126	115				
260	-	149	158	158	155	154	151	146	143	138	133	126	115						
	B	166	173	175	173	172	168	165	163	160	151	149	147	146	140				
	B2 BW	165	166	163	163	159	158	154	151	149	147	145	142	139	136	126	115		
270	-	123	145	148	146	143	142	138	134	130	126	122	119	109					
	B	140	159	164	163	161	159	155	152	149	147	143	139	136	126	115			
	B2 BW	140	155	154	149	147	145	141	138	136	134	130	127	126	122	119	109		
280	-	129	138	137	134	133	130	126	122	119	115	109	109						
	B	143	153	153	151	149	147	143	139	136	132	126	122	119	109				
	B2 BW	142	145	141	138	136	134	130	127	126	122	119	115	109					

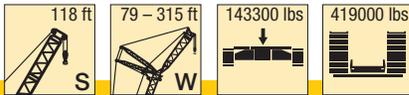


ft		HS 138 - 472																	
		138	157	177	197	217	236	256	276	295	315	335	354	374	394	413	433	453	472
290	- B B2 BW										128 141 136	129 143 133	126 142 129	124 139 127	121 138 125	119 135 123	115 131 118	112 129 117	104 124 113
300	- B B2 BW										113 127 125	121 134 125	119 134 122	116 130 118	113 121 117	112 127 115	108 124 112	105 122 109	97.5 116 104
310	- B B2 BW										89.4 105 105	111 123 116	112 125 115	109 123 112	105 121 109	104 119 108	101 117 105	98.7 115 103	91.8 109 96.8
320	- B B2 BW											96.6 109 106	105 117 108	103 115 106	98.6 113 102	97 109 100	93.8 109 98	92.2 109 96	86.2 102 90.6
330	- B B2 BW												95.8 107 101	96.9 108 99.2	92.8 107 96	90.1 104 93.3	86.8 102 91.1	85.8 102 89.5	80.7 96.1 84.7
340	- B B2 BW												84.1 96.6 94.9	90.7 100 92.9	87 101 90	84.6 97.5 87.7	79.8 94.7 84.3	79.3 95.3 82.9	75.1 89.7 78.7
350	- B B2 BW												62.4 77.4 77.5	80.2 90.3 86.3	81.2 94.1 84	79.2 91.1 82.1	74.8 88.8 79	72.8 88.7 76.4	69.6 83.3 72.8
360	- B B2 BW													66.5 78.1 76.8	74.3 86.5 78.3	73.7 84.6 76.4	70.2 83.2 74	67.5 82.7 70.9	64.1 77 66.9
370	- B B2 BW														66.2 77.5 72.7	68.1 78.1 70.9	65.7 77.6 69	63.2 77.3 66.3	58.8 71 61.3
380	- B B2 BW														56.9 67.2 67.3	62.2 71.5 65.7	61.1 72 64.1	59.2 72.2 62.2	54.2 66.1 56.6
390	- B B2 BW														39.3 50.6 50.8	54.7 64.2 61.5	56.6 66.4 59.1	55.3 67 58.1	50.1 61.9 52.4
400	- B B2 BW															43.6 53.7 53.1	50.1 60.2 54.9	51.4 61.9 53.9	46 57.8 48.2
410	- B B2 BW																42.1 53.3 50.7	46.8 56.3 49.7	42 53.7 44.1
420	- B B2 BW																27.2 45.3 45.2	41 49.9 45.3	37.9 49.6 39.9
430	- B B2 BW																20.9 31.7 31.6	33.7 42.3 40.6	33.6 44.9 36.1
440	- B B2 BW																	19.1 32.8 32.5	28.7 38.9 33
450	- B B2 BW																		23 31.9 29.3

F

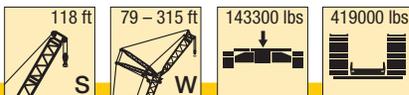
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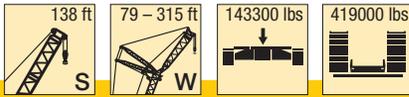
ft	S 118																		ft				
	W 79			W 98			W 118			W 138			W 157			W 177				W 197			
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°		87°	77°	67°	
40	526																						40
45	467			437																			45
50	419			402																			50
55	379			364			352																55
60	345			331			320			312			300										60
65	316			304			294			287			276			265							65
70	293			281			272			265			255			248							70
75	270			261			253			246			237			230			222				75
80	248	223		243			235			229			221			214			207				80
85	228	207		226	199		220			214			206			200			193				85
90	210	191		209	187		206			201			194			188			181				90
95		178		195	175		193	170		190			182			177			171				95
100		166		181	163		180	160		179	155		171			167			161				100
105		154	139	169	152		169	150		169	146		162	139		157			151				105
110		145	130	158	143		158	141		158	139		153	132		149			143				110
115			122	134			149	133		149	131		145	124		141			136				115
120			115	126	112		140	125		140	124		138	118		134	114		129				120
125			108	119	105		132	118		132	117		130	112		127	108		122	103			125
130			102	112	100		125	111	96	125	111		123	106		121	102		116	97			130
135					94			105	92	119	105		117	101		115	97		111	93			135
140					89			100	87	113	100	82	111	96		109	93		106	88			140
150									79			90	78	100	87		99	84		96	80		150
160									71			81	70	90	78	66		90	76		88	72	160
170									64			74	63	82	71	59		82	70	56	80	65	170
180																54		75	64	51	73	60	180
190																48.2			58	46.3	67	55	190
200																43.3			53	41.9	61	49.9	200
210																			37.6			45.4	210
220																			33.8			41.2	220
230																						27.5	230
240																						24.5	240

TAB 181047 / 181054 / 181061



ft	S 118														ft		
	W 217			W 236			W 256			W 276			W 295			W 315	
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°		87°	77°
80	200			195													80
85	187			182					175								85
90	175			171					165								90
95	165			160					155			149			143		95
100	155			151					146			140			137		100
105	146			142					137			131			129		105
110	138			134					130			124			121		110
115	131			127					123			117			115		115
120	124			120					116			111			108		120
125	117			114					110			104			102		125
130	112	91		108					104			99			97		130
135	106	88		103					99			94			92		135
140	101	83		98	76				94			89			87		140
150	92	75		89	72				85			80			79		150
160	84	68		81	65				77	61		72	56		71		160
170	77	61		74	58				70	55		65	50		64	48.1	170
180	70	56		67	53				64	49.4		59	44.7		58	43.1	180
190	65	51	38	62	47.8				58	44.4		54	39.8		52	38.2	190
200	59	46.1	33.9	56	43.1	30.9			53	39.9		48.8	35.3		47.2	33.8	200
210	54	41.9	30.2	52	38.9	27.2			48.6	35.8	23.9	44.1	31.2		42.6	29.7	210
220		49.8	38.2	47.6	35.2	23.9			44.5	32.1	20.7	40.1	27.6	15.1	38.5	26.1	220
230			34.9	43.7	31.9	20.9			40.7	28.7	17.8	36.3	24.3	13.2	34.7	22.8	230
240			31.6	39.9	28.7	18.1			37.3	25.6	15	32.9	21.2		31.2	19.6	240
250					25.9	15.6			34.1	22.8	12.5	29.7	18.4		27.9	16.8	250
260					23.4	13.3			31.2	20.2	10.2	26.8	15.8		25	14.2	260
270						11.2				17.9		24.3	13.5		22.3	11.7	270
280										15.9		22.1	11.3		19.8		280
290															17.5		290
300															15.5		300

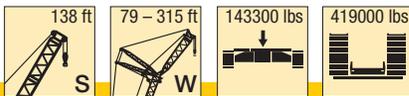
TAB 181047 / 181054 / 181061



G

ft	S 138																		ft			
	W 79			W 98			W 118			W 138			W 157			W 177				W 197		
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	
45	437			419																		45
50	402			386																		50
55	364			350			338															55
60	332			319			309			300												60
65	305			293			284			276			263			255						65
70	282			271			263			256			246			239						70
75	262			252			244			238			229			222			215			75
80	244	210		235			227			222			213			207			200			80
85	227	196		220			213			208			199			194			187			85
90	210	184		206			200			195			187			182			175			90
95		173		193	165		188			184			176			171			165			95
100		161		181	155		177	150		173			166			161			155			100
105		151		169	146		168	141		164	137		157			152			146			105
110		141		158	138		158	133		155	130		148	121		144			139			110
115		132			130		148	126		147	123		141	116		136			131			115
120			109		122		140	120		140	116		134	110		129	106		124			120
125			102		115	98	132	114		132	111		127	104		123	100		118			125
130			97		109	93	124	108		125	105		121	99		117	95		112	89		130
135						88		102		119	100		115	94		112	90		107	85		135
140						84		97	76	113	96		110	89		107	86		102	81		140
150						75		87	72		87		99	81		97	78		93	73		150
160									65		79	63	90	74	57	89	70		85	66		160
170									58		71	57	82	67	51	81	64	47.7	78	60		170
180												52	62	46.4	74	59	43.2	72	54			180
190												46.7	56	41.9		54	38.9	66	49.5	34.6		190
200														37.9		49.2	34.9	61	45.1	30.8		200
210																		31.4	41.1	27.3		210
220																		28.3	37.7	24.2		220
230																		25.6	34.4	21.4		230
240																				18.8		240

TAB 181047 / 181054 / 181061



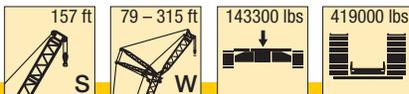
ft	S 138												ft				
	W 217			W 236			W 256			W 276		W 295		W 315			
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	87°	77°	87°	77°		
80	193															80	
85	180															85	
90	169			175						169						90	
95	159			165						159						95	
100	150			155						150			143			100	
105	141			146						141			135			105	
110	133			137						133			127		132	116	110
115	126			130						125			119		124	115	110
120	120			123						118			113		111	106	115
125	113			116						112			106		104	100	120
130	108			110						106			101		99	94	125
135	103			105						101			95		93	89	130
140	98			99						96			90		89	84	135
145	91			95	70					91			86		84	80	140
150	89	73		86	66					82			77		76	71	150
160	81	69		78	59					74	55		70		68	64	160
170	74	62		71	53					67	49.3		63	44.1	61	42.6	170
180	68	56		65	47.6					61	44.1		57	39.4	55	37.9	180
190	62	50		59	42.8					56	39.4		51	34.7	50	33.3	190
200	57	45.6		54	38.4					51	35.1		46.5	30.5	45	29.1	200
210	53	41.2	26.9	49.6	34.4	20.6				46.4	31.2		42	26.6	40.5	25.2	210
220	48.9	37.2	23.4	45.5	30.9	17.5				42.4	27.7	13.4	38	23.2	36.5	21.8	220
230		33.8	20.4	41.9	27.6	14.8				38.7	24.5	11.6	34.3	20	32.8	18.6	230
240		30.6	17.6	38.7	24.7	12.2				35.3	21.6		30.9	17.1	29.4	15.7	240
250		27.8	15.1		21.9					32.3	18.8		27.8	14.4	26.2	12.9	250
260			10.8		19.6					29.7	16.4		25	12	23.3	10.5	260
270					17.6						14.2		22.6		20.7		270
280											12.2		20.4		18.2		280
290															16		290
300															14		300

TAB 181047 / 181054 / 181061



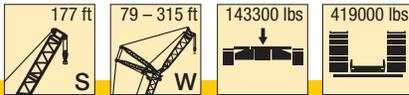
ft	S 157																		ft				
	W 79			W 98			W 118			W 138			W 157			W 177				W 197			
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°		
45	418																					45	
50	386																					50	
55	350			337			325															55	
60	319			308			297			289												60	
65	294			284			273			266			254									65	
70	272			263			253			247			238									70	
75	253			244			235			230			221			216			207			75	
80	236			228			219			214			206			202			193			80	
85	221	183		213			205			201			192			189			180			85	
90	208	172		201			193			189			181			177			169			90	
95		162		189	155		182			178			170			167			159			95	
100		153		179	146		171			168			160			157			150			100	
105		144		169	138		162	131		158			151			148			141			105	
110		136		158	130		154	124		150	118		143			141			134			110	
115		128			124		146	117		143	114		136			133			127			115	
120					117		139	111		136	108		129	102		127			120			120	
125			94		111		131	105		129	103		123	96		120	94		114			125	
130			89		106		124	100		123	97		117	91		115	89		108	81		130	
135			84					96		117	93		112	87		109	85		103	78		135	
140			80			72		91	66	112	88		107	82		104	80		99	74		140	
150					68			83	63		80		98	74		95	73		90	67		150	
160									56		73	54	89	67		87	66		82	60		160	
170									51		67	48.6	81	61	42.5	80	60		75	54		170	
180									46.3			44		56	38.3	74	54		69	48.9		180	
190												39.9		51	34.2		49.6	32.6	64	44.2		190	
200															30.5		45.3	29	59	40	23.4	200	
210																27.2			25.6		36.2	20.2	210
220																24.4			22.7		32.9	17.4	220
230																		20.1			30	14.8	230
240																						12.5	240

TAB 181047 / 181054 / 181061



ft	S 157												ft		
	W 217			W 236			W 256		W 276		W 295			W 315	
	87°	77°	67°	87°	77°	67°	87°	77°	87°	77°	87°	77°	87°	77°	
80	188														80
85	176			169											85
90	165			159											90
95	155			149			144			140					95
100	146			140			136			132			127		100
105	138			132			128			124			119		105
110	131			125			121			117			113	108	110
115	124			118			114			111			106	101	115
120	117			112			108			105			100	96	120
125	111			106			102			99			95	90	125
130	106			101			97			94			90	85	130
135	101			96			92			89			85	81	135
140	96	68		91			87			84			81	76	140
150	87	64		83			79			76			72	68	150
160	79	58		75	53		71	49.2		69			65	61	160
170	72	52		68	47.1		65	43.6		62	40.5		59	54	170
180	66	46.6		62	42.1		59	38.7		56	36		53	48.7	180
190	61	42		57	37.6		53	34.2		51	31.6		47.5	28.2	190
200	56	37.8		52	33.4		48.6	30.1		46	27.5		42.7	24.2	200
210	52	34	18.1	47.3	29.6	13.6	44.1	26.4		41.6	23.9		38.4	20.6	210
220	47.8	30.6	15.3	43.4	26.3	10.8	40.2	23.1		37.7	20.6		34.4	17.3	220
230		27.5	12.7	39.8	23.2		36.6	20.1		34	17.5		30.8	14.3	230
240		24.7		36.6	20.4		33.3	17.3		30.6	14.7		27.5	11.5	240
250					17.8		30.3	14.7		27.5	12.1		24.4		250
260					15.5		27.8	12.4		24.7	9.8		21.6		260
270					13.5			10.3		22.2			19		270
280										19.9			16.6		280
290													14.4		290
300													12.4		300

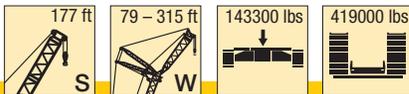
TAB 181047 / 181054 / 181061



G

ft	S 177																		ft				
	W 79			W 98			W 118			W 138			W 157			W 177				W 197			
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°		
45	400																						45
50	370																						50
55	336			324																			55
60	307			297			287			278													60
65	283			273			265			257			246										65
70	263			254			246			238			231										70
75	244			236			229			222			215			208							75
80	228			220			213			207			200			195			186				80
85	214			206			200			194			188			182			174				85
90	202			194			188			182			176			171			163				90
95		151		183			177			172			166			161			154				95
100		142		173	136		167			162			156			152			145				100
105		134		163	128		158	123		153			148			143			136				105
110		127		155	121		150	116		145			140			136			129				110
115		120			115		143	110		138			133			129			122				115
120		114			109		136	104		131	100		126			122			116				120
125					103		129	99		125	94		120	90		116			110				125
130			77		98		124	94		119	90		114	85		111	80		105				130
135			74		94			89		114	85		109	81		106	77		100				135
140			70		89	62		85		109	81		104	77		101	73		95	64			140
150					58			77			74		95	69		92	66		86	60			150
160					52				48.5		67		88	63		84	59		79	54			160
170					47.2				43.5		61	39.7	81	57		77	54		72	48			170
180									39.1		56	35.8		52		72	48.7		66	43.2			180
190												32		47.1	27.8		44.2	24.8	61	38.8			190
200												28.5			24.4		40.1	21.5	56	34.8	15.9		200
210															21.2		36.5	18.5		31.2	13		210
220															18.5		33.4	15.8		28.1	10.4		220
230																	33.4	15.8		25.2			230

TAB 181047 / 181054 / 181061



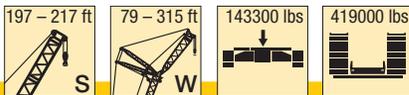
ft	S 177										ft		
	W 217		W 236		W 256		W 276		W 295			W 315	
	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	
80	181												80
85	170		162										85
90	159		153										90
95	150		144			139		135					95
100	141		135			131		127		120			100
105	133		128			123		119		115		101	105
110	126		121			116		113		108		100	110
115	119		114			110		106		102		96	115
120	113		108			104		101		96		92	120
125	107		102			98		95		91		86	125
130	102		97			93		90		86		81	130
135	97		92			88		85		82		77	135
140	92	61	88			84		81		77		73	140
150	84	58	79			76		73		69		65	150
160	76	51	72	46.6		68		66		62		58	160
170	70	45.9	65	41.2		62	37.4	59	34.7	56		52	170
180	64	41.1	59	36.5		56	33.1	54	30.5	50		46.2	180
190	58	36.7	54	32.3		51	28.9	48.5	26.4	45.1	22.9	41.1	190
200	54	32.8	49.4	28.4	46.2	25.1	25.1	43.8	22.6	40.5	19.2	36.5	200
210	49.3	29.1	45	24.8	41.9	21.6	39.4	19.1	36.2	15.8	32.3	15	210
220	45.6	25.9	41.2	21.6	38	18.5	35.6	16	32.4	12.8	28.5		220
230		23	37.7	18.8	34.5	15.6	32	13.2	28.8		25		230
240		20.3	34.6	16.1	31.3	13	28.7		25.6		21.8		240
250		17.9		13.6	28.4		25.7		22.6		18.8		250
260		15.8		11.4	25.9		23		19.8		16		260
270							20.5		17.3		13.5		270
280							18.2		14.9		11.1		280
290									12.7				290
300									10.8				300

TAB 181047 / 181054 / 181061



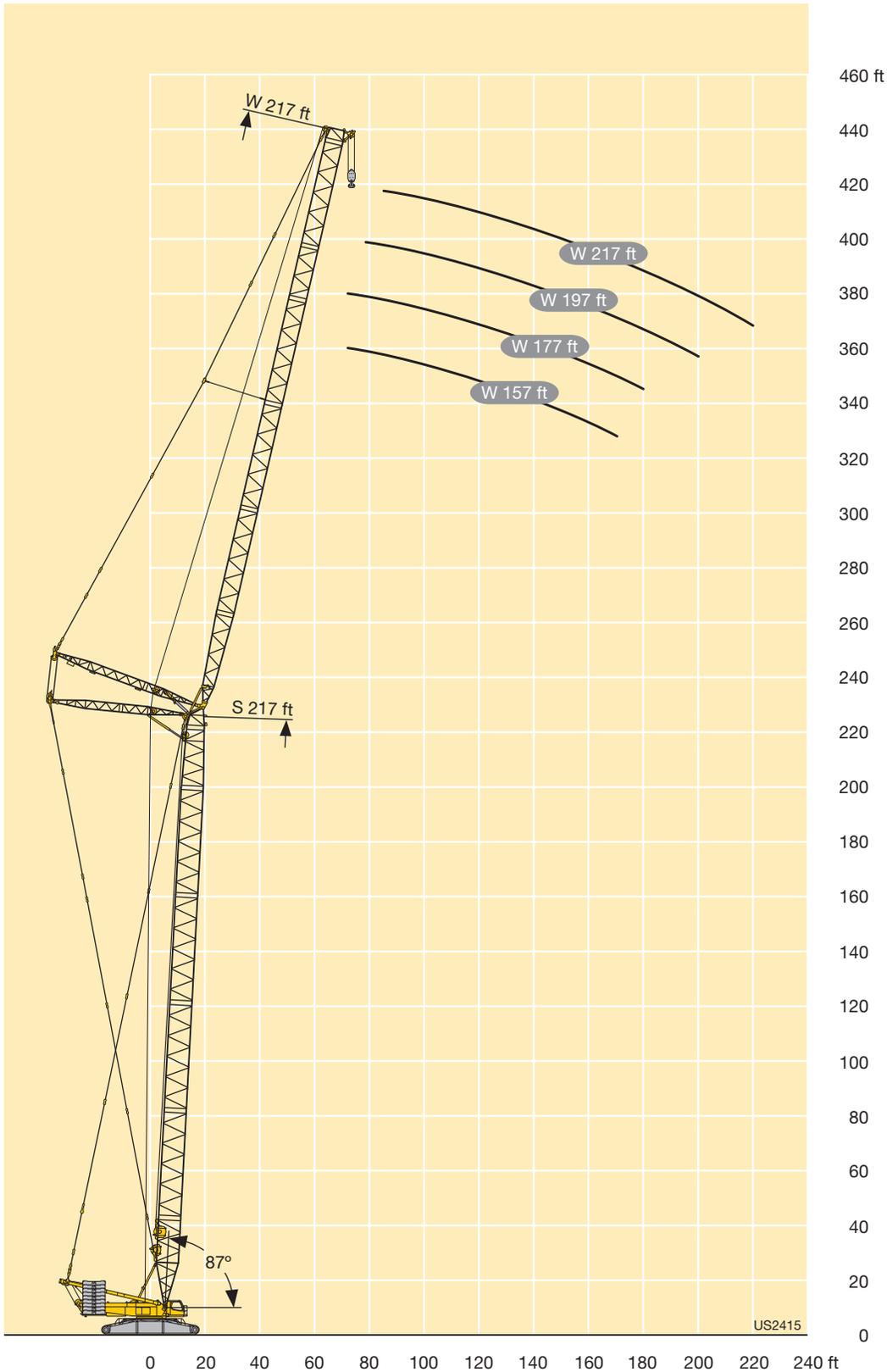
ft	S 197																		ft			
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45	383																					45
50	354																					50
55	323			311																		55
60	296			285				276														60
65	272			263				255			246			237								65
70	253			244				237			231			222								70
75	236			227				220			215			207			201					75
80	220			212				206			201			193			187			181		80
85	206			199				193			189			181			176			169		85
90	194			187				181			177			170			165			159		90
95				176				171			167			160			155			150		95
100		132		167				161			158			151			146			141		100
105		124		158	119			153			149			143			138			133		105
110		118		150	112			145	105		142			135			131			126		110
115		111			106			138	101		135			128			124			120		115
120		105			100			131	96		128	93		122			118			113		120
125		100			95			125	91		122	88		116			112			108		125
130		95			90			119	86		116	84		110	76		107			102		130
135					86			82	82		111	80		105	73		102			98		135
140			57		82			78	78		107	76		101	70		97	63		93	59	140
150			54					71	71			68		92	63		89	59		85	55	150
160								64	64			62		84	56		81	53		77	49.3	160
170						43.6		59	59	34.9		56	32.9	78	51		74	47.9		71	44	170
180						34.6				31.2		52	29.3		46.1		69	43.2		65	39.4	180
190										27.6			25.8		41.8	20.2		38.9		60	35.2	190
200													22.6		37.9	17.1		35	14.3	55	31.4	200
210																14.3		31.5		28		210
220																11.8		28.5		24.9		220
230																				22.1		230
240																				19.6		240

TAB 181047 / 181054 / 181061



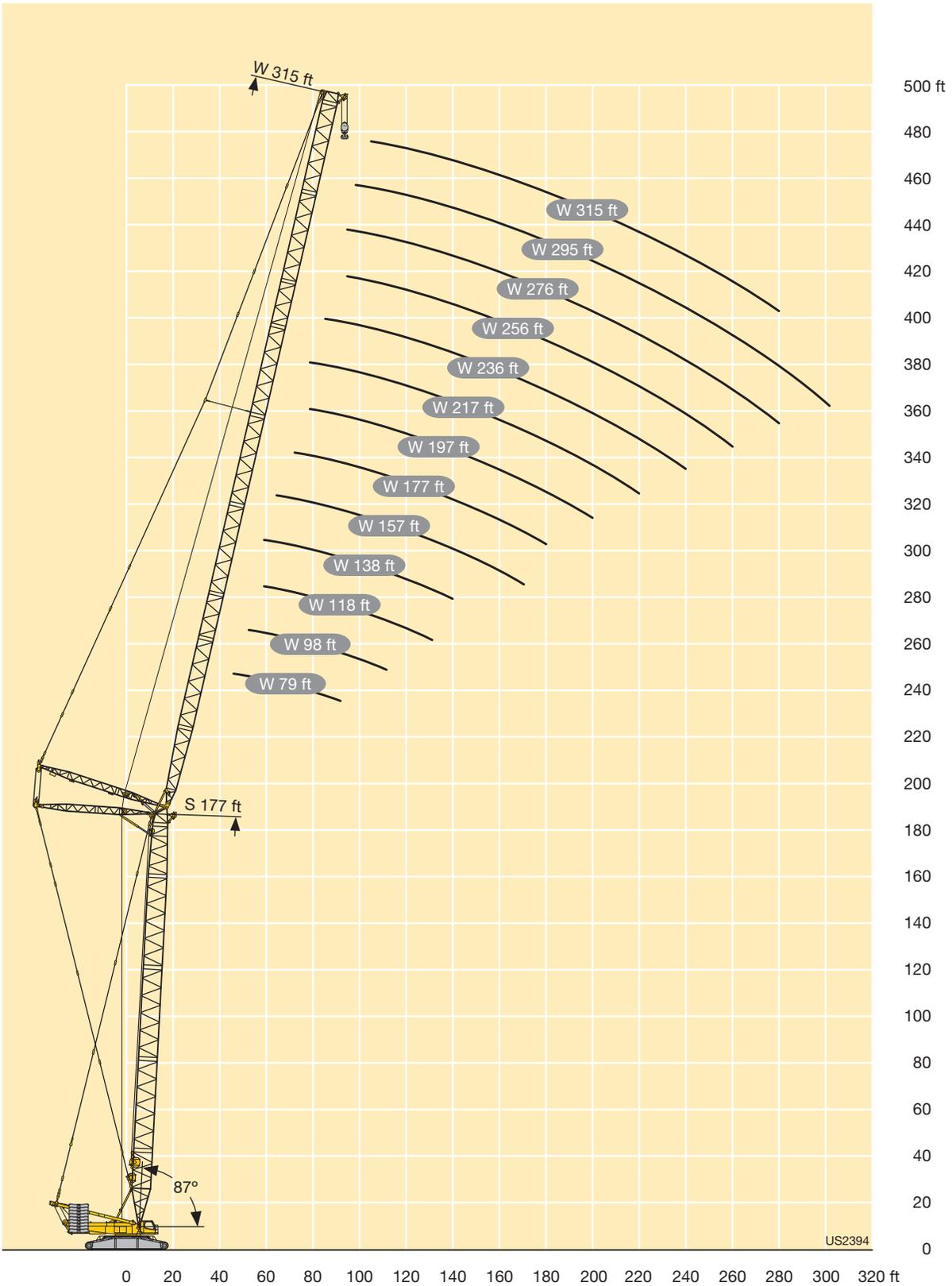
ft	S 197										S 217								ft			
	W 217		W 236		W 256		W 276		W 295		W 157		W 177		W 197		W 217					
	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°				
75											199		195								75	
80											186		182			174					80	
85	163		156								174		171			163			156		85	
90	153		147								164		161			153			147		90	
95	144		138			136					154		151			144			139		95	
100	136		130			128		122		112	145		143			136			131		100	
105	128		123			120		115		110	137		135			128			123		105	
110	121		116			114		108		104	130		128			121			116		110	
115	115		110			108		102		98	123		121			115			110		115	
120	109		104			102		96		92	117		115			109			104		120	
125	103		98			96		91		87	111		110			103			99		125	
130	98		93			91		86		82	106	68	104			98			94		130	
135	93		89			87		82		78	101	66	100			94			89		135	
140	89		84			83		78		74	97	62	95	58		89			85		140	
150	81		76			75		70		66	88	55	87	54		81			77		150	
160	73	45.2	69	40.5		67		63		59	81	49.6	79	48.5	74	42.6	70	38.6			160	
170	67	40.1	62	35.4	61	33.8		57		53	74	44.5	73	43.4	68	37.7	64	33.8			170	
180	61	35.6	57	31	56	29.8		51		47.6		40	67	38.9	62	33.4	58	29.6			180	
190	56	31.5	52	27	50	25.8	46	21.2		42.7	36		34.9	57	29.5	53	25.8				190	
200	51	27.8	46.9	23.4	45.8	22.2	41.4	17.6	38.1	14.2		32.3		31.2	52	26	48.6	22.3			200	
210	47	24.4	42.7	20	41.5	18.9	37.2	14.4	33.9					27.8		22.7	44.5	19.1			210	
220	43.3	21.4	38.9	17	37.7	15.9	33.5	11.5	30.2					24.9		19.9	40.9	16.3			220	
230		18.6	35.5	14.3	34.2	13.2	30		26.8							17.3		13.7			230	
240		16	32.5	11.8	31		26.8		23.6							14.9		11.3			240	
250		13.7			28.1		23.8		20.7													250
260		11.7			25.4		21.1		18													260
270							18.7		15.5													270
280							16.5		13.2													280
290									11.1													290
300									9.2													300

TAB 181047 / 181054 / 181061



Lifting heights Hauteurs de levage

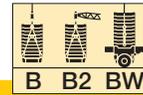
SW



G

HSDWB/B2/BW

HS 138



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

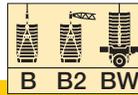
H

ft		HS 138																											
		W 79				W 98				W 118				W 138				W 157				W 177							
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°				
45	- B B2 BW	423 705 705				405 705 705																							
50	- B B2 BW	389 705 705				373 705 705																							
55	- B B2 BW	352 705 705	341 705			337 694 699				326 611 618																			
60	- B B2 BW	320 700 703	311 705 705			307 671 684	298 704 705			297 594 602	287 624 632			290 523 527							280 452 455								
65	- B B2 BW	294 672 692	285 705 705			282 645 663	273 695 705			273 580 587	264 610 620			266 511 516	255 532 533						258 445 449		249 386 387						
70	- B B2 BW	272 628 638	263 674 684			261 615 626	252 660 679			252 563 571	244 592 607			247 500 506	238 524 529						238 437 441		233 381 383						
75	- B B2 BW	253 581 583	244 628 638			242 579 583	234 620 638			234 545 552	226 569 586			229 488 493	221 514 521						221 430 433	214 447 451		216 375 378					
80	- B B2 BW	235 534 533	228 578 580	199 636 692		225 540 537	218 577 587			217 521 526	210 542 558			213 476 477	206 502 510						206 422 425	199 440 445		202 369 371	194 383 384				
85	- B B2 BW	220 488 486	213 531 532	186 600 652		210 496 493	203 535 533	176 589 639		203 489 489	196 512 526			199 464 460	192 489 496						192 412 417	186 433 438		188 361 363	181 375 377				
90	- B B2 BW	205 433 432	200 489 489	174 567 617		197 460 458	191 492 492	165 560 608		191 457 455	184 482 490			187 443 438	180 472 478						181 403 408	174 425 430		177 351 353	170 367 369				
95	- B B2 BW			163 426 425		186 429 427	179 458 457	155 531 577		179 425 423	173 453 455			176 420 416	170 450 454						170 392 396	163 415 420		166 341 344	160 358 361				
100	- B B2 BW			154 510 554		175 397 395	169 428 426	146 504 547		169 395 394	163 424 423	140 497 541			166 396 393	160 424 426						160 378 382	154 404 407		156 332 335	151 349 352			
105	- B B2 BW			145 484 523		164 360 359	160 399 398	137 479 518		159 371 371	153 395 393	131 473 515			156 373 371	151 396 396	129 470 510					151 361 363	145 392 394		148 323 325	142 340 343			
110	- B B2 BW			136 462 484		154 319 318	150 362 362	130 457 485		151 351 350	145 371 370	124 452 483			148 350 349	143 372 371	121 448 485					143 345 345	137 369 370	114 428 434		140 313 316	134 331 335		
115	- B B2 BW			125 400		141 311 312	123 449 451			143 329 329	138 349 350	117 451 448			141 329 331	135 349 349	115 429 455					135 327 328	130 347 347	109 419 429		132 304 307	127 321 323		
120	- B B2 BW							101 418 443		135 307 306	131 329 329	111 411 419			134 312 312	128 329 328	109 410 422					128 309 310	123 326 325	103 404 416		126 294 298	120 311 310	101 346 351	
125	- B B2 BW							94.6 385 425		109 395 395	88.7 379 417			128 283 282	124 308 310	105 389 392						122 291 293	117 309 308	97.7 388 391		119 284 287	114 300 296	95.3 341 346	
130	- B B2 BW							89.2 368 406		102 369 368	84 364 401			121 252 249	116 286 285	99.7 365 365						121 282 283	116 297 296	97.7 369 368		113 273 274	109 289 281	90.3 334 339	
135	- B B2 BW																						110 264 265	106 278 276	88 346 346		108 262 261	104 276 269	85.8 324 328
140	- B B2 BW																						105 253 253	101 265 264	83.6 326 326		103 251 248	98.8 263 257	81.4 313 316
150	- B B2 BW																						94.7 227 227	91.2 240 239	75.4 290 290		93.9 230 227	89.9 239 237	73.6 288 288

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 138



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

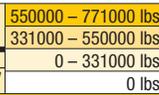
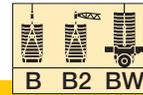
ft		HS 138																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
160	- B B2 BW												56.7				70.7	55.7	85.4	82.2	67.9	50.9	85	81.6	66.6
													284				262	282	196	215	261	278	211	219	261
													311				261	313	196	214	261	308	208	216	258
													302				263	314	197	214	261	311	208	216	260
170	- B B2 BW												51				63.6	50.2	76.3	73.1	61.1	45.5	75.9	72.7	60.4
													266				240	264	157	186	237	260	190	201	237
													288				239	290	158	186	238	287	187	198	234
													282				240	292	158	186	239	288	188	198	235
180	- B B2 BW																	45.6				55.5	40.9	68.7	65.8
																		249				217	245	167	181
																		268				217	265	165	178
																		268				218	265	166	179
190	- B B2 BW																	40.5				50.5	36.7	60.1	49.8
																		232				185	228	151	200
																		248				185	243	148	199
																		247				185	242	149	198
200	- B B2 BW																					33			45.4
																						212			184
																						222			183
																						221			183
210	- B B2 BW																								27.8
																									200
																									201
220	- B B2 BW																								24.8
																									186
																									185
																									184
230	- B B2 BW																								22.3
																									173
																									172
																									172

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 138

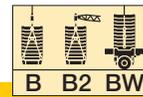


ft		HS 138																												
		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
75	- B B2 BW	208 321 322 322																												
80	- B B2 BW	194 317 319 319				189 274 275 275				184 235 235 235																				
85	- B B2 BW	181 173 313 320 315 322 315 322				177 271 276 272 277 272 277				172 233 234 234				166 197 197 197																
90	- B B2 BW	170 163 310 318 312 320 312 320				166 159 268 274 270 275 270 275				161 231 232 232				156 195 195 195																
95	- B B2 BW	159 153 306 315 308 317 308 317				156 149 265 272 267 273 267 273				151 145 229 232 229 233 229 233				146 193 193 193				140									137 143 143 143			
100	- B B2 BW	150 144 302 312 304 314 304 315				146 140 262 269 263 271 264 271				142 136 227 231 227 231 227 231				138 131 190 193 191 193 191 194				132									129 141 142 142			118
105	- B B2 BW	141 135 298 309 301 311 301 312				138 132 258 266 260 268 260 268				134 128 224 229 225 229 225 229				129 124 188 192 189 192 189 192				124 118									164 166 164 166 164 166 164 166			116 117 117 117
110	- B B2 BW	133 128 295 305 297 307 297 309				130 125 254 263 256 265 257 265				127 121 222 227 223 228 223 228				122 117 186 189 187 190 186 190				117 111									114 107 139 140 163 165 139 140			109 116 116 116 116 116 116
115	- B B2 BW	126 121 289 302 292 302 292 306				123 118 251 260 252 262 253 262				120 114 219 224 220 226 220 226				115 110 184 187 184 188 184 188				110 105									108 102 137 139 138 139 138 139			103 93.8 114 116 115 115 115 116
120	- B B2 BW	120 114 282 299 285 297 285 303				117 112 247 256 249 258 249 259				113 108 216 222 217 224 217 224				109 104 181 186 182 186 182 186				104 98.7									159 162 159 162 159 162 159 162			97 91.7 113 114 113 114 113 114
125	- B B2 BW	113 108 275 295 276 291 277 298				111 106 243 253 245 255 245 255				107 102 213 220 215 221 215 221				103 98.2 179 184 180 184 180 184				98.1 93.1									157 160 158 160 158 161 158 161			91.4 86.4 111 113 112 113 112 113
130	- B B2 BW	108 103 268 282 268 279 269 285	84.4 303 307 307			105 100 239 250 241 252 241 252				102 96.9 211 217 212 219 212 219				97.9 93 177 182 178 182 178 182				92.9 88									90.9 86 155 159 156 159 156 159			86.3 81.4 110 112 110 112 110 112
135	- B B2 BW	103 98 258 270 258 268 259 272	80 301 304 305			99.9 95.3 235 245 237 247 238 247				96.8 92.1 208 215 209 216 209 217				93 88.3 175 180 176 181 176 181				88.1 83.3									86.2 81.5 154 157 154 158 154 158			81.7 76.9 109 110 109 110 109 110
140	- B B2 BW	97.7 93.2 247 257 247 256 248 259	75.7 298 301 301			95 90.5 69.5 231 240 233 241 234 241	65.5 251 253 253				92 87.5 66.4 205 212 206 214 207 214	62.5 212 213 213				88.3 83.7 173 178 174 179 174 179									83.5 78.9 152 155 152 156 153 156			81.6 77.1 131 133 131 133 131 133	77.3 72.6 107 109 107 109 107 109	
150	- B B2 BW	88.8 84.5 226 234 225 233 225 235	68 282 283 284			86.2 81.9 65.5 219 228 221 228 221 228	65.5 249 250 252				83.3 79 62.5 199 207 200 209 201 209	62.5 211 211 213				79.7 75.4 169 174 170 175 170 175									75 70.7 148 152 149 153 149 153			73.3 69 128 131 128 131 129 131	69.1 64.7 104 106 104 107 104 107	
160	- B B2 BW	80.6 76.6 205 215 205 213 205 215	61.2 258 257 258			78.3 74.3 58.8 203 214 204 213 204 214	58.8 244 243 246				75.5 71.4 55.8 192 202 193 203 194 203	55.8 210 212 212				72.1 68 52.3 165 171 166 172 166 172									67.5 63.3 145 149 146 150 146 150			65.8 61.8 126 128 126 129 126 129	61.7 57.6 101 104 102 104 102 104	
170	- B B2 BW	72.7 69.3 190 198 190 196 190 198	55.1 234 232 234			71.4 67.5 52.8 187 196 187 196 187 196	52.8 229 226 230				68.6 64.7 49.9 181 193 181 195 182 194	49.9 208 209 210				65.3 61.4 46.5 161 167 162 168 162 168									60.7 56.8 41.8 142 146 143 147 143 147			59.2 55.3 39.9 123 126 123 127 124 127	55.2 51.2 98.4 101 98.8 101 98.6 101	
180	- B B2 BW	65.8 62.9 174 183 174 181 175 183	49.9 214 212 213			64.7 61.6 47.5 174 181 174 181 174 181	47.5 211 210 212				62.5 58.9 44.7 170 179 170 180 171 180	44.7 204 204 205				59.3 55.6 41.4 156 162 157 163 157 163									54.9 51.2 36.8 139 144 139 144 139 144			53.4 49.7 35.3 121 124 121 124 121 124	49.4 45.7 95.9 98.4 96 98.7 96 98.7	
190	- B B2 BW	59.9 57.3 158 167 157 166 159 167	45.1 196 195 196	29.6 221 240 235		58.9 56.2 42.8 161 168 161 168 161 167	42.8 194 194 195				57.1 53.6 40 159 166 159 166 160 166	40 193 192 194				53.9 50.4 36.8 151 155 151 156 151 156									49.5 46 32.3 135 140 136 141 136 141			48.1 44.5 30.8 118 122 119 122 119 122	44.2 40.6 26.7 93.4 95.9 96.2 93.4 96.2 96.5 93.5 96.3 96.6	
200	- B B2 BW	54.8 52.3 138 151 137 150 138 151	40.7 181 180 180	25.9 207 219 217		53.7 51.2 38.5 23.6 148 156 148 156 149 155	23.6 204 214 214				52.1 48.7 35.7 148 154 148 154 149 154	35.7 179 178 179				49 45.6 32.6 145 147 145 148 145 147									44.7 41.3 28.1 132 135 132 136 133 136			43.2 39.8 26.7 115 120 116 120 116 120	39.3 35.9 22.6 90.7 93.6 94.9 90.9 93.8 95.3 91 94 95.3	
210	- B B2 BW		36.4 168 168 168	22.5 196 196 199		49.1 46.6 34.6 20.3 135 144 135 143 136 143	20.3 194 200 198				47.5 44.3 31.8 17.5 138 144 138 144 139 143	17.5 183 185 185				44.5 41.2 28.7 136 139 136 139 136 139									40.2 36.9 24.3 130 130 129 131 130 131			38.8 35.5 22.9 113 117 114 118 114 118	34.9 31.7 18.9 87.8 91.3 93.5 88.6 91.4 94.1 88.5 91.7 94	

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 138



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

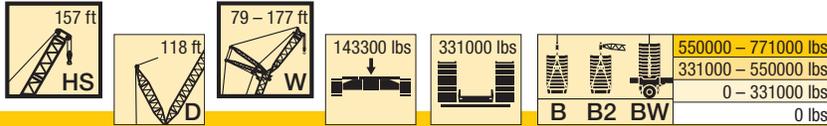
ft		HS 138																												
		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
220	- B B2 BW			33.1	19.6	45	42.7	31.2	17.4	43.6	40.4	28.4	14.6	40.5	37.4	25.3	11.4	36.2	33.1	21		34.8	31.7	19.6		31	27.9	15.6		
				155	183	120	131	154	182	127	133	151	178	127	130	149	151	122	125	138	122	111	115	119		85	88.8	92.1		
				155	183	120	130	155	183	127	133	152	177	127	131	149	142	122	125	139	107	112	116	120		86.2	89.1	92.7		
				156	183	120	130	154	183	128	133	152	179	127	130	149	153	122	125	138	123	112	116	120		86.1	89.4	92.7		
230	- B B2 BW			30.1	17			38.2	28.1	14.7	38.9	36.3	25.2	11.9	36.6	33.8	22.2	8.7	32.6	29.6	17.8		31.1	28.1	16.5		27.4	24.4	12.5	
				132	169			108	144	169	116	123	141	167	118	122	139	151	114	116	133	124	107	113	119		82.3	86.6	90.7	
				133	169			107	144	168	115	123	141	166	118	122	139	153	114	118	133	125	108	114	119		83.9	86.9	91.3	
				133	169			108	144	168	116	123	141	168	118	122	139	151	114	118	133	125	108	114	119		83.8	87.1	91.3	
240	- B B2 BW				14.6					25.3	12.2	34.6	32.5	22.3	9.4	33.1	30.6	19.3		29.3	26.3	15		27.7	24.8	13.6		24	21.1	9.7
					157					133	156	101	112	132	155	109	114	129	148	107	110	125	125	103	109	117	102	79.9	84.3	89.3
					157					132	155	99.8	111	132	155	109	113	129	149	106	110	125	126	103	109	117	103	81.5	84.7	89.9
					156					133	155	101	111	133	155	109	114	129	146	107	110	125	126	103	110	117	103	81.4	84.8	89.9
250	- B B2 BW									10				19.6	30.1	27.6	16.6		26.2	23.3	12.3		24.6	21.8	10.9		20.9	18		
										144				124	143	99.8	106	120	141	99.7	103	116	125	97.9	103	113	104	77.8	82.1	87.8
										144				124	143	99.8	105	120	141	98.8	103	115	127	98	103	113	104	79.1	82.6	88.4
										143				124	144	100	105	120	139	99.5	103	116	127	98.4	103	113	104	79.1	82.6	88.6
										8				17.2	27.4	25	14.2		23.4	20.6	9.9		21.7	19	8.5		18	15.3		
260	- B B2 BW									134				115	133	89.4	96.4	112	131	92.7	96.4	108	122	92.9	96.4	107	106	75.8	80	86.3
										135				115	133	89	95.8	112	131	92	96.2	107	126	92.6	96.6	106	106	76.7	80.4	87
										134				115	133	89	96	112	130	92.9	96.3	108	126	93.1	96.6	107	106	76.8	80.5	87.2
270	- B B2 BW									126				98.5	123				22.9	12		20.9	18.2	7.7		19.1	16.5	15.4	12.7	
										127				98.3	124				77.8	105	121	84.4	89.8	101	116	86.8	90	73.8	77.9	85.1
										126				98.3	124				77.5	105	122	84	89.7	101	119	86.4	90	74.3	78.2	85.6
														115					77.5	105	122	85	89.9	101	118	86.8	90	74.6	78.4	85.8
280	- B B2 BW													115					18.7	16		18.7	16			16.6	14.1	12.9	10.4	
														116					80.4	83.5	94.8	109	80.4	83.5	94.7	104	71.2	75.5	83.1	
														116					85	89.9	101	118	86.8	90	100	106	71.5	75.6	83.6	
														116					85	89.9	101	118	86.8	90	100	106	71.9	75.9	83.8	
290	- B B2 BW																					89.2	102	73.5	76.9	88.7	101	68	72.3	80.1
																						89.1	102	73	76.9	88.3	102	68.3	72.4	80.5
																						88.7	102	73.1	77.4	88.5	101	68.7	72.7	80.8
300	- B B2 BW																							12.4	9.9		8.6	64.9	68.1	75.6
																								83.6	95.5	64.1	69.6	65.1	68.2	75.7
																								83.5	94.8	63.3	69.6	65.4	68.3	76.1
																								83.7	95.3	63.7	70.1	65.4	68.3	77.9
310	- B B2 BW																													
320	- B B2 BW																													
330	- B B2 BW																													
340	- B B2 BW																													
350	- B B2 BW																													
360	- B B2 BW																													

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 157



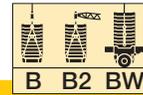
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ft		HS 157																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	- B B2 BW	418 705 705 705				674 681 681																			
50	- B B2 BW	386 705 705 705				352 658 666 666																			
55	- B B2 BW	349 700 705 705	337 705 705			337 637 647 648				325 560 568 568															
60	- B B2 BW	319 683 699 699	308 704 705 705			307 617 628 629	296 656 671 672			297 546 555 556				289 480 485 486											
65	- B B2 BW	293 644 667 664	283 698 705 705			283 596 608 610	272 638 654 655			273 532 540 541	260 559 570 572			266 471 477 477	487 496 496			254 411 414 415					249 358 359 360		
70	- B B2 BW	271 608 628 627	262 662 687 673			262 574 586 587	252 620 637 635			253 517 526 527	243 548 561 561			246 461 466 467	229 482 490 490			238 404 408 408					233 353 355 356		
75	- B B2 BW	252 572 585 587	243 625 649 634			243 549 562 563	234 599 616 612			235 503 512 514	226 535 547 549			229 450 456 457	220 473 482 483			221 396 402 401	213 414				217 347 351 352		
80	- B B2 BW	235 536 542 544	226 588 598 592			226 523 534 535	218 574 589 585			219 486 497 498	210 516 531 537			213 439 446 447	205 464 473 475			206 389 395 395	198 407 413 414				202 342 346 346	194 355 358 358	
85	- B B2 BW	220 500 498 498	212 547 547 548	180 647 694 661		212 497 500 501	203 544 553 554			205 468 480 481	197 494 511 525			200 429 437 437	192 455 465 466			193 381 386 387	185 401 407 408				189 335 339 339	181 349 354 354	
90	- B B2 BW	208 457 453 456	199 503 504 506	169 616 660 628		199 471 468 470	191 508 512 513			192 448 459 460	185 471 488 499			188 416 422 426	180 445 457 458			181 374 379 380	174 395 402 402				177 327 331 331	170 343 348 349	
95	- B B2 BW	188 461 460 461	159 585 627 596			187 442 438 440	180 474 475 476	152 573 613 586		181 426 433 435	174 448 464 470			177 404 405 415	169 434 445 446			170 366 372 372	163 387 394 395				167 320 323 324	160 337 341 342	
100	- B B2 BW	149 557 593 566	177 410 406 407	143 549 587 557		177 410 406 407	143 549 587 557			171 403 405 407	164 426 438 440	137 534 567 549		166 390 386 401	159 419 429 430			161 357 363 364	154 378 385 386				157 312 315 316	150 329 334 335	
105	- B B2 BW	141 530 558 539	168 416 414 414	134 523 560 531		168 373 371 373	134 523 560 531			161 381 380 381	154 404 411 410	129 514 551 525		157 373 368 382	150 401 406 406			151 347 352 354	145 371 378 378				149 304 307 308	142 321 326 326	
110	- B B2 BW	133 505 517 510	159 334 333 334	127 380 378 379		159 334 333 334	127 500 525 507			153 360 360 361	146 383 385 384	121 493 525 502		149 354 350 358	143 381 383 383	116 465 471 480		143 338 341 344	137 359 363 365				141 296 299 300	134 313 318 318	
115	- B B2 BW	126 477 479 478	145 343 340 341	120 475 489 481		145 343 340 341	120 475 489 481			145 339 339 339	139 363 363 363	115 472 489 479		141 335 333 337	135 360 360 361	111 457 458 469		136 326 327 330	130 347 349 351				133 289 291 292	127 305 310 310	
120	- B B2 BW	114 449 454 451	132 317 316 317	109 343 342 343		114 449 454 451	109 343 342 343			138 317 316 317	132 343 342 343	103 449 452 452		134 318 317 318	128 339 338 339	105 443 438 449		129 311 312 314	123 333 333 336	100 393 402 402			127 281 284 284	121 297 300 302	
125	- B B2 BW	89.1 427 458 434	108 422 422 421			108 422 422 421				132 292 291 292	126 322 320 322	103 420 421 422		128 303 302 303	122 319 318 319	99.8 422 417 422		123 296 297	117 318 319	94.7 386 396 395			120 276 276	114 290 289 294	92.3 324 330 331
130	- B B2 BW	84.5 410 441 416	103 397 398 397	77.6 401 430 407		103 397 398 397	77.6 401 430 407			125 265 264 265	120 298 297 298	97.8 393 393 394		122 288 288 288	116 304 303 304	94.7 395 393 393		117 281 281 281	111 301 300 301	89.7 373 387 381			114 265 267 268	109 282 278 285	87.5 320 326 326
135	- B B2 BW	79.9 395 424 400	74.7 390 418 396			74.7 390 418 396				116 371 371 371	111 371 371 371	93.2 371 371 371		116 272 271 272	111 289 288 289	90.2 371 370 370		112 268 268 268	106 285 285 286	85.2 358 368 363			109 259 260	104 273 268 275	83.1 320 320 320
140	- B B2 BW	75.3 380 408 386	70.8 375 403 381			70.8 375 403 381				111 350 350 350	106 359 386 364	85.8 364 364 364		111 255 255 256	106 274 273 274	85.8 349 349 349		107 257 257 257	101 271 271 271	80.9 342 346 344			104 251 250 252	99 263 257 265	78.8 306 314 312
150	- B B2 BW	63.7 349 375 354	63.7 349 375 354			63.7 349 375 354				80 312 312 313	59.1 345 372 350			96.2 239 238 240	77.9 310 310 310			97.2 232 231 231	92.3 245 245 246	73.1 308 308 308			95.2 234 232 234	90.2 244 244 244	71.1 288 298 294

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 157



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

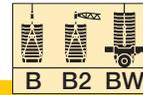
ft		HS 157																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
160	- B B2 BW												53.1				70.7	50.4	88.6	84.1	66.2		87.1	82.3	64.3	
													321				278	319	203	222	276		214	225	266	
													347				278	344	202	220	276		213	219	276	
													326				278	324	203	222	276		215	225	272	
170	- B B2 BW												47.8				63.6	45.2	80.6	75.4	60.1	40.2	80.1	74.9	58.3	
													301				252	299	170	194	250	293	194	206	247	
													325				253	322	168	193	250	317	193	202	249	
													305				251	303	170	194	250	298	195	207	248	
180	- B B2 BW												43.4								54.9	36.1	71.8	67.9	53	
													283								230	276	172	186	227	
													297								230	293	171	184	226	
													287								230	281	172	186	227	
190	- B B2 BW																				50.2	32.1		61.9	48.3	30.4
																					261	258		160	210	257
																					268	266		159	209	263
																					264	261		160	210	260
200	- B B2 BW																					28.5			44.1	26.8
																						239			195	239
																						240			194	242
																						239			194	240
210	- B B2 BW																					25.3				23.6
																						217			218	
																						219			220	
																						218			218	
220	- B B2 BW																					22.7				20.8
																						202			200	
																						202			202	
																						203			201	
230	- B B2 BW																									18.2
																									185	
																									186	
																									186	

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 177



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

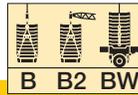
H

ft		HS 177																									
		W 79				W 98				W 118				W 138				W 157				W 177					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
45	- B B2 BW	400 703 705 705																									
50	- B B2 BW	369 678 689 690																									
55	- B B2 BW	335 649 664 666	322 697 705 705			325 590 598 599				314 521 527 527																	
60	- B B2 BW	307 620 635 636	294 677 699 700			297 570 580 581	284 603 624 624			287 509 515 516			279 448 453 454														
65	- B B2 BW	282 590 607 608	270 650 671 673			273 547 559 559	262 592 608 609			265 496 502 504	250 525 533 533			258 439 445 445				247 384 387 387				334 337 337					
70	- B B2 BW	261 562 578 580	250 623 644 643			253 525 535 538	242 573 589 590			245 480 489 490	234 513 523 524			239 430 436 436				231 378 382 382				217 331 333 334					
75	- B B2 BW	243 534 549 551	232 596 618 614			236 503 509 517	225 552 569 571			228 465 475 476	218 500 512 513			222 420 426 427	212 444 452 452			215 372 376 376				209 327 329 330					
80	- B B2 BW	227 506 521 523	217 569 592 583			220 482 482 496	210 531 549 550			213 451 461 461	203 488 501 501			208 411 416 418	198 436 445 445			201 365 369 369	191 382 386 386			195 321 324 325	185 334 337 337				
85	- B B2 BW	213 480 494 496	203 541 562 550			206 460 457 472	196 512 529 531			199 435 443 445	190 474 488 489			194 402 408 409	185 429 438 437			188 357 361 362	179 377 383 383			182 316 319 320	173 331 334 334				
90	- B B2 BW	200 448 453 453	191 510 516 513			193 438 433 451	184 494 510 510			187 418 424 428	178 458 471 475			183 390 397 398	174 419 428 429			177 350 354 356	168 371 378 378			171 310 313 313	163 326 329 330				
95	- B B2 BW		180 472 472 473	147 573 613 585		182 418 411 430	174 475 489 487			176 400 405 412	168 444 452 460			172 377 386 386	164 410 419 421			166 343 348 349	158 365 371 372			161 303 306 307	153 320 324 325				
100	- B B2 BW			138 547 585 556		172 397 389 406	164 453 462 459	133 535 573 548		166 384 386 396	158 429 432 444			162 365 374 374	154 400 410 411			157 335 341 342	149 358 364 365			152 296 299 300	144 313 317 318				
105	- B B2 BW			130 521 558 529		163 369 364 374	155 424 424 424	125 514 550 522		157 368 367 379	149 415 413 425	120 500 532 514			153 352 360 361	146 387 398 398			148 327 333 333	140 352 358 359			143 289 291 293	136 306 311 311			
110	- B B2 BW			123 497 533 505		155 336 333 337	147 389 388 388	118 491 526 499		149 353 349 362	141 401 394 406	113 482 516 493			145 339 344 349	138 374 386 385	108 437 452 452			140 318 325 325	133 343 350 351			136 281 284 285	128 300 304 304		
115	- B B2 BW			117 475 504 484		140 351 349 350	112 470 504 478			142 337 332 344	134 380 374 382	107 464 497 473			138 326 328 336	131 360 372 371	104 433 451 452			133 308 315 316	126 335 341 342			129 274 278 278	122 293 297 297		
120	- B B2 BW			111 455 473 462		106 451 483 458			135 318 312 322	128 356 354 358	101 445 476 454			131 314 313 323	124 426 449 445	98.2 88.1 88.1			126 298 304 307	119 327 332 333			122 268 271 271	115 285 290 290			
125	- B B2 BW						101 433 463 439			128 293 290 294	121 332 333 334	95.8 427 457 435			125 302 300 309	118 331 341 341	92.9 415 446 430			120 289 293 297	113 317 322 323	88.1 369 380 381			116 261 264 264	109 279 282 283	
130	- B B2 BW				71.6 396 427 402			95.6 416 436 420		123 266 266	116 305 305	90.9 411 436 418			119 291 287 295	113 316 323 324	88.2 403 429 415			114 279 281 287	108 307 310 311	83.4 363 375 375			110 253 257 258	104 272 275 276	78.5 306 313 313
135	- B B2 BW				68.8 385 415 391			85.8 327 336				86.6 395 411 400			114 274 271 278	108 300 305 305	83.8 390 408 398			109 268 269 275	103 295 297 298	79.1 352 368 368			105 246 250 251	99.2 264 268 269	75.5 303 310 310
140	- B B2 BW				65.2 371 400 377			81.7 314 355 382 323	58 382 360			82.4 379 385 380			109 256 255 259	103 284 286 286	79.7 376 386 380			104 258 258 262	98.1 283 284 285	75.1 340 359 361			101 240 244 244	94.5 258 261 261	71.5 298 305 306
150	- B B2 BW								54.6 341 368 346			74.8 339 337 338				94.3 247 247 247	72.2 342 345 343			95.3 233 232 234	89.5 256 256 257	67.7 318 335 336			225 229 229	86 243 245 246	64.2 289 294 295

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 177



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

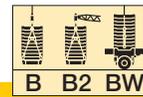
ft		HS 177																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
160	- B B2 BW				48.9								44.7				65.6	87.4	81.8	61.1		83.9	78.5	57.8	
					318								314				305	205	227	295		211	228	277	
					343								339				307	204	225	305		213	229	279	
					322								320				307	204	227	304		213	230	283	
170	- B B2 BW				43.9								39.8				59.8	37.2	80.5	74.7	55.3	77.1	71.8	52.1	
					298								294				273	291	173	197	273	193	211	264	
					321								318				274	315	172	196	275	194	210	261	
					302								299				275	295	173	196	273	194	211	267	
180	- B B2 BW												35.6				55				33.4				50.3
													276				236	275				171	188	245	
													299				237	297				170	187	243	
													281				237	279				171	189	246	
190	- B B2 BW																	29.7			45.8	25.3			60.6
																		259							42.7
																		280							22.3
																		263							251
200	- B B2 BW																				22				63
																									226
																									265
																									256
210	- B B2 BW																				19				38.7
																									19
																									16.1
																									224
220	- B B2 BW																				16.4				32.2
																									13.5
																									213
																									224
																									217
230	- B B2 BW																								11.2
																									202
																									207
																									204
240	- B B2 BW																								190
																									190
																									190

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 177



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

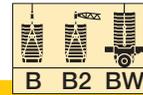
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ft	HS 177																											
	W 197				W 217				W 236				W 256				W 276				W 295				W 315			
	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
75	-	203																										
80	-	189			183																							
85	-	177	167		171			166				160																
90	-	166	157		160			156				151																
95	-	156	148		151	142		147				142			138													
100	-	147	139		142	134		138	130			133			130						125						107	
105	-	139	131		134	126		130	122			126	118								118						107	
110	-	131	124		127	119		123	116			119	111								111	101					105	
115	-	124	117		120	113		116	109			112	105								109	97.5					99.8	
120	-	118	111		113	107		110	103			106	99.1								103	96.2					94	87
125	-	112	105		107	101		104	97.7			100	93.7								97.6	90.8					88.7	81.9
130	-	107	100		102	95.7		99.1	92.6			95.2	88.7								92.4	85.9					83.8	77.2
135	-	102	95.3		97.2	91		94.3	88			90.4	84.2								87.8	81.5					79.3	72.9
140	-	96.8	90.7	64.2	92.5	86.5	60	89.6	83.6			85.9	79.8								83.3	77.2					79.4	73.3
145	-	88	82.3	60.4	83.9	78.2	56.3	81.1	75.4			77.5	71.8								75.1	69.3					71.3	65.5
150	-	80.2	74.8	54.1	76.2	70.8	50.1	73.5	68.1	47.3		70.1	64.7								67.7	62.2					64	58.6
155	-	73.4	68.2	48.5	69.4	64.3	44.6	66.8	61.7	41.8		63.5	58.3	38							61.1	55.9	35.5				57.6	52.4
160	-	67.4	62.5	43.6	63.5	58.6	39.8	60.9	56	37.1		57.6	52.7	33.7							55.3	50.4	31.3				51.9	46.9
165	-	64	59.3	40.2	61	56.1	37.1	58.8	53.7	34.2		56.1	51.2	30.2							53.1	48.2	29.2				50	45.1
170	-	62	57.3	39.2	58.2	53.4	35.4	55.5	50.8	32.8		52.3	47.6	29.5							50.1	45.3	27.1				46.7	41.9
175	-	64	59.3	40.2	61	56.1	37.1	58.8	53.7	34.2		56.1	51.2	30.2							53.1	48.2	29.2				50	45.1
180	-	62	57.3	39.2	58.2	53.4	35.4	55.5	50.8	32.8		52.3	47.6	29.5							50.1	45.3	27.1				46.7	41.9
185	-	64	59.3	40.2	61	56.1	37.1	58.8	53.7	34.2		56.1	51.2	30.2							53.1	48.2	29.2				50	45.1
190	-	62	57.3	39.2	58.2	53.4	35.4	55.5	50.8	32.8		52.3	47.6	29.5							50.1	45.3	27.1				46.7	41.9
195	-	64	59.3	40.2	61	56.1	37.1	58.8	53.7	34.2		56.1	51.2	30.2							53.1	48.2	29.2				50	45.1
200	-	57.1	52.6	35.1	53.3	48.8	31.4	50.7	46.2	28.8		47.5	43	25.6							45.2	40.7	23.2				41.9	37.4
205	-	144	159	208	152	166	203	147	162	182		137	145	155							119	125	131				104	109
210	-	143	159	207	151	165	204	145	164	187		138	144	157							120	127	133				105	110
215	-	144	159	208	154	165	199	151	165	186		139	147	157							121	127	133				105	110
220	-			31.5	12.4	48.9	44.5	27.8	46.2	41.8	25.2		43.1	38.8	22						40.8	36.5	19.7				37.5	33.2
225	-	191	221	138	151	189	193	138	152	175		131	142	154							116	123	130				102	107
230	-	191	240	138	150	189	197	142	153	185		133	140	156							117	125	132				103	108
235	-	192	225	138	150	186	197	142	153	182		133	144	157							118	125	132				103	108

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 197



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

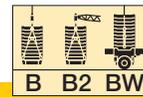
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ft		HS 197																											
		W 79				W 98				W 118				W 138				W 157				W 177							
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°				
45	- B B2 BW	385 630 638 640																											
50	- B B2 BW	356 609 618 619																											
55	- B B2 BW	324 583 593 594				312 531 538 539				281 471 477 478																			
60	- B B2 BW	296 558 567 569	282 609 624 626			286 512 519 520	272 553 564 565			276 462 467 468				269 409 411 413															
65	- B B2 BW	273 533 544 545	260 583 600 602			263 491 498 501	250 534 548 548			255 450 455 456	240 478 484 485			248 401 404 405				238 351 353 354											
70	- B B2 BW	253 509 521 521	241 559 577 578			244 472 480 482	232 516 529 530			237 433 441 441	224 469 477 477			231 392 397 398				223 345 348 349											
75	- B B2 BW	236 486 498 498	224 537 554 555			227 454 463 464	216 497 510 512			220 420 426 428	209 457 467 467			215 384 388 389	203 406 411 413			208 339 343 343							204 301 302 303				
80	- B B2 BW	220 464 475 475	209 515 532 532			212 436 445 446	201 479 493 494			205 405 412 413	194 442 454 454			200 374 379 380	190 400			194 334 337 338	183 352 355 355						190 297 298 299				
85	- B B2 BW	206 440 453 452	196 490 507 511			199 418 428 428	188 462 476 477			192 391 398 400	182 429 439 441			188 362 367 369	177 393 399 400			181 328 331 331	171 346 350 351						178 292 294 295	167 305 307 308			
90	- B B2 BW	194 421 431 433	184 466 483 492			187 400 410 411	177 445 460 459			181 378 385 386	171 414 425 426			176 351 357 358	167 382 390 391			171 319 324 325	161 341 345 346						167 287 290 290	158 302 304 305			
95	- B B2 BW	173 444 460 470	137 555 594 573			176 383 393 393	166 428 444 443			170 363 372 373	161 401 412 413			166 340 346 347	157 373 380 382			161 312 317 318	151 335 340 341						158 281 284 284	148 297 300 301			
100	- B B2 BW	129 534 572 546	137 555 594 573			166 367 375 376	157 413 427 427			161 349 357 358	151 388 400 400			157 330 336 337	148 362 370 372			151 304 309 311	142 328 335 335						149 275 278 278	140 291 295 296			
105	- B B2 BW	122 511 547 520	137 555 594 573			157 350 358 358	148 396 410 409	116 498 533 512		152 335 343 344	143 376 387 388			148 319 325 326	140 350 360 361			143 296 301 302	134 322 330 330						140 269 272 272	132 286 290 290			
110	- B B2 BW	115 488 523 498	137 555 594 573			150 337 340 341	141 377 389 389	109 479 514 491		144 323 330 330	136 364 375 376	102 446 480 470			141 308 314 315	132 340 350 351			135 288 293 294	127 315 322 323						133 262 265 266	125 280 284 284		
115	- B B2 BW	109 467 501 477	137 555 594 573			134 355 360 362	103 460 494 470			137 310 317 317	129 351 363 363	98.1 438 474 459			133 296 303 304	125 330 340 341			128 279 284 286	120 308 315 316						126 256 259 259	118 275 278 278		
120	- B B2 BW	103 448 480 456	137 555 594 573			97.4 442 474 450	103 460 494 470			130 297 304 304	122 338 349 351	92.7 425 462 443			127 286 292 293	119 321 331 332	89.8 394 410 411			122 271 276 277	114 300 307 308						120 250 253 253	112 269 272 272	
125	- B B2 BW	94.1 383	137 555 594 573			92.2 424 455 432	103 460 494 470			124 285 289 290	116 325 336 338	87.6 412 447 427			121 275 282 283	113 312 322 322	84.9 386 409 409			116 262 267 268	108 292 299 300						114 244 247 247	106 262 266 266	
130	- B B2 BW	89.6 367	137 555 594 573			87.5 408 438 415	103 460 494 470			119 271 271 273	111 307 313 315	83 399 431 411			115 265 271 272	108 303 311 312	80.4 377 406 402			110 253 258 259	103 283 292 292						108 237 241 241	101 256 260 260	
135	- B B2 BW		137 555 594 573			83.3 391 415 397	103 460 494 470				78.9 386 415 396			110 255 261 261	103 292 299 300	76.3 368 398 391			105 244 250 251	98.4 276 284 284						104 231 235 235	96.6 250 254 254		
140	- B B2 BW		137 555 594 573			52.7 351 378 357	79.3 374 390 379				74.9 373 398 381			105 246 251 250	98.4 281 287 288	72.4 358 389 377			101 236 242 242	93.8 268 276 276						98.8 225 229 230	92 244 247 248	66.2 282 288 289	
150	- B B2 BW		137 555 594 573			49.6 337 364 343	79.3 374 390 379				67.7 347 359 351				90.2 252 254 255	65.3 338 359 350			91.9 219 224 224	85.4 251 256 256						90.2 212 217 217	83.8 232 235 235	59.4 275 281 282	

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 197



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

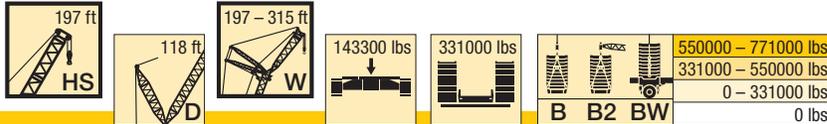
ft	-	HS 197																													
		W 79				W 98				W 118				W 138				W 157				W 177									
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°						
160	B B2 BW								39.4				56.9	28.2				59.1				84.3	78.1	54.8				82.5	76.4	53.3	
									310				312	194				317				201	232	290				199	220	266	
									335				311					323				203	232	309				204	223	271	
									316				312					321				203	232	313				204	223	273	
170	B B2 BW								34.9				51.9	30.9				53.6	28.4				77.8	71.7	49.3				75.7	69.9	47.9
									291				249	285				288	283				177	203	271				186	208	256
									314				252	309				288	306				176	202	286				189	210	257
									295				248	291				288	288				178	202	288				190	211	263
180	B B2 BW								31				27.1					49	25						44.6				70	64.3	43.2
									273				270					254	267						253				173	191	243
									296				292					254	290						260				173	192	240
									278				274					256	272						261				174	192	248
190	B B2 BW												23.7						21.6						40.3	17.4				59.3	38.9
													254						252						232	248				170	228
													275						273						233	269				170	225
													258						256						234	252				170	232
200	B B2 BW																		18.6						36.6	14.4				35	13.1
																			238						203	234				214	232
																			258						202	254				211	249
																			242						203	238				215	237
210	B B2 BW																								11.7				31.6	10.4	
																			224						221				199	219	
																			244						240				197	238	
																			229						224				199	223	
220	B B2 BW																								9.3				28.5	8.1	
																			213						209				175	208	
																			230						228				174	226	
																			216						213				176	212	
230	B B2 BW																												199	197	
																													215	215	
																													202	201	
240	B B2 BW																													187	
																														203	
																														191	
250	B B2 BW																													177	
																														189	
																														181	
260	B B2 BW																													160	
																														162	
																														161	

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 197

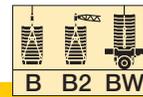


H

ft		HS 197																												
		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
75	-	185																												
	B	262																												
	B2	264																												
	BW	264																												
80	-	182				178																								
	B	260				228																								
	B2	261				228																								
	BW	261				228																								
85	-	171				167				160																				
	B	256	264			225				195				166																
	B2	258	266			226				195				167																
	BW	258	266			226				195				167																
90	-	160	147			157				151				142																
	B	253	262			222				193				165																
	B2	254	264			224				194				166																
	BW	255	264			224				194				166																
95	-	151	142			148	138			142				137			133													
	B	249	260			220	227			191				164			142													
	B2	251	262			221	228			192				164			143													
	BW	252	262			221	228			192				164			143													
100	-	142	133			139	130			133	124			129			125				120									
	B	245	257			217	225			189	194			162			141				122									
	B2	248	260			217	226			190	195			163			141				122									
	BW	248	260			218	226			190	195			163			141				122									
105	-	134	126			131	123			126	117			121	112		118				113					101				
	B	242	255			214	222			187	193			160	164		140				120					101				
	B2	244	257			215	224			188	193			161	165		140				120					101				
	BW	244	257			215	224			188	194			161	165		140				120					101				
110	-	127	119			124	116			119	110			114	106		111	101			107					99				
	B	238	251			210	220			185	191			158	163		138	141			119					99.2				
	B2	241	254			212	221			185	192			159	164		139	141			119	121				99.3				
	BW	241	255			212	221			186	192			160	164		139	141			119	121				99.4				
115	-	120	112			118	110			112	104			108	100		105	97			101					95.3				
	B	235	248			207	217			182	189			157	161		136	140			118					98				
	B2	238	251			209	219			183	190			158	162		137	140			118	120				98.2				
	BW	238	252			209	219			183	190			158	162		137	140			118	120				98.3				
120	-	114	106			111	104			106	98.5			102	94.4		99.3	91.5			95.1	87.3				90.3	82.4			
	B	231	245			203	214			179	187			155	160		135	139			117	119				96.9	98.7			
	B2	234	248			206	216			181	188			156	161		136	139			117	119				97.2	98.6			
	BW	234	249			206	217			181	189			156	161		136	139			117	119				97.2	98.7			
125	-	108	101			106	98.3			101	93.2			96.6	89.1		93.9	86.4			89.8	82.2				85.1	77.5			
	B	226	242			200	211			177	185			153	159		133	137			116	118				95.8	97.9			
	B2	228	245			203	213			178	187			154	159		134	138			116	118				96.1	97.7			
	BW	230	246			203	214			179	187			154	160		134	138			116	119				96.2	97.8			
130	-	103	95.6			100	93.3			95.5	88.3			91.6	84.3		89	81.7			84.9	77.6				80.3	72.9			
	B	222	238			197	208			175	183			152	157		132	136			114	117				94.8	96.8			
	B2	224	242			199	211			176	185			152	158		133	137			115	117				95	96.8			
	BW	225	242			200	211			177	185			152	158		133	137			115	118				95.1	96.8			
135	-	98	91			95.7	88.8			90.8	83.8			87	80		84.5	77.4			80.5	73.4				75.9	68.8			
	B	216	234			194	205			172	181			150	156		131	135			114	117				93.7	95.8			
	B2	220	239			196	208			174	183			150	156		131	135			114	117				93.9	95.8			
	BW	220	239			197	208			174	183			151	157		131	135			114	117				93.9	95.9			
140	-	93.3	86.5	57.3		91.1	84.4			86.3	79.5			82.6	75.8		80.1	73.2			76.2	69.3				71.7	64.8			
	B	211	231	247		191	202			170	179			148	154		129	134			112	115				92.7	94.9			
	B2	215	235	252		193	205			171	180			149	155		130	134			112	116				92.7	94.9			
	BW	215	236	252		194	206			172	181			149	155		130	134			112	116				92.8	95			
150	-	84.8	78.4	53.8		82.7	76.3			78.1	71.6			74.5	68		72.1	65.6			68.3	61.8				64	57.5			
	B	200	222	247		184	197			165	174			144	151		126	131			109	113				90.3	92.9			
	B2	204	227	254		186	200			167	176			145	152		127	132			110	114				90.5	93.1			
	BW	205	228	254		187	200			167	177			146	152		127	132			110	114				90.6	93.2			
160	-	77.3	71.2	47.8		75.2	69.2	45.9		70.7	64.6	41.1		67.2	61.1		64.9	58.8			61.3	55.2				57.1	50.8			
	B	189	213	247		177	191	208		160	170	177		141	148		123	128			107	111				87.9	90.9			
	B2	192	218	254		179	194	211		162	172	179		142	149		124	129			107	112				88.2	91.2			
	BW	194	219	254		180	195	212		162	172	179		142	149		124	129			108	112				88.3	91.3			
170	-	70.6	64.8	42.6		68.6	62.8	40.7		64.1	58.3	36		60.8	55	32.2		58.5	52.7			55	49.2			50.9	45			
	B	177	203	246		169	185	206		154	166	176		138	145	148		120	126			104	109				85.6	88.8		
	B2	182	209	253		172	189	210		156	168	179		139	146	150		121	127			105	110				86	89		
	BW	183	210	254		173	189	211		157	168	180		139	146	150		121	127			105	110				86	89.3		
180	-	64.8																												

HSDWB/B2/BW

HS 197



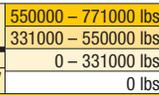
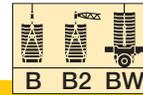
550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

ft		HS 197																													
		W 197				W 217				W 236				W 256				W 276				W 295				W 315					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
220	- B B2 BW			23.5		44.5	39.7	21.7		40.2	35.5	17.4		37.1	32.4	14.3		34.9	30.2	12		31.7	27	8.7		27.9	23.1				
		184	202		123	140	183	172	120	140	167		114	129	145		104	113	123		93.3	98.6	104		72	76.4	81.9				
		184	220		125	140	181	185	122	142	171		116	132	148		106	114	125		94.2	99.7	105		72.9	77.4	82.8				
		184	207		125	140	183	176	123	142	171		117	132	148		106	114	125		94.5	99.8	105		72.9	77.6	82.8				
230	- B B2 BW			20.8		36.4	18.9			36.7	32.1	14.6		33.6	29.1	11.5		31.4	26.8	9.3		28.2	23.6			24.4	19.8				
		167	192		124	171	181	112	130	162		107	125	144		99.8	110	122		90.4	96.8	103		69.8	74.2	80.5					
		167	210		123	170	189	114	131	163		109	128	146		101	112	124		91.5	98	105		70.6	75.2	81.5					
		167	197		123	170	186	115	131	163		110	128	146		102	112	124		92	98.2	105		70.8	75.5	81.5					
240	- B B2 BW					16.3				33.6	29	12.1		30.4	26	9		28.1	23.7			24.9	20.5			21.1	16.7				
		144	182			158	178	102	118	154	154		100	119	142	127		95.1	108	121		86.8	95	103		67.6	72.1	78.8			
		145	199			158	189	104	118	154	158		102	122	143	130		97.1	110	123		88.3	96	104		68.4	73	79.9			
		144	187			158	183	104	118	155	158		103	122	143	130		97.3	110	124		89.2	96.5	104		68.6	73.4	80			
250	- B B2 BW					13.9				9.7				27.5	23.1			25	20.8			21.9	17.6			18.1	13.9				
		172				144	171			145	156		93.6	111	139	130		90.2	106	120	103	83	93.4	102		65.7	70	77.3			
		186				144	185			145	161		95.7	112	139	132		92.4	108	122	104	84.9	93.8	104		66.3	71	78.4			
		177				144	175			145	161		96.4	113	138	133		92.6	108	123	105	86.2	94.9	104		66.6	71.3	78.6			
260	- B B2 BW					11.8				7.6				24.9	20.6			22.3	18.1			19.1	15			15.4	11.3				
		164				128	162			134	154		87.4	101	132	133		84.1	102	118	105	79.2	92.3	101	85.5	64	68.3	76.2			
		173				128	173			134	160		89	101	132	135		86.1	103	121	107	81.4	91.4	103	86.6	64.3	69.3	77.3			
		169				128	167			134	159		89.1	102	131	135		86.5	104	121	107	83.1	93.7	103	86.6	64.9	69.4	77.4			
270	- B B2 BW					15.6				12.2	14.9			18.4				19.7	15.7			16.6	12.6			12.9	8.9				
		160				161				122	155			88.9	124	134		77.9	95.1	115	107	74.4	90.3	101	87.3	62.3	66.7	75			
		158				158				122	153			88.8	124	137		79.9	95.9	118	109	76.6	88.5	103	88.6	62.3	67.6	76.2			
										122	153			89.3	124	137		80.7	96.3	118	109	78.1	91.7	103	88.7	63.1	67.7	76.2			
280	- B B2 BW									14.6								17.4	13.4			14.2	10.3			10.5					
										106	142			115	134			70.9	87.3	110	109	69.3	86.3	99.7	88.9	60.2	65.1	73.8	64.6		
										106	147			115	137			72.5	87.2	113	111	71.2	84.5	102	90.3	59.9	66	75.1	65.5		
										107	145			115	137			73.6	87.5	113	111	72.3	87.4	102	90.4	61.2	66	75.1	65.7		
290	- B B2 BW									13.7												12.1				12.9					
										138												64.6	80	97.7	90.3	57.7	63.5	72.6	65.3		
										138												65.9	79.2	99.3	91.9	56.9	64.4	73.9	66.3		
										138												66.4	80.6	99.6	92	58.9	64.4	74	66.4		
300	- B B2 BW									11.8												10.1				10.5					
										118												59.9	73.6	94.4	91.7	54.9	62.1	71.4	65.8		
										120												99.7	113	61	73.7	95.4	93.4	53.6	63.1	72.6	66.9
										118												99.8	113	61.3	74.1	95.6	93.4	56.4	63.2	72.9	67
310	- B B2 BW																														
320	- B B2 BW																														
330	- B B2 BW																														
340	- B B2 BW																														
350	- B B2 BW																														
360	- B B2 BW																														
370	- B B2 BW																														
380	- B B2 BW																														
390	- B B2 BW																														

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 217



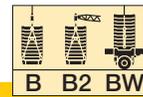
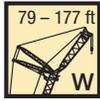
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ft		HS 217																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
45	- B B2 BW	370 561 568 570																								
50	- B B2 BW	343 544 552 553																								
55	- B B2 BW	312 524 532 532				301 474 481 482																				
60	- B B2 BW	286 503 511 511	271 548			276 459 465 466				268 416 421 422				372 375 375												
65	- B B2 BW	264 480 490 491	250 529 540 542			255 443 449 450	238 481 488 490			247 403 409 410	432 438 439			239 366 368 369				229 320 322 322								
70	- B B2 BW	245 462 469 471	232 507			237 427 434 435	223 467 476 477			229 391 397 397	209 423 429 431			224 356 360 361				215 315 317 318								
75	- B B2 BW	229 443 450 452	216 487 501 501			221 411 417 418	208 450 461 461			214 379 384 385	201 412 419 420			209 347 352 352	196 370 375 376			200 310 312 313						196 275 277 277		
80	- B B2 BW	214 424 431 434	201 468 480 482			206 395 401 403	194 434 446 446			200 366 372 373	188 400 408 409			195 337 342 342	183 364 369 370			187 303 307 308	175 321 324 324					183 271 273 273		
85	- B B2 BW	200 404 412 414	188 449 463 465			193 380 387 389	181 420 430 431			187 353 360 361	176 389 396 397			183 328 333 333	171 356 361 363			175 297 301 302	164 317 320 320					172 268 269 269	160 279 281 282	
90	- B B2 BW	189 387 395 396	177 433 447 448			182 365 372 374	171 406 415 417			176 342 347 349	165 375 384 386			172 319 324 324	161 347 353 354			164 290 294 295	154 310 315 316					161 263 265 265	151 277 279 279	
95	- B B2 BW	167 417 431 432	160 511 549 531			171 351 358 359	161 391 401 403			166 331 335 337	155 364 373 374			162 308 314 315	152 338 344 345			155 283 287 287	144 305 310 311					152 257 260 261	142 273 276 276	
100	- B B2 BW	151 402 415 416	120 511 549 531			162 337 343 344	152 377 388 389			156 319 324 325	146 353 362 362			153 299 304 305	143 329 336 336			146 276 280 280	136 299 304 305					143 252 255 256	134 269 272 273	
105	- B B2 BW	113 495 532 510	113 532 510			153 323 328 330	143 363 375 376	107 461 491 487		148 307 312 314	138 341 349 351			145 290 294 296	135 318 327 327			138 268 273 272	128 293 298 298					136 247 250 251	126 265 268 269	
110	- B B2 BW	106 476 512 488	106 476 512 488			146 311 317 318	136 351 362 363	101 447 482 474		140 295 301 302	131 331 339 340	410		137 281 285 286	128 310 318 318			131 260 265 265	121 286 318 292					128 242 245 245	119 260 263 264	
115	- B B2 BW	101 457 491 467	101 457 491 467			129 339 350 351	95.3 434 473 458			133 284 289 290	124 320 329 330	90.7 403 422 422		130 272 276 278	122 301 308 310			124 252 257 258	115 278 284 284					122 236 240 240	113 255 258 259	
120	- B B2 BW	95.2 439 471 448	95.2 439 471 448			123 323 330 331	90 421 460 441			127 273 278 279	118 309 319 320	85.6 394 416 416		124 262 267 268	115 293 299 301			118 245 249 251	109 271 277 278					116 230 234 234	107 250 253 253	
125	- B B2 BW	86.7 377	86.7 377			85.1 408 446 424	85.1 408 446 424			121 263 268 270	112 299 309 310	80.8 383 409 410		118 253 257 258	110 285 291 293	78.3 353 365 366		112 238 242 243	103 264 270 271					110 224 228 228	102 244 248 248	
130	- B B2 BW	82.2 362	82.2 362			80.7 395 429 408	80.7 395 429 408			116 254 259 261	107 289 298 299	76.5 374 402 399		113 244 248 249	105 276 283 285	74.1 348 362 361		106 231 235 236	98.3 257 263 264	66.7 307 316 316				105 218 221 222	96.6 239 243 243	
135	- B B2 BW	76.7 382 413 393	76.7 382 413 393			76.7 382 413 393	76.7 382 413 393			103 272 278 280	72.6 363 394 386			108 235 240 241	99.9 267 275 276	70.3 341 356 357		102 223 227 228	93.7 250 256 257	64 305 314 315				99.8 212 215 217	92 233 237 238	
140	- B B2 BW	43.4 342 370 349	43.4 342 370 349			43.4 342 370 349	43.4 342 370 349			98.3 255 255 258	68.8 353 385 373			103 228 232 233	95.4 258 267 268	66.6 333 350 352		96.9 215 220 221	89.3 244 249 251	60.5 302 311 312				95.2 206 209 211	87.7 228 232 233	55.8 261 268 268
150	- B B2 BW	40.5 330 356 336	40.5 330 356 336			40.5 330 356 336	40.5 330 356 336			62 333 363 349				87.3 242 249 250	60 317 332 339			88.5 201 206 206	81.2 230 236 237	54 293 305 305				86.8 194 197 199	79.7 218 220 223	52.5 258 265 265

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 217



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

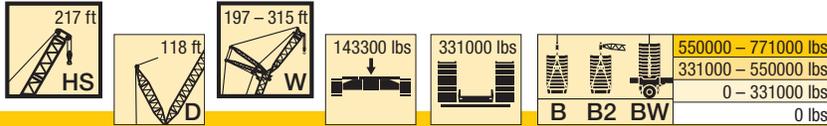
ft		HS 217																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
160	- B B2 BW			35.6				31.1				56				54				81.1	74.1	48.2		79.4	72.6	46.8
				308				303				312				301				188	216	280		182	207	252
				333				328				333				310				192	221	295		185	207	259
				313				309				322				322				192	223	297		186	213	259
170	- B B2 BW			31.1				27				50.7	23			48.8				74.7	67.9	43		72.8	66.3	41.8
				287				284				286	278			285				176	201	265		170	196	244
				311				307				289	303			291				177	203	284		174	193	251
				292				289				287	284			300				178	203	287		175	203	251
180	- B B2 BW							23.4					19.8			44.3					62.9	38.6		67.2	60.9	37.4
								267				263				266				166	248		161	184	235	
								289				285				268				167	267		164	180	241	
								271				268				271				167	269		164	190	242	
190	- B B2 BW											16.6				14.8					34.6			56.1	33.3	
												248				246					232			171	226	
												269				267					246			167	229	
												252				251					245			173	230	
200	- B B2 BW												12.1			12.1					31			29.7		
												234				232					214	227		215		
												254				252					220	247		216		
												238				236					218	231		217		
210	- B B2 BW																				219			26.4		
																					238			203	212	
																					223			205	232	
																							206	217		
220	- B B2 BW																				208			23.5		
																					226			183	201	
																					212			185	220	
																					207			185	206	
230	- B B2 BW																						192	190		
																							210	209		
																							196	195		
240	- B B2 BW																						182	180		
																							200	199		
																							187	185		
250	- B B2 BW																							171		
																							189			
																							176			
260	- B B2 BW																							163		
																							181			
																							167			

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 217

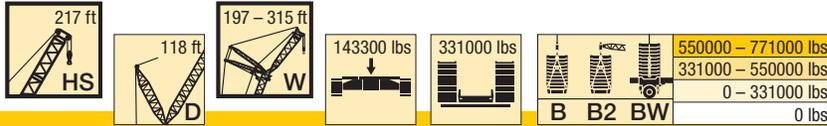


H

ft		HS 217																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
80	-	176				172																							
	B	238				210																							
	B2	239				210																							
	BW	240				210																							
85	-	164				161				154																			
	B	235				207				181																			
	B2	237				208				181																			
	BW	237				209				181																			
90	-	155				151				145																			
	B	232				205				179																			
	B2	233				206				179																			
	BW	234				206				180																			
95	-	145	135			142				136				134								128							
	B	229	239			202				177				154								133							
	B2	230	241			204				178				154								133							
	BW	231	241			204				178				154								133							
100	-	137	127			134	124			128	111			126							120								
	B	226	237			200	208			175	181			152							131			112					
	B2	227	238			201	209			176	181			153							132			113					
	BW	228	239			201	209			176	181			153							132			113					
105	-	129	120			126	117			121	111			119	109						113			109				94.2	
	B	222	234			197	207			173	179			151	155						130			112				94.2	
	B2	224	236			198	207			174	180			151	155						130			112				94.2	
	BW	224	236			199	207			174	180			151	155						131			112				94.2	
110	-	122	113			120	110			114	105			112	103						107	95.7		102				92.8	
	B	218	232			194	204			171	177			149	154						129	131		111				93	
	B2	220	234			196	205			172	178			150	154						129	131		111				93.1	
	BW	221	234			196	205			172	178			150	154						129	132		111				93.3	
115	-	116	107			113	104			108	99			106	97.3						101	91.9		96.6				90.2	
	B	214	228			191	201			169	176			147	152						128	131		110				92	
	B2	217	231			193	203			170	176			148	153						128	131		110				92.2	
	BW	218	231			193	203			170	177			148	153						128	131		110				92.3	
120	-	110	101			107	98.8			102	93.6			101	91.9						95.4	86.7		91.1	82.4			86.3	
	B	211	225			189	199			167	174			146	151						126	130		109	111			91	
	B2	214	228			190	200			167	175			147	151						127	130		109	112			91.2	
	BW	214	228			191	201			168	175			147	151						127	130		109	112			91.3	
125	-	104	95.8			102	93.6			96.7	88.4			95.2	86.8						90.2	81.7		86	77.6			81.3	72.8
	B	206	222			186	196			164	172			144	150						125	129		108	111			89.9	92.1
	B2	209	225			187	198			165	173			145	150						125	129		108	111			90.2	91.9
	BW	209	225			188	198			165	173			145	150						126	129		108	111			90.3	92
130	-	98.9	90.9			96.7	88.7			91.8	83.7			90.3	82.2						85.4	77.2		81.3	73.2			76.7	68.5
	B	202	219			183	193			162	170			143	148						123	128		107	110			89	91.1
	B2	205	222			184	195			163	172			143	149						124	128		107	110			89.2	91.1
	BW	205	222			185	196			163	171			144	149						124	128		107	110			89.3	91.3
135	-	94.3	86.5			92.1	84.4			87.2	79.4			85.8	78						81	73.1		77	69.1			72.5	64.5
	B	197	215			180	190			159	168			141	147						122	126		105	109			88	90.2
	B2	200	218			182	193			161	170			142	148						123	127		106	109			88.2	90.3
	BW	200	218			182	193			161	170			142	148						123	127		106	109			88.2	90.4
140	-	89.8	82.2	50.1		87.7	80.1			82.9	75.3			81.5	73.9						76.8	69.1		72.9	65.2			68.4	60.7
	B	191	210	226		177	188			157	167			140	146						120	125		104	108			87	89.3
	B2	195	214	231		179	190			159	168			140	146						121	126		105	108			87.2	89.5
	BW	195	214	231		179	191			159	168			140	146						121	126		105	108			87.2	89.6
150	-	81.5	74.3	46.9		79.5	72.4			74.9	67.7			73.6	66.5						69	61.8		65.3	58			60.9	53.6
	B	182	201	227		170	183			153	162			136	143						117	123		102	106			84.4	87.5
	B2	185	206	232		172	186			154	164			137	144						118	123		103	106			84.8	87.8
	BW	186	206	233		172	186			154	164			137	144						118	124		103	106			84.8	87.8
160	-	74.2	67.4	41.3		72.2	65.5	39.5		67.7	60.9			66.6	59.8						62	55.2		58.4	51.5			54.2	47.3
	B	172	193	227		162	178	193		148	158			133	140						114	120		99.5	104			81.6	85.6
	B2	175	197	233		164	180	196		150	160			134	141						115	121		100	104			82.3	85.9
	BW	176	198	233		165	181	196		150	160			134	141						115	121		100	104			82.2	85.8
170	-	67.7	61.2	36.4		65.8	59.3	34.7		61.3	54.9	29.6		60.3	53.8	28.5					55.8	49.3		52.3	45.8			48.2	41.6
	B	162	185	224		154	171	192		142	154	164		130	137	140					111	117		97.3	102			79	83.3
	B2	165	187	231		157	175	196		144	156	167		131	138	147					112	118		97.7	102			79.6	83.5
	BW	166	190	231		158	175	196		144	156	167		132	139	142					113	119		98	103			79.6	83.6
180	-	62	55.8	32.1		60.1	54	30.4		55.7	49.6	25.8		54.7	48.6	24.7					50.4	44.2		46.9	40.7			42.8	36.6
	B	152	176	220		146	165	190		136	149	164		125	134	140					108	115		94.9	99.9			76.6	80.9
	B2	155	175	227		149	169	195		138	152	167		127	136	142					109	116		95.6	101			77	81.1
	BW	156	181	228		150	169	195																					

HSDWB/B2/BW

HS 217

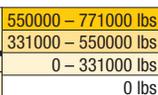
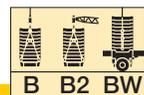


ft		HS 217																															
		W 197				W 217				W 236				W 256				W 276				W 295				W 315							
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°				
230	- B B2 BW		16 174 175	183 203 190		33.8 124 123 125	14.2 173 175 173	167 167 173	34.6 102 104 105	29.5 122 121 126	10 156 157 160		33.5 99.4 101 101	28.5 116 118 120	9 137 140 140		29.4 92.1 93.3 93.9	24.3 103 104 104	114 116 117		26.2 84 85 85.1	21.1 90.4 91.6 91.7	96.8 96.8 98.4 98.4	22.4 65.3 65.9 66.2	17.3 69.6 70.5 70.5	75 76 76 76							
240	- B B2 BW		157 156 157	175 194 180			11.8 163 164 164	166 166 174	31.5 95.7 96.8 98.2	26.5 115 114 117	153 141 151 145	141 145	30.3 93.5 94.7 95.3	25.4 111 112 115	136 136 139 140		26.2 87.4 88.9 89.5	21.3 99.8 101 102	113 113 116 116		23 80.5 81.4 81.8	18.1 88.7 89.9 90.2	96.5 96.5 98 98.1	19.2 63.3 63.9 64.1	14.3 67.5 68.6 68.5	74 75.2 75.3							
250	- B B2 BW			166 185 171			9.5 151 151 151	162 179 169		23.8 106 106 107	148 144 148	144 148	27.3 87.4 88.6 89.4	22.6 105 106 109	121 121 124 124		23.2 82.5 84.3 84.9	18.4 97.3 98.4 100	112 115 115		20.1 76.3 77.5 77.8	15.3 86.8 88.3 88.8	96 96 97.6 97.7	21.2 61.5 62.1 62.2	11.5 65.6 66.6 66.6	73.2 74.4 74.4							
260	- B B2 BW		158 176 163				7.5 135 136 135	155 173 161		21.6 85 85.3	139 143	143	24.7 81.3 82.5 83.4	20 98.9 99.8	124 124 127		77 78.5 79	93.8 94.9 97.1	111 114 115	96 87.5 98.1		17.4 72.1 73.6 73.9	12.8 85.3 86.7 87.6	95.4 97.2 97.3	59.8 60.6 60.6	63.8 64.9 64.9	72.1 73.3 73.4						
270	- B B2 BW		150 167 155					148 166 153			128 127 128	141 153		17.7 91.8 92.1 93.6	129 129 130	126 129 129		71.5 72.7 73.1	88.3 90.4 91.9	110 113 113	98.4 101 100		67.6 69.1 69.6	83.6 85 86.2	94.8 96.8 96.9	58.2 59.1 59.1	62.3 63.4 63.4	70.8 72.2					
280	- B B2 BW		143 154 147					141 157 145			115 115 115	136 151 141						15.8 65.8 66.8 67.2	11.3 82.3 85.1 85.6	109 111 110 110	100 103 103		12.6 63 64.3 65	80.1 81.8 82.9	94.2 96.4 96.4	81.8 83.7 83.8	56.3 57.2 57.1	60.9 62 62	69.7 71.2 71.2	60.8			
290	- B B2 BW							135 147 138			130 143 134								75.5 77.9 77.8	107 107 105	102 105 105			74.5 76.7 60.4	93.4 95.7 77.2	83.7 85.4 85.4	53.5 54.6 54.5	59.6 60.6 60.6	68.7 70.1 70.1	60.8 61.7 61.8			
300	- B B2 BW							128 137 132			124 134 128								61.5 62.3 61.7	103 103 99.5	104 106 106			54.3 68.8 71.5	82.6 92.3 93.3	85.2 88.4 87	50.3 51.5 51.4	58.3 59.4 59.4	67.7 69.1 69	61.4 62.4 62.6			
310	- B B2 BW										118 125 123									117 125 121				95.7 95.7 93.7	104 107 107		63.2 65.6 65.5	91.8 92.3 91.1	86.4 88.4 88.5	46.9 48.3 48.2	57.2 58.2 58.2	66.4 67.8 68	61.9 63 63.2
320	- B B2 BW										112 114 114									111 118 116				86.2 85.9 85.3	104 107 107			87.7 87.8 86.9	87.7 89.8 89.9	43.1 44.5 44.4	55.2 56.4 56.5	65.3 66.7 67.1	62.4 63.5 63.7
330	- B B2 BW																			106 110 110				102 105 105			80.8 80.4 80.6	89 91.3 91.2		50.9 52.3 52.5	64.5 65.8 66.3	62.7 64 64.1	
340	- B B2 BW																			101 104 105				97.2 99.1 99.6			73.4 72.6 73.3	90.5 92.8 92.5		41.1 41 41.5	64 65.3 65.9	63 64.3 64.5	
350	- B B2 BW																						93.2 94.3 94.9				88.1 89.6 89.3			63.8 65 65.6	63.2 64.6 64.8		
360	- B B2 BW																						86.3 86.3 86.7				84.6 85.6 85.1			60 60.4 60.9	63.5 65 65.1		
370	- B B2 BW																										80.4 80.9 80.4				63.9 65.4 65.5		
380	- B B2 BW																										75.1 75.5 75.1				64.3 65.7 65.8		
390	- B B2 BW																														64.5 64.4 65.6		
400	- B B2 BW																														61.1 60.6 61.3		

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 236



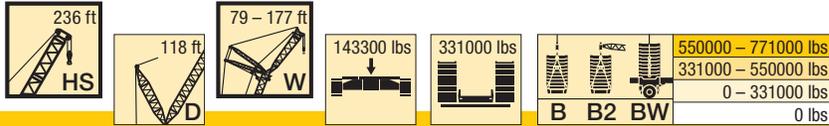
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ft		HS 236																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	- B B2 BW	502 505 508																							
50	- B B2 BW	314 487 492 493																							
55	- B B2 BW	302 469 474 476				291 427 429 430																			
60	- B B2 BW	277 451 457 459	260 494 501 502			267 413 416 417				259 374 376 377															
65	- B B2 BW	256 434 440 441	240 476 484 485			247 398 402 404	229 431 437 437			240 364 366 367			230 326 329 329				222 291 293 293								
70	- B B2 BW	238 417 423 424	223 459 467 469			230 383 389 390	215 418 425 427			223 352 355 357			216 320 322 322				209 286 288 288								
75	- B B2 BW	222 401 408 408	208 442 451 452			214 370 376 376	200 405 412 414			208 340 345 346	194 368 374 374		201 311 314 315				195 281 282 283						189 250 252 252		
80	- B B2 BW	207 383 392 392	194 426 435 436			200 357 363 363	187 392 400 401			194 330 334 335	181 359 365 365		188 303 306 307	175 324 328 329			182 275 276 277	169 290 292 293					177 246 248 248		
85	- B B2 BW	195 367 375 376	182 409 420 420			188 345 350 351	175 380 387 388			182 320 324 325	170 350 355 356		176 295 298 299	164 317 321 322			171 269 270 271	158 285 288 288					165 242 244 244	152 254 256 256	
90	- B B2 BW	183 352 356 360	171 395 405 405			177 331 338 339	165 368 374 376			171 310 314 314	160 339 345 346		166 285 289 291	154 310 314 314			160 262 264 265	149 280 283 283					156 237 239 239	144 250 253 253	
95	- B B2 BW	174 339 338 347	161 381 390 392			167 319 325 326	155 355 362 363			162 300 304 304	150 329 336 336		156 277 281 282	145 303 306 307			151 255 258 259	140 274 278 278					147 232 234 234	135 246 249 249	
100	- B B2 BW		153 367 374 379			158 306 312 314	147 342 351 351			153 290 294 295	142 320 326 327		148 269 273 274	137 295 299 300			143 248 252 252	132 268 272 272					138 228 229 230	127 242 245 245	
105	- B B2 BW		105 457 481 482			149 294 297 301	139 331 339 340			144 279 285 285	134 310 316 317		140 262 265 266	129 287 292 292			135 242 246 246	124 263 266 266					131 223 224 225	120 238 241 241	
110	- B B2 BW		98.8 442 470 470			142 284 283 290	131 321 328 330	91.8 405 419 420		137 269 274 275	127 299 307 308		132 254 258 258	122 280 285 285			128 236 239 240	118 257 260 261					124 217 220 220	114 234 237 237	
115	- B B2 BW		93.3 428 457 455			135 274 269 280	125 310 316 319	88.2 399 414 415		130 259 263 265	120 291 298 298		126 246 251 251	116 272 278 278			121 230 233 233	112 250 254 255					117 212 215 215	108 229 232 232	
120	- B B2 BW		88.2 414 445 439			119 300 302 310	83.3 390 406 406			124 249 252 255	114 282 289 290	79.1 353 365 366	120 237 243 243	110 264 270 271			115 223 226 227	106 245 248 249					111 207 210 210	102 224 227 228	
125	- B B2 BW		83.5 401 432 422				78.7 379 396 398			118 241 241 246	109 274 280 282	74.6 347 359 360	114 229 234 235	105 256 263 263	70.4 311 320 321		109 217 220 220	100 239 243 243					106 202 205 205	96.8 220 222 223	
130	- B B2 BW		79.1 389 415 406				74.5 368 384 388			113 233 231 238	104 266 271 273	70.6 341 353 354	109 221 225 227	99.8 249 256 256	66.5 308 317 318		104 211 214 214	95.5 233 237 237					101 197 200 200	91.9 215 218 219	
135	- B B2 BW						70.8 357 371 378				99.3 257 261 265	66.9 333 346 347	104 214 217 219	95.3 242 249 249	63 304 313 313		99.5 204 208 208	91 227 232 232					96.1 192 195 195	87.6 210 214 214	
140	- B B2 BW						67.1 347 358 368				95 249 250 257	63.4 325 339 340	99.4 207 208 211	90.9 236 242 243	59.5 299 308 309		95 197 201 202	86.7 221 226 226	52.4 266 273 274				91.6 187 190 190	83.4 206 209 210	49 236 242 242
150	- B B2 BW						60.5 328				56.9 306 324 326		91.4 192 191 196	83.1 222 226 229	53.3 288 298 299		86.8 184 187 189	78.9 210 215 216	49.2 262 269 270				83.5 176 179 180	75.7 196 201 201	45.9 234 240 240

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 236



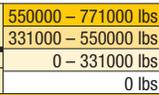
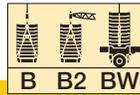
ft		HS 236																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
160	- B B2 BW				28 301 326 306																				
170	- B B2 BW				24 282 305 287				19.7 276 300 282				46.1 268 288 299												
180	- B B2 BW								16.7 261 283 266																
190	- B B2 BW																								
200	- B B2 BW																								
210	- B B2 BW																								
220	- B B2 BW																								
230	- B B2 BW																								
240	- B B2 BW																								
250	- B B2 BW																								
260	- B B2 BW																								
270	- B B2 BW																								

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 236

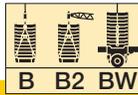


ft		HS 236																													
		W 197				W 217				W 236				W 256				W 276				W 295				W 315					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
80	- B B2 BW	171 219 220 220				192 193 193								148 166 166 166																	
85	- B B2 BW	161 216 217 217				154 190 191 191				148 166 166 166																					
90	- B B2 BW	151 213 214 214				146 188 189 189				139 164 165 165																					
95	- B B2 BW	142 209 211 211	131 219			137 185 187 187				131 163 163 163				129 143 143 143																	
100	- B B2 BW	134 206 207 207	123 216 218 219			129 183 185 185	118 191 192 192			123 161 162 162				121 141 141 142					116 122 122 122				105 105 105 105								
105	- B B2 BW	127 202 203 204	116 213 216 216			122 181 182 182	111 189 190 191			116 159 160 160	106 165 166 166			114 140 140 140	143 144 144					109 121 121 121			104 104 104 104					88 88 88 88			
110	- B B2 BW	120 198 199 200	110 210 213 213			115 178 179 179	105 187 188 189			110 157 158 158	99.6 164 164 164			108 139 139 139	96 143 143 143					103 119 119 120	90.6 122 122 123		98 103 103 103					86.7 86.8 86.9 87.1			
115	- B B2 BW	114 194 196 196	104 207 209 209			109 175 176 176	99.3 184 186 187			104 155 156 156	93.9 162 163 163			102 137 137 138	92.3 142 142 142					96.8 118 118 118	87 122 122 122		92.5 102 102 102					85.2 85.8 85.9 86.2			
120	- B B2 BW	108 190 192 192	98.4 204 206 206			103 172 173 173	93.9 182 184 184			98.1 153 154 154	88.7 161 161 162			96.6 135 136 136	87.1 141 141 141					91.4 117 117 117	81.9 121 121 121		87.2 101 101 101	77.7 103 103 104				82.4 84.8 85 85.2			
125	- B B2 BW	102 186 188 189	93.2 200 202 203			97.9 169 170 170	88.9 180 182 182			92.8 151 151 152	83.7 159 160 160			91.4 134 134 135	82.3 139 140 140					86.4 115 116 116	77.2 120 120 120		82.3 99.9 100 100	73.1 103 103 103				77.6 83.8 84.1 84.2			
130	- B B2 BW	97.3 182 185 185	88.5 196 199 199			93 166 167 167	84.3 177 179 179			88 149 149 149	79.2 157 158 158			86.7 132 133 133	77.8 138 138 139					81.8 114 114 114	72.8 118 119 119		77.7 98.8 99 99.2	68.8 102 102 102				73.1 82.6 82.9 82.9			
135	- B B2 BW	92.7 178 181 181	84.2 193 195 196			88.6 163 164 164	80 174 176 176			83.7 146 147 147	75.1 155 156 156			82.4 131 132 132	73.8 137 137 137					77.5 112 113 113	68.9 117 118 118		73.6 97.7 98 98.1	64.9 101 101 101				69 81.3 81.5 81.6			
140	- B B2 BW	88.3 174 177 177	80 189 192 192			84.2 159 161 161	76 171 173 173			79.4 144 145 145	71.1 153 154 154			78.2 130 130 130	69.9 135 136 136					73.4 111 112 112	65 116 116 117		69.6 96.4 97 97.1	61.1 100 100 100				65.1 80 80.2 80.3			
150	- B B2 BW	80.3 166 169 169	72.5 182 185 185			76.3 153 155 155	68.5 166 167 168			71.7 139 140 140	63.8 148 150 150			70.6 126 127 127	62.7 133 134 134					65.9 108 109 109	58 114 114 114		62.2 94.3 94.9 95.1	54.2 98.5 98.6 98.7				57.8 77.5 77.7 77.9			
160	- B B2 BW	73.1 158 160 160	65.7 174 178 178	37.3 204 209 209		69.3 147 149 149	61.9 160 162 162	33.4 177 181 181		64.7 133 135 135	57.3 144 145 146			63.7 122 123 124	56.2 130 131 131					59.2 105 106 106	51.6 112 112 112		55.5 92.3 92.9 93	48 96.6 96.8 97.1				51.3 75.2 75.5 75.7			
170	- B B2 BW	66.7 149 151 152	59.6 167 171 171	32.6 201 206 206		63 140 142 142	55.9 154 156 157	28.9 177 181 181		58.5 128 130 130	51.4 141 141 141	23.8 151 154 154			57.6 119 120 120	50.5 127 128 128					53.1 103 103 104	46 109 109 110		49.6 90.3 90.6 90.9	42.4 94.9 95.2 95.4				45.5 72.9 73.3 73.6		
180	- B B2 BW	61.1 139 142 143	54.4 159 164 164	28.6 198 202 202		57.5 133 135 135	50.7 148 151 151	24.9 174 179 179		53.1 123 125 125	46.3 135 136 137	20.3 151 154 154			52.2 114 116 116	45.4 123 125 125					47.8 101 101 101	41 107 107 108		44.4 88.4 88.6 88.8	37.5 92.9 93.5 93.6				40.3 70.7 71.2 71.4		
190	- B B2 BW	56.1 131 133 135	49.6 152 157 157	24.9 192 197 198		52.4 125 128 128	46 142 145 145	21.3 172 176 176		48.1 117 119 119	41.7 130 132 133	16.7 150 153 154			47.3 110 112 112	40.8 119 121 121	15.8 130 133 133					43 97.1 98.1 98.4	36.4 104 105 105	11.2 108 109 109					35.6 68.6 69 69.3		
200	- B B2 BW	51.5 124 125 127	45.2 145 149 149	21.5 187 192 192		47.9 118 120 121	41.7 136 140 140	18 168 173 173		43.6 111 113 113	37.4 126 128 128	13.5 148 152 152			42.8 106 107 107	36.5 116 118 118	12.6 130 133 133					38.5 94.5 95.6 95.8	32.3 102 103 103		35.2 83.8 84.5 84.7	28.9 89.3 90 90.1	91.1 91.1 92.2 92.2				31.2 66.4 66.9 67
210	- B B2 BW		41.3 137 141 141	18.4 182 186 187		43.7 111 113 114	37.7 130 134 134	14.9 165 169 169		39.5 104 107 107	33.5 121 123 124	10.5 147 150 150			38.6 101 103 103	32.7 113 114 114					34.4 91.9 93.1 93.4	28.4 98.8 100 100		31.1 81.4 82.3 82.4	25.1 87.6 88.3 88.4					27.2 64.3 64.7 64.8	
220	- B B2 BW		38 124 126 127	15.7 177 182 182	174 179 188		40.1 104 105 107	12.3 124 128 127		35.8 98.4 101 101	30.1 116 119 119	7.9 144 147 148			34.9 95.7 97.6 97.7	29.2 109 111 111					30.8 88.2 89.6 89.9	25 96.6 97.9 98.2		27.5 79.1 80.1 80.2	21.8 85.6 86.5 86.8	90.8 90.8 92.2 92.3				23.7 62.3 62.8 63	

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 236



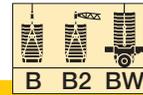
550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

ft	HS 236																															
	W 197				W 217				W 236				W 256				W 276				W 295				W 315							
	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°				
230	-	-	13.1		37	31.1	9.8		32.5	26.9			31.5	26			27.4	21.8			24.2	18.6			20.4	14.8			-	-	-	-
	B	B2	171	171	95.4	117	157		92.7	110	141		90.4	105	127		83.7	94.2	106		76.4	83.8	90.5		60.5	64.8	69.9					
	BW	BW	177	190	96.3	120	161		95.2	114	144		92.4	107	130		85.4	95.6	108		77.4	84.8	92.1		61	65.5	71					
			176	184	97.4	121	161		95.3	114	145		92.6	107	130		85.6	95.9	108		77.5	85.2	92.2		61.2	65.6	71.1					
240	-	-	10.8						29.5	24			28.4	23			24.3	18.9			21.1	15.7			17.3	11.9			-	-	-	-
	B	B2	162	167					154	152	137		84.9	100	125		78.8	91.4	105		73.1	81.8	90.1		58.6	63.1	69.1					
	BW	BW	167	188					158	161	141		86.9	103	128		80.7	93.2	108		74.2	83.2	91.8		59.2	63.8	70.3					
			166	176					158	160	141		87.1	103	128		80.8	93.5	108		74.2	83.4	91.9		59.4	64	70.4					
250	-	-							21.4				25.5	20.3			21.3	16.1			18.2	13			14.4				-	-	-	-
	B	B2							97.9	134	130		79.1	95.8	122		74	88.5	105		69.2	79.4	89.8		56.8	61.4	68.4					
	BW	BW							101	137	135		80.9	99.1	126		76.1	90.6	107		70.5	81.3	91.4		57.5	62	69.6					
									101	139	135		81.3	99	126		76.1	91	107		70.4	81.3	91.6		57.8	62.3	69.6					
260	-	-							19.1				22.9	17.8			18.7	13.7			15.6	10.6			11.8				-	-	-	-
	B	B2							87.1	132	131		73.6	90.5	120	113	69.4	85.2	104	87.8	65.4	76.9	89.3		55.4	59.6	67.2					
	BW	BW							88.7	132	138		75.3	93.6	123	110	71.2	87.7	106	82.1	66.8	79.1	90.9		56.1	60.4	68.7					
									88.9	136	138		75.6	93.6	123	116	71.1	88.1	106	83.5	66.5	79	91.2		56.3	60.6	68.7					
270	-	-							20.6	15.5			20.6	15.5			16.3	11.4			13.2	8.3			9.4				-	-	-	-
	B	B2							123	141			127	130			67.9	84.7	118	115	64.8	80.4	103	90.1	54	58.2	66.3					
	BW	BW							125	140			125	140			68.7	88.2	120	119	66.2	82.8	105	92	54.6	59	67.7					
									130	138			130	138			69.2	88.1	121	119	66.1	83.2	105	92.2	54.8	59.2	67.7					
280	-	-															14.1	9.2			10.9				7.4				-	-	-	-
	B	B2															60.4	75.1	102	91.9	57.4	71	88.1	73.1	52.1	56.8	65.2					
	BW	BW															61.6	77.4	104	94.1	58.5	73.7	90	74.8	52.7	57.6	66.7					
																	61.5	77.7	104	94.3	58.4	73.6	90.2	74.8	52.9	57.9	66.7					
290	-	-															8.8				6.9				4.4				-	-	-	-
	B	B2															69.4	99.8	93.6		53.3	66.6	87.6	74.9	49.4	55.4	64.3	55.7				
	BW	BW															71.7	102	96.1		54.2	69.2	89.5	76.9	50.1	56.3	65.8	56.8				
																	71.9	102	96.1		54.5	69.2	89.8	76.9	50.3	56.5	65.8	57				
300	-	-															61.5	98.4	95.2		49.4	62.2	86.6	76.6	45.9	53.7	63.5	56.6				
	B	B2															63	101	97.8		50.3	64.5	88.7	78.9	46.8	54.9	64.9	57.8				
	BW	BW															62.9	101	97.9		50.6	64.6	88.7	79.1	47	54.9	65	57.9				
310	-	-																			46.5	57.9	85.7	78.2	42.3	51.9	62.4	57.2				
	B	B2																			46.5	57.9	85.7	78.9	43.3	53.4	63.9	58.6				
	BW	BW																			46.6	60.2	87.6	81.4	43.5	53.6	64.1	58.7				
320	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
330	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
340	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
350	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
360	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
370	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
380	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
390	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														
400	-	-																											-	-	-	-
	B	B2																														
	BW	BW																														

H

HSDWB/B2/BW

HS 256



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

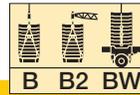
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ft		HS 256																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
55	- B B2 BW	291 411 414 414				281 368 371 371																			
60	- B B2 BW	268 398 400 401	250 424 429 430			259 358 361 361				249 320 322 322															
65	- B B2 BW	248 385 387 388	231 413 417 417			239 347 349 350	221 369 372 372			230 312 314 314			223 280 281 282					249 250 250							
70	- B B2 BW	231 372 374 375	215 400 404 405			223 337 338 339	207 360 363 364			214 303 305 306			209 274 276 276					194 245 246 246							
75	- B B2 BW	215 358 362 363	200 388 391 393			208 327 328 329	193 351 354 353			200 295 296 297	185 314 317 317		196 268 270 270					187 240 241 241					184 216 217 217		
80	- B B2 BW	201 346 350 351	187 376 379 380			195 316 318 319	180 341 344 343			187 286 288 289	173 307 309 309		183 262 263 263	169 277 279 279				175 235 236 236					172 212 213 213		
85	- B B2 BW	189 333 337 338	175 364 367 367			183 306 308 309	169 330 334 333			175 279 280	162 299 302		172 254 256 256	158 272 273 274				164 230 230 231	150 242 243 244				161 209 209 210	217 219 219 219	
90	- B B2 BW	178 320 325 325	165 353 355 356			172 297 299 299	159 321 323 324			165 271 271 272	152 291 294 294		162 248 249 250	149 265 267 268				154 223 225 225	142 238 239 239				152 204 205 205	136 214 215 216	
95	- B B2 BW	169 309 314 314	156 341 347 348			162 287 290 290	150 312 313 315			156 263 264 265	143 283 286 287		153 242 242 243	140 260 261 262				146 218 220 220	133 233 234 235				143 200 201 201	131 211 212 212	
100	- B B2 BW	147 333 340 341				154 276 281 281	142 303 304 305			147 256 257 257	135 276 278 279		144 236 236 237	132 254 255 256				137 213 214 215	126 228 230 230				135 196 197 197	123 207 208 209	
105	- B B2 BW		96.6 390 398 399			145 267 271 271	134 294 296 297			139 249 250 250	128 269 270 271		136 230 230 231	125 248 249 249				130 208 209 209	118 224 225 225				128 191 192 192	117 204 205 205	
110	- B B2 BW		91.1 381 388 390			138 258 263 263	127 287 290 291			132 241 243 243	121 262 263 264		130 224 224 225	119 241 243 243				123 203 204 205	112 219 220 220				121 187 188 188	110 200 201 201	
115	- B B2 BW		86 372 380 381			132 251 255 255	121 280 284 285			126 233 236 236	115 255 256 257		123 219 220	113 235 237				117 199 199 200	106 214 215 215				115 183 184 184	105 196 197 197	
120	- B B2 BW		81.2 363 371 372				115 330 335 336	76.5		119 225 229 229	109 249 250 250		117 213 213 214	107 229 231 231				111 194 194 195	101 209 210 210				109 179 180 180	99.1 192 193 193	
125	- B B2 BW		76.8 354 360 362				72.3 322 328 329			114 218 222 222	104 243 245 246	66.5	111 207 207 208	102 224 224 225				105 190 189 190	95.4 204 205 206				104 175 176 176	94 189 189 190	
130	- B B2 BW		72.7 346 350 353				68.3 315 321 322			109 211 215 215	98.8 238 241 242	62.7	106 200 202 202	96.8 218 219 220	59.7			100 185 185 186	90.7 199 200 201				98.9 171 172 172	89.4 185 185 185	
135	- B B2 BW		68.9 340 344 344				64.8 308 313 313				94.4 232 236 236	59.3	102 194 197 197	92.4 214 215 216	57.3			95.7 180 181 181	86.4 195 195 196				94.4 168 168 168	85.2 181 181 182	
140	- B B2 BW		65.3 334 338 335				61.3 300 305 305				90.3 225 230 231	56	97.3 188 191 191	88.2 210 211 212	54.1			91.3 175 176 177	82.3 190 191 192	45.3 220 223 224			90 164 164 165	81.1 177 178 178	196 200 200
150	- B B2 BW						55.1 290 289 294				50 263 266 267		89.3 178 181 181	80.6 200 204 204	48.3			83.3 165 168 168	74.8 183 183 184	42.4 216 220 220			82.1 157 157 157	73.6 169 170 170	41.3 195 198 198
160	- B B2 BW										44.6 252 255 257			43.1 233 235 236				76.2 157 159 159	68 176 177 177	37.3 210 214 214			75 149 150 150	67 162 163 164	36.3 191 194 194
170	- B B2 BW				274 297 279				12.6					39.9 248 247 251				70.1 148 150 150	62.1 168 171 171	32.8 203 206 206			68.8 141 143 143	61.1 157 158 158	31.9 186 189 189

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 256



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

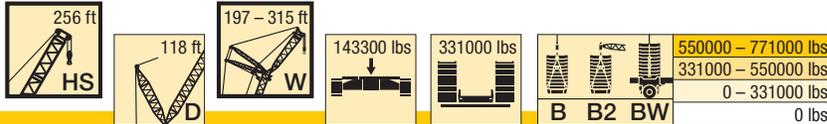
ft		HS 256																																			
		W 79				W 98				W 118				W 138				W 157				W 177															
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°												
180	- B B2 BW				258 281 263				9.9 255 277 259				35.7 237 232 239				34.4 215 216 217				57.1 160 164 164				28.9 196 198 199				63.3 134 136 136				55.9 152 153 153				28 180 182 183
190	- B B2 BW								240 261 244				235 255 240				30.7 209 209 211				25.3 190 191 191				58.5 127 128 128				51.3 145 147 148				24.5 175 176 177				
200	- B B2 BW												222 242 226				215 230 224				22 184 187 184												21.3 169 171 171				
210	- B B2 BW												209 229 213				207 226 212				180 182 178				192 200 200								18.3 164 166 166				
220	- B B2 BW												197 217 203				196 215 201				168 169 166				186 197 194								15.7 162 164 164				169 175 175
230	- B B2 BW																185 205 191								179 193 185								13.3 157 158 157				167 174 174
240	- B B2 BW																								170 187 175												164 172 171
250	- B B2 BW																								162 180 166												159 168 165
260	- B B2 BW																								154 171 158												152 165 157
270	- B B2 BW																																				145 160 149

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 256



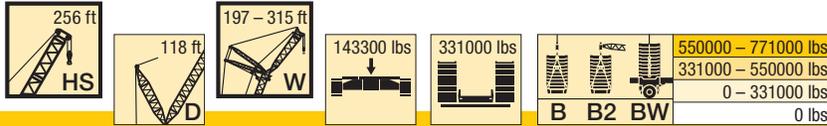
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ft		HS 256																												
		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
80	- B B2 BW	165 188 189 189																												
85	- B B2 BW	154 185 186 186				148 164 165 165				144 146 146 146																				
90	- B B2 BW	145 182 183 183				140 162 162 162				136 144 144 144																				
95	- B B2 BW	137 179 179 180	124 187 188 188			132 159 160 160				128 142 142 143				123 126 126 126																
100	- B B2 BW	129 176 176 176	117 184 186 186			124 163 164 164	112 163 164			121 140 140 141				116 124 125 125					107 108 108 108					93.9 93.9 93.9 93.9						
105	- B B2 BW	122 173 173 173	110 181 182 183			117 161 162 162	106 161 162			114 138 138 139	102 143 144 144			110 123 123 123					104 106 107 107					93.2 93.2 93.2 93.2			78.2 78.2 78.2 78.1			
110	- B B2 BW	115 170 170 170	104 179 180 180			111 152 160 160	99.6 159 160			108 136 142 142	96.7 141 142			104 121 122 122	90.7 125 125					98.2 105 105 105				92.1 92.1 92.1 92.2			77.3 77.3 77.3 77.3			
115	- B B2 BW	109 165 166 166	98.6 176 177 177			105 149 150 150	94.1 157 157			102 134 134 135	91.3 140 141 141			97.8 119 120 120	87.2 124 124					92.6 104 104 104				88.3 90.9 91 91.1			76 76.2 76.4 76.4			
120	- B B2 BW	104 162 163 163	93.3 173 174 174			99.1 146 147 147	88.9 154 155			96.5 132 132 133	86.2 138 139 139			92.5 117 118 118	82.2 122 123 123					87.4 102 103 103	77 106 106 106			83.2 89.9 90 90.1	68.7 92.1 92.3 92.3	74.9 75.2 75.4 75.6				
125	- B B2 BW	98.3 158 159 160	88.4 170 171 171			94 144 144 144	84.1 152 152 153			91.4 130 130 130	81.5 136 137 137			87.6 116 116 116	77.6 121 121 121					82.5 101 101 101	72.5 105 105 105			78.5 88.9 89 89	68.4 91.3 91.6 91.6	73.8 74.3 74.5 74.7	63.6 76.6 76.3 76.4			
130	- B B2 BW	93.4 155 156 156	83.8 167 167 168			89.2 140 141 141	79.6 150 150			86.7 128 128 128	77.1 134 135 135			83 114 114 114	73.3 120 120 120					78.1 99.6 99.9 99.9	68.3 104 104 104			74.1 87.8 88 88	64.3 90.5 90.8 90.8	69.4 73.3 73.5 73.6	59.6 75.9 75.7 75.7			
135	- B B2 BW	89 152 153 153	79.7 164 164 165			84.9 138 139 138	75.6 147 147 148			82.5 126 126 126	73.1 133 133 133			78.8 112 113 112	69.4 118 118 118					74 98.2 98.5 98.6	64.5 102 103 103			70 86.9 86.9 86.9	60.6 89.7 89.9 90	65.5 72.4 72.6 72.6	55.9 75.1 74.9 75			
140	- B B2 BW	84.7 149 149 150	75.7 161 161 161			80.7 135 136 136	71.7 145 145 145			78.4 123 124 124	69.3 131 131 131			74.8 111 111 111	65.7 116 117 117					70 96.9 97.1 97.2	60.8 101 102 102			66.2 85.5 85.7 85.8	57 88.8 89.1 89.1	61.7 71.4 71.6 71.6	52.4 74.1 74.1 74.2			
150	- B B2 BW	77 143 143 144	68.4 154 155 155			73 130 130 130	64.5 140 140			70.8 119 119 119	62.2 127 127 127			67.4 107 107 107	58.8 113 113 114					62.7 94.2 94.4 94.5	54 98.8 99.2 99.2			59 83 83 83.2	50.3 87.1 87.3 87.3	54.6 69.5 69.6 69.7	45.9 72.3 72.6 72.7			
160	- B B2 BW	70 138 137 138	61.9 148 149 149	30.9 168 171		66.2 125 125 125	58.1 135 135			64 114 114 114	55.9 123 123 123			60.7 103 103 103	52.6 110 110 110					56.2 91.4 91.6 91.7	48 96.2 96.5 96.7			52.6 80.3 80.4 80.4	44.3 85 85.2 85.2	48.3 67.6 67.8 67.8	40 70.6 71 71.1			
170	- B B2 BW	63.8 131 132 132	56.1 142 143 143	26.6 166 168		60.1 121 120 121	52.4 141 148 148	22.6 138 148		58 110 110 110	50.3 119 119 119	20.3 128 130 130			54.8 99.6 99.6 99.7	47 107 107 107					50.3 88.4 88.8 88.9	42.5 93.9 94.2 94.1			46.8 77.7 77.6 77.7	39 82.3 82.6 82.7	42.7 65.7 65.9 66	34.8 68.9 69.4 69.4		
180	- B B2 BW	58.4 124 126 126	51 138 138 138	22.8 162 164		54.7 115 116 116	47.4 125 126 126	19.2 144 146		52.7 106 106 106	45.3 115 115 115	16.9 127 129 129			49.5 96.5 96.3 96.5	42.2 103 103 104					45.2 85.7 85.8 86.2	37.7 91.5 91.7 91.6			41.7 75.3 75.1 75.2	34.3 79.7 80.1 80.3	37.7 63.6 64.1 64.2	30.1 67.2 67.6 67.8		
190	- B B2 BW	53.5 118 120 120	46.4 134 134 134	19.4 158 160		49.8 110 111 111	42.8 121 122 122	15.8 141 143 143		47.8 102 102 102	40.8 110 111 111	13.6 126 127 127			44.8 93.6 93.1 93.4	37.7 100 100 100	10.4 110 111 111					40.5 82.9 82.7 82.7	33.3 89.1 89 89			37.1 72.4 72.4 72.7	29.9 77.4 77.8 77.9	33.1 61.8 62.3 62.4	25.8 65.4 65.9 66.1	
200	- B B2 BW	49 112 114 114	42.2 129 130 131	16.3 153 155		45.4 105 106 107	38.6 118 118 118	12.7 138 140		43.4 98.2 98.6 98.6	36.6 107 107 107	10.6 124 125 126			40.4 90.5 89.9 90.3	33.6 97 96.9 97.1					36.1 80 79.6 80.1	29.3 86.5 86.3 86.3	93.1 94.1 94			32.8 69.8 69.7 70.2	26 75.3 75.5 75.6	28.9 60.5 60.5 60.6	21.9 63.6 64.3 64.4	
210	- B B2 BW	38.3 123 125 126	13.4 149 150 150			41.3 99.8 101 102	34.8 115 115 115	9.9 134 136 136		39.3 93.9 95.1 95.2	32.8 104 104 104			36.4 87 86.8 86.9	29.8 93.6 93.8 94					32.2 77.1 76.6 76.9	25.6 83.6 83.3 83.4			28.9 67.9 67.9 67.9	22.3 73.3 73.2 73.2	25 58.3 58.6 58.7	18.3 62 62 62.8			
220	- B B2 BW	35.1 116 120 121	10.9 144 146 146			37.8 94.5 96 96.4	31.5 110 111 111	7.4 131 132 132		35.7 89.5 90.9 91.1	29.4 102 101 101			32.8 83 83.7 83.9	26.5 91.3 91.2 91.4					28.6 77.1 74.8 74	22.3 80.4 80.3 80.4	91.2 92.2 92.2			25.4 65.8 65.5 65.7	19.1 71.1 71.1 71	21.5 56.6 57 57	15.1 60.4 61.1 61.3	63.7 64.8 64.8	

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 256

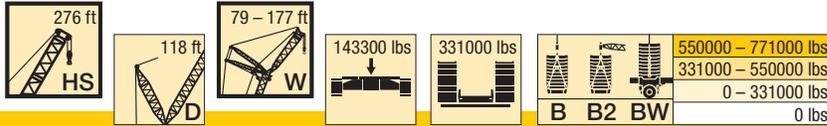


ft		HS 256																															
		W 197				W 217				W 236				W 256				W 276				W 295				W 315							
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°				
230	B B2 BW		8.5			34.7	28.4			32.3	26.2			29.5	23.4			25.3	19.2			22.1	16			18.3	12.1						
		141				89.8	104	127		84.7	98.5	115		79.1	89.4	103		71.2	77.8	90		63.6	69	76.7		54.9	58.8	63.3					
		144				91.3	107	128		86.1	98.6	117		80.5	89.1	105		71.5	77.6	90.9		63.4	68.7	77.7		55.3	59.5	64.3					
		144				91.4	107	129		86.2	98.4	117		80.7	89.3	104		71.6	77.7	91		63.5	68.7	77.7		55.4	59.6	64.3					
240	B B2 BW		137	146				125		79.5	94.5	112		75.1	87.4	101		68.2	75.7	88.8		61.4	66.9	75.7		53.1	57.1	62.8					
		141		150				126	129	81	95.7	113		76.6	87.1	102		69.3	75.4	89.5		59.7	64.6	75.6		53.7	57.8	63.8					
		141		151				126	129	80.9	95.5	114		76.8	87.3	102		69.3	75.5	89.7		61.4	66.6	76.7		53.8	58	63.8					
250	B B2 BW		131	145				124	126		20.7			23.5	17.9			19.4	13.7			13.8	10.6			12.5							
		135		150				125	130		90.4	109	107		70.4	84.7	98.3		65.5	74.1	87.3		59	64.7	74.7		51.1	55.5	62.2				
		135		150				125	130		92.5	111	110		71.8	84.7	99.5		66.9	73.8	88		59.7	64.6	75.6		52	56.1	63.3				
		135		150				125	130		92.3	111	111		72.1	85	99.9		67	73.9	88		59.7	64.8	75.6		52	56.4	63.3				
260	B B2 BW		121	143				120	126		18.3			21	15.4			16.9	11.3			16.9	11.3			10							
		124		148				122	130		84.9	108	108		65.7	80	96.1	91.5	61.6	72.4	84.8		56.7	63.7	73.3		49.4	54.1	61.3				
		125		149				122	130		86.8	109	112		67.2	81.2	97.2	78.6	63	72.1	86.3		57.8	63.4	74.3		50.4	54.6	62.5				
		125		149				122	130		86.9	109	112		67.4	81.7	97.6	93.9	63	72.4	86.3		57.9	63.6	74.3		50.5	54.8	62.6				
270	B B2 BW			139				114	125					106	109			57.6	69.2	82.5		53.9	62.6	71.9		47.7	52.8	60.4					
				145				117	129					107	112			61.7	75.8	94.5	93	58.9	69.8	84.4		48.8	53.3	61.6					
				144				118	129					107	112			63.1	77.3	95.3	95.4	58.9	69.8	84.6		48.9	53.6	61.7					
				144				118	129					107	112			63.1	77.9	95.7	95.7	58.9	70.1	84.6		48.9	53.6	61.7					
280	B B2 BW			133					124					103	109			93.2	93.9			53.6	65.5	80.5	76.5	45.6	51.5	59.7					
				142					128					105	112			93.8	96.3			54.9	67.1	82.5	79	51.7	60.5	71.3					
				138					128					105	113			94.1	96.6			54.9	67.4	82.6	78.7	51.8	60.7	71.4					
290	B B2 BW			127					121					98.9	108			91.9	94.2			62.5	78.7	77.5		46.8	57.7	69	63.4	42.9	50.2	58.9	
				139					126					101	112			92.4	96.8			64.2	80.4	81	48	58.4	69.7	64.9	44.2	50.8	59.6		
				131					126					101	112			92.8	96.9			64.5	80.6	80.1	48.1	58.6	69.8	65	44.2	51.1	59.7		
300	B B2 BW			121					117					91.1	107			89.9	94.1			58.4	77.2	78.1		42.8	54.6	67.6	64.4	39.2	48.2	58	46.7
				136					124					92.3	111			90.7	96.8			59.8	78.2	82	44.5	56.1	68.1	66.1	40.5	49.2	58.5	49.8	
				126					121					92.8	111			90.8	96.9			59.9	78.6	81.5	44.7	56.2	68.3	66.2	40.4	49.5	58.6	50.4	
310	B B2 BW								112					105				87.1	93.6			75.9	78.3			38.8	51.4	66.1	65	35.6	46.2	57	51.3
									123					109				88.3	96.2			76.5	82.4			40.6	53	66.7	66.9	36.9	47.4	57.4	52.6
									116					109				88.5	96.3			77	82.2			40.7	53.2	66.9	66.9	36.7	47.7	57.4	52.6
320	B B2 BW													103								74.8	78.3				64.9	65.4	32.4	43.9	55.9	51.9	
														107								75.1	82.2				65.3	67.5	33.5	45.1	56.3	53.4	
														106								75.6	82.2				65.7	67.5	33.4	45.4	56.3	53.4	
330	B B2 BW													99.1								72.6	78				64	65.7		41.1	54.7	52.4	
														107								72.8	81.6				64.3	67.8		42.2	55.1	54	
														103								73.2	81.6				64.7	67.9		42.5	55.2	54.1	
340	B B2 BW													94.8								65.7	77.6				63.7	65.8		36.5	53.7	52.9	
														107								66.1	80.3				63.8	67.9		38	54.1	54.5	
														98.4								66.3	80.3				64.1	68.1		38	54.1	54.7	
350	B B2 BW																					87.9					62.3	65.7		53.5	53.2		
																						92.6					62.5	67.6		53.9	55		
																						90.9					62.8	67.9		53.9	55.1		
360	B B2 BW																										65.3			53.3	53.5		
																											67.2			53.6	55.4		
																											67.5			53.7	55.5		
370	B B2 BW																											64.8			52.1	53.7	
																												66.8			52.3	55.7	
																												66.9			52.4	55.7	
380	B B2 BW																														47.9	53.9	
																													66.8		47.8	55.9	
																												66.5		48.1	55.9		
390	B B2 BW																														53.9		
																															55.8		
																															55.9		
400	B B2 BW																														54.3		
																															55.8		
																															55.9		
410	B B2 BW																														54.3		
																															55.8		
																															55.9		

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 276



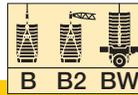
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ft		HS 276																							
		W 79				W 98				W 118				W 138				W 157				W 177			
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55	- B B2 BW	280 371 374 375				251 332 335 335																			
60	- B B2 BW	258 360 363 363				248 324 326 327				240 292 293 294															
65	- B B2 BW	239 349 350 352	219 376 381 382			229 314 317 318	338 340 341			222 286 286 287			213 256 257 257												
70	- B B2 BW	223 337 339 340	206 367 372 372			214 306 308 309	190 332 334 334			207 278 279 280			201 252 253 253												
75	- B B2 BW	208 325 327 329	192 357 362 362			199 297 298 299	183 323 326 326			194 270 272 273	177 292 293 294			187 246 247 247				181 222 222 222					176 198 199 199		
80	- B B2 BW	195 313 316 318	179 346 351 351			187 288 289 290	171 313 318 318			181 263 265 265	166 286 287 288			175 240 241 241	160 258 258 259			170 218 218 218	144 227 227 227				165 196 195 196		
85	- B B2 BW	183 302 305 307	168 334 340 340			175 278 280 281	161 305 309 310			170 256 257 258	155 278 281 281			165 234 236 236	150 254 254 254			159 214 213 213	144 227 227 227				155 193 192 192		
90	- B B2 BW	173 290 294 296	159 323 329 330			165 269 272 273	151 297 301 302			160 249 250 251	146 271 274 275			155 229 229 230	141 248 249 249			150 208 209 209	136 223 224 224				146 189 189 189		
95	- B B2 BW	163 280 285 285	150 313 318 319			156 261 264 264	142 288 293 293			151 242 243 244	138 264 268 268			146 223 223 224	133 242 244 244			142 203 204 204	128 220 220 220				137 185 185 186		
100	- B B2 BW	141 302 309 310				147 252 255 256	134 280 284 285			143 235 237 238	130 258 261 261			138 217 217 218	125 236 239 239			134 199 199 199	121 216 216 216				130 181 182 182		
105	- B B2 BW					140 242 246 247	127 271 275 277			135 228 230 231	123 252 255 255			131 211 212 213	119 231 233 234			126 195 194 195	114 211 212 212				122 178 178 178		
110	- B B2 BW			81.2		133 234 238 239	121 264 267 269			128 221 224 225	117 244 248 248			124 206 207 207	112 225 228 228			120 190 190 190	108 206 208 208				116 174 174 174		
115	- B B2 BW			78 348 364 365		126 227 230 231	114 256 260 261			122 214 216 217	111 238 241 242			118 200 202 202	106 220 223 223			114 185 185 186	102 201 203 204				110 171 170 171		
120	- B B2 BW			73.6		109 248 253 254	67.3 310 321 322			116 206 209 210	105 232 235 236			112 195 197 197	101 215 218 218			108 181 181 181	97 197 199 199				105 167 166 167		
125	- B B2 BW			69.5		63.3				111 199 202 203	99.9 225 229 230			107 189 191 192	96 210 213 213			103 176 177 177	92.1 193 195 195				99.3 163 163 163		
130	- B B2 BW			65.7		59.7				106 193 196 197	95.2 219 222 224	55.2		102 183 185 186	91.4 205 207 208			97.9 172 172 173	87.5 189 191 191				94.5 159 159 160		
135	- B B2 BW			62.2		56.4				90.9 213 217 218	52.9 267 275 276			97.4 177 179 180	87.2 199 202 203			93.5 167 168 169	83.4 184 187 187				90.2 156 156 156		
140	- B B2 BW			58.8		53.3				86.8 207 211 212	49.9 262 271 272			93.1 171 174 175	83.2 194 197 198	43.6		89.2 163 163 164	79.4 181 183 183	39.8			86 152 152 153		
150	- B B2 BW					47.5				44.3 252 261 262				85.4 161 164 165	75.8 184 188 188	40.8		81.4 153 154 155	72.2 173 175 175	37			78.4 145 145 146		
160	- B B2 BW									39.3 239 251 251				36 223 231 232			74.5 143 145 146	65.7 164 167 167	32.3			71.5 137 138 139			
170	- B B2 BW			267						34.8 227 240 240				31.7 215 223 224			68.4 135 137 138	59.9 156 159 160	28.2			65.4 129 130 131			

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 276



550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

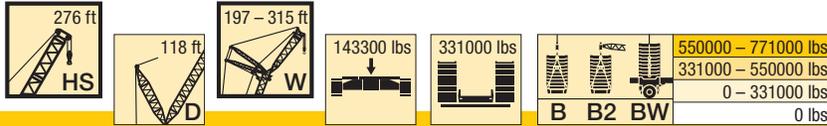
ft	B B2 BW	HS 276																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
180	-				252								30.9				28			54.9	24.5			60.2	52.1	21.7
	B				274								219				205			148	191			121	140	174
	B2				257								231				216			151	198			123	142	180
	BW												231				216			152	198			124	143	180
190	-																24.5				21.2			55.5	47.6	18.5
	B								232								197				184			115	133	170
	B2								254								208				191			117	136	175
	BW								237								208				192			117	136	176
200	-																				18.1					15.5
	B												212								175					165
	B2												231								184					171
	BW												220								184					171
210	-																									12.8
	B												203													160
	B2												223								166					166
	BW												208								176					166
220	-																									10.4
	B												192				186				164	170			152	150
	B2												212				201				171	179			159	142
	BW												197				194				174	180			159	156
230	-																									8.1
	B																178									144
	B2																195									155
	BW																184									155
240	-																									149
	B																169									157
	B2																188									157
	BW																174									157
250	-																									147
	B																									155
	B2																									155
	BW																									155
260	-																									143
	B																									153
	B2																									150
	BW																									150
270	-																									138
	B																									150
	B2																									143
	BW																									143
280	-																									132
	B																									146
	B2																									136
	BW																									136

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 276



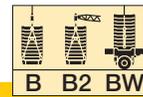
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ft		HS 276																													
		W 197				W 217				W 236				W 256				W 276				W 295				W 315					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
80	- B B2 BW	158 173 173 173																													
85	- B B2 BW	148 171 170 171				144 153 152 152				134 134 134 134																					
90	- B B2 BW	139 169 168 168				136 151 150 151				129 133 132 132																					
95	- B B2 BW	131 166 165 165	112 174			128 149 148 149				122 132 131 131				115 116 115 116																	
100	- B B2 BW	123 163 162 163	110 173 173			121 147 146 146	102 154 153 154			115 130 129 129				111 115 114 114				99.2 99.6 98.8 98.9													
105	- B B2 BW	116 161 160 160	104 171 170 171			114 145 144 144	102 152 152 152			109 129 128 128	96.2 134			104 113 113 113				98.3 98.3 97.6 98			86.1 86.1 85.9 85.9				71 71 71 71						
110	- B B2 BW	110 157 157 157	98.2 168 168 168			108 143 142 142	96.1 151 151 151			103 127 126 126	90.7 133 132 132			98.6 112 111 111	84.9 116 116 116			93.1 97.2 96.6 96.8			85 85 84.9 85.1				70.3 70.3 70.3 70.3						
115	- B B2 BW	104 154 154 154	92.8 166 166 166			102 141 140 140	90.8 149 149 149			97.2 126 124 124	85.6 131 131 131			93.1 111 110 110	81.5 116 115 115			87.9 96.3 95.6 95.6			82.5 84.2 84 84.1				69.5 69.5 69.5 69.5						
120	- B B2 BW	98.9 151 151 151	87.7 163 163 164			97 138 137 137	85.9 147 147 147			91.9 124 122 123	80.7 130 130 130			88 110 108 109	76.8 115 114 114			82.9 95.3 94.5 94.6	71.6 98.7 98.4 98.4			78.7 83.3 83.1 83.1				68.1 68.6 68.6 68.7					
125	- B B2 BW	93.8 148 148 148	83 160 161 161			92 135 135 135	81.3 145 145 145			87.1 122 121 121	76.2 129 128 128			83.2 108 107 107	72.3 114 113 113			78.2 94.3 93.5 93.5	67.3 98 97.7 97.7			74.2 82.4 85.2 85.2	63.2 84.8 85.2 85.2				67.2 67.4 67.9 67.9	69.3 69.5 69.5			
130	- B B2 BW	89.1 145 144 145	78.7 157 158 158			87.4 133 133 133	77 143 143 143			82.6 119 119 119	72.1 127 127 127			78.8 107 106 106	68.3 112 112 112			73.9 93.3 92.4 92.4	63.3 97.3 96.9 96.8			69.9 81.1 80.6 80.7	59.3 84.2 84.7 84.7				64.8 66.6 66.8 66.9	53.6 68.6 68.8 68.9			
135	- B B2 BW	84.8 142 141 142	74.7 154 155 156			83.2 131 130 130	73.1 141 141 141			78.4 117 117 117	68.3 126 125 125			74.8 105 104 104	64.6 111 111 111			70 92.2 91.3 91.2	59.7 96.3 96 96			66.1 79.9 79.3 79.4	55.7 83.6 84 84				61.5 65.8 66 66	51.1 68 68.2 68.3			
140	- B B2 BW	80.7 139 139 139	70.9 151 152 153			79.2 129 127 128	69.4 139 139 139			74.5 115 115 115	64.6 124 124 124			70.9 103 103 103	61 110 110 110			66.1 91.1 90.1 90.1	56.1 95.3 95.2 95.2			62.3 78.8 78.1 78.1	52.3 82.9 83.3 83.3				57.8 64.9 65.2 65.2	47.7 67.3 67.5 67.6			
150	- B B2 BW	73.2 133 133 134	63.9 146 147 147			71.7 124 122 123	62.5 134 135 135			67.2 111 111 111	57.9 121 120 120			63.8 100 99.6 99.6	54.4 108 107 107			59.1 88.7 87.8 87.7	49.7 93.4 93.3 93.4			55.4 76.7 75.8 75.9	45.9 80.9 81.4 81.4				51.1 63.3 63.5 63.6	41.5 65.9 66.2 66.3			
160	- B B2 BW	66.5 127 128 128	57.7 140 142 142	21.3 162 165 165		65.1 119 118 119	56.3 129 130 130			60.7 107 106 107	51.8 117 117 117			57.4 97.1 96.5 96.6	48.5 105 104 105			52.8 85.9 85.3 85.3	43.8 91.7 91.3 91.6			49.2 74.7 73.8 73.9	40.2 78.6 79.2 79.2				45 61.7 61.8 61.9	35.9 64.4 64.8 64.9			
170	- B B2 BW	60.5 121 122 122	52.1 135 136 136	19.9 160 164 164		59.1 114 113 114	50.8 125 126 126	18.4 142 144 145		54.8 104 103 103	46.4 112 113 113			51.6 94.1 93 93.5	43.2 102 102 102			47.2 83 82.5 82.4	38.6 89.8 89.4 89.7			43.7 72.5 71.8 71.9	35.1 77 77.2 77.4				39.5 60 60.2 60.2	30.9 63 63.5 63.5			
180	- B B2 BW	55.3 114 115 115	47.2 129 131 131	16.5 157 161 161		53.9 109 108 109	45.9 120 121 121	15.3 140 143 143		49.7 99.6 98.9 99.2	41.6 109 110 109			46.6 91.1 90.1 90.4	38.5 98.6 98.8 98.9			42.2 80.1 79.6 79.5	34 87.8 87.3 87.5			38.7 70.3 69.8 69.6	30.6 75.4 75.5 75.6				34.7 58.3 58.5 58.6	26.4 61.6 62.1 62.1			
190	- B B2 BW	50.5 108 109 109	42.8 124 126 127	13.4 153 158 158		49.1 103 103 103	41.5 116 117 117	12.2 138 142 142		45 95.5 95.1 95.3	37.3 105 106 106			41.9 88 87.2 87.5	34.2 95.5 95.8 96			37.6 77.3 76.5 76.7	29.8 85.3 85.2 85.3			34.2 68.2 67.7 67.5	26.5 73.7 73.7 73.8				30.2 56.5 56.9 57	22.3 60.2 60.6 60.7			
200	- B B2 BW	46.2 102 103 103	38.7 118 121 122	10.5 149 154 155		44.7 97.6 98.1 98.5	37.4 111 112 113	9.3 135 139 139		40.7 91.3 91.1 91.4	33.3 102 102 102			37.7 84.8 84.2 84.4	30.3 92.8 93 93.2			33.4 74.5 73.6 73.9	26 82.5 82.9 82.9			30.1 66.1 65.5 65.5	22.6 71.9 71.8 71.9	73 74.2 74.3				26.1 54.9 55.3 55.4	18.6 58.7 59.1 59.3		
210	- B B2 BW	35 112 115 116	145 150 151			40.7 92.5 93.1 93.5	33.7 107 108 109			36.7 86.8 87 87.4	29.6 97.9 98.4 99			33.8 81.1 80.9 81.1	26.7 90.4 90.3 90.5			29.6 71.9 70.9 71.3	22.4 79.9 80.3 80.3			26.3 64.1 63.2 63.4	19.1 69.8 69.9 70.1	73 74 74.7				22.4 53.3 53.8 53.8	15.1 57.1 57.6 57.8		
220	- B B2 BW	31.9 107 109 110	142 146 147			37.2 87.6 88.4 88.9	30.4 102 104 104			33.2 82.2 82.7 83.1	26.3 94.3 95.4 95.9			30.3 76.7 76.8 77	23.4 87 87.3 87.5			26.1 69 68.2 68.5	19.2 77 77.3 77.4			22.9 62.2 62 61.4	16 67.9 68 68.1	73.4 73.4 74.7				19 51.7 52 52.1	12.1 55.7 56.1 56.3	58.2 59 59	

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 276



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

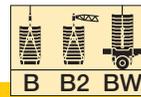
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		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
230	B B2 BW		137 142 142		34 82.7 84.4	27.3 97.1 98.9	127 131 131		29.9 77.1 78.5	23.3 90.2 92.6	113 117 117		27.1 72.2 73	20.5 83.6 84.6	101 104 104		22.9 65.8 65.8	16.3 74.2 74.6	87.8 89.7 89.8		19.8 60 59.1	13.1 66 66.1	73.2 74.9 74.9		15.9 50.1 50.3	9.2 54.1 54.6	58 58.9 59			
240	B B2 BW		130 137 137	130 136 136			123 127 128		27 71.9 73.3	20.5 86.3 88.5	110 112 115		24.1 67.9 68.6	17.7 80 81.4	99.4 102 102		20 62.6 63	13.5 71.3 72.1	86.8 88.9 89.1		16.8 57.6 56.9	10.4 64 64.1	73.1 74.8 74.8		13 48.4 49	52.5 51.8 53.3	57.7 58.6 58.7			
250	B B2 BW		126 133 133	130 137 137			119 123 124	114 118 119		17.9 81.7 84.3	108 112 112		21.4 63.9 64.6	15.1 76.5 78.2	97.5 100 101		17.3 60 60.2	11 69.7 70	85.7 87.9 88		14.1 54.8 54.6	62 62 62.3	72.8 74.7 74.7		10.3 46.4 47.2	51.1 51.8 51.8	57.2 58.3 58.3			
260	B B2 BW		124 130 132	128 136 136			115 119 119	114 119 119		15.6 77.6 79.7	105 109 109	89.8 99.6 94.4		18.9 60.7 61.1	12.8 74.5 74.8	95.3 98.4 98.7		14.8 55.9 56.5	8.7 66.2 67.6	84.3 86.7 86.7		11.6 52 52.6	59.9 72 74	72 74 74		44.1 45.5 45.7	49.7 50.3 50.4	56.8 57.9 57.9		
270	B B2 BW		127 134 134				109 117 115	113 119 120			102 106 106	97.6 102 102		56.5 57 57.5	69 70.7 71	93.4 96.4 96.7		52.5 53 53.2	63.4 64.8 65.1	82.2 85.3 85.4		9.4 48.7 49.3	57.8 59.1 59.4	71 73.2 73.3		42 43.8 44	48.5 49.1 49.2	56.1 57.3 57.3		
280	B B2 BW		124 132 131				112 119 119				98.4 103 103	97.7 103 103				91.3 94.3 94.6	84.8 88 88.1		49.1 49.5 49.6	60.4 61.6 62.1	80.1 83.8 84		44.9 45.8 46.2	55.8 57.1 57.4	69.8 72.2 72.4		39.7 41.9 42	47.3 47.9 48	55.4 56.6 56.7	
290	B B2 BW		120 130 126				111 118 118				95.4 101 101	97.3 103 103				88.9 92.1 92.3	85 89 89.2		57.3 58.4 59	78.2 82.1 82.4	69.1 72 72.1		40.9 42 42.4	53.2 54.5 54.9	68.4 71 71.2	56.7 58.5 58.5	37.2 39.4 39.5	46 46.6 46.8	54.8 56 56	
300	B B2 BW		115 127 120				109 116 116				94.6 99.7 100	96.5 102 102				85.2 90.3 90.1	85.3 89.4 89.6		53.3 54.9 55.5	76.5 79.8 80.2	70 73.1 73.3		37.5 38.4 38.9	50.1 51.5 51.9	67.2 69.8 70	57.8 59.9 59.8	34.3 36 36.1	43.9 44.8 45	54 55.3 55.4	37.3 42.6 44.3
310	B B2 BW						107 114 112				95.6 101 101					82.1 88.7 87.8	84.9 89.5 89.5			74.3 77.7 78	70 73.9 73.9		34.7 35.3 35.6	46.9 48.3 48.8	66 68.6 68.7	58.8 60.9 61	31.5 32.7 32.8	41.5 42.4 42.7	53.3 54.6 54.7	44.8 46.1 46.1
320	B B2 BW						103 111 107				94.6 100 99.9					84.4 89.2 89.2				71.4 75.9 76.2	70.1 74.4 74.4			64.7 67.4 67.5	59.5 60.9 62	29 29.6 29.7	38.8 39.9 40.2	52.6 54 54.1	45.8 47.3 47.3	
330	B B2 BW										92.9 98.8 97.2					83.8 88.6 88.8				69.8 74.6 74.9	70 74.5 74.6			63.2 66.2 66.2	59.6 62.5 62.6	36 37.2 37.5	51.9 53.4 53.4	46.7 48.3 48.2		
340	B B2 BW										89.8 96.4 93.7					83.1 87.9 88				69.3 74.3 74.6	69.7 74.4 74.4			60.8 64.9 64.9	59.7 62.8 62.9	32.9 34.2 34.5	51.3 52.7 52.8	47.5 49.1 49.1		
350	B B2 BW															81.2 86.6 86.3					69.2 74.1 74.3			58.5 64 63	59.6 62.9 63			50.6 52.6 52.5	48.1 49.8 49.8	
360	B B2 BW															78.1 85.1 83.1					68.6 73.7 73.7				59.5 62.9 63.1			50.1 52.5 52.4	48.6 50.4 50.5	
370	B B2 BW																					67.7 72.8 72.4				59.2 62.9 63.1			49.8 52.4 52.2	49 50.9 51
380	B B2 BW																					65.8 70.8 69.5				58.8 62.8 63			49.7 52 51.2	49.2 51.3 51.4
390	B B2 BW																								57.8 61.8 62				49.2 51.9 52	
400	B B2 BW																								56.6 61.2 60.3				49 52.2 52.4	
410	B B2 BW																													48.5 52 52.2

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 295



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

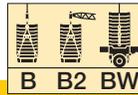
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ft		HS 295																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
55	- B B2 BW	268 337 339 339																							
60	- B B2 BW	247 326 330 330				239 296 297 297				230 265 265 266															
65	- B B2 BW	229 317 320 320	207 341 345 347			222 287 290 290				213 259 260 260			206 233 234 234												
70	- B B2 BW	213 307 309 310	195 333 338 339			207 279 282 282				198 252 254 254			194 229 229 230												
75	- B B2 BW	199 297 298 300	182 324 329 330			193 272 274 274	175 294 297 297			185 245 247 248			182 224 225 225				174 201 201 201					160 180 180 180			
80	- B B2 BW	187 288 289 290	170 315 320 320			181 264 266 266	164 287 290 290			174 239 241 241	157 259 260 260			170 220 220 220	153 234 234 234			163 197 197 197				157 177 177 177			
85	- B B2 BW	176 278 279 281	160 305 310 310			170 256 257 258	154 279 283 283			163 233 235 235	147 254 254 255			160 215 215 215	144 230 230 230			153 193 193 193	136 205 205 205			148 174 174 174			
90	- B B2 BW	166 267 270 271	150 296 301 301			160 248 249 251	145 272 276 276			154 227 228 229	138 248 249 249			151 209 210 210	136 226 226 226			144 189 189 189	128 202 202 202			139 171 171 171			
95	- B B2 BW	157 259 262 263	142 286 292 292			151 241 242 243	137 265 268 269			145 221 222 223	130 241 243 244			142 203 205 205	128 222 221 222			135 185 184 185	121 199 198 199			131 168 167 167	117 179 179 178		
100	- B B2 BW	134 277 283 283	127 269 273 275			143 232 234 235	129 257 261 261			137 215 216 217	123 235 238 238			135 199 200 200	121 218 217 218			128 180 180 181	114 196 196 195			124 165 164 164	110 176 176 176		
105	- B B2 BW	127 269 273 275	120 263 268 269			136 224 227 228	122 250 254 254			130 209 210 211	116 229 232 232			127 194 194 195	114 212 212 213			121 176 176 177	107 193 191 192			117 162 161 161	104 174 173 173		
110	- B B2 BW	120 263 268 269	117 261 268 269			129 217 220 221	116 241 247 247			123 203 204 205	110 224 227 227			121 189 189 190	108 207 208 208			115 172 172 173	102 189 187 188			111 158 157 157	97.9 171 170 170		
115	- B B2 BW					123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184			105 154 154 154	92.6 168 167 167		
120	- B B2 BW			63.5			104			111 190 192 193	99.1			109 180 180 181	97.3			103 164 164 165	91.2			99.8 151 151 151	87.7 166 164 164		
125	- B B2 BW			59.8			99.4	55.6		106 184 185 187	94.1			104 175 176 177	92.5			98.2 160 161 161	86.5			94.8 148 147 147	83.1 163 161 161		
130	- B B2 BW			56.4			94.8	52.3		101 178 180 181	89.6	46		99.4 169 171 172	88			93.5 156 157 157	82.2			90.2 145 144 144	78.8 158 158 158		
135	- B B2 BW			53.2			49.3			85.5 195 199 199	43.9			95.1 164 166 167	84			89.3 152 153 154	78.2			86 141 141 141	75 155 155 155		
140	- B B2 BW			50.1			46.4			81.6 191 194 194	41.1			90.9 159 161 162	80.1	37.3		85.2 148 149 150	74.4			82 138 138 138	71.3 152 152 152		
150	- B B2 BW						41.1			36.1 258 274 275				83.3 150 152 153	73	34.7		77.6 140 141 142	67.5			74.6 131 132 132	64.5 146 146 146		
160	- B B2 BW						36.3			31.6 246 242 243				66.7 162 165 165	30.4			70.9 132 133 134	61.2	24.7		68 125 126 126	58.4 140 141 141	21.7 171 174 174	
170	- B B2 BW						31.8			27.5 235 252 253				61.1 155 158 158	26.5			65 125 126 127	55.7	20.9		62.1 117 119 119	52.9 133 135 135	18 169 173 173	

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 295



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

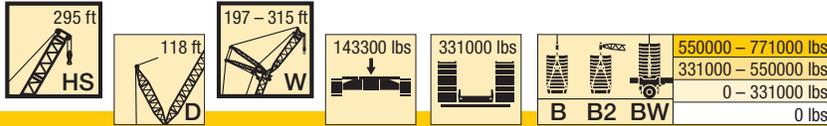
ft		HS 295																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
180	- B B2 BW											23.9				23				50.9	17.6			57	48.2	14.8
												209				197				136	181			111	128	165
												223				209				138	189			112	130	170
												224				209				139	189			113	130	170
190	- B B2 BW			228												19.8					14.6			52.5	43.9	11.9
				250												190					175			106	122	161
				233												201					184			107	124	167
																202					184			107	125	167
200	- B B2 BW								210				196				183				11.8			40	9.2	
									232				226				194				168			116	157	
									217				212				194				179			119	163	
																								119	164	
210	- B B2 BW												190												151	
													215												159	
													200												160	
220	- B B2 BW												182												145	
													204												155	
													189												155	
230	- B B2 BW												173												140	
													192												150	
													179												150	
240	- B B2 BW																161								136	138
																	182								144	153
																	168								146	152
250	- B B2 BW																								136	138
																									153	150
																									150	150
260	- B B2 BW																								132	132
																									152	152
																									143	143
270	- B B2 BW																								127	127
																									147	147
																									136	136
280	- B B2 BW																								123	123
																									141	141
																									130	130

TAB 181391 / 181393 / 181397

H

HSDWB/B2/BW

HS 295



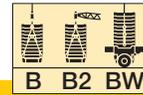
H

ft		HS 295																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
80	- B B2 BW	153 158 158 158																											
85	- B B2 BW	143 156 156 156				138 139 139 139																							
90	- B B2 BW	135 154 153 153				130 137 137 137																							
95	- B B2 BW	127 152 151 151				122 135 135 135				116 119 119 119			105 106 105 105																
100	- B B2 BW	120 106 149 158 148 157 148 157				115 134 132 133				110 118 117 117			103 104 104 104			91.1 91.1 90.4 90.5													
105	- B B2 BW	114 99.9 147 156 145 155 146 155				109 95.4 132 139 130 138 131 138				103 116 122 115 121 115 121			99.2 102 102 102			90.1 90.1 89.3 89.5			77.4 77.4 76.7 76.7						65 65.1 64.7 64.8				
110	- B B2 BW	108 94.4 144 154 143 153 143 153				103 90 130 137 128 136 128 136				97.8 83 115 121 113 119 114 120			93.6 78.9 102 105 101 105 101 105			87.4 88.8 88.1 88.3			76.6 76.6 75.7 75.7						64.5 64.6 64.1 64.1				
115	- B B2 BW	102 89.3 141 152 140 150 140 150				97.6 85 127 135 126 134 126 134				92.4 79.7 113 119 112 118 112 118			88.4 75.7 100 105 99.1 104 99.3 104			83.2 87.8 87 87.1			75.5 75.6 74.7 74.8						64 64 63.5 63.4				
120	- B B2 BW	96.7 84.5 138 149 137 148 137 148				92.5 80.3 125 133 124 132 124 133				87.4 75.1 111 118 110 117 110 117			83.5 71.2 99.1 104 97.7 103 97.8 103			78.4 66 86.8 90.2 85.8 89.5 85.9 89.5			73.6 74.5 73.6 73.8						63.2 63.2 62.7 62.7				
125	- B B2 BW	91.8 80 135 147 134 146 134 146				87.7 75.9 123 132 121 130 121 131				82.7 70.8 110 117 108 115 108 115			78.9 67 97.8 103 96.3 102 96.4 102			73.9 61.9 85.8 89.6 84.7 88.7 84.8 88.7			69.9 57.8 73.6 76.5 72.7 75.8 72.8 75.8						62.2 62.3 61.9 62				
130	- B B2 BW	87.3 75.8 133 145 132 143 132 143				83.2 71.8 120 130 119 128 119 129				78.4 66.9 108 115 106 114 106 114			74.7 63.1 96.4 102 94.8 101 95 101			69.7 58.1 84.8 88.8 83.6 87.8 83.6 87.8			65.8 54.1 72.6 75.9 71.6 75.1 71.7 75.1						60.6 48.5 61.5 63.3 61.1 63.2 61.3 63.2				
135	- B B2 BW	83.1 72.1 130 142 129 141 129 141				79.2 68.1 118 128 117 127 117 127				74.4 63.3 106 113 104 112 104 112			70.8 59.6 95 101 93.4 99.7 93.6 99.5			65.9 54.7 83.5 88.1 82.2 86.9 82.3 87			62.1 50.7 71.7 75.3 70.5 74.3 70.6 74.4						57.5 46.1 60.7 62.8 60.3 62.8 60.5 62.8				
140	- B B2 BW	79.2 68.4 127 140 126 138 127 138				75.3 64.5 115 126 114 125 115 125				70.6 59.8 104 112 103 110 103 110			67.1 56.2 93.7 99.5 91.9 98.5 92.2 98.4			62.3 51.3 82.2 87.3 80.7 86 80.8 86.1			58.5 47.5 70.7 74.7 69.5 73.6 69.6 73.6						54 42.9 60 62.3 59.6 62.2 59.6 62.3				
150	- B B2 BW	71.9 61.7 122 134 121 133 122 133				68.1 58 111 123 110 121 110 121				63.6 53.3 100 109 98.9 107 99 107			60.2 49.9 90.6 97 88.9 95.9 89.3 95.9			55.5 45.2 79.5 85.2 77.7 84 77.9 84.1			51.8 41.4 68.7 73.4 77.4 71.9 67.4 72						47.5 37 58.5 61.1 58 61 58 61.1				
160	- B B2 BW	65.3 55.7 117 129 116 128 116 129				61.7 52 107 118 106 116 106 117				57.3 47.5 96.4 106 95.3 104 95.5 104			54 44.2 87.5 94.7 85.8 93.3 86.1 93.4			49.4 39.6 76.6 82.7 74.7 81.7 74.9 81.8			45.8 36 66.8 71.8 65.3 70.2 65.3 70.3						41.6 31.6 57 59.8 56.3 59.8 56.4 59.8				
170	- B B2 BW	59.5 50.3 14.9 111 124 149 111 124 151 111 124 151				56 46.8 11.3 103 114 131 102 112 131 102 113 131				51.6 42.4 93 103 91.8 101 92.1 101			48.4 39.2 84.6 92.4 82.4 90.7 82.7 90.8			44 34.6 73.5 80.2 72 78.6 72.1 78.9			40.5 31.1 64.8 69.7 63.2 68.4 63.2 68.4						36.3 26.8 55.4 58.3 54.6 58.5 54.8 58.5				
180	- B B2 BW	54.4 45.6 12 105 119 148 106 119 150 106 120 151				50.9 42.1 8.4 98.3 109 130 97.7 108 131 97.8 109 131				46.7 37.8 89.8 99 88.6 97.4 89 97.5			43.6 34.7 81.5 89.9 79.1 88.2 79.4 88.3			39.2 30.2 70.9 77.8 69.5 76.1 69.4 76.3			35.7 26.8 62.8 68 61.3 66.4 61.3 66.4						31.6 22.6 53.9 56.9 52.9 57.1 53.1 57.1				
190	- B B2 BW	49.7 41.2 9.1 99.7 114 145 100 115 149 101 115 149				46.3 37.9 93.7 105 129 93.6 105 131 93.8 105 131				42.1 33.7 86.3 95.7 112 85.3 94.5 113 85.8 94.5 113			39.1 30.6 78.3 87.1 76.2 85.6 76.4 85.6			34.8 26.2 68.5 75.7 66.9 73.7 66.9 73.8			31.4 22.8 60.8 66.3 59.3 64.6 59.5 64.6						27.4 18.7 52.1 55.5 51.3 55.7 51.5 55.7				
200	- B B2 BW	45.4 37.3 94.5 109 142 95.4 110 147 96.1 111 147				42 34 89 101 128 89.4 101 130 89.8 101 130				37.9 29.8 82.3 92.3 111 81.7 91.6 112 82.3 91.6 112			35 26.8 75.1 84.1 96.8 73.4 82.8 97.2 73.6 82.7 97.2			30.7 22.5 66.1 73.4 80.3 64.5 71.4 82.6 64.6 71.5 82.6			27.4 19.2 58.8 64.6 57.4 62.8 57.6 62.9						23.4 15.1 50.5 54.2 49.8 54.1 49.8 54.3				
210	- B B2 BW	33.7 104 139 106 144 106 145				38.1 30.4 84.1 96.6 126 84.9 97.8 128 85.5 98.2 128				34.1 26.3 77.7 89 110 77.8 88.7 112 78.3 88.8 112			31.2 23.4 71.8 80.9 96.3 70.6 79.8 97.2 70.8 79.7 97.2			27 19.1 63.8 71.1 82.1 62.3 69.2 82.9 62.4 69.2 82.9			23.7 15.8 56.9 62.9 66.8 55.4 61.1 68.2 55.5 61.3 68.2						19.8 11.8 49 52.8 54.1 48.2 52.7 55 48.1 52.8 55				
220	- B B2 BW	30.5 99.4 135 101 141 101 141				34.7 27.2 79.1 92.7 123 80 94.1 127 80.5 94.5 127				30.7 23.2 73.2 85.6 109 73.8 86.1 111 74.4 86.3 111			27.8 20.3 68.3 77.4 95.6 67.8 76.8 96.6 68 76.8 96.7			23.6 16.1 61.4 68.8 82.2 60.1 67 82.8 60.2 67.2 82.8			20.4 12.8 55.1 61.1 67.4 53.6 59.4 68.5 53.8 59.5 68.4						16.5 8.9 47.3 51.4 54.1 46.5 51.3 55 46.5 51.3 55				

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 295



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

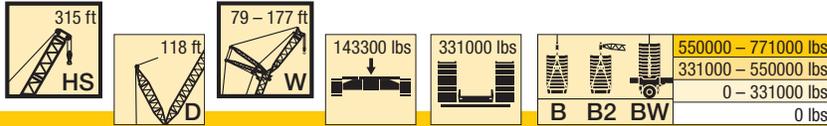
ft		HS 295																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
230	B B2 BW		131 138 138		31.6 74.9 75.8 76.2	24.3 88.8 90.2 90.7	120		27.5 69.2 69.9 70.3	20.3 82.1 83.2 83.4	107		24.7 64.9 65 65.2	17.4 74.4 74.3 74.5	94.7		20.5 58.8 58 58.2	13.2 66.4 65 65.1	81.4		17.4 53.2 51.8 52	10.1 59.4 57.8 57.8	67.5		13.5 45.8 44.9 44.9	49.8 49.9 49.9	53.8		
240	B B2 BW		126 134 134			85 86.5 87.1	117 121 122		24.6 65.4 66.1 66.3	17.6 78.3 79.7 80.1	104		21.8 61.5 62 62.3	14.8 71.5 72.1 72.3	93.4		17.7 56.2 55.9 56.1	10.6 64.1 63.2 63.3	80.2		14.6 51.2 50 50.2	57.6 67.2 56.2 56.1	68.2		10.7 44.3 43.3 43.3	48.4 48.5 48.5	53.5		
250	B B2 BW		122 130 133	123 133			113 119 119		15.1 74.3 75.4 76.1	102		19.1 58.1 58.5 59	12.3 68.5 69.8 70.2	91.8		15 53.5 53.7 54	61.8 61.6 61.8	78.9		11.9 48.9 48.3 48.4	55.8 54.6 54.5	67		42.7 41.6 41.7	47.1 47.1 47.2	53.1			
260	B B2 BW		119 127 127	121 134 134			109 116 116	108 114 112	12.9 70.4 71.6 72.3	100		16.7 54.8 55.1 55.8	10.1 65.6 66.7 67.1	90.3		12.6 50.5 50.7 51.1	61.8 59.5 60 60.3	77.7		9.5 46.6 46.5 46.6	53.9 53.2 53.3	66.5		40.4 39.7 39.8	45.7 45.7 45.8	52.7			
270	B B2 BW		118 133 131				105 113 113	107 116 116		96.9		51.4 51.8 52.3	62.7 63.5 64	88.7		10.4 47.3 47.5 47.9	57 57.7 58.2	76.4		43.8 44 44.1	52 51.9 52.2	66		38.1 37.8 37.9	44.5 44.7 44.6	52.1			
280	B B2 BW		115 133 126				103 110 110	105 116 116		93.8 99.6 99.8	93.2		59.5 60.3 60.8	86.8 90.1 90.4	78.4		8.3 43.7 43.9 44.2	54.5 55.2 55.7	75.1		40.6 40.9 41.1	50 50.3 50.7	65.2		35.7 35.8 35.9	43.3 43.7 43.7	51.6		
290	B B2 BW		111 131 120				103 116 115			91.1 97.5 97.6	92.6 99.6 99.8			84.4 88.8 88.9	79.8		51.8 52.5 53	73.7 76.3 76.4	64.8		37.1 37.3 37.6	47.7 48.3 48.8	64.3		33.2 33.5 33.7	42.1 42.7 42.8	50.9		
300	B B2 BW		108 126 115				100 116 111			89.6 95.3 95.5	91.1 99.9 100			81.8 87.4 87.3	80.6		48.7 49.4 49.7	71.7 75.3 75.4	65.6		33.8 34 34.3	45.2 45.8 46.2	63.3		30.6 30.8 30.9	40.4 41.1 41.3	50		
310	B B2 BW		104 120 109				97.4 113 106			89.2 99.9 98.8				78.8 85.6 85.5	79.9			69.9 74.4 74.3	66.4		30.8 31.1 31.4	42.1 42.5 43.1	62.1		28 28.1	37.8 38.6	49.4		
320	B B2 BW						94.6 110 101			87.1 99.6 96				76.7 82.5 82.8	78.2			68 73.1 73	66.6		38.5 38.9 39.5	61 63.5 63.7	55.9		25.3 25.8	35 35.7	48.6	40.5	
330	B B2 BW									84.9 98.8 92.1				75.9 87.4 86.5				66 71.5 71.3	66.2			59.7 62.8 62.9	56.6		32.2 32.5 33	47.9 49.5 49.5	42.5		
340	B B2 BW									82.6 97.3 88				74 87.3 84.7				64.9 69.7 69.8	65			58.2 61.9 61.9	56.9		29.5 30.1	47.3 48.8 48.9	43.4		
350	B B2 BW									78.8 93.2 84.1				71.9 87.2 80.1					63.8			56.6 60.9 60.9	56.8			46.8 48.4 48.6	44.1		
360	B B2 BW													69.8 84.9 75.8					62.5			55.7 59.3 59.1	56.1			46.5 48.2 48.3	44.6		
370	B B2 BW																			60.9			55.1			46.5	45.1		
380	B B2 BW																			59.4			54			46.5	45.5		
390	B B2 BW																			57.8			52.9				45.4		
400	B B2 BW																						51.7				44.8		
410	B B2 BW																						61.5				48.5		
420	B B2 BW																						55.8				43.1		
430	B B2 BW																										40.5		

TAB 181391 / 181393 / 181397

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HSDWB/B2/BW

HS 315



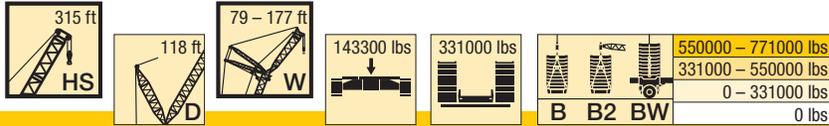
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ft		HS 315																									
		W 79				W 98				W 118				W 138				W 157				W 177					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
55	- B B2 BW	258 298 299 300																									
60	- B B2 BW	239 290 291 292				229 261 262 262				231																	
65	- B B2 BW	222 281 284 284	199 301 303 303			212 255 255 256				204 229 230 230				198 206 207 208													
70	- B B2 BW	207 273 276 276	187 294 296 297			198 247 249 249				192 225 225 226				186 203 204 204													
75	- B B2 BW	194 265 268 268	175 287 288 289			185 240 242 243	167 258 260 260			180 220 220 221				174 199 200 200				166 178 178 179									
80	- B B2 BW	181 258 260 260	164 280 280 281			174 233 236 236	156 252 253 254			169 214 215 215	151 228 230 230			163 195 195 196				156 175 175 175					153 158 158 158				
85	- B B2 BW	171 250 252 252	154 273 272 273			163 227 229 229	146 247 246 247			159 208 209 209	142 224 224 224			153 191 191 191	136 202 203 203			146 180 180 181					144 156 155 155				
90	- B B2 BW	161 243 244 245	145 264 264 265			154 221 222 223	138 241 240 240			150 202 204 204	133 219 219 219			145 185 186 187	128 199 199 199			138 168 168 168	119 177 178 178				136 153 152 152				
95	- B B2 BW	152 235 237 238	137 256 257 257			145 214 216 216	130 234 233 234			141 197 198 199	126 214 213 214			137 180 182 182	121 195 194 195			130 164 164 165	114 174 175 175				128 150 149 149	113 158 157 157			
100	- B B2 BW	129 249 251 251				138 208 209 210	123 227 227 227			134 191 193 193	119 210 208 208			129 176 177 178	114 191 190 191			123 160 160 161	108 172 171 171				121 147 146 146	106 156 155 155			
105	- B B2 BW	122 243 246 246				130 203 204 205	116 222 221 221			127 186 188 188	112 205 203 203			122 171 173 173	108 187 186 186			116 156 156 157	101 169 167 168				115 144 143 143	100 154 152 152			
110	- B B2 BW	116 237 240 240				124 197 198 199	110 216 215 215			120 181 182 183	106 199 197 198			116 167 168 168	102 183 181 182			110 152 153 153	95.9 165 164 164				109 141 140 140	94.7 151 149 149			
115	- B B2 BW					118 192 192 193	104 210 210 210			114 176 177 178	101 194 192 193			110 163 164 164	96.9 179 177 177			104 148 149 149	90.8 162 160 161				103 138 137 137	89.7 149 146 146			
120	- B B2 BW		56.8 286 290 290				99 205 206 206			109 172 173 173	95.8 189 187 188			105 158 160 160	92 175 172 173			99 144 145 146	86 158 157 157				98 135 134 134	85 146 143 143			
125	- B B2 BW		53.4 283 285 286				94.1 200 201 201			104 168 168 169	91 185 182 183			99.9 155 156 156	87.4 171 168 169			94 141 142 142	81.4 155 153 154				93.1 132 131 131	80.6 143 140 140			
130	- B B2 BW		50.2 277 279 280				89.7 196 197 197	43.5 249 250 251			98.9 163 164 165	86.7 180 179 179			95.3 151 152 152	83.1 166 164 165			89.5 138 139 139	77.3 151 150 150				88.7 128 128 128	76.5 140 137 138		
135	- B B2 BW		47.3 271 274 275				41.5 246 247 247				82.7 176 176 176			91.1 147 148 148	79.3 163 161 161			85.4 134 135 135	73.5 148 146 147				84.6 126 125 125	72.8 137 134 135			
140	- B B2 BW		44.5 264 268 270				38.9 243 243 243				78.8 216 217 217	33.5 216 217 217			87.1 143 144 145	75.6 159 157 158	30 194 195 195			81.4 131 132 132	69.9 145 143 143				80.7 123 122 122	69.2 135 132 132	
150	- B B2 BW		39 252 260 261				34 233 234 234				31.1 213 213 213			79.7 136 137 138	68.7 152 151 151	27.7 192 192 192			74.1 125 126 126	63.2 139 137 137				73.5 117 116 116	62.7 129 126 126		
160	- B B2 BW						29.6 223 225 226				26.9 206 206 206				62.6 145 145 145	23.7 188 187 187			67.6 119 120 120	57.2 133 131 131	18 167 167 167				67.1 112 110 111	56.8 125 120 121	
170	- B B2 BW						25.5 213 220 220				23.2 199 198 198				57.3 139 140 140	20.1 182 181 182			61.9 113 127 114	51.9 127 127 126	14.6 164 163 163				61.3 107 106 106	51.5 120 115 115	14.1 148 146 147

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

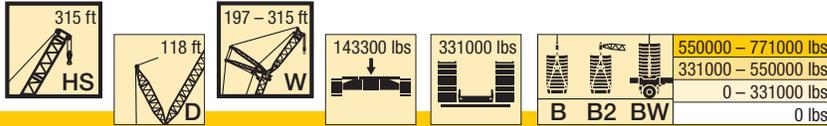
HS 315



ft	-	HS 315																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
180	B B2 BW											19.8				17			47.3	11.6		56.3	46.8	11.2	
190	B B2 BW			216								184				14.1			8.8			51.7	42.6	8.5	
200	B B2 BW			242								188				171			155			96.8	110	142	
210	B B2 BW			227								188				169			153			95.7	107	140	
220	B B2 BW			227								193				176			159			101	111	144	
230	B B2 BW			214								194				176			159			101	111	144	
240	B B2 BW															165			151				105	138	
250	B B2 BW															164			149				103	136	
260	B B2 BW															165			149				103	136	
270	B B2 BW																								
280	B B2 BW																								
290	B B2 BW																								
300	B B2 BW																								

TAB 181391 / 181393 / 181397

H



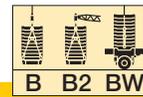
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ft		HS 315																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
80	- B B2 BW	140 141 141 141																											
85	- B B2 BW	137 139 139 139				124 124 124																							
90	- B B2 BW	129 136 137 137				121 122 122 123																							
95	- B B2 BW	122 134 134 135				116 120 120 121				105 106 106 106			92.6 93 93.7																
100	- B B2 BW	115 132 132 132	99.9			110 118 118 118				103 104 104 104			92.1 92.5 92.6 92.6			79.3 79.3 79.3 79.3													
105	- B B2 BW	109 129 130 130	94.1			104 116 116 116	89.6			102 102 103			98.7 90.9 91.2 91.4			78.5 78.5 78.5 78.3					67.5 67.5 67.5 67.5								
110	- B B2 BW	103 127 127 127	88.8			98.5 114 114 114	84.4			93.2 100 101 101	77.5		88.2 89.6 89.9 90.1	92.6		77.1 77.1 77.2 77.2					66.6 66.6 66.6 66.6					56.8 56.8 56.8 56.8			
115	- B B2 BW	97.5 124 125 125	83.9			93.2 111 112 112	79.7			88 98.7 99 99.1	74.4		84 88.3 88.6 88.8	67.6 92.1		75.7 75.8 76 76.1					65.8 65.8 65.8 65.7					56.3 56.3 56.3 56.3			
120	- B B2 BW	92.4 122 122 122	79.3			88.2 109 110 110	75.2			83.2 97.2 97.3 97.4	70		79.3 87 87.3 87.4	66.1 91.6 90.7 90.9		73.7 74.5 74.8 74.8	60.9 78 77.3 77.4				64.6 64.7 64.8 64.8					55.6 55.6 55.6 55.6			
125	- B B2 BW	87.7 119 119 119	75.1			83.6 107 107 108	70.9			78.7 95.6 95.6 95.8	65.9		74.9 85.8 86 86	62.1 90.7 89.6 89.8		69.9 73.3 73.6 73.5	57 77.4 76.4 76.5				63.8 63.8 63.7 63.9	53 66.3 65.6 65.7				54.8 54.9 54.9 54.9			
130	- B B2 BW	83.3 117 117 117	71.1			79.3 105 105 106	67.1			74.5 94 94 94.2	62.1		70.8 84.4 84.5 84.5	58.4 89.8 88.5 88.7		65.9 72.2 72.3 72.2	53.4 76.6 75.4 75.5				61.5 62.8 62.8 63	49.4 65.7 64.9 64.9				54.1 54.1 54.1 54.2			
135	- B B2 BW	79.4 114 114 114	67.5			75.4 103 103 104	63.5			70.7 92.4 92.4 92.6	58.7		67.1 82.8 82.8 82.8	55 88.6 87.3 87.5		62.2 71.1 71 71	50.1 75.6 74.4 74.5				58.4 62 61.9 62	46.2 65.1 64.2 64.3				52 53.3 53.3 53.4			
140	- B B2 BW	75.5 111 111 112	64			71.7 101 101 101	60.1			67 90.8 90.8 91	55.3		63.5 81.2 81.1 81.1	51.7 87.6 86.1 86.3		58.7 70 69.8 69.8	46.9 74.7 73.3 73.4				54.9 61.1 61 61	43.1 64.5 63.6 63.6				49.6 52.4 52.5 52.5			
150	- B B2 BW	68.5 106 107 107	57.6			64.8 97 97.2 97.3	53.8			60.2 87.7 87.6 87.8	49.2		56.8 78.1 77.8 77.8	45.7 84.8 83.4 83.4		52.2 67.7 67.3 67.4	41 72.9 71.2 71.3				48.5 59.4 59.4 59.1	37.3 63.3 62.8 62				44.1 51 50.9 50.9			
160	- B B2 BW	62.2 102 102 102	51.8			58.6 93 93.3 93.2	48.2			54.1 84.4 84.3 84.4	43.7		50.8 75.1 74.6 74.7	40.3 81.8 80.2 80.3		46.3 65.4 64.8 65	35.7 70.8 69 69.2				42.7 57.6 57.2 57.2	32.1 61.9 60.4 60.3				38.4 49.5 49.2 49.3			
170	- B B2 BW	56.5 97.4 97.7 97.8	46.7	130		53 89.6 89.6 89.6	43.1			48.7 80.7 80.9 80.9	38.7		45.5 72.2 71.7 71.7	35.5 78.8 76.9 77.1		41 63.2 62.5 62.8	31 68.3 66.8 66.9				37.5 55.9 55.3 55.4	27.4 60.4 58.7 58.7				33.3 48 47.6 47.6			
180	- B B2 BW	51.5 93.2 93.8 94.1	42.1	129		48.1 85.8 85.7 85.9	38.7			43.9 77.1 77 77	34.3		40.8 69 68.8 68.8	31.2 76 74.1 74.2		36.4 61 60.3 60.5	26.8 66.2 64.5 64.7				32.9 54.1 53.4 53.5	23.3 58.4 57 56.9				28.8 46.5 45.8 45.8			
190	- B B2 BW	47 89.2 89.6 90.3	37.9	127		43.6 81.8 82 82.3	34.6	112		39.5 73.3 73.1 73.2	30.4	97.1	36.4 66.4 66.1 66	27.3 73.4 71.4 71.5		32.1 58.6 58.1 58.3	22.9 64.2 62.4 62.5				28.7 52.3 51.5 51.5	19.5 56.7 55.2 55.1				24.7 45 43.7 43.7			
200	- B B2 BW	42.8 84.6 85 86.1	34.1	124		39.5 77.8 78.4 78.8	30.8	111		35.4 70.1 69.7 69.9	26.7	96.3	32.4 63.7 63.3 63.3	23.7 70.8 68.7 68.8	84.8	28.2 56.4 56 56.1	19.3 62.2 60.4 60.3				24.9 50.3 49.7 49.8	16 55 53.4 53.4				20.9 43.2 41.4 41.4			
210	- B B2 BW	30.6 92.7 91.7 91.5	21	120		35.7 74.2 74.6 75.1	27.4	108		31.7 67.1 67.2 67.6	23.3	95.3	28.8 61 60.7 60.7	20.4 68.3 66.1 66.1	83.8	24.5 54.3 53.8 54	16.1 60.3 58.4 58.3	69.1			21.3 48.2 47.9 48	12.8 53.4 51.7 51.6	57.5			17.4 41.6 39.2 39.1			
220	- B B2 BW	27.5 88.9 88.5 88.4	118			32.4 70.2 70.6 71	24.3	106		28.4 64.3 64.6 65.1	20.3	94	25.5 58.6 58.8 58.9	17.4 65.8 63.6 63.5	82.3	21.3 52 51.7 51.8	13.2 58.4 56.3 56.3	69.2			18.1 46.5 46.1 46.1	9.9 51.8 49.9 49.9	58.6			14.2 39.7 37.6 37.5			

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 315



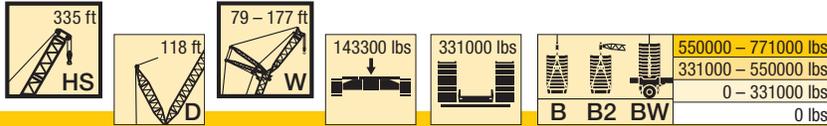
550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft		HS 315																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
230	- B B2 BW		115 113 113			29.3 66.5 66.9 67.3	21.5 78 76.6 76.6	103 103 102 102		25.3 61.3 61.6 62.1	17.5 70.2 68.6 68.5	92.4 91.1 91.4		22.5 56.5 56.9 57	14.6 63.6 61.6 61.4	81.4 80.3 80.7		18.3 50.1 49.9 50.1	10.4 56.4 54.3 54.3	68.7 67.9 67.9		15.2 44.4 44.3 44.2	50.2 48.2 48.2	58.8 58.3 58.2		11.3 37.7 36 36	42.9 41.1 41.1 39.4	47.7 48.3 48.4	
240	- B B2 BW		112 110 111			74.3 73.9 73.8	101 99.2 99.7			22.5 58.2 58.5 58.9	14.9 67.3 66.2 66.2	90.6 89.1 89.3		19.7 54.3 54.7 54.9	12.1 61.6 59.8 59.7	79.8 78.3 78.6		15.6 48.2 48.4 48.5	54.6 51 52.5	67.9 66.9		12.4 42.5 42.3 42.3	48.5 46.5 46.4	58.5 57.8 57.7		35.6 34.5 34.5	41.1 39.3 37.8	48 48.2 48.2	
250	- B B2 BW		110 108 109	107 117			98.4 96.6 97			12.5 64.5 63.7 63.8	88.5 86.9 87.2			17.1 51.5 51.9 52.2	9.7 59.5 58 7.6	78.2 76.6 76.7		13 46.3 46.8 46.9	52.8 51 51	67.1 65.9		9.9 40.4 40.1 40.4	46.8 44.8 44.7	57.9 57.2 57.2		33.6 33.1 33.1	39.2 37.3 36.5	47.7 47.8 48	
260	- B B2 BW		107 106 106	106 120			96.7 95.3 95.5	93.9 92		10.3 61.7 61.5 61.4	86.6 84.8 85			14.7 48.7 49 49.4	7.6 57 56.2 56.1	76.1 74.8 74.9		10.6 43.5 43.9 44.2	51 49.5 49.5	65.9 64.6		7.5 38.3 38.2 38.5	44.6 42.8 42.8	57.2 56.4 56.5		32.3 32 32	37.3 35.3 35.1	47 47.3 47.5	
270	- B B2 BW		104 103 103	104 121			94.6 93.5 93.6	93.5 102 103		8.5 83.2 83.2				45.7 45.9 46.4	54.8 54.3 54.3	74.3 72.8 72.9		8.4 40.2 40.7 41	48.8 48 47.9	64.5 63.3 63.3		36 36.2 36.5	43.3 40.8 40.9	56.4 55.5 55.5		31 30.9 30.9	35.6 33.9 33.9	46.5 46.8 46.9	
280	- B B2 BW			102 121 119			92.3 91.3 91.4	92.5 104 104		83.4 81.7 81.7	79.8 86.9 87			52.3 52.4 52.4	72.8 71 71.1			37 37.4 37.8	47 46.4 46.3	63.1 61.8 62		33.7 33.9 34.2	41.8 39 39	55.4 54.4 54.5		29.5 29.6 29.8	34.1 32.8 32.8	46 46.1 46.2	
290	- B B2 BW			99.2 119 114				91.1 105 105		81.5 79.8 79.9	79.1 88.8 88.9			71.5 69.5 69.5	68.6 72.2 72.3			44.8 44.7 44.5	61.8 60.4 60.5			31.3 31.5 31.7	39.9 37.2 37.2	54.3 53.2 53.3		27.9 28.1 28.4	32.9 31.7 31.8	45.4 45.3 45.3	
300	- B B2 BW			96.6 115 108				89.4 105 104		78.6 76.7 76.9	78.1 89.8 90.1			70.4 68.1 68.3	68.3 74.3 74.3			41.3 43.1 42.9	60.7 59 59.2	49.8 58.1 53.8		28.8 29.1 29.3	37.5 35.9 35.9	53.3 52.1 52.1		25.4 25.8 26	31.8 30.6 30.7	44.7 44.4 44.4	
310	- B B2 BW			93.6 110 103				87.2 104 99.3		76.9 75.2 75.3	76.7 90.3 90.6			68.7 66.6 66.8	67.8 75.7 75.7			59.7 57.9 58	57.7 60.8 60.9			26.3 26.5 26.8	35 34.4 34.5	52.3 51 51		23.1 23.4 23.7	30.2 29.3 29.3	44 43.4 43.5	
320	- B B2 BW			91.1 105 98.2				84.9 102 94.8		75 90.2 89.4			66.7 65.2 65.3	66.8 76.5 76.6				58.7 56.8 56.9	57.5 62.3 62.3			32.3 32.5 32.8	51.4 50 49.9	48.7 50.5 50.5		20.8 21.4 21.4	28.4 28.3 28.3	43.2 42.3 42.5	34.1 35.5 35.6
330	- B B2 BW							82.4 97.7 90.8		72.9 89.6 86.3			65.5 76.9 76.8					57.6 55.8 55.9	57 63.4 63.4			50.5 48.9 48.8	49.2 51.8 51.8			26.6 26.5 27	42.2 41 41.2	35 36.6 36.7	
340	- B B2 BW							78.5 93.2 87.2		70.8 87.2 81.8			64.2 77.1 75.6					56.6 54.9 55.1	56.2 63.9 64.1			49.7 47.8 47.9	49 52.9			24.2 24.9 25.1	40.7 39.2 39.4	35.7 37.4 37.4	
350	- B B2 BW									68.8 83.5 77.4			62.7 76.1 73.2					55.8 54.4 54.5	55.1 64.1 64.1			48.9 47.2 47.3	48.5 53.7 53.7			39.3 37.5 37.6	36.4 38 38.2		
360	- B B2 BW									67.1 79.5 73.5			61.2 74.3 70					54 46.4 63.6	64.1 63.6			48 46.5	47.8 54.3 54.3			38.4 36.7 36.7	36.7 39.2 38.8		
370	- B B2 BW												59.6 71.7 66.6					52.9 64 62.2				47 54.6 54.7			37.8 36.3 36.4	36.7 40.8 39.4			
380	- B B2 BW												58.3 68.6 63.6					51.7 63.9 59.6				46 54.7 54.8			37.1 35.8 36	36.4 42 40.2			
390	- B B2 BW																	50.5 61.6 57				45 54.8 53.1			37.1 35.7 35.9	35.8 42.4 41.7			
400	- B B2 BW																	49.6 59.2 54.6				44 54.3 51.2			35.1 42.8 41.8				
410	- B B2 BW																					42.7 53.1 49.2			34.4 43.1 40.9				
420	- B B2 BW																								33.6 43.1 39.4				
430	- B B2 BW																								32.9 41.2 37.5				
440	- B B2 BW																								32.4 39.5 36				

H

HSDWB/B2/BW

HS 335



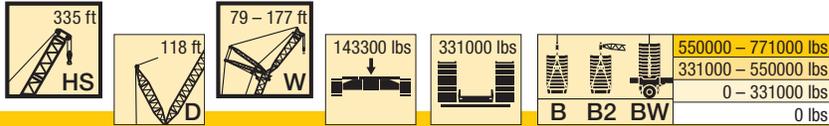
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ft		HS 335																									
		W 79				W 98				W 118				W 138				W 157				W 177					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
55	- B B2 BW	247 262 263 263																									
60	- B B2 BW	228 256 257 257				221 230 231 231																					
65	- B B2 BW	212 249 249 250	261 264 264			205 225 226 226				195 202 202 203				181 182 182 183													
70	- B B2 BW	198 241 242 242	171 256 258 258			192 219 220 220				184 198 198 199				175 178 179 179													
75	- B B2 BW	185 234 235 235	165 250 251 251			179 213 213 214	159 227 227 228			172 193 193 194				166 175 175 175							156 157 156 157						
80	- B B2 BW	174 227 228 228	155 244 244 244			168 207 207 208	149 222 222 222			161 187 188 188	142 199 200 200			156 171 171 171							151 154 153 154			138 139 140 140			
85	- B B2 BW	163 220 221 221	145 237 237 237			158 201 201 202	140 216 216 216			152 182 183 183	133 196 196 196			147 166 167 167	128 176 177 177						142 151 150 150			136 137 137 138			
90	- B B2 BW	154 214 216 216	137 231 230 231			149 195 195 196	132 211 210 210			143 178 178 178	126 191 191 191			138 162 163 163	121 174 174 174						134 148 147 147			129 134 135 135			
95	- B B2 BW	146 209 211 211	129 226 223 224			141 189 190 190	124 206 204 205			135 173 173 173	118 186 186 186			131 158 159 159	114 171 170 169						126 144 143 143	110 154 152 152			122 131 132 132		
100	- B B2 BW	122 220 217 218	109 210 208 209			134 184 185 185	118 201 198 199			128 168 168 168	112 182 180 181			123 154 155 155	107 167 166 165						119 141 140 140	103 151 149 149			116 129 129 129	99.4 136 136 136	
105	- B B2 BW	115 215 213 214	109 210 208 209			127 179 181 181	111 196 192 193			121 163 164 164	106 178 176 176			117 150 151 151	101 163 162 162						113 137 136 136	97.5 148 146 146			109 126 126 126	93.7 134 134 134	
110	- B B2 BW	109 210 208 209				120 175 177 176	106 191 187 187			115 159 159 159	100 174 171 171			111 146 146 147	95.9 159 157 157						107 134 133 133	92.2 146 142 143			104 123 123 123	88.6 132 131 131	
115	- B B2 BW					115 171 172 172	100 186 183 183			109 155 155 156	94.8 170 167 167			105 143 143 143	90.9 155 153 153						102 131 129 130	87.3 142 139 139			98.3 120 120 120	83.8 130 128 128	
120	- B B2 BW						95.1 182 179 179			104 151 152 152	90 166 162 162			100 139 139 139	86.2 152 149 149						96.7 128 126 126	82.7 139 135 136			93.4 117 117 117	79.4 127 126 126	
125	- B B2 BW		44 240 237 237				90.4 178 175 175			99 148 149 149	85.4 162 158 158			95.4 136 135 135	81.8 149 145 146						91.9 125 123 123	78.4 136 132 132			88.7 114 114 114	75.2 125 123 123	
130	- B B2 BW		41.2 236 232 233				86.1 175 171 171	36.8 211 209 209		94.4 144 146 145	81.3 158 154 155			90.9 133 132 132	77.8 145 142 142						87.6 122 120 120	74.5 133 129 129			84.4 112 111 111	71.3 122 120 120	
135	- B B2 BW		38.6 232 227 228				35 209 206 206				77.5 155 151 151			86.9 130 130 130	74.1 142 138 138						83.6 119 117 117	70.8 130 126 126			80.5 109 109 109	67.8 119 117 117	
140	- B B2 BW		36 227 222 223				32.6 205 202 202				73.8 152 148 148	25.4 182 179 179			83 127 127 127	70.6 139 135 135						79.7 116 114 114	67.3 127 122 123			76.8 107 106 106	64.4 116 114 114
150	- B B2 BW		31.3 218 213 213				28.2 198 194 194				23.2 179 176 176			75.9 121 122 122	64.1 133 130 130						72.7 111 109 109	60.9 121 116 117			69.8 102 101 101	58.1 111 108 109	
160	- B B2 BW						24.2 191 186 186				19.5 173 169 169				58.2 128 125 125	16.2 157 154 155						66.3 106 105 104	55.2 116 111 111	13 141 138 138		63.6 97.7 96.6 96.7	52.5 107 103 103
170	- B B2 BW						20.5 186 181 181				16.1 167 162 162				53 124 119 119	13 152 148 149						60.6 101 99.7 99.8	9.9 50 112 107			58 93.7 93.3 93.3	47.5 102 98.5 98.7

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 335

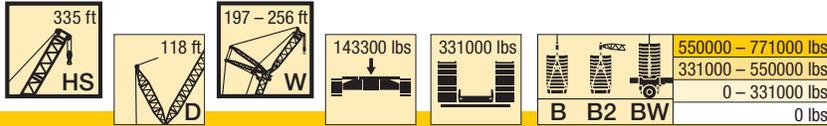


ft		HS 335																															
		W 79				W 98				W 118				W 138				W 157				W 177											
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°								
180	- B B2 BW											13.1 161 157 157							10.2 148 143 143							45.5 108 102 102	134 129 129			53.2 89.5 89.8 89.7	43 98.8 95.3 95.6	121 119 119	
190	- B B2 BW											157 151 152							142 137 137							130 124 125			48.7 85.9 86.3 86.3	39 95.6 91.8 92.2	118 115 115		
200	- B B2 BW			187 213 206												137 132 132										125 120 120			35.2 92.5 88.2 88.5	114 111 111			
210	- B B2 BW								168 193 190																		121 115 115				111 107 107		
220	- B B2 BW								162 185 179				148 167 167				76.2 147										118 112 113				107 102 103		
230	- B B2 BW								156 176 170				145 165 163				134 146 147										114 108 109				104 99.5 100		
240	- B B2 BW												140 160 156				130 145 146										118 127 127				102 97.2 97.5		
250	- B B2 BW																127 143 143										116 126 126				105 111 111		
260	- B B2 BW																122 139 137										113 124 124				103 111 111		
270	- B B2 BW																118 133 130										110 121 122				101 110 110		
280	- B B2 BW																										106 118 118				98.5 108 108		
290	- B B2 BW																														95.8 106 106		
300	- B B2 BW																														92.9 104 104		
310	- B B2 BW																														90.6 103 101		

H

HSDWB/B2/BW

HS 335



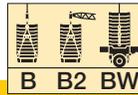
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ft		HS 335																
		W 197				W 217				W 236				W 256				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
80	- B B2 BW	122																
85	- B B2 BW	122 122 122 123				108 108 108 108												
90	- B B2 BW	119 120 120 120				107 107 107 107												
95	- B B2 BW	115 117 118 118				104 105 105 105				92.7 92.7 92.7 92.7								
100	- B B2 BW	109 115 115 115	93.2 121 122 122			102 103 103 103				90.8 91.3 91.4 91.4				80.3 80.2				
105	- B B2 BW	103 112 113 113	87.7 119 119 119			98.9 101 101 101	83.2 106 106 106			89.5 89.6 89.9 90.1				78.8 78.7				
110	- B B2 BW	97.8 110 110 110	82.7 117 117 117			93.5 98.7 99.1 99.1	78.4 104 104 104			87.2 88 88.3 88.6	71.6 91.6 91.8 91.9			77.4 77.5				
115	- B B2 BW	92.7 107 108 108	78.1 115 115 115			88.4 96.8 97 97.2	73.8 103 103 103			83.3 86.5 86.8 87	68.6 90.7 90.9 91			76 76.2				
120	- B B2 BW	87.8 105 105 105	73.7 114 112 113			83.7 94.9 95.1 95.2	69.6 101 101 101			78.7 84.9 85.1 85.3	64.5 89.3 89.6 89.7			74.6 74.8	78.1 78.2			
125	- B B2 BW	83.3 103 103 103	69.6 112 110 110			79.2 93.1 93.1 93.3	65.6 99.7 98.8 99			74.3 83.1 83.3 83.5	60.6 88.3 88.2 88.2			73.1 73.2	76.9 77.1			
130	- B B2 BW	79.1 100 100 101	65.9 110 108 108			75.1 91.2 91.1 91.3	61.9 98.2 96.9 97.2			70.3 81 81.2 81.4	57 87.1 86.7 86.8			71.7 71.7	75.6 75.9			
135	- B B2 BW	75.3 98.4 98.1 98.4	62.5 107 105 105			71.4 89.3 89.3 89.2	58.5 96.7 95.2 95.4			66.6 79.1 79.1 79.3	53.7 85.8 85.1 85.2			70.2 70.2	74.3 74.5			
140	- B B2 BW	71.6 96.3 95.9 96.1	59.1 105 103 103			67.8 87.6 87.4 87	55.3 95 93.4 93.5			63.1 77.1 77 77.3	50.5 84.5 83.5 83.7			68.7 68.7	72.9 73.1			
150	- B B2 BW	64.8 92.4 91.6 91.8	53 101 98.4 98.4			61.1 84.2 83.8 82.7	49.3 91.5 89.6 89.7			56.6 73.8 73.3 73.6	44.7 81.3 79.7 79.9			65.7 65.7	70.2 70.3			
160	- B B2 BW	58.7 88.8 87.7 87.7	47.5 96.5 93.9 94.1			55.1 80.6 79.9 78.4	43.9 87.8 85.5 85.9			50.7 70.7 70 70.2	39.4 77.8 75.7 75.9			62.9 62.9	67.5 67.5			
170	- B B2 BW	53.3 85 83.8 83.7	42.6 92.8 89.9 89.9	108 107 107		49.8 76.7 75.5 74.8	39.1 84.4 80.7 82.3			45.4 67.6 66.7 66.8	34.7 74.2 72.1 72.2			60.3 60.4	64.8 64.7			
180	- B B2 BW	48.5 81 80.3 80.2	38.3 89.3 86.1 86	106 105 105		45 72.9 71.4 71.4	34.8 80.8 76.9 78			40.8 65 63.7 63.9	30.5 71.1 68.7 68.8			57.8 57.8	62.2 62.1			
190	- B B2 BW	44.1 77.1 76.8 76.7	34.3 86.2 82.4 82.5	104 102 102		40.7 69.7 68.4 68.6	30.9 77.1 73.4 73.8	92.8 91.2 91.4		36.5 62.4 60.8 61	26.7 68.3 65.6 65.6			55.3 55.4	59.5 59.6			
200	- B B2 BW	40.1 73.2 73.4 73.3	30.6 83.3 78.8 79.2	102 99.3 99.1		36.7 66.8 66 66.1	27.4 73.8 70.3 70.1	90.8 89.2 89.4		32.6 59.9 58.4 58.5	23.2 65.7 62.7 62.8	79.4 77 77.1		53 53	56.8 57.1	66.9 66.9		
210	- B B2 BW		27.3 80.1 75.3 75.8	98.9 95.8 96.1		33.1 63.9 63.5 63.6	24.1 71.3 67.8 67.7	88.9 86.9 87.1		29 57.6 56.5 56.6	20 63 59.8 59.9	77.6 75.3 75.5		50.7 50.6	54.5 54.6	65.7 65.8		
220	- B B2 BW		24.3 76.7 71.9 72.2	96.1 92.7 92.8		29.8 60.9 60.9 61	21.1 68.8 65.3 65.3	86.8 83.8 84.3		25.8 55.3 54.7 54.7	17.1 61 58.1 58.2	75.3 73 73.2		49.1 49	52.3 52.2	64.3 64.4		

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

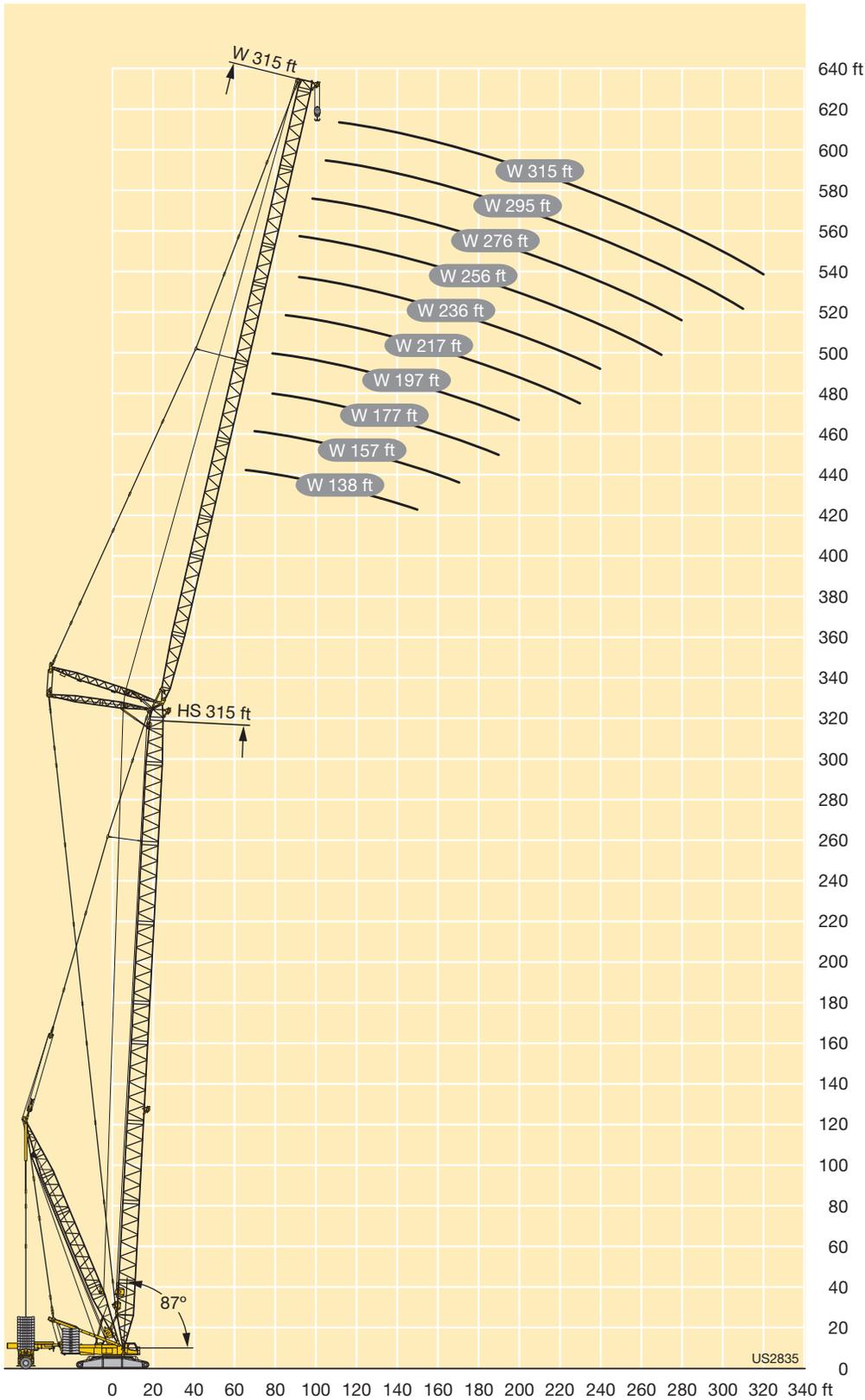
HS 335

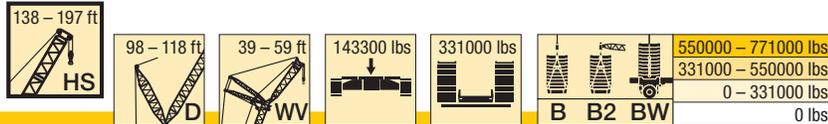


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft		HS 335															
		W 197				W 217				W 236				W 256			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
230	- B B2 BW			93.4 89.4 89.7		26.9 58.3 58.5 58.6	18.4 66.4 62.7	84.6 80.3 80.9		22.9 52.5 52.7 52.6	14.4 59.1 56.4 56.4	73.3 70.6 70.9		47.4 47.3	50.5 50.4	62.7 62.8	
240	- B B2 BW			91 86.7 87.2			64.3 60.2 60.2	81.9 77 77.4		20.1 50.2 50.5 50.6	11.9 57.2 54.5 54.4	71.2 68.2 68.6		45.4 45.2	48.9 48.9	61 61.1	
250	- B B2 BW			88.8 85 85.4				78.7 74.4 74.5			9.6 55.4 52.2 52.2	69.1 65.8 66.1		42.7 42.7	47.3 47.4	59.2 59.3	
260	- B B2 BW			86.9 82.5 82.7	91.4 88.4 95.1			76.2 72.6 72.6			7.6 53.7 50 50.1	67 63.6 63.8		39.9 39.9	44.6 45.6	57.3 57.6	
270	- B B2 BW			84.5 78.8 79	90.6 95.2 95.3			74.5 70.9 70.9				65.2 61.8 61.9		37.8 37.9	41.5 43.7	55.4 55.7	
280	- B B2 BW				89.1 94.7 94.8			72.7 68.7 68.7	78.1 82.7 82.7			63.6 60.3 60.5			39.1 41	53.7 54	
290	- B B2 BW				87.2 93.6 93.7				76.8 82.4 82.6			62.3 59.1 59.3	66.3 68.2 68.1				52.2 52.5
300	- B B2 BW				85.2 92.1 92.4				75.3 81.3 82.1			60.7 57.2 57.5	65.7 68.3 68.4				51.2 51.3 52.1
310	- B B2 BW				82.2 90.5 90.7				73.5 79.6 80.7			59.2 55.2 55.5	64.7 68 68.1			49.9 50	58.3 58.4
320	- B B2 BW				79.2 89.7 89.2				71.6 78 78.7				63.5 67.4 67.5			48.5 48.5	58.3 58.3
330	- B B2 BW							69.5 76.6 76.7				62.1 66.5 66.6					58.1 58.1
340	- B B2 BW							67.3 76.1 75.4				60.5 65.4 65.6					57.6 57.7
350	- B B2 BW							65.6 76 74.1				59 64.2 64.6					56.9 56.9
360	- B B2 BW											57.5 63.7 64.2					56 56.1
370	- B B2 BW																55.2 55.5
380	- B B2 BW																55.2 55.5
390	- B B2 BW																55.2 55.1

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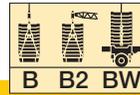




ft	HS 138				HS 157				HS 177				HS 197							
	D 98								D 118				D 118				D 118			
	W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59					
	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°				
45	-	425						421												
	B	1049						1001												
	B2	1120						1045												
BW	1091						1028													
50	-	382						379												
	B	995						968												
	B2	1067						1016												
BW	1048						995													
55	-	336	343	335				334	342	332				320	328	320				
	B	927	931	824				928	919	812				881	866	793				
	B2	1000	1004	839				978	967	821				926	909	803				
BW	994	992	837				953	946	818				906	894	806					
60	-	297	303	297	307			295	302	295	305					272				
	B	859	859	809	839			886	882	809	820					794				
	B2	931	931	847	886			937	931	825	858					813				
BW	938	941	848	880			910	907	817	845					823					
65	-	264	270	266	275			263	269	264	273			252	259	253				
	B	793	796	784	790			840	844	797	796			811	809	765				
	B2	860	864	846	852			892	894	831	841			861	858	798				
BW	880	882	850	857			861	866	817	820			836	833	792					
70	-	237	242	239	247			236	242	237	246			226	232	228				
	B	736	736	736	736			793	796	770	770			771	773	740				
	B2	800	799	797	798			844	846	814	817			820	822	783				
BW	824	821	807	817			809	814	793	788			791	793	769					
75	-	213	218	216	223			212	217	214	222			203	208	205				
	B	686	685	685	687			748	748	735	738			729	732	710				
	B2	745	744	742	746			798	798	782	786			778	781	756				
BW	770	766	758	767			760	762	755	753			744	749	736					
80	-	192	196	195	202			191	196	194	201			182	187	185				
	B	640	641	638	643			704	703	694	700			689	691	676				
	B2	696	698	692	699			752	752	741	748			736	739	721				
BW	718	716	711	712			714	713	709	713			700	703	696					
85	-	173	177	177	183			172	177	175	182			164	168	167				
	B	594	598	601	601			661	662	655	658			652	651	641				
	B2	646	652	653	654			707	708	701	704			696	697	685				
BW	666	667	670	662			671	672	666	669			661	661	656					
90	-	157	161	161	167			156	160	159	166			148	152	152				
	B	557	559	565	567			618	621	621	621			615	616	609				
	B2	607	611	614	617			662	665	665	664			657	659	651				
BW	622	622	629	625			627	631	631	631			623	625	620					
95	-	143	146	147	152			142	145	145	151			134	138	138				
	B	523	525	529	534			581	583	587	587			578	580	578				
	B2	570	574	575	581			622	624	629	618			621	619	620				
BW	581	582	588	588			589	592	596	597			586	588	587					
100	-	130	132	134	139			128	132	132	137			121	124	125				
	B	491	493	496	502			548	550	553	556			543	546	548				
	B2	535	541	540	546			588	589	593	596			581	584	587				
BW	541	543	550	553			556	558	561	565			550	553	557					
105	-	117	119	122	126			116	119	120	125			109	112	113				
	B	458	461	469	473			520	521	519	525			512	513	518				
	B2	500	507	511	515			558	559	557	562			549	550	555				
BW	501	504	518	520			527	529	526	533			519	520	526					
110	-	105	107	111	115			106	108	109	114			98.5	101	103				
	B	432	435	443	448			491	493	494	497			488	489	488				
	B2	471	477	482	488			527	529	531	532			523	524	524				
BW	471	474	487	490			498	500	502	504			494	495	496					
115	-	95.2	96.9	101	104			95.8	98.2	99.6	104			88.8	91.4	92.9				
	B	408	410	417	424			465	466	471	473			463	464	464				
	B2	443	448	453	460			499	500	506	507			496	498	498				
BW	443	445	456	461			471	473	478	479			469	470	471					
120	-	86.3	87.7	91.9	94.8			86.7	88.8	90.6	94.4			79.8	82.3	84				
	B	384	386	393	401			441	442	448	450			438	440	442				
	B2	415	419	426	434			475	475	481	483			470	472	475				
BW	416	418	427	433			447	449	454	457			444	446	449					
125	-	78.1	79.3	83.7	86.3			78.2	80.1	82.2	85.8			71.5	73.7	75.7				
	B	360	362	373	379			422	423	425	428			414	416	422				
	B2	388	391	403	410			454	454	456	460			444	447	454				
BW	388	390	403	407			427	429	431	434			419	421	429					
130	-	69	70.2	74.8	77.4			69.9	71.5	74.6	77.9			64	66	68.2				
	B	339	341	354	360			402	403	404	406			396	397	402				
	B2	364	366	381	388			433	434	434	437			426	428	432				
BW	364	366	381	386			407	409	410	411			401	403	408					
135	-	62.2	63.2	67.9	70.2			63.2	64.5	67.8	70.9			57.2	59.1	61.5				
	B	320	322	335	341			383	385	386	388			379	380	384				
	B2	341	344	360	366			413	414	416	418			408	410	413				
BW	341	343	359	365			389	390	392	394			384	386	390					

Further lengths on request - Autres longueurs sur demande

TAB 181470 / 181472 / 181476

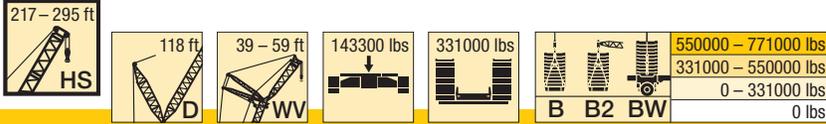


550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		HS 138				HS 157				HS 177				HS 197				
		D 98								D 118								
		W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59		
		12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	
140	-	56.2	57	61.7	63.6	57	58.1	61.3	64.1	50.7	52.4	55	58.2	45.3	47.2	49.7	53.2	
	B	302	304	316	322	365	367	370	372	362	363	366	368	358	359	362	365	
	B2 BW	320 320	322 321	338 337	345 343	393 371	395 372	399 376	401 378	390 367	391 368	395 372	397 374	387 364	388 365	390 368	393 371	
150	-	44.7	45.2	50.3	51.9	45.2	46	49.4	51.8	39	40.3	43.2	45.9	33.6	35.2	38	41.1	
	B	265	267	282	288	331	334	339	340	331	331	335	337	327	328	331	334	
	B2 BW	278 278	279 279	299 298	305 305	357 339	360 340	366 344	368 346	357 335	358 337	362 340	363 342	354 333	355 334	357 336	359 339	
160	-	34.2	34.3	40.1	41.6	34.3	34.8	39	40.9			29.6	32.8	35.1			27.6	30.3
	B	227	228	252	257	299	303	308	311	302	303	307	309	300	300	304	306	
	B2 BW	237 237	238 238	264 263	269 269	322 310	326 311	333 315	336 317	326 307	328 308	333 313	335 314	324 305	325 305	329 309	330 311	
170	-	25.1	24.8	30.8	31.9	25	25.3	29.8	31.4			20.3	23.6	25.5			18.5	20.8
	B	194	195	221	226	266	268	281	285	278	278	281	283	274	275	279	281	
	B2 BW	198 198	198 198	229 229	234 235	287 281	290 280	304 292	308 293	301 282	302 283	305 286	307 288	298 279	299 280	303 284	304 286	
180	-			22.9	23.4			21.8	23									
	B			187	193	229	230	254	257	253	252	260	262	253	254	257	258	
	B2 BW			198 199	203 201	251 247	252 248	274 269	279 269	274 258	274 259	282 266	285 267	276 258	276 258	279 261	280 263	
190	-							225	227	224	224	240	241	233	232	238	239	
	B			162	163	198		244	248	245	244	260	263	254	254	258	260	
	B2 BW			166 167	168 167	212 211		242 243	243 243	235 237	246 246	246 246	238 238	238 238	242 243	243 243		
200	-							194	195	193	194	218	219	211	210	220	221	
	B							214	216	214	214	237	239	232	231	240	241	
	B2 BW							213 215	210 213	210 213	225 226	218 219	218 219	218 219	224 225	224 225		
210	-											192	194	187	189	203	202	
	B											211	214	207	209	221	221	
	B2 BW											205 207	207 207	200 203	207 207	207 207		
220	-											165	167	163	163	183	183	
	B											185	187	182	183	200	201	
	B2 BW											184 185	185 185	181 181	190 190	193 193		
230	-											142		136		162	164	
	B											156		154		179	181	
	B2 BW											156 156		154 154		174 178		
240	-														140	142		
	B														157	158		
	B2 BW														156 159			

Further lengths on request - Autres longueurs sur demande

TAB 181470 / 181472 / 181476



ft		S 217				S 236				S 256				S 276				S 295	
		D 118		D 118		D 118		D 118		D 118		D 118		D 118		D 118			
		W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59		W 59	
		12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°
55	- B B2 BW	298 733 764 761				288 652 673 674													
60	- B B2 BW	263 723 757 750	271 706 735 729	264 636 661 661		254 646 672 673	262 623 646 650	255 567 580 581		246 562 573 574				236 502 515 515					
65	- B B2 BW	234 703 740 730	241 694 727 716	236 634 661 662	243 601 617 623	226 640 668 666	234 625 650 651	228 562 580 581		219 558 567 569	222 545 557 557	217 482 489 489		210 500 515 516	214 488 497 501	209 436 429 443			199 392 399 399
70	- B B2 BW	210 682 724 710	216 677 713 701	211 626 655 652	221 603 626 627	203 631 647 656	209 617 647 644	204		195 551 563 563	202 540 553 551	198 478 487 486		188 492 508 514	194 487 501 501	190 435 446 446			181 391 398 399
75	- B B2 BW	188 660 703 686	194 658 696 682	190 616 648 640	199 598 625 623	181 620 654 643	187 609 643 636	184 550 574 572	193 527 549 551	175 545 557 558	181 535 549 547	177 473 482 482	187 459 467 467	168 488 506 511	174 481 499 499	170 432 445 444	180 417 427 428		162 388 398 398
80	- B B2 BW	168 637 680 658	174 636 676 658	171 604 638 625	179 588 621 614	162 605 642 627	168 599 635 624	165 551 574 574	173 523 547 551	156 537 549 550	162 530 543 543	159 467 477 478	168 456 463 464	150 486 507 507	155 477 496 497	153 429 441 441	162 416 427 427	144 386 397 398	154 373 383 383
85	- B B2 BW	151 614 656 629	156 612 653 629	154 586 622 605	161 579 616 603	145 586 624 605	151 582 620 603	148 546 570 569	156 527 552 553	140 522 538 534	145 521 536 534	143 462 473 474	151 452 460 460	134 480 503 502	139 473 493 494	137 425 439 440	145 410 423 426	129 385 397 397	137 371 383 383
90	- B B2 BW	136 589 631 601	141 588 629 601	139 567 603 582	146 561 600 582	131 567 606 583	135 563 602 581	134 533 560 552	141 523 549 548	125 517 536 533	130 513 530 528	129 455 467 466	136 448 456 457	119 468 497 488	124 462 486 483	123 421 436 437	131 409 423 424	115 383 396 397	123 370 383 383
95	- B B2 BW	122 563 603 572	126 562 603 572	125 547 585 560	132 542 581 559	117 546 584 560	122 544 549 558	120 519 541 535	127 512 541 535	112 509 531 527	117 504 524 521	115 449 462 461	123 441 452 451	107 461 491 485	111 452 482 480	110 411 432 431	117 406 420 421	102 379 393 395	110 368 383 383
100	- B B2 BW	110 535 573 543	114 535 574 544	113 526 564 536	119 523 561 536	105 524 563 535	109 505 538 518	108 499 529 517	115 499 521 516	100 497 521 511	104 494 516 511	104 444 455 457	110 435 447 445	94.8 454 484 486	99.1 447 478 478	98.3 404 427 425	105 399 417 417	90.8 374 391 393	98.1 366 381 382
105	- B B2 BW	98.2 506 544 514	102 508 545 516	101 503 541 513	107 503 540 512	93.6 500 537 510	97.4 490 527 501	96.9 485 518 499	103 488 518 499	89.1 480 506 498	93 482 505 488	92.5 438 449 451	98.8 432 443 443	83.9 446 478 480	88 441 472 473	87.5 397 422 423	94 390 414 409	80.2 368 393 394	87 363 377 380
110	- B B2 BW	88 478 514 485	91.3 481 516 488	91.3 480 516 489	96.8 481 517 490	83.6 475 511 484	87.1 476 512 485	87 470 504 481	92.7 470 504 476	79.2 460 486 477	82.9 462 486 477	82.7 430 442 443	88.6 427 438 438	74.3 433 464 462	78.1 431 461 461	77.9 392 417 418	84 384 409 408	70.8 362 392 393	77.2 358 381 382
115	- B B2 BW	78.6 452 486 458	81.7 455 487 461	81.9 457 491 465	87.1 459 494 467	74.3 451 485 459	77.6 450 487 460	77.8 451 484 459	83.1 440 485 461	70.1 442 467 454	73.5 442 468 455	73.6 417 431 430	79.2 418 431 429	65.3 418 448 444	68.8 417 448 444	69 385 411 410	74.8 379 405 405	61.9 356 391 392	68 352 381 382
120	- B B2 BW	69.8 429 462 435	72.7 431 462 437	73.2 433 467 441	78.1 437 470 444	65.7 426 459 434	68.7 428 461 436	69.2 432 464 440	74.2 432 464 440	61.6 420 448 431	64.8 422 449 433	65.2 403 420 415	70.4 406 421 417	56.9 402 433 424	60.3 402 432 425	60.7 377 402 400	66.1 373 399 398	53.7 350 387 388	59.5 347 381 382
125	- B B2 BW	61.7 410 442 416	64.3 412 443 417	65.1 410 443 417	69.7 415 447 422	57.7 403 435 410	60.5 405 436 411	61.2 409 440 416	65.9 412 443 420	53.7 400 428 409	56.7 402 430 411	57.3 389 408 399	62.3 392 409 402	49.2 387 417 405	52.3 388 417 406	52.9 366 392 386	58.1 364 391 387	46 342 380 379	51.5 341 380 381
130	- B B2 BW	54.3 392 422 397	56.7 393 423 398	57.8 391 422 398	62 394 424 400	50.4 387 417 393	53 388 419 394	53.9 388 422 395	58.4 392 409 399	46.5 380 409 387	49.3 382 412 389	50.1 375 432 384	54.8 378 398 387	42.1 372 401 385	45 373 402 387	45.8 356 381 373	50.7 355 381 374	39 334 370 365	44.2 333 370 368
135	- B B2 BW	47.6 373 402 378	49.9 375 403 379	51.1 374 405 381	55.1 377 406 383	43.8 370 399 376	46.3 372 401 377	47.4 371 400 377	51.6 375 404 381	40 364 392 370	42.6 366 395 372	43.6 361 384 369	48.1 363 386 372	35.7 357 386 368	38.4 359 387 369	39.4 345 371 360	44.1 345 371 361	32.7 326 359 352	37.6 326 360 355
140	- B B2 BW	41.2 354 382 359	43.3 356 383 360	44.7 359 388 365	48.5 361 390 367	37.5 354 382 359	39.8 355 383 361	41 355 386 364	45 349 377 364	33.7 351 379 355	36.2 351 379 357	37.3 347 372 354	41.5 349 374 357	29.5 343 371 351	32.1 344 373 353	33.2 335 361 347	37.6 335 361 349	26.5 317 349 339	31.2 318 350 342
150	- B B2 BW	29.6 323 349 328	31.4 325 350 328	33.1 327 354 333	36.4 330 357 335	26 322 348 327	27.9 323 350 328	29.5 325 352 331	33.1 328 354 333	24.5 319 346 325	25.9 321 348 326	29.7 321 347 327	315 342 342 321	317 344 344 323	313 339 339 321	315 341 341 323	301 329 329 313	302 330 330 316	
160	- B B2 BW	297 322 301	298 323 302	298 323 303	301 326 306	294 318 298	295 320 303	298 323 303	300 325 305	291 316 296	293 318 297	295 320 301	297 323 303	289 314 294	290 316 296	291 316 297	294 319 299	283 308 289	285 310 291

Further lengths on request - Autres longueurs sur demande

TAB 181470 / 181472 / 181476

HSDWVB/B2/BW

S 217 - 295

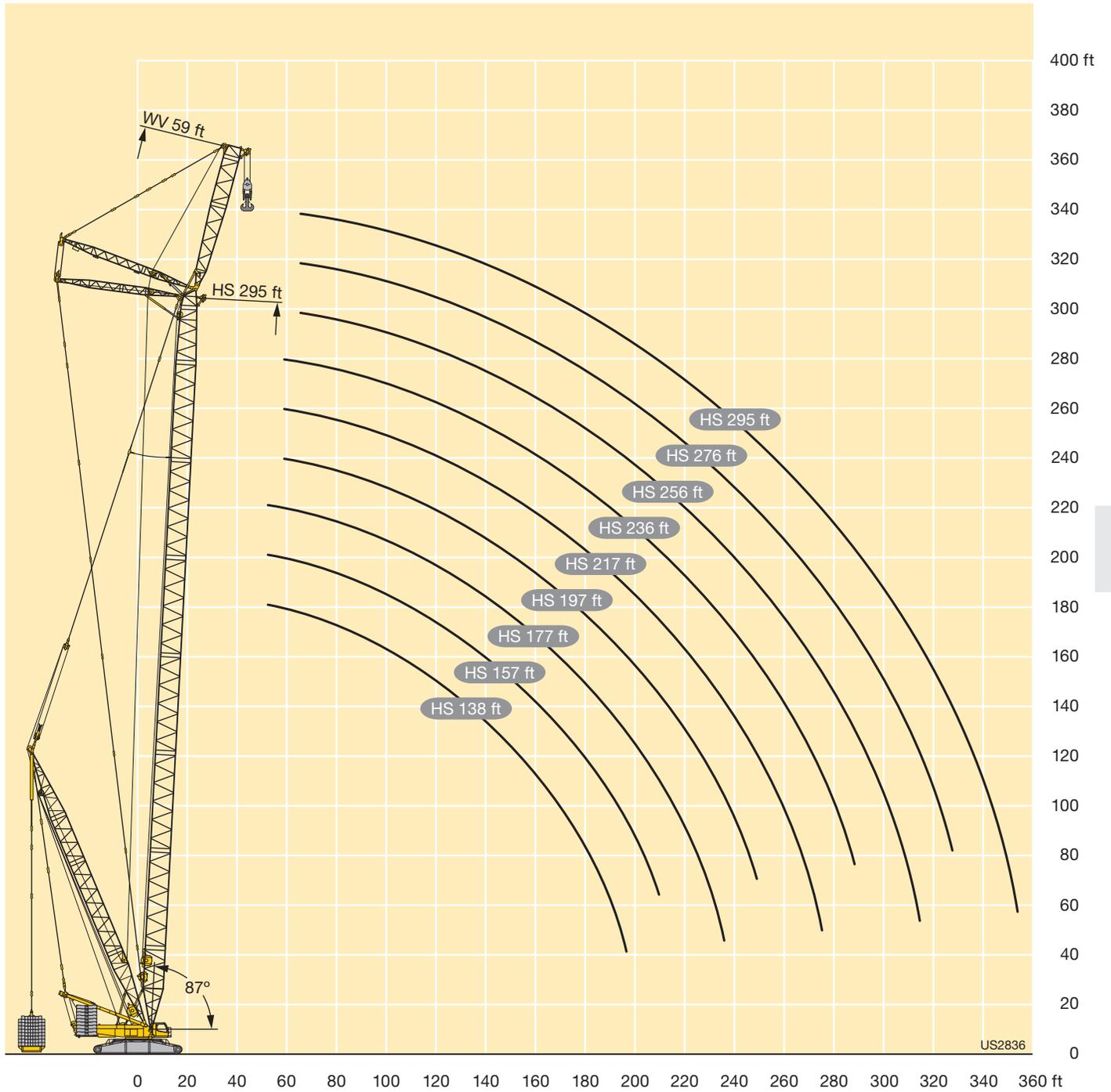


550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft	Diagram	S 217				S 236				S 256				S 276				S 295									
		D 118								D 118								D 118								D 118	
		W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59		W 59									
		12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°								
170	B B2 BW	272 295 275	272 295 276	276 300 281	278 302 283	271 294 275	272 295 276	271 296 277	274 298 279	267 290 271	268 292 273	270 294 275	272 296 277	262 287 267	264 288 269	269 292 273	271 295 276	262 286 267	265 288 269								
180	B B2 BW	250 272 253	251 273 255	254 277 259	256 278 260	248 271 253	248 271 253	252 275 257	254 276 259	246 269 251	247 270 252	248 271 253	250 273 255	242 265 247	244 267 249	246 268 250	248 271 252	241 264 246	244 266 248								
190	B B2 BW	231 252 234	231 252 235	233 256 239	236 257 240	228 250 233	229 250 233	232 254 237	234 256 238	226 248 231	226 248 231	229 251 234	231 253 236	224 245 228	225 247 229	226 247 230	228 250 232	221 242 225	223 245 227								
200	B B2 BW	213 233 216	213 233 217	215 236 220	217 238 222	211 231 215	211 232 216	214 234 218	215 236 219	208 228 212	207 228 212	212 233 216	214 234 218	206 226 210	207 227 211	209 229 213	211 231 215	202 223 206	205 225 208								
210	B B2 BW	195 214 198	195 213 199	200 220 205	202 221 206	195 215 199	195 215 199	197 217 201	199 218 203	192 211 196	192 212 197	195 214 199	196 215 200	188 207 192	188 208 192	193 212 197	195 214 199	187 208 192	190 210 193								
220	B B2 BW	176 195 184	178 195 185	185 204 189	186 204 190	180 198 183	179 198 184	183 202 187	184 204 188	178 197 182	177 197 182	180 199 184	182 200 185	174 193 178	175 194 179	177 195 182	179 197 183	173 193 177	175 194 178								
230	B B2 BW	158 175 170	159 176 170	169 187 175	170 188 176	164 182 170	165 182 170	169 188 174	170 189 174	164 182 168	163 182 167	167 185 170	168 186 172	161 179 165	161 181 165	163 180 167	165 182 169	158 178 162	159 179 163								
240	B B2 BW	137 154 153	138 154 152	153 170 161	155 171 163	149 166 157	151 167 157	155 173 160	156 174 161	150 168 154	150 167 154	154 172 158	155 173 159	148 167 152	148 167 152	151 167 155	152 170 156	145 164 149	146 165 150								
250	B B2 BW			136 153 148	140 155 151	133 149 145	136 151 144	142 159 148	144 160 149	137 154 143	139 154 143	142 160 145	142 160 146	136 154 139	135 153 139	140 156 143	140 158 145	133 152 137	134 153 138								
260	B B2 BW			118 134 133	119 136 134	115 131 130	115 132 130	128 144 138	132 146 138	124 141 132	128 141 131	130 147 134	131 147 135	124 141 128	125 141 129	128 145 132	128 146 133	123 141 126	124 142 127								
270	B B2 BW			94.8 112 112		92 110 110		115 130 127	117 131 126	111 127 121	113 126 121	119 134 124	121 135 125	113 128 118	114 128 118	117 134 121	118 135 122	112 130 116	113 130 116								
280	B B2 BW							99.4 114 114	99.4 114 112	95.7 110 108	94.8 110 108	108 122 114	110 123 115	102 116 109	103 116 108	106 123 111	108 124 113	102 119 106	102 120 106								
290	B B2 BW											96.4 109 105	98.2 110 105	90.3 102 98.6	90 102 98.6	96.3 112 103	99.5 113 103	92.6 109 95.8	93.1 110 96.8								
300	B B2 BW											80.7 95 94.2	82.1 95 93.4	74 87.5 86.4	74.2 86.7 86	86.2 101 94.8	90.2 102 94.3	84.4 98.5 88	84.9 101 88.4								
310	B B2 BW											62.3 77.2 77.6		56 70.3 70.3		74.8 88.4 85.1	76.3 89.2 86.5	76.1 88.6 80.2	76.6 92.5 80								
320	B B2 BW														61.4 74.6 73.4			67.7 78.6 72.4	67.9 82 72.2								
330	B B2 BW																	58.5 68.5 64.7	57.9 69.7 64.9								
340	B B2 BW																	46.7 58 57.5	44.9 57.3 56.3								
350	B B2 BW																	31.6 43.3 43.4									

Further lengths on request - Autres longueurs sur demande

TAB 181470 / 181472 / 181476





ft	S 138																				ft	
	W 157										W 177											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
80	204																					80
85	191	143									185											85
90	179	139									175											90
95	168	136	160								164	139	164									95
100	159	132	153			123					155	135	156									100
105	150	128	147	98		118		105			146	132	147	100	122							105
110	142	125	141	95.5		113		100		89	138	129	139	97.5	117			102				110
115	134	122	135	93.5		108		95.5		86	131	126	132	95.5	113			99.5				115
120	128	120	129	91		104	78.5	91.5		82	124	123	126	93.5	108	79		95.5			85	120
125	121	117	123	89		99.5	77	87.5	65.5	78.5	118	121	119	91.5	105	78.5	91.5				81.5	125
130	115	115	117	87		96	75	84.5	63.5	75	112	116	114	89.5	101	76.5	88	64.5			78.5	130
135	110	112	112	85		93	73	81	61.5	72	107	112	109	87.5	97.5	75	85	63			75.5	135
140	105	108	107	83.5		89.5	71.5	78.5	60	69	102	106	104	86	94.5	73.5	82	61.5	72.5	50.7		140
150	95.5	100	98	80		84	68.5	73	57	64	93	97	94.5	83	88.5	70.5	76.5	58.6	67.5	47.5		150
160	87.5	91.5	89.5	77.5		78.5	65.5	68	54.2	59.7	85	88.5	86.5	80	83	67.5	71.5	55.9	63	41.6		160
170	80	83.5	82.5	75		74	63	63.5	51.6	55.3	77.5	81	79	77.5	78.5	65	67	53.4	58.8	35.5		170
180	74		76	73.5		70	61	59.8	49.3	51.5	71.5	74	73	75	73.5	63	63.5	51.1	54.8	27.8		180
190	68		70			66.5	59.2	56.5	47.3	46.9	65.5		67	70.5	68	61	60	49	51.1	19.5		190
200			65			63.5	57.7	53.4	45.1	40.1	60.5		62	65	63	59.3	56.7	47.2	46.9			200
210						60.5		50.3	42.3	29.5			57.1		58.2	57.9	53.9	45.4	41.4			210
220						56.7		48.1	38.9	19.3			52.9		54	56.3	51.1	42.8	31.2			220
230								45.9	32.7						50		48.8	39.9	21.2			230
240								43.1							46.4		46.6	35.5				240
250																	43.8					250
260																	40.7					260

TAB 181198

J



ft	S 138																				ft	
	W 197										W 217											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
85	177																					85
90	167																					90
95	157																					95
100	148	138	150																			100
105	139	134	142			125																105
110	132	131	134	98.5		120																110
115	125	128	127	97		116																115
120	118	123	121	95		112		98		87.5	114	119	116	96.5	115			99				120
125	112	117	115	93		108	79	94.5		84	108	113	110	94.5	111			97			85.5	125
130	106	111	109	91		105	78	91		81	103	107	105	93	106	78.5	94			83		130
135	101	106	104	89.5		101	76.5	88.5		78	98	102	99.5	91.5	101	77.5	91.5			80		135
140	96.5	101	99	88		98	75	85.5	61.5	75.5	93	97	95	89.5	96	76	88.5	62.5	77.5			140
150	87.5	91.5	90	85		90	72	80	59.9	70.5	84	88	86	86.5	87.5	73.5	83	61	73			150
160	79.5	83.5	82	82		82.5	69.5	75	57.3	65.5	76.5	79.5	78	82.5	79.5	71	77.5	58.6	68.5	47		160
170	72.5	76	75	78.5		75.5	67	70.5	54.9	61.5	69.5	72.5	71.5	75	72.5	68.5	72.5	56.3	64	42		170
180	66	69.5	69	72		69	64.5	66.5	52.7	57.8	63	66	65	68.5	66.5	66	66.5	54.2	60.5	36.7		180
190	60.5	63.5	63	66		63.5	62.5	63	50.6	54.1	57.7	60	59.5	63	61	63.5	61	52.1	57.1	30.8		190
200	55.5		58	60.5		58.4	60.5	59.3	48.6	50.5	52.6	54.8	54.4	57.5	55.9	59.7	55.8	50.2	53.6	24.3		200
210	50.9		53.3	55.7		53.7	57.8	54.6	47.1	46.9	47.9	49.9	49.8	52.5	51.2	54.7	51.2	48.4	50.3	17		210
220	46.8		49.1	51.2		49.5	53.3	50.5	45.4	41.3	43.8	45.6	45.6	48.1	47	50.3	47.1	47	46.6	11.2		220
230			45.2			45.7	49	46.6	43	33.4	40.1		41.8	43.9	43.2	46.1	43.3	45.4	41.7			230
240			41.6			42.1	45.1	43	40.4	24.3	36.6		38.2		39.6	42.2	39.7	43	35.2			240
250						38.7		39.7	37.6	15.6			34.9		36.2	38.6	36.4	39.6	26.8			250
260						35.7		36.6	31.5	10.9			31.9		33.2	35.3	33.4	36.3	18.3			260
270								33.8							30.4		30.6	32.8	12.8			270
280								31.2							27.7		28	28.4				280
290																	25.5					290
300																	23.2					300

TAB 181198



ft	S 138																				ft	
	W 236										W 256											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
100	138																					100
105	130																					105
110	122	126	122								126											110
115	116	121	118								119	121	113									115
120	109	114	111			107					112	117	112									120
125	103	108	105	95.5		105		91			106	110	108									125
130	98	103	100	94		101		89.5		79	95	99	97.5	94	92.5			81				130
135	93	97.5	95	92.5	96.5		88		78.5		90.5	94	92.5	92	90			80				135
140	88.5	92.5	90.5	91	91.5	76	86.5		77.5		85.5	89	88	90	87	76	79			70.5		140
150	79.5	83.5	82	85.5	83	74.5	81.5		75.5		77	80	79.5	83.5	79.5	75	76			69.5		150
160	72	75.5	74	78.5	75.5	72	75	59.6	72.5	49.2	69.5	72	71.5	75.5	72	72.5	72	60.5		67.5		160
170	65	68.5	67	71.5	68.5	69.5	68.5	57.3	68.5	44.2	62.5	65	65	68.5	65.5	70.5	65	58.1		65.5	45.3	170
180	59	62	61	65	62.5	66.5	62.5	55.3	63	39.4	56.7	58.9	58.9	62	59.5	64.5	59.4	56.1	59.9	41.2		180
190	53.5	56.3	55.6	59.2	57.2	61.5	57.1	53.4	57.7	34.5	51.3	53.2	53.5	56.3	54	58.8	54	54.2	54.6	36.7		190
200	48.5	51	50.5	53.9	52.1	56.3	52.1	51.5	52.8	29.1	46.3	48.1	48.5	51	49.1	53.5	49.1	52.2	49.8	32		200
210	43.9	46.2	45.9	49	47.5	51.4	47.5	49.7	48.3	22.7	41.7	43.3	43.9	46.2	44.5	48.7	44.5	49.6	45.3	27		210
220	39.8	41.9	41.8	44.6	43.3	46.9	43.5	47.3	44.2	16	37.7	39	39.8	41.8	40.4	44.3	40.5	45.2	41.3	20.9		220
230	36.1	37.9	38	40.5	39.5	42.8	39.7	43.8	40.5		33.9	35.1	36	37.8	36.6	40.2	36.8	41.2	37.6	14.8		230
240	32.6		34.4	36.7	36	39	36.1	40	37		30.4	31.4	32.4	34.1	33.1	36.4	33.3	37.4	34.2			240
250	29.4		31.1		32.6	35.4	32.9	36.4	33.6		27.2		29.2	30.5	29.8	32.9	30	33.9	30.9			250
260	26.5		28.1		29.6	32.1	29.9	33.1	28.4		24.3		26.1	27.4	26.8	29.6	27	30.7	28			260
270			25.4		26.8	29	27.1	30.1	21.2		21.6		23.4	24.4	24	26.6	24.3	27.6	25.3			270
280			22.8		24.2		24.5	27.2	14.9		19.1		20.7		21.4	23.7	21.7	24.8	21.4			280
290					21.7		22	24.4					18.3		18.9		19.2	22.1	16.1			290
300					19.4		19.7	21.9					16		16.7		17	19.5	11.7			300
310							17.6								14.6		14.9	17.1				310
320							15.6								12.6		12.9					320
330																11						330
340																	9.2					340

TAB 181198



ft	S 138																				ft	
	W 276										W 295											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
105	120																					105
110	113																					110
115	107										103											115
120	101	106	99.5								101											120
125	95.5	101	97.5			85.5					92.5	93.5	86									125
130	90	95	92.5	88	84.5						87.5	91	85		74.5							130
135	85.5	90.5	88	86.5	83						82.5	86.5	82		74							135
140	81	85.5	83	85	81	73.5	73			65	78	82	78.5	76	73			63.5		56.5		140
150	72.5	77	75	79	75.5	73	72			64	70	73.5	71.5	74	70			63		55.7		150
160	65	69	67.5	71.5	68	71	69	61	63		62.5	65.5	64	69.5	65.5	63	61			54.4		160
170	58.2	62	60.5	64.5	61	67	62.5	59.1	61.5	48.3	55.8	58.7	57.2	62.5	59.2	61.5	58.9	52.7		53.1		170
180	52.3	55.8	54.7	58.1	55.3	61	56.6	57.1	56	44	50	52.6	51.4	56.2	53.3	57.4	53.4	51.9		51.4		180
190	46.9	50.2	49.3	52.4	50	55.2	51.3	54.5	50.8	39.6	44.7	47.1	46.1	50.5	48	52.3	48.1	50.7	47.6	41.3		190
200	42	45.1	44.4	47.2	45.1	49.9	46.4	50.9	46	35.3	39.8	42	41.2	45.3	43.1	47.1	43.3	48.1	42.9	37.3		200
210	37.5	40.3	39.8	42.4	40.5	45.1	41.9	46.1	41.6	31	35.4	37.3	36.7	40.6	38.6	42.3	38.8	43.4	38.5	33.2		210
220	33.5	36.1	35.8	38.1	36.5	40.7	37.9	41.8	37.6	25.7	31.4	33.1	32.7	36.3	34.6	38	34.9	39.1	34.6	29.1		220
230	29.8	32.2	32	34.1	32.7	36.7	34.1	37.8	33.9	20.2	27.6	29.2	28.9	32.3	30.9	34	31.2	35.1	30.9	24.2		230
240	26.3	28.5	28.5	30.4	29.3	33	30.7	34	30.5	14.7	24.2	25.6	25.5	28.6	27.4	30.2	27.7	31.3	27.5	18.9		240
250	23.1	25.2	25.3	26.9	26	29.4	27.4	30.5	27.3		21	22.2	22.2	25.2	24.1	26.7	24.5	27.8	24.4			250
260	20.2	22	22.3	23.8	23	26.2	24.5	27.3	24.4		18.1	19.2	19.3	22	21.2	23.5	21.5	24.6	21.5			260
270	17.5	19.2	19.5	20.8	20.3	23.2	21.7	24.3	21.6		15.4	16.3	16.5	19.1	18.4	20.6	18.8	21.7	18.8			270
280	15		16.9	18	17.7	20.4	19.1	21.5	19.1		12.8	13.6	14	16.3	15.8	17.7	16.2	18.8	16.2			280
290	12.7		14.5		15.2	17.7	16.6	18.8	16.6				11.5	13.6	13.4	15.1	13.8	16.2	13.8			290
300	10.5		12.3		13	15.2	14.4	16.3	14.4				9.3	11.2	11.1	12.6	11.5	13.7	11.6			300
310			10.2		10.8	12.8	12.2	13.9	12.3							10.3						310
320									11.7													320

TAB 181198

J



ft	S 157																				ft	
	W 157										W 177											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
80	197																					80
85	184																					85
90	173																					90
95	163	136	162																			95
100	153	132	154																			100
105	145	129	147	98.5																		105
110	137	126	139	96	114																	110
115	130	123	132	93.5	109																	115
120	123	120	125	91.5	105	78.5																120
125	117	118	119	89.5	100	77	88.5															125
130	111	115	114	87.5	97	75	85	63.5	75.5													130
135	106	111	109	85.5	93.5	73.5	82	62	72.5													135
140	101	106	104	83.5	90.5	72	79	60.5	69.5	48.8												140
150	92.5	97	94.5	80.5	84.5	68.5	73.5	57.2	64.5	45.2	89.5	93.5	91	83	89	70.5	77	58.9	68	48.1		150
160	84.5	88.5	86.5	77.5	79	66	68.5	54.4	60	38.5	82	85.5	83.5	80.5	83	68	72	56.2	63	42.3		160
170	77.5	81	79.5	75.5	74.5	63	64	51.8	55.7	31.4	75	78	76.5	77.5	65	67.5	53.6	59.1	36.1			170
180	71		73.5	73.5	70.5	61	60	49.5	51.7	22.1	68.5	71.5	70	73.5	71.5	63	64	51.3	55.2	28.7		180
190	65.5		67.5		67	59.3	56.7	47.4	47.7	13.9	63		64.5	68	66	61	60	49.2	51.4	20.5		190
200			62.5		63	57.8	53.6	45.3	41.3		58.1		59.5	62.5	60.5	59.4	57	47.3	47.4			200
210							58.9	50.6	42.6	30.2			54.9		56	58	54.2	45.6	42.8			210
220							54.7	48.3	39.7	19.1			50.7		51.9	54.8	51.4	43	33			220
230							50.8	46.1	33.6						48		48.4	40.3	23.1			230
240								43.3							44.5		45.3	36.1	15			240
250																	42					250
260																	39					260
270																	36.2					270

TAB 181198

J



ft	S 157																				ft	
	W 157										W 177											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
95	151																					95
100	142	138	145																			100
105	134	135	137																			105
110	127	132	129	98.5	119																	110
115	120	126	123	97	117																	115
120	114	119	116	95	113																	120
125	108	113	111	93.5	109	79	95															125
130	102	107	105	91.5	105	78	92															130
135	97.5	102	100	89.5	100	76.5	89															135
140	93	97.5	95.5	88	95.5	75	86	61.5	76													140
150	84	88.5	87	85	87	72	80.5	60	71													150
160	76.5	80.5	79	81.5	79.5	69.5	75.5	57.5	66	45												160
170	69.5	73	72.5	76	72.5	67	71	55.1	62	39.4												170
180	63.5	67	66.5	69.5	66.5	64.5	66.5	52.9	58.1	33.7												180
190	58.1	61	60.5	64	61	62.5	62	50.7	54.4	26.7												190
200	53.1	55.9	55.7	58.4	56.1	60	57	48.8	50.8	19.1												200
210	48.6		51.1	53.5	51.5	55.7	52.4	47.2	47.2													210
220	44.6		47	49.1	47.4	51.3	48.4	45.6	42.3													220
230	41		43.2		43.7	47.1	44.6	43.3	34.5													230
240			39.7		40.1	43.3	41.1	40.6	25.4													240
250					36.9		37.9	37.8	16.6													250
260					33.9		34.9	32.1	11.4													260
270							32.2															270
280							29.6															280
290																						290
300																						300

TAB 181198



ft	S 157																				ft		
	W 236										W 256												
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118				
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°			
100	134																					100	
105	126																					105	
110	119	121	118																			110	
115	112	116	113																			115	
120	106	110	107			105							107	104								120	
125	101	104	101	95.5		103		89					96.5	102	98.5		90.5					125	
130	95.5	99	96.5	94		97.5		87.5		79			91.5	96	93.5	92.5	89.5		79			130	
135	90.5	94	91.5	92		93		86		78			86.5	91.5	89	90.5	86.5		78.5			135	
140	86	89	87	90		88.5	76	85		76.5			82	86.5	84.5	87.5	83.5	76.5	77.5		68.5	140	
150	77.5	80.5	78.5	83.5		80	74.5	79.5		74			74	78	76	80.5	76.5	75	74.5		67.5	150	
160	70	72.5	71	75.5		72.5	72	72.5	59.8	71	50		66.5	70.5	69	72.5	69	72	70	60.5	65.5	160	
170	63.5	65.5	64.5	68.5		66	70	65.5	57.5	66	44.8		59.9	63.5	62	65.5	62.5	68	64	58.3	63	46	170
180	57.4	59.5	58.5	62.5		60	64.5	60	55.4	60.5	40		54.1	57.4	56.4	59.5	56.9	62	58	56.2	57.4	41.7	180
190	52	53.9	53.1	56.8		54.7	59.3	54.7	53.5	55.3	35		48.8	51.9	51.1	53.9	51.6	56.5	52.8	54.3	52.3	37.2	190
200	47.1	48.7	48.2	51.6		49.8	54.1	49.8	51.7	50.5	29.7		44	46.8	46.2	48.7	46.8	51.3	48	51.7	47.6	32.5	200
210	42.6	44	43.7	46.8		45.3	49.2	45.4	49.9	46.1	23.5		39.5	42.1	41.7	44	42.3	46.5	43.6	47.5	43.2	27.8	210
220	38.6	39.8	39.7	42.5		41.3	44.9	41.4	45.8	42.2	16.8		35.6	38	37.7	39.8	38.3	42.3	39.6	43.2	39.3	21.6	220
230	34.9	35.9	35.9	38.5		37.5	40.9	37.7	41.8	38.6			31.9	34.1	34	35.8	34.6	38.3	35.9	39.3	35.7	15.5	230
240	31.5		32.5	34.8		34.1	37.2	34.3	38.1	35.2			28.5	30.5	30.6	32.2	31.2	34.6	32.5	35.6	32.3		240
250	28.3		29.3			30.8	33.7	31.1	34.6	32			25.3		27.3	28.8	28	31.1	29.3	32.1	29.2		250
260	25.4		26.4			27.9	30.4	28.1	31.4	28.9			22.5		24.4	25.6	25.1	27.9	26.4	29	26.3		260
270			23.7			25.1	27.4	25.4	28.4	22.3			19.8		21.7	22.7	22.3	25	23.7	26	23.6		270
280			21.1			22.6		22.8	25.6	15.7			17.4		19.1		19.8	22.2	21.1	23.2	20.5		280
290						20.1		20.4	22.9						16.7		17.4	19.5	18.7	20.5	16.6		290
300						17.9		18.2	20.4						14.5		15.2	17	16.5	18.1	12		300
310								16.1									13.1		14.4	15.7			310
320								14.2									11.1		12.4				320

TAB 181198



ft	S 157																ft					
	W 276								W 295													
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79			F 98				
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
105	114																					105
110	110																					110
115	104																					115
120	98	102	95																			120
125	92.5	96.5	94																			125
130	87.5	91.5	89			81																130
135	83	86.5	84.5			79.5																135
140	78.5	82	80	80.5		78		70		62												140
150	70.5	73.5	71.5	76		72		69		61.5												150
160	63	66	64.5	68.5		65	68.5	66	59.5	60												160
170	56.6	59.3	57.9	61.5		58.5	64.5	59.7	58.5	58.7	48.8											170
180	50.9	53.3	52.2	55.5		52.8	58.4	54.1	57	53.5	44.6											180
190	45.6	47.8	46.9	50		47.5	52.8	48.9	53.4	48.4	40.2											190
200	40.8	42.8	42.1	44.9		42.8	47.7	44.1	48.7	43.7	35.9											200
210	36.4	38.2	37.7	40.2		38.4	42.9	39.7	44	39.4	31.5											210
220	32.5	34.1	33.7	36		34.4	38.7	35.8	39.7	35.5	26.4											220
230	28.8	30.2	30.1	32.1		30.8	34.8	32.2	35.8	32	20.9											230
240	25.4	26.7	26.6	28.5		27.3	31.1	28.8	32.1	28.6	15.2											240
250	22.3	23.4	23.5	25.1		24.2	27.7	25.6	28.7	25.5												250
260	19.4	20.3	20.6	22.1		21.3	24.5	22.7	25.6	22.6												260
270	16.8	17.5	17.9	19.1		18.6	21.6	20	22.6	20												270
280	14.3		15.3	16.4		16	18.8	17.5	19.9	17.5												280
290	11.9		12.9			13.7	16.2	15.1	17.2	15.1												290
300	9.8		10.7			11.4	13.7	12.9	14.8	12.9												300
310							11.4	10.8	12.5	10.9												310

TAB 181198

J



ft	S 177																				ft				
	W 157										W 177														
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118						
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°					
80	190																					80			
85	177																					85			
90	167																					90			
95	157	137	159																			95			
100	148	133	150		125																	100			
105	140	130	142	99	120										124							105			
110	132	126	134	96.5	115		100		90.5						129	130	130	97.5	119		104	110			
115	125	123	128	93.5	110		97.5		87.5						122	126	124	96	114		101	115			
120	119	121	121	91.5	106	78.5	93.5		83.5						116	121	117	94	110		97	86.5	120		
125	113	118	115	89.5	102	77.5	89.5		80						110	115	111	92	106	79	93	83	125		
130	107	113	110	87.5	97.5	75.5	86	63.5	76.5						105	109	106	90	102	77.5	89.5	79.5	130		
135	103	108	105	85.5	94	74	82.5	73							99.5	104	101	88	99	75.5	86.5	76.5	135		
140	97.5	103	100	84	91	72	79.5	60.5	70.5	49.5					95	99.5	96.5	86.5	95.5	74	83	61	74	52	140
150	89	93.5	91.5	80.5	85	69	74	57.5	65	45.9					86.5	90.5	88	83	88.5	71	77.5	59.2	68.5	48.8	150
160	81	85.5	83.5	78	79.5	66	69	54.7	60.5	39.4					78.5	82.5	80.5	80	81.5	68	72.5	56.4	63.5	42.9	160
170	74.5	78	76.5	75.5	75	63.5	64.5	52.1	56.1	32.5					72	75.5	73.5	77.5	74.5	65.5	68	53.8	59.5	36.8	170
180	68.5		70.5	73	71	61	60.5	49.7	52.1	23.2					66	69	67.5	71.5	68.5	63	64	51.5	55.5	29.7	180
190	63		65	68.5	66	59.4	57.1	47.6	48.2	14.8					60.5		62	66	63.5	61	60.5	49.4	51.7	21.5	190
200			60		61.5	57.9	53.9	45.5	42.3						55.6		57.2	60.5	58.4	59.3	57.2	47.5	48		200
210					56.7		50.9	42.9	32.1								52.6		53.8	57.6	54.4	45.7	44.2		210
220					52.6		48.5	39.9	21.3								48.6		49.8	53.2	50.6	43.2	34.3		220
230					48.8		46.2	34.2	13.7								44.9		46		46.9	40.5	24.4		230
240							43.5												42.5		43.4	36.5	16		240
250																					40.2				250
260																					37.3				260
270																					34.5				270

TAB 181198

J



ft	S 177																				ft			
	W 157										W 177													
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118					
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°				
95	147																						95	
100	138	139																						100
105	130	136	132																					105
110	123	128	125			118																		110
115	117	122	118			116																		115
120	111	115	112	95.5	113		98.5																	120
125	105	109	107	93.5	108		96		85															125
130	99.5	104	101	91.5	102	78	93		81.5															130
135	95	99	96.5	90	98	77	89.5		79															135
140	90.5	94	92	88.5	93.5	75.5	86.5	62	76.5															140
150	82	85.5	83.5	84.5	85	72.5	81	60.5	71															150
160	74.5	77.5	76	80	77.5	69.5	75.5	57.7	66.5	45.6														160
170	67.5	70.5	69.5	73	71	67	70.5	55.3	62	40.1														170
180	62	64.5	63.5	67	65	65	65	53.1	58.5	34.4														180
190	56.5	58.7	58.3	61.5	59.7	62	59.5	50.9	54.8	27.6														190
200	51.6	53.6	53.4	56.2	54.8	58.4	54.7	49	51.1	20														200
210	47.1		48.9	51.4	50.3	53.6	50.3	47.3	47.5															210
220	43.2		44.9	47.1	46.3	49.3	46.3	45.7	43.4															220
230	39.6		41.2		42.6	45.3	42.7	43.5	35.8															230
240			37.8		39.1	41.5	39.2	40.9	26.7															240
250					35.9		36.1	38	17.8															250
260					33		33.2	32.8	12															260
270							30.5	26.9																270
280							27.9																	280
290																								290
300																								300
310																								310

TAB 181198



ft	S 177																				ft		
	W 236										W 256												
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118				
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°			
100	129																					100	
105	121																					105	
110	114	117	113										117									110	
115	108	112	109										110									115	
120	102	106	103			101							98	103	99.5							120	
125	96.5	100	97.5	95.5		99							92.5	97.5	95		86.5					125	
130	91.5	95	92.5	94		94		85		76.5			87.5	92.5	90	89	85.5		76			130	
135	87	90.5	88	91		89.5		83.5		75.5			83	88	85.5	87	83		75.5			135	
140	82.5	85.5	83.5	88		85	76	82		74.5			79	83.5	81	84	80	74.5	74.5		65.5	140	
150	74.5	77	75.5	80.5		77	74.5	76.5		72			71	75	73	77	73.5	73.5	72		64.5	150	
160	67	69.5	68	73		69.5	72	69.5	60	69			63.5	67.5	66	69.5	66.5	71	67.5	61	62.5	160	
170	60.5	63	61.5	66		63	68.5	63	57.7	63.5	45.1		57.2	61	59.5	63	60	65.5	61	58.4	60	46.7	170
180	54.8	56.9	55.9	59.9		57.5	62.5	57.4	55.6	58	40.6		51.5	54.9	53.9	56.9	54.3	59.6	55.6	56.4	54.9	42.4	180
190	49.6	51.4	50.7	54.4		52.3	56.9	52.3	53.7	53	35.7		46.4	49.5	48.7	51.5	49.2	54.1	50.5	53.6	49.9	37.8	190
200	44.8	46.4	45.9	49.3		47.5	51.8	47.5	51.3	48.3	30.3		41.7	44.5	43.9	46.5	44.5	49.1	45.8	50	45.3	33.2	200
210	40.4	41.8	41.5	44.7		43.2	47.1	43.2	48	44	24.3		37.3	40	39.6	41.8	40.1	44.4	41.5	45.3	41.1	28.5	210
220	36.5	37.7	37.6	40.5		39.2	42.9	39.3	43.8	40.2	17.6		33.5	35.9	35.7	37.7	36.3	40.3	37.6	41.2	37.3	22.4	220
230	32.9	33.9	33.9	36.6		35.6	39	35.7	39.9	36.6			29.9	32.1	32	33.9	32.7	36.4	34	37.3	33.7	16.2	230
240	29.6		30.6	33		32.2	35.3	32.4	36.3	33.3			26.6	28.6	28.7	30.3	29.3	32.8	30.7	33.7	30.5	240	
250	26.5		27.4			29	31.9	29.2	32.9	30.2			23.5		25.5	27	26.2	29.4	27.6	30.4	27.4	250	
260	23.7		24.6			26.2	28.8	26.4	29.7	27.4			20.7		22.7	23.9	23.3	26.3	24.7	27.2	24.6	260	
270	21.1		21.9			23.5	25.8	23.7	26.8	22.3			18.1		20	21	20.7	23.4	22.1	24.4	22	270	
280			19.5			20.9		21.2	24	16.6			15.7		17.5		18.2	20.6	19.5	21.6	19.5	280	
290						18.6		18.9	21.4						15.2		15.8	18	17.2	19	16.9	290	
300						16.4		16.7	19								13.6	15.6	15	16.6	12.3	300	
310								14.7									11.6		12.9	14.3		310	
320								12.7											11			320	

TAB 181198



ft	S 177															ft						
	W 276										W 295											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79							
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°						
110	104												91.5									110
115	100												91									115
120	94	97	90										89									120
125	89	93	89										85	84.5	78.5							125
130	84	88	85			78							80	83	77.5							130
135	79.5	83	81			77							75.5	79.5	75.5							135
140	75	78.5	76.5	78.5		75.5		67		59.2			71.5	75	73	69.5	65.5					140
150	67.5	70.5	68.5	74		70.5		66		58.6			63.5	67	66.5	67.5	64					150
160	60	63	61.5	67		63.5	65.5	63		57.5			56.7	59.8	59.4	63.5	60	57.8				160
170	53.9	56.6	55.2	60		57.1	61.5	57	56.3	56	48.5		50.5	53.3	53.2	57	53.8	56.9				170
180	48.3	50.7	49.6	54.2		51.5	55.8	51.5	55.1	50.9	45	45	47.5	47.6	51.1	48.3	52.4					180
190	43.2	45.4	44.5	48.8		46.5	50.4	46.5	51.4	46	40.9	39.9	42.3	42.6	45.8	43.3	47.5					190
200	38.6	40.5	39.8	43.8		41.8	45.4	41.9	46.4	41.5	36.5	35.3	37.4	37.9	40.9	38.7	42.5					200
210	34.3	36	35.5	39.2		37.5	40.8	37.6	41.8	37.3	32.1	31.1	33	33.6	36.3	34.4	38					210
220	30.4	32	31.7	35.1		33.6	36.7	33.8	37.7	33.5	27.2	27.3	29	29.8	32.3	30.6	33.9					220
230	26.9	28.3	28.1	31.3		30	32.8	30.3	33.9	30	21.7	23.7	25.3	26.2	28.5	27	30.1					230
240	23.6	24.8	24.7	27.8		26.7	29.2	26.9	30.3	26.8	15.9	20.5	21.9	22.9	25	23.7	26.5					240
250	20.5	21.6	21.6	24.4		23.6	25.9	23.9	26.9	23.7		17.4	18.7	19.8	21.7	20.6	23.2					250
260	17.7	18.6	18.8	21.4		20.7	22.8	21	23.9	20.9		14.6	15.7	17	18.7	17.8	20.1					260
270	15.1	15.8	16.2	18.5		18	19.9	18.4	21	18.3		12	13	14.3	15.8	15.1	17.3					270
280	12.6		13.7	15.8		15.5	17.2	15.9	18.3	15.9				11.9	13.1	12.7	14.6					280
290			11.4			13.2	14.6	13.6	15.7	13.6						12	14.6					290
300			9.2			11	12.2	11.4	13.3	11.4							9.7					300

TAB 181198

J



ft	S 197																				ft			
	W 197										W 217													
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118					
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°				
95	141																					95		
100	133																					100		
105	126	131	127																			105		
110	119	124	120			115																110		
115	112	117	114			113																115		
120	106	111	108	95.5		109		97								105						120		
125	101	105	103	93.5	104		95			83.5				97.5	101	98.5	95	99.5		90.5		125		
130	96	100	97.5	92	98.5	78.5	92.5			82				92.5	96	93.5	93.5	94.5		89	79	130		
135	91	95	93	90	94	77	89.5			79.5				88	91	89	91	90		86.5	78.5	135		
140	87	90.5	88.5	88.5	90	75.5	87	62.5		76.5				83.5	86.5	84.5	88	86	75.5	84	77.5	140		
150	78.5	82	80.5	83.5	81.5	72.5	81	60.5	71.5					75.5	78	76.5	81	78	74	77.5	74.5	150		
160	71.5	74.5	73	77.5	74.5	70	74	58	67	46.3				68.5	70.5	69.5	73.5	71	71.5	70.5	59.3	71	49.1	160
170	65	67.5	66.5	70.5	68	67.5	68	55.5	62.5	40.8				62	64	63	67	64.5	69	64	56.8	64.5	43.8	170
180	59.1	61.5	61	64.5	62.5	65	62	53.3	58.8	35.1				56.3	58.2	57.3	61	58.8	63.5	58.6	54.6	59.2	38.6	180
190	53.9	56.2	55.8	58.9	57.2	61	57.1	51.1	55.2	28.4				51.2	52.8	52.2	55.6	53.7	58	53.6	52.6	54.2	33.2	190
200	49.1	51.2	51	53.8	52.5	56.1	52.4	49.1	51.4	21				46.5	47.9	47.4	50.6	49	53	48.9	50.7	49.7	27.1	200
210	44.8		46.6	49.2	48.1	51.4	48.1	47.4	47.5					42.2	43.3	43.1	46	44.7	48.4	44.7	48.8	45.5	19.8	210
220	41		42.7	45	44.2	47.2	44.2	45.9	43.8					38.3	39.3	39.3	41.9	40.8	44.2	40.9	44.9	41.7	12.8	220
230	37.5		39.1		40.6	43.3	40.6	43.5	36.8					34.8		35.7	38	37.3	40.3	37.3	41.2	38.2		230
240			35.8		37.2	39.6	37.3	40.5	28					31.5		32.4		33.9	36.7	34	37.6	34.8		240
250					34.1		34.2	37.1	19							29.3		30.8	33.4	30.9	34.3	30.9		250
260					31.2		31.4	33.3	12.7							26.5		28	30.2	28.1	31.2	22.4		260
270					28.5		28.7	27.7								23.9		25.3		25.5	28.3	15.6		270
280							26.3											22.9		23.1	25.5			280
290																				20.8				290
300																				18.7				300
310																				16.7				310

TAB 181198

J



ft	S 197																				ft				
	W 236										W 256														
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118						
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°					
105	116																					105			
110	110	112	110																			110			
115	104	108	106																			115			
120	98	102	100																			120			
125	92.5	96.5	95			94.5								95.5	99.5	94.5						125			
130	88	91.5	90	93.5	90		81.5							90	94	91						130			
135	83.5	86.5	85.5	90	86		80.5							85	89	86.5	85	81				135			
140	79	82	81.5	85.5	81.5	76	78.5		71					76.5	80	77.5	80.5	76.5	71.5	70.5		62.5	140		
150	71	74	73.5	77.5	73.5	74.5	73.5		70					69	72	70	74	70.5	71	68.5		61.5	150		
160	64	66.5	66.5	70	66.5	71.5	66.5	60	67					62	64.5	63	66.5	63.5	68.5	64.5	59.6	59.9	160		
170	57.7	60	60	63	60.5	65.6	60	57.9	61	45.9				55.6	58	56.7	60	57.2	62.5	58.4	58.2	57.4	48.1	170	
180	52.2	54.2	54.4	57.3	54.9	59.9	54.8	55.8	55.5	41.3				50.1	52.3	51.2	54.3	51.7	57	53	56.4	52.3	43.3	180	
190	47.1	48.9	49.3	51.9	49.8	54.5	49.8	53.5	50.5	36.3				45.1	47	46.2	49	46.7	51.7	48	52.5	47.5	38.5	190	
200	42.4	44	44.7	47	45.2	49.5	45.2	50.4	46	31				40.4	42.2	41.6	44.1	42.1	46.8	43.5	47.6	43	33.8	200	
210	38.2	39.6	40.4	42.4	40.9	44.9	41	45.8	41.8	25.3				36.2	37.8	37.3	39.6	37.9	42.2	39.3	43.1	38.9	29.1	210	
220	34.4	35.6	36.5	38.4	37.1	40.8	37.2	41.7	38.1	18.5				32.4	33.8	33.5	35.6	34.1	38.2	35.5	39.1	35.2	23.2	220	
230	30.8	31.9	32.9	34.6	33.6	37	33.7	37.9	34.6	12.6				28.9	30.1	30	31.9	30.6	34.4	32	35.3	31.7	17.1	230	
240	27.6		29.6	31	30.2	33.4	30.4	34.4	31.4					25.7	26.7	26.8	28.4	27.4	30.9	28.8	31.8	28.5		240	
250	24.6		26.5	27.7	27.2	30.1	27.4	31.1	28.4					22.6		23.7	25.1	24.3	27.6	25.7	28.5	25.6		250	
260	21.8		23.7	24.7	24.4	27	24.6	28	25.6					19.9		20.9	22.1	21.5	24.5	23	25.5	22.8		260	
270	19.3		21.1		21.7	24.1	22	25.1	22.1					17.3		18.3	19.3	18.9	21.7	20.4	22.7	20.3		270	
280			18.6		19.3		19.5	22.4	17.3					14.9		15.9		16.5	19	17.9	20	17.9		280	
290					16.9		17.2	19.8									13.6		14.2	16.5	15.6	17.5	15.5		290
300					14.8		15.1	17.4									11.5		12.1	14.1	13.5	15.1	12.3		300
310							13.1												10.1		11.5	12.9			310
320							11.2														10.7				320

TAB 181198

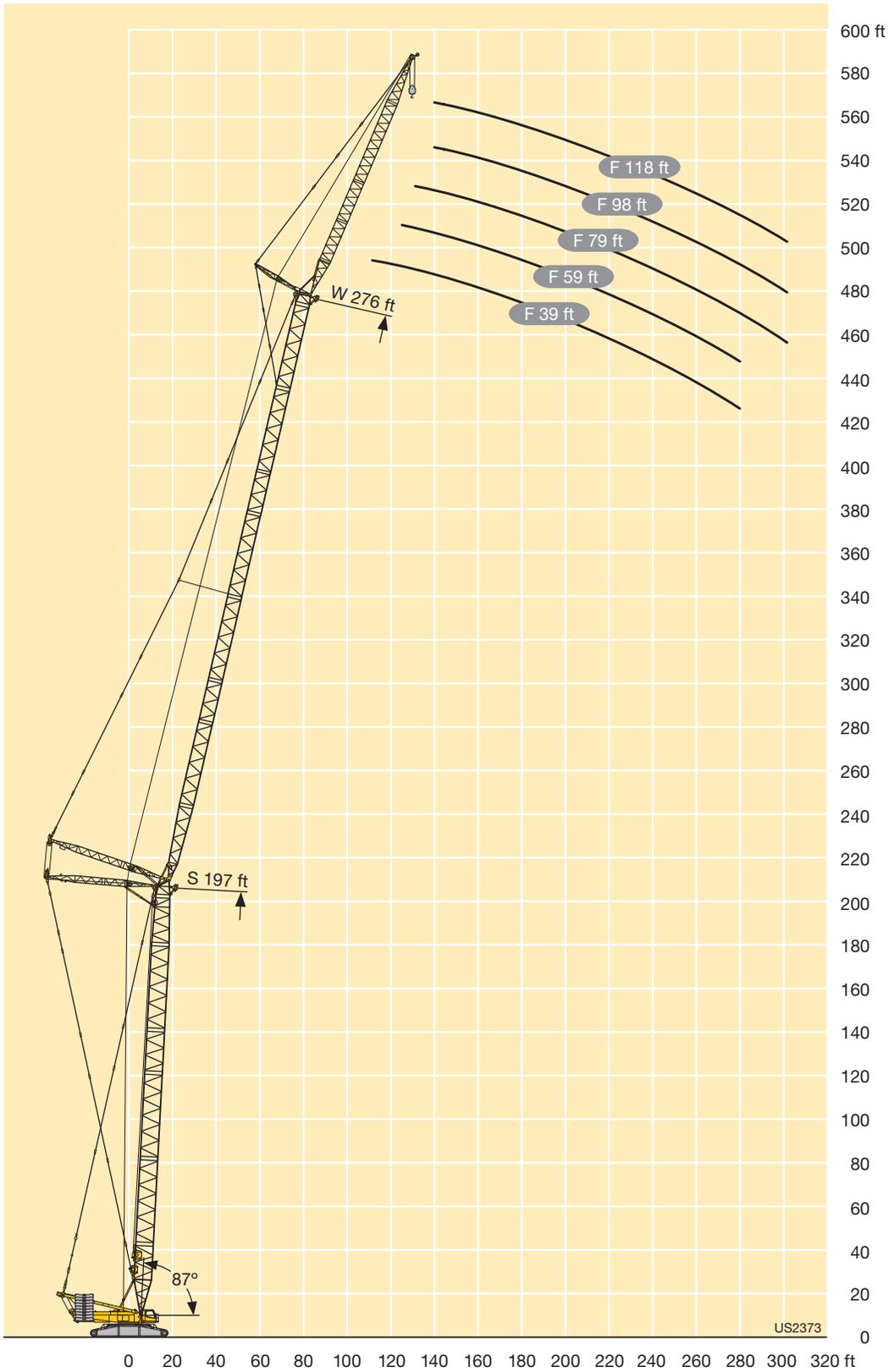


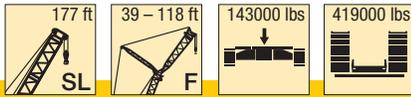
ft	S 197										ft	
	W 276											
	F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
110	99.5										110	
115	95.5										115	
120	90										120	
125	85	89	84								125	
130	80.5	84	81			73.5					130	
135	76	79.5	77			73					135	
140	72	75.5	73	75.5		72		63.5		56.1	140	
150	64	67.5	65.5	71		67.5		62.5		55.5	150	
160	57.3	60	58.6	64		60.5	62.5	60.5		54.4	160	
170	51.1	53.8	52.4	57.3		54.3	58.8	54.3	53.6	53.3	170	
180	45.7	48.1	47	51.6		49	53.2	48.9	52.5	48.3	180	
190	40.8	42.9	42	46.4		44	47.9	44.1	48.9	43.5	42.2	190
200	36.2	38.2	37.5	41.5		39.5	43.1	39.6	44.1	39.1	37.3	200
210	32	33.8	33.3	37.1		35.3	38.6	35.4	39.6	35	32.7	210
220	28.3	29.9	29.5	33.1		31.5	34.6	31.7	35.6	31.4	28	220
230	24.9	26.3	26.1	29.3		28	30.8	28.3	31.9	28	22.5	230
240	21.6	22.9	22.8	25.9		24.8	27.3	25	28.4	24.8	16.7	240
250	18.6	19.7	19.8	22.6		21.7	24.1	22	25.1	21.9		250
260	15.9	16.8	17	19.6		18.9	21.1	19.3	22.1	19.2		260
270	13.4	14.1	14.5	16.8		16.3	18.3	16.7	19.3	16.6		270
280	11		12	14.2		13.9	15.6	14.3	16.6	14.2		280
290						11.6	13.1	12	14.1	12		290
300						9.5	10.7	9.9	11.8	9.9		300

TAB 181198

Lifting heights Hauteurs de levage

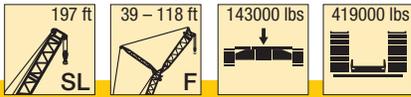
SWF





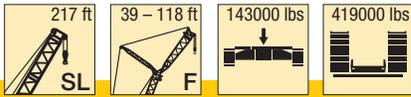
ft	SL 177															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
32	303															32
34	303															34
36	303															36
38	303															38
40	303	302														40
45	303	301	167	246	204											45
50	303	288	162	235	195											50
55	303	272	157	221	186		173			151						55
60	299	258	152	209	177	113	164	139		142	121		132			60
65	282	247	147	198	169	109	155	133		135	115		124	105		65
70	260	236	143	188	162	106	147	127		128	110		117	100		70
75	239	226	139	179	155	103	140	122	86.5	121	105		111	95.5		75
80	220	216	135	170	149	101	134	116	84	115	100	72.5	105	91		80
85	202	203	132	163	142	98	127	112	81.5	110	95.5	70	100	86.5	62	85
90	186	187	129	156	138	95.5	122	108	79	105	92	68	95.5	83	59.9	90
95	171	173	126	150	133	93	117	104	77	100	88.5	66	91	79.5	57.8	95
100	159	160	123	144	129	90.5	113	100	75	95.5	85	64	86.5	76	55.8	100
105	147	148	120	138	124	88.5	108	97	73	92	81.5	62	82.5	73	54	105
110	137	139	118	133	120	86.5	104	93.5	71	88.5	79	60	79	70	52.2	110
115	128	129	115	129	116	84.5	99.5	90.5	69.5	85	76.5	58.3	76	67.5	50.6	115
120	120	121	113	123	113	83	96	87	68	81.5	73.5	56.7	73	65	49.2	120
125	113	114	110	116	110	81.5	93	84.5	66.5	78	71	55.2	70	62.5	47.7	125
130	106	107	108	109	106	80	90.5	82	65	75.5	68.5	53.9	67	60.5	46.1	130
135	100	101	103	103	102	78.5	87.5	80	63.5	73	66.5	52.6	64.5	58.2	44.2	135
140	94.5	95	97	97.5	97.5	77	84.5	77.5	62.5	71	64.5	51.2	62.5	56	42.3	140
150	84	84.5	86	87	88	74.5	79.5	73.5	60	66.5	60.5	48.9	58.1	52.4	38.4	150
160	75	75.5	77	78	78.5	72.5	75.5	70	58	62	57.2	46.9	54.1	49.3	33.6	160
170	67.5	68	69	70	70.5	70.5	71.5	66.5	56.2	58.9	54.1	44.9	50.1	46.3	25.9	170
180	60.5	61		63.5	64	65	65	63.5	54.5	55.7	51.6	43.3	46.7	40.5	17.7	180
190	54.4	54.7		57.2	57.7	59	59.2	59.1	53.1	52.6	49.2	41.8	43.3	33.5	11.3	190
200				51.5	51.9		53.6	54.2	51.7	49.9	46.9	40.4	39.5	25.8		200
210				46.2			48.3	48.9	50.4	47.8	45.1	38.9	34.8	18.1		210
220				41.6			43.7	44.2	45.4	44.7	43.4	35.4	25.1	13.3		220
230							39.4	39.8		40.8	40.8	32				230
240										36.9	37.5					240
250										33.3						250
260										30.1						260

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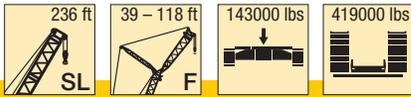
ft	SL 197															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
36	303															36
38	303															38
40	303	303														40
45	303	303		249												45
50	303	293		238												50
55	303	280	158	226	189		176									55
60	298	266	154	215	180	114	166	141		145			133			60
65	272	254	149	203	173	110	159	135		137	116		126	106		65
70	250	244	146	194	166	107	151	130		130	111		119	102		70
75	230	230	142	185	159	105	144	124	87	124	107		114	97.5		75
80	212	214	138	177	153	102	138	119	84.5	118	102	72.5	108	93		80
85	197	199	135	169	147	99.5	132	115	82	113	98	70.5	102	89		85
90	182	184	132	163	142	97	126	111	80	108	94	68.5	98	84.5		90
95	169	170	129	157	138	94.5	121	107	78	104	90.5	66.5	94	81	58.2	95
100	156	157	126	151	133	92.5	117	103	76	99	87.5	64.5	89.5	78	56.3	100
105	145	146	123	145	129	90.5	113	99.5	74	95	84	62.5	85.5	75	54.6	105
110	135	136	121	138	125	88.5	109	96.5	72.5	92	81	61	82	72	52.9	110
115	126	127	118	129	121	86.5	105	93.5	71	88.5	78.5	59.4	79	69.5	51.3	115
120	117	118	116	121	117	85	101	90.5	69.5	85.5	76	57.8	76	67	49.9	120
125	110	111	113	113	114	83	97	88	68	82	74	56.1	73.5	65	48.5	125
130	103	104	106	107	108	81.5	94	85	66.5	79	71.5	54.9	70.5	62.5	47.1	130
135	97	98	100	100	102	80.5	91.5	83	65	76.5	69	53.7	68	60.5	45.5	135
140	91.5	92	94.5	94.5	96	79	89	81	64	74	67	52.4	65	58.4	43.8	140
150	81	82	83.5	84	85	76.5	83.5	76.5	61.5	69.5	63	50.1	60.5	54.6	40.2	150
160	72	73	74.5	75	76	73.5	77	73	59.5	65.5	59.8	47.9	56.9	51.3	36.3	160
170	64.5	65	66.5	67	68	69.5	69	69.5	57.5	61.5	56.4	46.1	53.2	48.5	31.4	170
180	57.3	57.7	59	60.5	61	63	62.5	63	55.9	58.6	53.8	44.3	49.7	45.6	24	180
190	50.9	51.3	52.4	53.9	54.6	56.2	56.1	57	54.4	55.5	51.4	42.8	46.4	40.5	16.4	190
200	45.1	45.4		48.1	48.6	50.1	50.3	51.1	51.9	51.7	49.1	41.5	43.2	33.7	10.1	200
210	39.9			42.8	43.2		44.9	45.6	47.5	46.4	46.9	40.3	40	26.7		210
220	35.3			38.1	38.5		40.3	40.9	42.5	41.7	42.4	38.8	35.4	19.6		220
230				33.9	34.2		36	36.5	37.9	37.4	38.2	36.2	27.8	14.5		230
240							32	32.5		33.5	34.1	33				240
250							28.4			29.8	30.4	29.9				250
260							25.1			26.6	27.1	27.2				260
270										23.6	24					270

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ft	SL 217															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	303		251												45
50	303	296		241												50
55	299	286	160	230	192		178									55
60	288	273	155	219	184		169	143		147			135			60
65	262	261	151	209	177	111	161	137		139	118		128			65
70	240	242	147	199	170	108	154	132		133	113		121			70
75	221	223	144	191	163	105	148	127	87.5	127	108		116	98.5		75
80	204	206	141	183	157	103	141	122	85	121	104		110	94		80
85	189	191	137	176	152	101	136	117	83	116	100	71	105	90.5		85
90	175	177	134	168	147	98.5	131	113	80.5	111	96	69	101	86.5		90
95	163	165	131	162	142	96	125	110	78.5	107	92.5	67	96.5	83	58.8	95
100	152	154	129	154	137	94	120	106	76.5	103	89.5	65	92.5	79.5	57	100
105	142	143	126	144	133	91.5	116	102	75	98	86.5	63.5	88.5	77	55.3	105
110	132	133	124	136	129	90	113	99.5	73.5	94.5	83.5	62	84.5	74	53.6	110
115	123	124	121	127	125	88.5	109	96.5	72	91.5	80.5	60.5	81.5	71.5	51.9	115
120	115	116	117	118	120	86.5	105	94	70.5	88.5	78	58.7	78.5	69	50.4	120
125	107	108	111	111	112	85	102	91	69	85.5	76	57.2	76	66.5	49.1	125
130	100	101	104	104	105	83.5	98	88.5	67.5	82.5	74	55.7	73.5	64.5	47.8	130
135	94.5	95	98	98	99	82	94.5	86	66.5	80	71.5	54.5	70.5	62.5	46.4	135
140	88.5	89.5	92	92	93	80.5	91.5	83.5	65	77	69.5	53.4	68	60.5	45	140
150	78	79	81	81.5	82.5	78	83.5	79.5	62.5	72.5	65.5	51.1	63.5	56.6	41.8	150
160	69	70	71.5	72	73	74.5	74.5	75	60.5	68.5	62	48.9	59.4	53	38.4	160
170	61	61.5	63.5	64.5	65	67.5	66.5	67.5	58.7	64.5	58.9	47.1	55.9	50.3	34.9	170
180	53.7	54.3	55.9	57	57.9	60	59.3	60.5	56.9	60	55.8	45.4	52.5	47.7	29	180
190	47.3	47.8	49.2	50.5	51.2	53.3	52.8	53.9	54.3	54.4	53.1	43.8	49.2	44.7	22.3	190
200	41.5	41.9	43.1	44.6	45.3	47.1	46.9	47.8	50.4	48.4	49.6	42.4	46.1	40.5	15.4	200
210	36.3	36.6		39.2	39.8	41.4	41.5	42.3	44.6	43	44.1	41.2	43	33.9		210
220	31.7	32		34.6	35.1	36.4	36.8	37.5	39.5	38.3	39.3	40.1	38.9	27.3		220
230	27.6	27.8		30.3	30.7		32.5	33.1	34.9	34	34.9	37	34.8	20.7		230
240				26.4	26.8		28.5	29.1	30.6	30	30.8	33	29.4	15.1		240
250				22.8			24.9	25.4		26.3	27.1	29	21.8	11.3		250
260				19.6			21.6	22		23.1	23.7	25.4	13.5	7.6		260
270							18.6	18.9		20.1	20.6	22				270
280										17.3	17.7					280
290										14.7						290
300										12.3						300

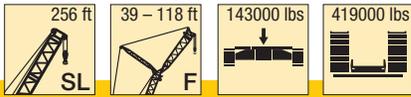
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K

ft	SL 236															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	303														45
50	303	298														50
55	295	289	160	231	194											55
60	277	276	156	222	186		172	144		148						60
65	253	255	152	213	179	111	164	139		141	118		128			65
70	232	235	149	204	173	108	157	133		135	114		123			70
75	213	216	145	196	166	106	151	129		129	110		117	99		75
80	197	199	142	188	160	104	145	124	85	124	106		113	95		80
85	182	184	139	181	155	101	139	119	83	119	102	71	108	91.5		85
90	169	171	136	170	150	99	134	115	81	114	98	69	103	88		90
95	157	159	133	159	145	97	129	112	79	110	94.5	67.5	98.5	84.5	58.9	95
100	146	148	131	149	141	95	124	108	77.5	106	91	65.5	95	81	57.2	100
105	136	138	128	139	137	93	119	105	75.5	102	88.5	64	91	78.5	55.5	105
110	128	129	126	130	131	91	116	102	74	97.5	85.5	62.5	87.5	76	54	110
115	120	121	123	122	124	89.5	112	99	72.5	94	82.5	61	84	73	52.4	115
120	112	113	117	115	116	88	109	96.5	71	91	80	59.4	80.5	70.5	50.9	120
125	105	106	109	108	109	86.5	106	94	69.5	88.5	78	58	78	68	49.5	125
130	98	99	102	101	103	85	102	91.5	68.5	85.5	75.5	56.5	75.5	66	48.3	130
135	92	93	96	95.5	97	83.5	96.5	89	67.5	83	73.5	55.3	73.5	64	47.1	135
140	86.5	87.5	90	89.5	91	82	91	86.5	66	80	71.5	54.1	71	62.5	45.9	140
150	76	77	79	79	80.5	78.5	81	80.5	64	75.5	67.5	52	66	58.6	43.1	150
160	66.5	67.5	69.5	70	71	74	72	73.5	61.5	70.5	64	49.9	61.5	55.1	39.9	160
170	58.2	59.1	61	61.5	63	65.5	64	65.5	59.8	65	61	47.8	58.3	51.9	36.7	170
180	51.1	51.9	53.7	54.4	55.4	58	56.8	58.1	58	58.2	58.2	46.2	55	49.4	33.1	180
190	44.7	45.4	47	47.8	48.8	51.1	50.2	51.4	53.8	51.7	53.1	44.7	51.1	46.9	27.6	190
200	38.9	39.5	40.9	41.9	42.8	44.8	44.2	45.3	48.1	45.7	47.1	43.2	46.4	44.1	21	200
210	33.7	34.2	35.4	36.6	37.4	39.2	38.8	39.8	42.4	40.3	41.6	41.8	41	40.3	14.5	210
220	29.1	29.6	30.6	32	32.6	34.2	34.1	35	37.3	35.5	36.7	39	36.3	34.3	9.4	220
230	25	25.4		27.7	28.3	29.6	29.8	30.6	32.6	31.2	32.3	35	32	28.3		230
240	21.2	21.5		23.8	24.3	25.4	25.8	26.6	28.3	27.2	28.2	30.7	28	22.3		240
250	17.7			20.2	20.6		22.2	22.8	24.4	23.6	24.5	26.7	24.4	16.4		250
260	14.5			17	17.3		18.9	19.5	20.8	20.3	21.1	23.1	21.1	12.8		260
270				14	14.3		15.9	16.4		17.3	18	19.7	15.6	9.3		270
280							13.1	13.5		14.4	15.1	16.6				280
290										11.8	12.4					290
300										9.5	10					300
310											7.7					310

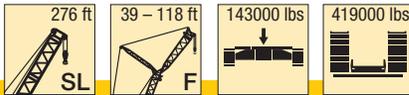
TAB 181118



ft	SL 256															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	301	269														45
50	294	263														50
55	283	256	159	207												55
60	268	250	155	201	181		164									60
65	244	243	152	195	176	110	159	137		136			123			65
70	224	226	148	190	171	108	154	132		132			120			70
75	206	209	145	184	166	105	149	128		127	109		115	97.5		75
80	190	193	142	179	161	103	144	124	84.5	123	105		111	94		80
85	176	178	139	175	156	101	139	120	82.5	118	101	70.5	107	90.5		85
90	164	166	137	165	152	99	134	116	80.5	113	98	68.5	102	87.5		90
95	152	154	134	154	147	97	130	112	79	109	94.5	67	98	84.5	58.4	95
100	142	143	131	144	142	95	126	109	77	106	91.5	65.5	94.5	81.5	56.8	100
105	132	134	129	134	137	93.5	121	106	75.5	102	88.5	64	91.5	78.5	55.2	105
110	124	125	127	126	128	92	117	103	74	99	86	62.5	88.5	76	53.8	110
115	116	117	121	118	120	90	114	100	72.5	95.5	83.5	61	85	73.5	52.3	115
120	108	110	114	111	113	88.5	110	97	71	92	81	59.5	82	71.5	50.9	120
125	102	103	107	104	106	87	105	95	70	89.5	78.5	58.2	79	69	49.5	125
130	95.5	96.5	100	97.5	99.5	86	98.5	92.5	68.5	87	76.5	56.9	77	66.5	48.3	130
135	89.5	91	94.5	92	93.5	84.5	93	90	67.5	84.5	74.5	55.6	74.5	65	47.2	135
140	84.5	85.5	88.5	86.5	88.5	83	88	87.5	66.5	82	73	54.4	72.5	63	46.1	140
150	74.5	75.5	78	77	78.5	79	78	80	64.5	76.5	69	52.3	68	59.7	43.6	150
160	65.5	66.5	68.5	68	69.5	73	69.5	71	62	69.5	65.5	50.4	63.5	56.3	40.8	160
170	57	57.9	60	60	61.5	64.5	61.5	63	60.5	62	62.5	48.5	59.6	53	37.5	170
180	49.8	50.7	52.6	53	54.1	56.9	55	56.4	58.2	55.4	56.8	46.8	54.6	50.4	34.3	180
190	43.4	44.2	45.9	46.5	47.5	49.9	48.6	49.9	53.3	49.4	51	45.3	49.1	48.1	30	190
200	37.7	38.3	39.9	40.6	41.5	43.7	42.7	43.9	46.9	43.8	45.3	43.9	43.7	45.1	24.7	200
210	32.5	33.1	34.4	35.3	36.1	38.1	37.3	38.4	41.1	38.7	40	42.5	38.7	40.4	18.5	210
220	28	28.5	29.6	30.6	31.4	33.1	32.6	33.6	36.1	33.9	35.2	38.2	34.4	35.9	12.3	220
230	23.8	24.3	25.3	26.4	27.1	28.6	28.3	29.2	31.5	29.6	30.8	33.7	30.2	31.7		230
240	20	20.4		22.5	23.1	24.4	24.4	25.2	27.2	25.6	26.7	29.4	26.4	27.4		240
250	16.5	16.9		18.9	19.4	20.6	20.7	21.5	23.3	22	23	25.4	22.7	22.8		250
260	13.4	13.7		15.7	16.2	17.1	17.5	18.2	19.7	18.7	19.6	21.8	19.4	17.1		260
270	10.6	10.8		12.7	13.1		14.5	15.1	16.4	15.7	16.5	18.5	16.4	13.3		270
280				10	10.3		11.7	12.2	13.4	12.9	13.7	15.4	13.6	10.1		280
290								9.6		10.3	11	12.5				290
300								7.2		8	8.5	9.9				300

TAB 181118

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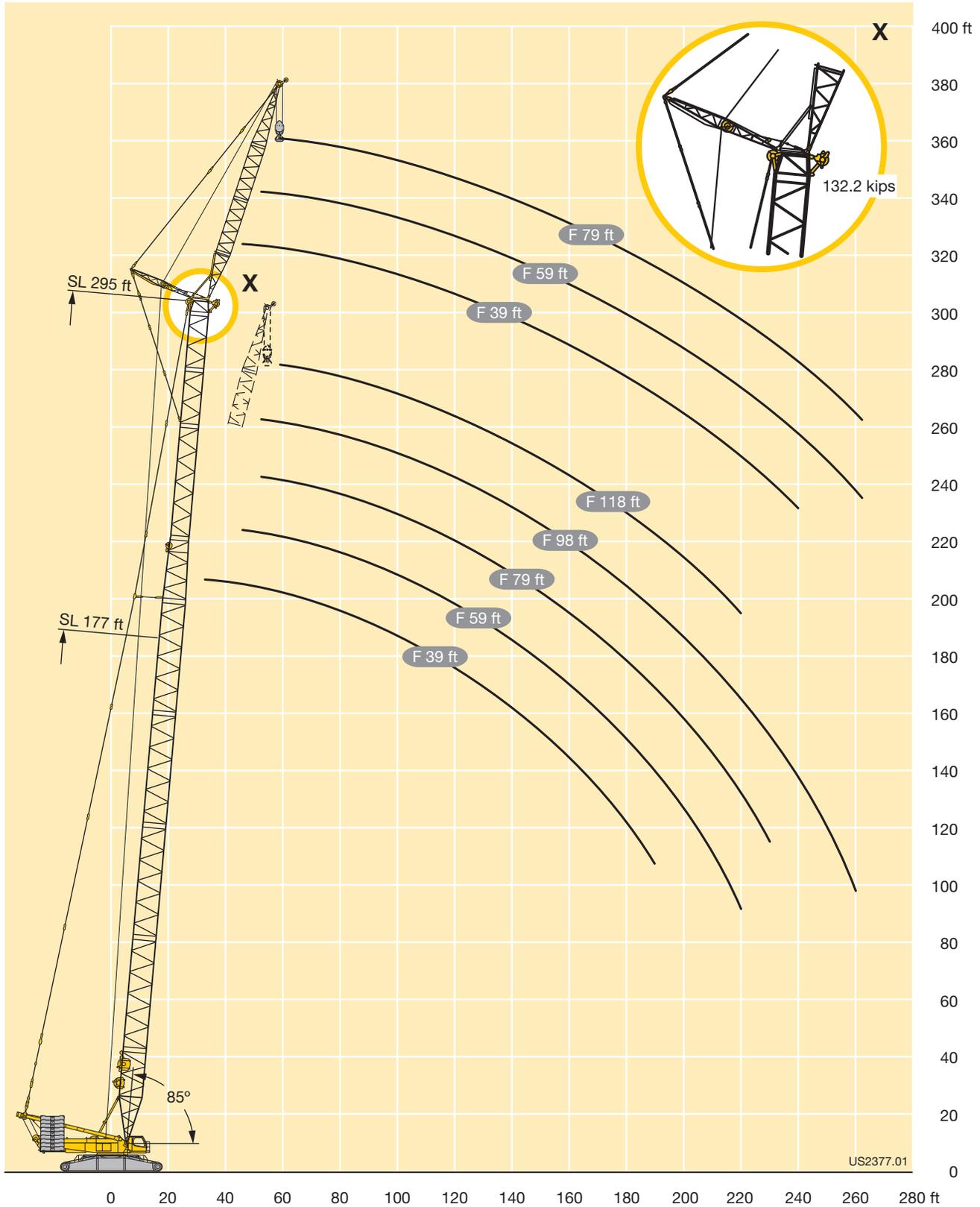


ft	SL 276															SL 295									ft		
	F 39			F 59			F 79			F 98			F 118			F 39			F 59			F 79					
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°			
45	301	270														294										45	
50	295	265														289										50	
55	280	259														274	257		207							55	
60	258	252	157	203	182			165							249	249	157	203	182			164				60	
65	235	237	153	198	178			161	138			138			124			227	230	154	198	179		160	139	65	
70	216	218	150	194	174			156	134			134			120			208	211	151	194	175		157	135	70	
75	198	201	147	189	169	106		151	130			129	110		116	98.5		191	194	148	188	171	106	153	131	75	
80	182	185	144	182	164	104		147	126	84.5		125	106		112	95		176	179	146	178	166	104	148	127	80	
85	169	171	141	171	159	102		142	122	83		120	103		108	91.5		162	165	143	165	162	102	144	124	83	85
90	156	159	138	159	155	100		137	118	81		116	99.5		104	88.5		150	153	140	153	154	101	140	120	81.5	90
95	145	147	136	148	148	98		133	115	79.5		112	96.5	67.5	100	86		140	142	138	142	145	99	135	117	80	95
100	135	137	134	137	140	96		129	111	78		108	93	65.5	96.5	83	57	130	132	134	132	135	97	131	113	78.5	100
105	126	127	131	128	131	94.5		125	108	76		105	90.5	64.5	93.5	80	55.6	120	122	128	123	126	95.5	124	110	77	105
110	117	119	123	120	122	93		120	105	74.5		102	88	63	90.5	77.5	54.1	112	114	119	115	117	94	116	108	75.5	110
115	109	111	116	112	114	91		113	102	73.5		98	85.5	61.5	87.5	75	52.8	105	106	111	107	110	92.5	108	105	74	115
120	102	104	108	105	107	89.5		106	99.5	72		95	83	60	84.5	73	51.4	97.5	99	104	100	102	90.5	101	102	72.5	120
125	95.5	97	101	98	100	88		99.5	97	71		91.5	80.5	58.8	82	71	50.1	91	92.5	96.5	93.5	95.5	89	95	97.5	71.5	125
130	89.5	91	94.5	92	94	87		93.5	94.5	69.5		89.5	78	57.6	79	68.5	48.8	85	86.5	90.5	87.5	89.5	88	89	91.5	70.5	130
135	84	85.5	89	86.5	88.5	85.5		88	90	68.5		86	76.5	56.4	76.5	66.5	47.7	79.5	81	84.5	82	84	85	83.5	86	69	135
140	78.5	80	83.5	81	83	84		82.5	84.5	67.5		81.5	74.5	55.2	74.5	64.5	46.7	74.5	75.5	79.5	77	78.5	81.5	78.5	80.5	68	140
150	69	70	73.5	71.5	73	77.5		73	75	65.5		73	71	53	70	61.5	44.5	64.5	66	69.5	67.5	69	73.5	69	71	66	150
160	60.5	61.5	64	63	64.5	68		64.5	66	63.5		64.5	66.5	51.2	64	58.1	42.2	56.3	57.4	60.5	58.8	60.5	64.5	60.5	62	63.5	160
170	52.8	53.8	56.3	55.2	56.5	60		56.6	58.3	61.5		57.1	59.2	49.4	56.8	55	39.2	48.8	49.8	52.5	51.3	52.7	56.3	52.7	54.5	59	170
180	46.1	47	49.2	48.5	49.8	52.9		50	51.6	55.3		50.5	52.4	47.6	50.3	51.4	36.1	42.2	43.2	45.6	44.7	46	49.3	46.2	47.8	52.1	180
190	39.8	40.6	42.6	42.5	43.6	46.5		43.9	45.4	49.1		44.5	46.3	46.1	44.4	46.5	33.1	36.3	37.2	39.4	38.7	39.9	42.9	40.2	41.7	45.7	190
200	34	34.8	36.5	36.9	37.9	40.5		38.4	39.8	43.2		39.1	40.7	43.8	39	40.9	29.2	30.9	31.7	33.7	33.2	34.3	37.1	34.7	36.1	39.8	200
210	28.8	29.4	31	31.7	32.6	34.9		33.4	34.6	37.8		34.1	35.6	39.5	34.1	35.9	23.4	25.9	26.7	28.5	28.2	29.2	31.8	29.7	31	34.4	210
220	24.2	24.8	26.2	27	27.9	29.9		28.9	30.1	33		29.6	31.1	34.7	29.7	31.4	17.6	21.6	22.2	23.9	23.8	24.7	27.1	25.3	26.5	29.6	220
230	20.1	20.6	21.8	22.8	23.5	25.4		24.7	25.8	28.4		25.5	26.9	30.2	25.6	27.2	11.8	17.5	18.1	19.5	19.7	20.6	22.7	21.2	22.3	25.2	230
240	16.2	16.7	17.8	18.8	19.5	21.2		20.8	21.8	24.1		21.8	23	26.1	21.9	23.4		13.7	14.2	15.5	16	16.8	18.6	17.4	18.4	21	240
250	12.7	13.2	14	15.2	15.9	17.3		17.2	18	20.1		18.2	19.4	22.2	18.4	19.8			10.7	11.8	12.5	13.2	14.9	13.9	14.8	17.2	250
260	9.6	10	10.7	12	12.6	13.8		13.9	14.7	16.5		15.1	16.1	18.7	15.3	16.6			7.5	8.4	9.3	10	11.5	10.7	11.6	13.8	260
270				9	9.5	10.6		10.9	11.6	13.2		12.1	13.1	15.4	12.4	13.6						8.3			8.6	10.6	270
280										10.1		9.3	10.2	12.3													280

K

Lifting heights Hauteurs de levage

SLF



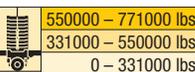
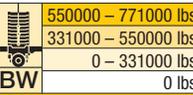


Table with columns for height (ft) and tower sections (SL2 236, SL2 256, SL2 276, SL2 295, SL2 315, SL2 335). Rows represent different tower configurations (B, B2, BW) and their corresponding weight values.

TAB 181450 / 181452 / 181456

HSL2DFB/B2/BW

HSL2 236 - 335



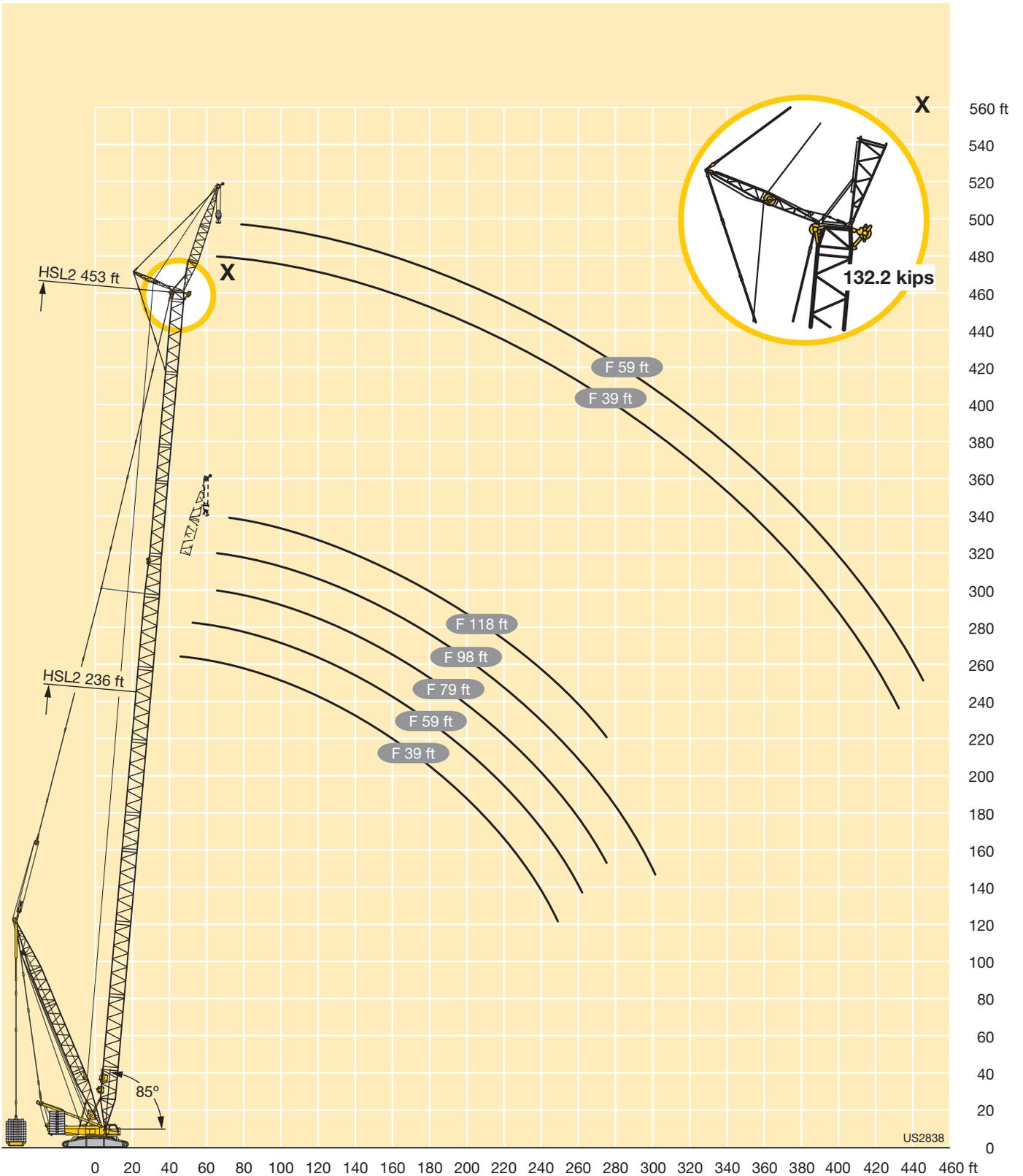
ft		SL2 236					SL2 256					SL2 276					SL2 295					SL2 315					SL2 335				
		39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118
160	B	67.3	71	74.3	75.5	66.9	62.5	66.3	69.8	71.6	68.9	57.5	62.4	65.3	67.2	67.2	52.7	57.7	60.7	62.7	62.8	48.8	53.9	57.1	59.2	59.2	43.6	49	52.3	54.5	54.7
	B2	175	115	90.1	76.3	66.9	184	120	93.8	79.4	69.4	192	126	97	82.3	71.8	180	130	100	84.5	73.9	193	135	103	87.1	76.7	186	138	106	89.8	78.8
	BW	174	115	89.4	76.1	66.9	183	120	93.4	79.3	69.2	192	126	96.9	82.2	71.7	177	129	100	84.5	73.8	189	134	103	87.3	76.5	182	137	105	89.7	78.7
170	B	58.6	62.7	66.2	67.8	62.8	54.5	58.3	61.8	63.6	63.6	49.6	54.4	57.3	59.3	59.4	44.9	49.8	52.8	54.9	55.1	41	46.1	49.3	51.4	51.6	36	41.3	44.6	46.9	47.1
	B2	167	109	85.8	71.8	62.8	174	114	89.2	74.9	65.4	183	121	92.2	78	68.1	173	124	94.9	80.5	69.8	183	128	98.3	82.9	72.2	176	132	101	85	74.2
	BW	167	109	85.4	71.8	62.8	174	114	88.9	74.8	65.3	182	121	91.8	77.9	68	171	123	95.2	80.5	69.8	181	128	98.2	83.1	72.1	173	131	101	85.2	74.2
180	B	51.1	55.2	58.7	60.8	59.3	47.6	51.3	54.8	56.7	56.9	42.7	47.4	50.3	52.3	52.6	38.1	42.9	46	48.1	48.4	34.3	39.3	42.4	44.6	44.9	29.3	34.5	37.8	40.2	40.4
	B2	159	105	81.5	68.4	59.3	167	109	85.1	71.2	61.6	175	115	88.3	74.1	64.4	167	119	90.4	76.4	66.3	173	123	93.7	79.2	68.7	166	126	96.8	81.5	70.5
	BW	159	105	81.4	68.3	59.2	167	109	85	71.1	61.4	174	116	88	73.7	64.3	165	118	90.7	76.6	66.3	175	123	93.7	79.1	68.6	167	125	96.5	81.3	70.5
190	B	44.4	48.4	51.9	54.1	54.5	41.2	44.8	48.3	50.3	50.7	36.5	41	44	46	46.4	31.9	36.6	39.7	41.8	42.2	28.1	33	36.2	38.4	38.8	23.2	28.3	31.6	34	34.4
	B2	153	100	77.8	65.1	56.1	160	104	81.3	67.9	58.4	168	111	84.5	70.7	61	159	114	86.6	72.8	62.8	168	118	89.6	75.3	65.4	161	121	92.4	77.9	67.1
	BW	152	100	77.8	64.8	56	160	104	81.1	67.8	58.3	167	111	84.3	70.5	60.9	159	114	86.9	72.9	62.8	169	118	89.7	75.1	65.2	162	121	92.1	77.5	67.1
200	B	38.3	42.3	45.7	47.9	48.8	35.3	39	42.5	44.5	45	30.7	35.2	38.1	40.3	40.8	26.3	30.9	33.9	36.1	36.6	22.5	27.3	30.5	32.7	33.2	17.6	22.7	26	28.4	28.9
	B2	146	96.3	74.5	61.7	53.1	153	101	77.5	64.7	55.5	161	106	81	67.6	57.9	153	109	83.3	69.5	59.7	162	114	86	71.8	62.1	155	117	88.5	74.2	64
	BW	146	96.3	74.5	61.7	53.1	153	101	77.5	64.8	55.5	162	106	80.8	67.6	58	154	109	83.6	69.4	59.6	164	113	86.1	71.5	61.9	157	117	88.2	74	63.9
210	B	32.8	36.7	40.1	42.3	43.2	29.8	33.7	37.1	39.2	39.7	25.5	29.9	32.8	35	35.5	21.1	25.7	28.7	30.9	31.5	17.4	22.1	25.2	27.5	28.1	12.5	17.5	20.8	23.2	23.8
	B2	141	92.2	71.5	59.3	50.2	148	96.6	74.7	61.8	53	155	102	77.6	64.7	55.3	149	105	79.9	66.7	57	157	109	82.8	69	58.9	150	113	85.3	70.7	60.9
	BW	141	92.4	71.4	59	50.1	147	96.6	74.4	61.6	52.8	155	102	77.2	64.4	55.2	150	105	80.2	66.8	56.8	159	109	82.9	68.7	58.8	151	113	85.2	70.6	60.5
220	B	28.1	31.8	35.2	37.3	38.3	24.9	28.8	32.2	34.5	35	20.9	25.2	28.1	30.3	30.9	16.6	21	24	26.2	26.9	12.9	17.5	20.5	22.9	23.5	8.2	12.9	16.1	18.6	19.2
	B2	136	89	68.5	56.9	46.1	143	93.1	71.9	59.3	50.3	150	98.7	74.8	61.8	52.8	145	102	76.8	63.9	54.6	153	105	79.7	66.3	56.5	145	108	82.3	68.2	58.3
	BW	136	89.3	68.3	56.7	45.9	142	92.9	71.6	59.2	49.9	149	98.3	74.5	61.5	52.5	146	102	77.1	64	54.3	155	105	79.6	66	56.4	148	109	82.2	68.1	58.2
230	B	23.7	27.3	30.6	32.8	33.8	20.5	24.3	27.7	30	30.7	16.7	20.8	23.7	25.9	26.6	12.6	16.7	19.6	21.9	22.6	8.2	12.9	16.2	18.6	19.3	4.3	8.2	11.3	14.3	15.2
	B2	131	85.9	66	54.5	41.8	138	89.9	69.2	57	46.6	145	95.3	72	59.3	50	142	98.2	74.1	61.3	52.1	149	102	76.8	63.7	54.2	142	105	79.2	65.7	55.9
	BW	131	86.2	65.7	54.3	41.5	138	89.8	68.9	56.8	46.2	144	94.8	71.8	59.1	49.6	143	97.9	74.4	61.3	51.8	151	101	76.7	63.4	54.1	144	105	79.1	65.6	55.9
240	B	23.2	26.5	28.6	29.7	16.4	20.1	23.6	25.8	26.7	12.8	16.8	19.6	21.8	22.6	8.2	12.6	15.6	17.9	18.6	4.3	8.2	11.3	14.3	15.2	1.4	4.3	7.2	10.1	11.0	
	B2	83.1	63.7	52.3	37.5	133	87.1	66.6	54.7	42.5	140	92.1	69.4	57	46.8	139	94.8	71.7	58.9	49.4	146	98.7	74.2	61.2	51.9	138	102	76.4	63.3	53.7	
	BW	83.2	63.5	52.2	37.1	133	86.9	66.4	54.4	42.1	139	91.7	69.1	56.9	46.1	140	94.5	71.9	59	49.1	147	98.2	74.1	60.9	51.7	140	102	76.3	63	53.8	
250	B	22.6	24.8	25.8	16.3	19.8	21.9	23	12.4	14.6	15.5	8.2	11.3	14.3	17.3	18.9	4.3	8.2	11.3	14.3	15.2	1.4	4.3	7.2	10.1	11.0	0.4	1.3	2.2	3.1	4.0
	B2	61.4	50.3	32.9	84.4	64.4	52.5	38.5	135	89.1	66.9	54.9	43	137	91.7	69.2	56.9	46.3	143	95.5	71.8	58.9	49.6	135	98.6	74	60.8	51.5			
	BW	61.3	50.3	32.4	84.1	64.2	52.1	38	134	89.1	66.5	54.8	42.1	137	91.3	69.3	56.9	45.8	144	95.1	71.8	58.6	49.3	137	98.5	73.9	60.6	51.6			
260	B	19.1	21.5	22.1	12.8	16.2	18.6	19.6	8.2	11.3	14.3	17.3	18.9	4.3	8.2	11.3	14.3	15.2	1.4	4.3	7.2	10.1	11.0	0.4	1.3	2.2	3.1	4.0			
	B2	59.6	48.4	24.2	81.6	62.3	50.7	34.4	130	86.5	64.9	52.7	39.3	135	89.3	66.9	54.9	42.4	140	92.6	69.6	57	46.5	133	95.7	71.9	58.8	49.4			
	BW	59.7	48.5	23	81.6	62	50.5	33.9	130	86.5	64.6	52.6	38.3	134	88.8	67	54.8	42	140	92.3	69.5	56.7	46.1	134	95.3	71.6	58.6				
270	B	18.3	12.9	15.4	16.4	8.2	11.3	14.3	17.3	18.9	4.3	8.2	11.3	14.3	15.2	1.4	4.3	7.2	10.1	11.0	0.4	1.3	2.2	3.1	4.0						
	B2	46.7	60.4	49	27	84.2	63	51	35.5	132	86.9	64.9	53	38.6	137	89.9	67.3	54.8	42.7	137	89.7	67.3	54.8	42.7	132	92.9	69.7	56.9			
	BW	46.8	60.3	48.8	26.6	84.2	62.7	50.9	33.9	131	86.4	65	52.7	38.2	137	89.7	67.3	54.8	42.7	132	92.9	69.7	56.9								
280	B	15.2	58.7	47.3	18.1	81.8	61.2	49.3	29.7	84.5	63.2	51.2	34.6	84.5	63.2	51.2	34.6	84.5	63.2	51.2	34.6	84.5	63.2	51.2	34.6	84.5	63.2	51.2	34.6		
	B2	45.2	58.7	47.2	81.6	60.8	49.3	28.2	81.8	61.2	49.3	29.7	81.8	61.2	49.3	29.7	81.8	61.2	49.3	29.7	81.8	61.2	49.3	29.7	81.8	61.2	49.3	29.7			
	BW	45.1	58.6	47.4	81.6	61.2	49.3	29.7	81.6	61.2	49.3	29.7	81.6	61.2	49.3	29.7	81.6	61.2	49.3	29.7	81.6	61.2	49.3	29.7	81.6	61.2	49.3	29.7			
290	B	45.8	45.7	59.1	47.8	20.5	59.5	47.8	21.5	82.4	61.4	49.7	30.1	82.4	61.4	49.7	30.1	82.4	61.4	49.7	30.1	82.4	61.4	49.7	30.1	82.4	61.4	49.7	30.1		
	B2	45.8	45.8	59.4	47.9	21.5	59.4	47.9	21.5	82.4	61.3	49.4	29.9	82.4	61.3	49.4	29.9	82.4	61.3	49.4	29.9	82.4	61.3	49.4	29.9	82.4	61.3	49.4	29.9		
	BW	45.8	45.8	59.4	47.9	21.5	59.4	47.9	21.5	82.4	61.3	49.4	29.9	82.4	61.3	49.4	29.9	82.4	61												

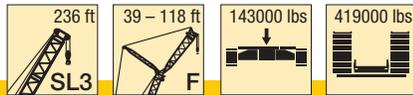


550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

B B2 BW

ft	SL2 354					SL2 374					SL2 394					SL2 413					SL2 433					SL2 453	
	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59
220	153	112	85.1	14.3	15	152	116	89.3	72.2	64.5	151	116	91.4	74.4	66.7	136	108	90.2	78.2	67.5	127	107	89.6	78.1	68.2	112	92.1
	157	112	85	70.4	60.3	156	116	89.3	71.9	64.3	157	117	91.5	74.2	66.3	141	107	87.9	76.3	66.6	131	105	87.5	76	66.4	111	91.1
	156	113	84.9	70.4	60.2	156	116	89.3	72.1	64.2	155	117	91.6	74.4	66.3	140	107	88.1	76.4	66.5	131	105	87.5	75.9	66.4	111	92.3
230	148	108	82.2	67.8	57.8	147	112	86.4	69.5	61.6	147	113	88.3	71.3	63.7	133	104	87.2	75.2	64.6	123	103	86.7	75.5	65.8	106	88.9
	153	108	82	67.8	57.8	152	112	86.3	69.2	61.4	152	114	88.5	71.2	63.5	137	105	85.1	73.7	64.1	128	102	84.6	73.6	64.3	108	88.9
	152	109	82.1	67.9	57.7	152	113	86.4	69.4	61.3	151	114	88.5	71.4	63.4	137	105	85.3	73.7	64	128	102	84.7	73.6	64.3	108	88.9
240	145	105	79.4	65.4	55.6	143	109	83.5	67.2	59.1	142	110	85.6	68.7	61	129	101	84.7	72.4	61.8	120	97.6	83.7	72.8	63.4	104	86.2
	149	105	79	65.5	55.6	148	109	83.4	66.9	58.9	149	112	85.7	68.6	60.8	133	102	82.8	71.2	61.5	124	99.2	82	71.2	62.1	105	86.1
	149	105	79.3	65.5	55.5	148	110	83.6	67.1	58.8	147	111	85.7	68.7	60.8	133	102	82.9	71.2	61.5	124	99.3	82.1	71.2	62.3	105	86.2
250	142	102	76.6	63	53.5	141	106	80.6	64.9	57	139	107	82.9	66.5	58.6	126	98.8	82.6	69.9	59	117	95.2	80.8	70.2	61	101	84
	145	102	76.1	63.2	53.5	145	106	80.5	64.6	56.8	145	109	82.9	66.5	58.5	130	99.7	80.8	69	59	121	96.8	79.9	68.8	60	103	84
	146	102	76.5	63.1	53.4	145	106	80.9	64.9	56.7	144	108	82.9	66.6	58.3	129	99.8	81	68.9	59.1	121	96.8	80.1	68.9	60.2	103	84.1
260	139	99.1	74.3	60.7	51.5	138	103	77.8	62.6	54.9	137	104	80.3	64.3	56.7	122	96.3	80.5	67.9	57.2	114	92.8	78	68.3	58.8	98.1	81.8
	142	98.8	74	60.8	51.3	142	103	77.7	62.4	54.8	143	106	80.1	64.3	56.4	127	97.2	78.9	67	57.1	118	94.3	78	67.2	58	99.8	82
	142	98.9	74.3	60.8	51.3	142	104	78.1	62.6	54.7	141	106	80.2	64.4	56.4	127	97.3	79.1	67	57.1	118	94.4	78.2	67.2	58	99.9	82
270	136	96.3	72.2	58.8	49.3	135	101	75.7	60.3	52.9	134	102	77.7	62.2	54.7	120	93.4	78.4	65.8	55.3	110	90.4	75.3	66.5	56.9	94.8	79.6
	139	96	72	58.8	49	139	100	75.5	60.2	52.7	140	103	77.6	62.2	54.4	124	95	77	65.1	55.2	115	91.9	76.1	65.6	56.3	97.1	79.6
	139	96.1	72.2	58.8	49	139	101	75.9	60.4	52.6	138	103	77.6	62.3	54.3	124	95	77.2	65.2	55.3	115	92	76.3	65.6	56.2	97.1	79.8
280	133	93.6	70.1	57.1	46.7	132	98	73.6	58.3	50.7	132	99.4	75.6	60.2	52.8	118	91.5	75.7	63.7	53.5	108	87.5	73.4	64.6	55.1	91	87.8
	137	93.3	69.9	57	46.3	136	97.6	73.5	58.3	50.4	137	101	75.3	60.1	52.4	121	93.1	75.1	63.1	53.3	113	89.7	74.2	64.1	54.5	94.8	77.5
	136	93.3	70.1	57.1	46.3	135	97.9	73.9	58.5	50.4	135	100	75.4	60.2	52.3	121	93.1	75.3	63.4	53.5	113	89.8	74.5	64	54.5	94.8	77.7
290	130	91	68	55.5	43.5	128	95	71.6	56.6	48.1	129	97.1	73.7	58.2	50.7	116	89.9	72.8	61.6	51.7	106	85.4	71.6	62.7	53.3	88.6	75.5
	135	90.9	67.9	55.2	43.1	134	94.9	71.5	56.7	47.7	134	98.2	73.4	58.2	50.3	119	91.4	73.4	61.2	51.5	110	87.9	72.4	62.5	52.8	92.8	75.7
	133	90.8	68.1	55.4	43.2	130	95.2	71.9	56.8	47.8	132	97.9	73.6	58.2	50.2	119	91.4	73.6	61.5	51.7	111	87.9	72.6	62.3	52.7	92.8	75.7
300	127	88.7	66.1	53.8	40.4	123	92.6	69.6	55	44.9	124	94.8	71.8	56.7	48.1	113	88.2	71.4	59.7	49.9	104	83.9	69.9	60.9	51.6	87	74
	133	88.8	66.1	53.5	39.9	131	92.4	69.5	55.1	44.3	130	95.6	71.4	56.7	47.5	116	89.7	71.9	59.5	49.5	108	86.3	70.8	61	51.1	90.8	74
	130	88.8	66.1	53.7	40.2	126	92.7	69.9	55.2	44.5	126	95.4	71.7	56.7	47.5	116	89.7	72	59.8	49.8	108	86.3	71.1	60.7	51	90.9	74.1
310	121	86.4	64.5	52.1	37.3	118	90.5	67.7	53.4	41.8	118	92.5	69.9	55.1	45.1	110	86.5	69.9	58.1	47.2	102	82.3	68.3	59.2	49.8	85.3	72.5
	130	86.6	64.5	51.8	36.4	129	90.3	67.7	53.5	40.8	126	93.2	69.5	55.1	44.3	114	88	70.4	58	46.8	106	84.6	69.6	59.4	49.4	88.7	72.6
	124	86.8	64.5	52	37.2	121	90.6	67.9	53.5	41.2	120	93	69.9	55.2	44.6	112	88	70.5	58.2	47.1	106	84.6	69.6	59.2	49.3	88.9	72.6
320	115	84.3	62.9	50.5	33.9	113	88.4	66	51.8	38.6	112	90.5	68	53.5	42	105	84.7	68.4	56.6	44.1	99.4	80.8	66.8	57.7	47.3	83.7	71.1
	127	84.5	63	50.3	32.8	126	88.2	66	52	37.4	122	91.1	67.7	53.6	41	112	86.3	68.9	56.6	43.7	104	82.8	68.2	57.9	47	86.7	71.1
	118	84.7	63	50.5	33.7	116	88.6	66.2	51.9	38	114	90.9	68.1	53.7	41.6	108	86.4	68.9	56.7	44	103	82.9	68.2	57.8	46.8	87	71.1
330	82.3	61.4	49.1	29.5	107	86.3	64.6	50.3	35.3	105	88.6	66.3	51.9	38.9	101	83.5	67	55	41	95.8	78.9	65.3	56.3	44.2	81.9	69.6	
	82.6	61.4	49	28.5	120	86.2	64.5	50.5	33.8	118	89.3	66.1	52	37.7	110	84.9	67.4	55.1	40.3	102	81.2	66.9	56.4	44	84.8	69.6	
	82.6	61.5	49.1	29.3	110	86.6	64.7	50.4	34.6	108	88.8	66.4	52.2	38.6	104	85	67.4	55.2	40.7	99.4	81.3	66.8	56.5	43.9	85.1	69.6	
340	80.6	59.8	47.8	22.8	102	84.3	63.2	49.2	31.4	99.6	86.7	64.8	50.4	35.8	96.6	82.5	65.7	53.5	37.8	92.1	77.8	64.1	54.8	41	79.8	68.1	
	80.8	59.8	47.8	22.2	114	84.2	63	49.3	29.7	112	87.3	64.8	50.6	34.4	107	83.8	65.9	53.7	36.9	101	79.9	65.6	54.9	40.8	83.5	68.1	
	80.6	60	47.7	22.6	104	84.7	63.1	49.2	30.6	103	86.8	64.9	50.7	35.6	99.8	83.8	65.9	53.7	37.4	95.8	80	65.4	55.1	40.8	83.5	68.1	
350	58.7	46.6	16.1	82.5	61.6	48	23.9	94	84.8	63.3	49.3	31.9	91.9	81.6	64.5	51.9	34.7	88.5	77	62.7	53.4	37.8	77.8	66.9			
	58.3	46.5	15.8	83	61.6	48	24.8	107	85.5	63.4	49.4	30.5	104	82.8	64.4	52.3	33.5	99.2	78.8	64.4	53.4	37.6	82	66.8			
	58.6	46.4	15.9	83	61.6	48	24.8	96.9	84.9	63.5	49.5	31.8	95.1	82.7	64.6	52.3	34	92.2	78.9	64.1	53.7	37.8	82	66.8			
360	57.5	45.4	81.4	60.3	47	19.2	83.1	61.9	48.2	26.9	86.8	80.7	63.2	50.7	31.1	84.6	76.1	61.8	51.9	34.7	86.6	76.1	61.8	51.9	34.7	75.8	65.9
	57	45.4	81.2	60.3	46.8	18	83.7	62	48.3	25.6	89.2	81.7	63	51	29.8	96.9	77.6	63.4	52	34.4	99.2	77.6	63.4	52	34.4	80.8	65.9
	57.3	45.3	81.4	60.3	46.9	18.7	83.3	62	48.3	26.8	89.9	81.6	63.3	51	30.4	88.3	77.8	63.1	52.3	34.8	88.3	77.8	63.1	52.3	34.8	80.5	65.8
370	44.4	44.4	59.1	45.5	59.1	45.9	81.5	60.6	47.2	21	81.8	79.6	62	49.7	26.9	80.5	75.3	61.4	50.8	31.5	80.5	75.3	61.4</				

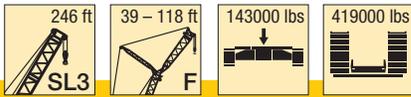




ft	SL3 236															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	303														45
50	303	298														50
55	295	289	160	231	194											55
60	277	276	156	222	186		172	144		148						60
65	253	255	152	213	179	111	164	139		141	118		128			65
70	232	235	149	204	173	108	157	133		135	114		123			70
75	213	216	145	196	166	106	151	129		129	110		117	99		75
80	197	199	142	188	160	104	145	124	85	124	106		113	95		80
85	182	184	139	181	155	101	139	119	83	119	102	71	108	91.5		85
90	169	171	136	170	150	99	134	115	81	114	98	69	103	88		90
95	157	159	133	159	145	97	129	112	79	110	94.5	67.5	98.5	84.5	58.9	95
100	146	148	131	149	141	95	124	108	77.5	106	91	65.5	95	81	57.2	100
105	136	138	128	139	137	93	119	105	75.5	102	88.5	64	91	78.5	55.5	105
110	128	129	126	130	131	91	116	102	74	97.5	85.5	62.5	87.5	76	54	110
115	120	121	123	122	124	89.5	112	99	72.5	94	82.5	61	84	73	52.4	115
120	112	113	117	115	116	88	109	96.5	71	91	80	59.4	80.5	70.5	50.9	120
125	105	106	109	108	109	86.5	106	94	69.5	88.5	78	58	78	68	49.5	125
130	98	99	102	101	103	85	102	91.5	68.5	85.5	75.5	56.5	75.5	66	48.3	130
135	92	93	96	95.5	97	83.5	96.5	89	67.5	83	73.5	55.3	73.5	64	47.1	135
140	86.5	87.5	90	89.5	91	82	91	86.5	66	80	71.5	54.1	71	62.5	45.9	140
150	76	77	79	79	80.5	78.5	81	80.5	64	75.5	67.5	52	66	58.6	43.1	150
160	66.5	67.5	69.5	70	71	74	72	73.5	61.5	70.5	64	49.9	61.5	55.1	39.9	160
170	58.2	59.1	61	61.5	63	65.5	64	65.5	59.8	65	61	47.8	58.3	51.9	36.7	170
180	51.1	51.9	53.7	54.4	55.4	58	56.8	58.1	58	58.2	58.2	46.2	55	49.4	33.1	180
190	44.7	45.4	47	47.8	48.8	51.1	50.2	51.4	53.8	51.7	53.1	44.7	51.1	46.9	27.6	190
200	38.9	39.5	40.9	41.9	42.8	44.8	44.2	45.3	48.1	45.7	47.1	43.2	46.4	44.1	21	200
210	33.7	34.2	35.4	36.6	37.4	39.2	38.8	39.8	42.4	40.3	41.6	41.8	41	40.3	14.5	210
220	29.1	29.6	30.6	32	32.6	34.2	34.1	35	37.3	35.5	36.7	39	36.3	34.3	9.4	220
230	25	25.4		27.7	28.3	29.6	29.8	30.6	32.6	31.2	32.3	35	32	28.3		230
240	21.2	21.5		23.8	24.3	25.4	25.8	26.6	28.3	27.2	28.2	30.7	28	22.3		240
250	17.7			20.2	20.6		22.2	22.8	24.4	23.6	24.5	26.7	24.4	16.4		250
260	14.5			17	17.3		18.9	19.5	20.8	20.3	21.1	23.1	21.1	12.8		260
270				14	14.3		15.9	16.4		17.3	18	19.7	15.6	9.3		270
280							13.1	13.5		14.4	15.1	16.6				280
290										11.8	12.4					290
300										9.5	10					300
310											7.7					310

TAB 181111

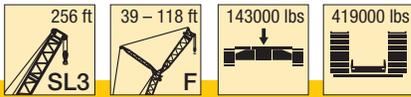
M



ft	SL3 246															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	301														45
50	303	296														50
55	295	289	161	231	194											55
60	279	277	157	223	187		173			148						60
65	254	257	153	215	180	111	165	139		142	119		129			65
70	234	236	150	206	174	109	159	134		136	115		124			70
75	216	218	146	198	168	106	153	129		130	110		118	99.5		75
80	199	201	143	190	162	104	147	125	85.5	125	106		113	95.5		80
85	185	187	140	184	157	102	141	121	83.5	120	102	71	109	92		85
90	172	174	137	173	152	99.5	136	116	81.5	115	98.5	69	104	88.5		90
95	160	162	134	162	147	97.5	131	113	79.5	111	95	67.5	100	85.5	59	95
100	150	152	132	151	143	95.5	126	110	77.5	107	92	66	96	82	57.3	100
105	140	142	129	142	138	93.5	121	106	76	103	89	64	92.5	79	55.7	105
110	132	133	127	133	134	91.5	117	103	74.5	99	86.5	62.5	89	76.5	54.2	110
115	124	125	125	125	127	90	114	100	73	95.5	83.5	61	85.5	74	52.6	115
120	116	117	121	118	120	88.5	111	97.5	71.5	92.5	81	59.7	82	71.5	51.1	120
125	109	110	113	111	113	87	107	95	70	89.5	78.5	58.3	79	69	49.8	125
130	102	103	106	105	106	85.5	104	92.5	69	87	76.5	57	77	67	48.6	130
135	96	97	99.5	99	100	84	99.5	90	67.5	84.5	74.5	55.7	74.5	65	47.4	135
140	90	91	93.5	93	94.5	82.5	94	87.5	66.5	82	72.5	54.5	72	63	46.2	140
150	80	80.5	83	82.5	83.5	80	84.5	82.5	64.5	77	69	52.4	67.5	59.6	43.6	150
160	71	71.5	73.5	73.5	74.5	76.5	75	76.5	62	72	65	50.3	63	56.1	40.6	160
170	62.5	63.5	65.5	65.5	66.5	68.5	67	68.5	60.5	68	62	48.3	59.4	52.7	37.6	170
180	55.6	56.3	58	58.3	59.3	61.5	60	61.5	58.6	61.5	59.2	46.7	56.2	50.2	34.5	180
190	49.2	49.9	51.4	51.9	52.7	54.9	53.7	54.9	55.7	54.9	55.2	45.2	53	47.8	29.6	190
200	43.4	44	45.4	46	46.8	48.7	47.8	48.8	51.5	48.9	50.2	43.7	49.2	45.4	23.6	200
210	38.2	38.7	39.9	40.6	41.4	43.1	42.4	43.4	45.8	43.5	44.7	42.2	44	43	17.2	210
220	33.7	34.1	35.1	36	36.7	38.2	37.7	38.6	40.8	38.8	39.9	41.2	39.3	37.2	10.9	220
230	29.6	29.9	30.8	31.8	32.3	33.7	33.4	34.2	36.2	34.5	35.5	38	35	31.5		230
240	25.7	26.1		27.9	28.4	29.5	29.5	30.2	31.9	30.5	31.5	33.8	31	25.7		240
250	22.2	22.5		24.3	24.7		25.8	26.5	28	26.9	27.8	29.9	27.4	19.9		250
260	19.1	19.4		21.1	21.5		22.6	23.2	24.5	23.6	24.4	26.3	24.2	15.3		260
270				18.1	18.5		19.6	20.1	21.2	20.6	21.3	23.1	19.8	11.6		270
280				15.4			16.8	17.3		17.8	18.5	20				280
290							14.3	14.6		15.2	15.8	17.1				290
300							11.9	12.2		12.9	13.4	14.5				300
310										10.7	11.1					310
320										8.7						320

M

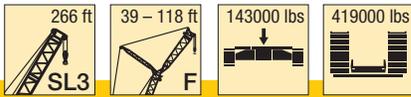
TAB 181111



ft	SL3 256															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	301	269														45
50	294	263														50
55	283	256	159	207												55
60	268	250	155	201	181		164									60
65	244	243	152	195	176	110	159	137		136			123			65
70	224	226	148	190	171	108	154	132		132			120			70
75	206	209	145	184	166	105	149	128		127	109		115	97.5		75
80	190	193	142	179	161	103	144	124	84.5	123	105		111	94		80
85	176	178	139	175	156	101	139	120	82.5	118	101	70.5	107	90.5		85
90	164	166	137	165	152	99	134	116	80.5	113	98	68.5	102	87.5		90
95	152	154	134	154	147	97	130	112	79	109	94.5	67	98	84.5	58.4	95
100	142	143	131	144	142	95	126	109	77	106	91.5	65.5	94.5	81.5	56.8	100
105	132	134	129	134	137	93.5	121	106	75.5	102	88.5	64	91.5	78.5	55.2	105
110	124	125	127	126	128	92	117	103	74	99	86	62.5	88.5	76	53.8	110
115	116	117	121	118	120	90	114	100	72.5	95.5	83.5	61	85	73.5	52.3	115
120	108	110	114	111	113	88.5	110	97	71	92	81	59.5	82	71.5	50.9	120
125	102	103	107	104	106	87	105	95	70	89.5	78.5	58.2	79	69	49.5	125
130	95.5	96.5	100	97.5	99.5	86	98.5	92.5	68.5	87	76.5	56.9	77	66.5	48.3	130
135	89.5	91	94.5	92	93.5	84.5	93	90	67.5	84.5	74.5	55.6	74.5	65	47.2	135
140	84.5	85.5	88.5	86.5	88.5	83	88	87.5	66.5	82	73	54.4	72.5	63	46.1	140
150	74.5	75.5	78	77	78.5	79	78	80	64.5	76.5	69	52.3	68	59.7	43.6	150
160	65.5	66.5	68.5	68	69.5	73	69.5	71	62	69.5	65.5	50.4	63.5	56.3	40.8	160
170	57	57.9	60	60	61.5	64.5	61.5	63	60.5	62	62.5	48.5	59.6	53	37.5	170
180	49.8	50.7	52.6	53	54.1	56.9	55	56.4	58.2	55.4	56.8	46.8	54.6	50.4	34.3	180
190	43.4	44.2	45.9	46.5	47.5	49.9	48.6	49.9	53.3	49.4	51	45.3	49.1	48.1	30	190
200	37.7	38.3	39.9	40.6	41.5	43.7	42.7	43.9	46.9	43.8	45.3	43.9	43.7	45.1	24.7	200
210	32.5	33.1	34.4	35.3	36.1	38.1	37.3	38.4	41.1	38.7	40	42.5	38.7	40.4	18.5	210
220	28	28.5	29.6	30.6	31.4	33.1	32.6	33.6	36.1	33.9	35.2	38.2	34.4	35.9	12.3	220
230	23.8	24.3	25.3	26.4	27.1	28.6	28.3	29.2	31.5	29.6	30.8	33.7	30.2	31.7		230
240	20	20.4		22.5	23.1	24.4	24.4	25.2	27.2	25.6	26.7	29.4	26.4	27.4		240
250	16.5	16.9		18.9	19.4	20.6	20.7	21.5	23.3	22	23	25.4	22.7	22.8		250
260	13.4	13.7		15.7	16.2	17.1	17.5	18.2	19.7	18.7	19.6	21.8	19.4	17.1		260
270	10.6	10.8		12.7	13.1		14.5	15.1	16.4	15.7	16.5	18.5	16.4	13.3		270
280				10	10.3		11.7	12.2	13.4	12.9	13.7	15.4	13.6	10.1		280
290								9.6		10.3	11	12.5				290
300								7.2		8	8.5	9.9				300

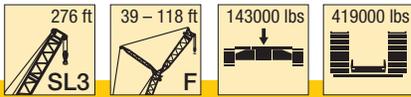
TAB 181111





ft	SL3 266															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	303	273														45
50	298	268														50
55	287	261		210												55
60	270	254	156	205	183		166									60
65	247	247	152	199	178	110	161	137		138			125			65
70	227	229	149	194	173	108	156	133		133			121			70
75	209	211	146	189	168	106	151	129		128	109		116	98		75
80	193	196	143	184	163	103	146	125	84.5	124	106		112	94.5		80
85	179	181	140	179	158	101	140	121	82.5	119	102	70.5	108	91		85
90	167	169	138	168	153	99.5	136	117	81	115	99	69	104	88		90
95	156	158	135	157	149	97.5	131	114	79	111	95.5	67	99.5	85		95
100	145	147	132	147	144	95.5	127	110	77.5	107	92.5	65.5	95.5	82	57	100
105	136	138	130	137	140	94	123	107	76	104	89.5	64	92.5	79.5	55.4	105
110	128	129	128	129	131	92	119	104	74.5	100	87	62.5	89.5	77	54	110
115	120	121	124	121	123	90.5	115	101	73	97	84.5	61	86.5	74.5	52.6	115
120	113	114	118	114	116	89	112	98.5	71.5	93.5	82	59.8	83.5	72	51.2	120
125	106	107	111	107	109	87.5	108	96	70.5	90.5	79.5	58.5	80.5	70	49.8	125
130	99.5	101	104	101	103	86	102	94	69	88.5	77.5	57.3	78	67.5	48.6	130
135	94	95	98	96	97.5	85	96.5	91.5	68	86	75.5	56	75.5	66	47.5	135
140	88.5	90	92.5	90.5	92	83.5	91	89.5	67	83.5	73.5	54.8	73.5	64	46.4	140
150	79	79.5	82	81	82	80.5	81.5	83	65	78.5	70	52.7	69	60.5	44.1	150
160	69.5	70.5	72.5	72	73.5	76	73	74.5	63	73	66.5	50.8	65	57.3	41.5	160
170	61.5	62.5	64.5	64.5	65.5	67.5	65.5	67	61	65.5	63	48.9	60.5	54	38.4	170
180	54.5	55.3	57.1	57.1	58.1	60.5	58.7	60	59.2	58.8	59.4	47.2	57.1	51.3	35.3	180
190	48.1	48.8	50.4	50.6	51.6	53.9	52.4	53.6	55.5	52.8	54.3	45.7	52.2	48.9	31.6	190
200	42.4	43	44.4	44.7	45.6	47.7	46.4	47.6	50.4	47.3	48.7	44.3	46.9	46.5	27	200
210	37.2	37.7	39	39.5	40.2	42.1	41.1	42.1	44.7	42.1	43.4	43	42	43.5	21	210
220	32.6	33.1	34.3	34.8	35.5	37.2	36.4	37.4	39.7	37.4	38.6	40.7	37.6	39.1	15	220
230	28.5	29	29.9	30.6	31.2	32.7	32.1	33	35.1	33.1	34.2	36.9	33.5	34.8	9.7	230
240	24.7	25.1	25.9	26.7	27.3	28.6	28.2	29	30.9	29.1	30.2	32.7	29.6	30.5		240
250	21.2	21.6		23.1	23.7	24.8	24.6	25.3	27	25.5	26.4	28.7	25.9	26		250
260	18.1	18.4		19.9	20.4	21.4	21.3	22	23.5	22.3	23.1	25.2	22.7	20.5		260
270	15.3	15.5		17	17.4		18.4	19	20.3	19.3	20	22	19.7	16		270
280	12.7			14.3	14.6		15.6	16.1	17.3	16.5	17.2	18.9	16.9	12.2		280
290				11.8	12.1		13	13.5		13.9	14.5	16				290
300				9.5	9.7		10.7	11.1		11.5	12.1	13.4				300
310							8.5	8.9		9.4	9.9	11				310

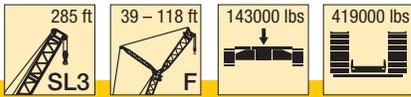
TAB 181111



ft	SL3 276															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	301	270														45
50	295	265														50
55	280	259		209												55
60	258	252	157	203	182		165									60
65	235	237	153	198	178		161	138		138			124			65
70	216	218	150	194	174		156	134		134			120			70
75	198	201	147	189	169	106	151	130		129	110		116	98.5		75
80	182	185	144	182	164	104	147	126	84.5	125	106		112	95		80
85	169	171	141	171	159	102	142	122	83	120	103		108	91.5		85
90	156	159	138	159	155	100	137	118	81	116	99.5		104	88.5		90
95	145	147	136	148	148	98	133	115	79.5	112	96.5	67.5	100	86		95
100	135	137	134	137	140	96	129	111	78	108	93	65.5	96.5	83	57	100
105	126	127	131	128	131	94.5	125	108	76	105	90.5	64.5	93.5	80	55.6	105
110	117	119	123	120	122	93	120	105	74.5	102	88	63	90.5	77.5	54.1	110
115	109	111	116	112	114	91	113	102	73.5	98	85.5	61.5	87.5	75	52.8	115
120	102	104	108	105	107	89.5	106	99.5	72	95	83	60	84.5	73	51.4	120
125	95.5	97	101	98	100	88	99.5	97	71	91.5	80.5	58.8	82	71	50.1	125
130	89.5	91	94.5	92	94	87	93.5	94.5	69.5	89.5	78	57.6	79	68.5	48.8	130
135	84	85.5	89	86.5	88.5	85.5	88	90	68.5	86	76.5	56.4	76.5	66.5	47.7	135
140	78.5	80	83.5	81	83	84	82.5	84.5	67.5	81.5	74.5	55.2	74.5	64.5	46.7	140
150	69	70	73.5	71.5	73	77.5	73	75	65.5	73	71	53	70	61.5	44.5	150
160	60.5	61.5	64	63	64.5	68	64.5	66	63.5	64.5	66.5	51.2	64	58.1	42.2	160
170	52.8	53.8	56.3	55.2	56.5	60	56.6	58.3	61.5	57.1	59.2	49.4	56.8	55	39.2	170
180	46.1	47	49.2	48.5	49.8	52.9	50	51.6	55.3	50.5	52.4	47.6	50.3	51.4	36.1	180
190	39.8	40.6	42.6	42.5	43.6	46.5	43.9	45.4	49.1	44.5	46.3	46.1	44.4	46.5	33.1	190
200	34	34.8	36.5	36.9	37.9	40.5	38.4	39.8	43.2	39.1	40.7	43.8	39	40.9	29.2	200
210	28.8	29.4	31	31.7	32.6	34.9	33.4	34.6	37.8	34.1	35.6	39.5	34.1	35.9	23.4	210
220	24.2	24.8	26.2	27	27.9	29.9	28.9	30.1	33	29.6	31.1	34.7	29.7	31.4	17.6	220
230	20.1	20.6	21.8	22.8	23.5	25.4	24.7	25.8	28.4	25.5	26.9	30.2	25.6	27.2	11.8	230
240	16.2	16.7	17.8	18.8	19.5	21.2	20.8	21.8	24.1	21.8	23	26.1	21.9	23.4		240
250	12.7	13.2	14	15.2	15.9	17.3	17.2	18	20.1	18.2	19.4	22.2	18.4	19.8		250
260	9.6	10	10.7	12	12.6	13.8	13.9	14.7	16.5	15.1	16.1	18.7	15.3	16.6		260
270				9	9.5	10.6	10.9	11.6	13.2	12.1	13.1	15.4	12.4	13.6		270
280									10.1	9.3	10.2	12.3	9.7	10.8		280

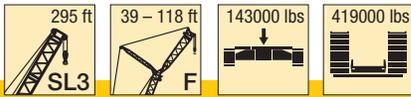
TAB 181111





ft	SL3 285															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	303															45
50	298															50
55	283	263		212												55
60	260	255	157	207	184		167									60
65	237	239	154	202	180		162	138		139			125			65
70	218	221	151	197	175		158	135		135			121			70
75	201	203	148	193	171	106	153	131		130	110		117			75
80	186	188	145	186	166	104	148	127	85	126	107		113	95.5		80
85	172	174	142	173	161	102	143	123	83	122	103		109	92.5		85
90	160	162	139	162	156	100	139	119	81.5	117	100		106	89.5		90
95	149	151	137	151	151	98.5	134	116	79.5	113	97	67.5	102	86.5		95
100	139	141	135	141	143	96.5	130	112	78	109	94	66	98	83.5	57.1	100
105	130	131	132	131	134	95	127	109	76.5	106	91	64.5	94.5	81	55.7	105
110	121	123	126	123	125	93.5	122	107	75	103	88.5	63	91.5	78	54.3	110
115	114	115	119	116	118	91.5	116	104	73.5	99.5	86.5	61.5	88.5	76	53	115
120	107	108	112	108	110	90	109	101	72.5	96.5	84	60.5	86	73.5	51.6	120
125	100	101	105	102	104	88.5	103	98	71	93.5	81.5	59.1	83	71.5	50.3	125
130	94	95	98.5	96	97.5	87.5	96.5	96	70	90.5	79	57.9	80	69.5	49	130
135	88.5	89.5	93	90.5	92	86	91	92	69	87.5	77.5	56.7	78	67.5	47.9	135
140	83	84.5	87.5	85	86.5	85	86	87.5	67.5	84	75.5	55.6	75.5	65.5	46.9	140
150	73.5	74.5	77.5	75.5	77	79.5	76.5	78.5	65.5	76.5	72	53.4	71.5	62	44.9	150
160	65	66	68.5	67	68.5	72	68	69.5	64	68	68	51.5	66.5	59	42.7	160
170	57.5	58.4	61	59.4	60.5	64	60.5	62	62	60.5	62.5	49.8	59.8	55.9	39.9	170
180	50.8	51.6	53.7	52.8	53.9	56.9	53.8	55.2	58	54	55.8	48	53.5	52.8	37	180
190	44.5	45.3	47.1	46.8	47.8	50.5	47.8	49.1	52.7	48	49.7	46.5	47.6	48.8	34.1	190
200	38.7	39.4	41.1	41.2	42.2	44.6	42.3	43.6	46.8	42.6	44.2	44.8	42.2	44.1	30.5	200
210	33.5	34.1	35.6	35.9	36.8	38.9	37.3	38.5	41.5	37.7	39.1	42.8	37.4	39.1	25.7	210
220	28.9	29.5	30.9	31.3	32.1	34	32.9	34	36.6	33.3	34.6	38.1	33	34.6	20	220
230	24.8	25.3	26.5	27	27.8	29.5	28.7	29.6	32	29.2	30.5	33.7	29	30.5	14.4	230
240	21	21.4	22.5	23.1	23.8	25.3	24.7	25.6	27.8	25.5	26.6	29.6	25.3	26.7		240
250	17.5	17.9	18.8	19.5	20.1	21.5	21.1	21.9	23.9	22	23.1	25.7	21.9	23.2		250
260	14.3	14.7	15.5	16.3	16.9	18.1	17.8	18.6	20.3	18.8	19.7	22.2	18.8	20		260
270	11.4	11.8		13.3	13.8	14.9	14.8	15.5	17.1	15.8	16.7	18.9	15.9	17		270
280	8.8	9.1		10.6	11	11.9	12	12.6	14	13	13.8	15.8	13.2	14.3		280
290							9.4	10	11.2	10.3	11.1	12.9	10.7	11.7		290
300							7	7.5	8.6	7.9	8.6	10.3	8.4	9.3		300
310												7.8				310

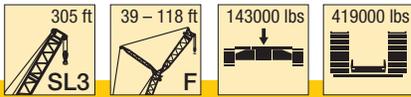
TAB 181111



ft	SL3 295															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	294															45
50	289															50
55	274	257		207												55
60	249	249	157	203	182		164									60
65	227	230	154	198	179		160	139		137			122			65
70	208	211	151	194	175		157	135		134			120			70
75	191	194	148	188	171	106	153	131		130	111		117			75
80	176	179	146	178	166	104	148	127		126	107		113	96		80
85	162	165	143	165	162	102	144	124	83	122	104		110	92.5		85
90	150	153	140	153	154	101	140	120	81.5	118	101		106	89.5		90
95	140	142	138	142	145	99	135	117	80	114	98	67.5	102	87		95
100	130	132	134	132	135	97	131	113	78.5	110	95	66	99	84	57.1	100
105	120	122	128	123	126	95.5	124	110	77	107	92.5	64.5	95	81.5	55.8	105
110	112	114	119	115	117	94	116	108	75.5	104	89.5	63	92.5	79	54.4	110
115	105	106	111	107	110	92.5	108	105	74	101	87.5	62	89.5	76.5	53.1	115
120	97.5	99	104	100	102	90.5	101	102	72.5	97.5	85	60.5	87	74.5	51.8	120
125	91	92.5	96.5	93.5	95.5	89	95	97.5	71.5	94.5	82.5	59.3	84	72.5	50.5	125
130	85	86.5	90.5	87.5	89.5	88	89	91.5	70.5	89	80.5	58.2	81.5	70	49.2	130
135	79.5	81	84.5	82	84	85	83.5	86	69	83.5	78.5	57	78.5	68	48.2	135
140	74.5	75.5	79.5	77	78.5	81.5	78.5	80.5	68	78.5	76.5	55.9	76	66	47.1	140
150	64.5	66	69.5	67.5	69	73.5	69	71	66	69	70.5	53.8	68.5	62.5	45.1	150
160	56.3	57.4	60.5	58.8	60.5	64.5	60.5	62	63.5	60.5	63	51.8	60.5	59.4	43	160
170	48.8	49.8	52.5	51.3	52.7	56.3	52.7	54.5	59	53.3	55.4	50.1	52.9	55.2	40.5	170
180	42.2	43.2	45.6	44.7	46	49.3	46.2	47.8	52.1	46.7	48.7	48.4	46.5	48.8	37.7	180
190	36.3	37.2	39.4	38.7	39.9	42.9	40.2	41.7	45.7	40.8	42.7	45.7	40.6	42.8	34.9	190
200	30.9	31.7	33.7	33.2	34.3	37.1	34.7	36.1	39.8	35.4	37.1	41.6	35.3	37.3	31.8	200
210	25.9	26.7	28.5	28.2	29.2	31.8	29.7	31	34.4	30.4	32	36.2	30.4	32.3	27.9	210
220	21.6	22.2	23.9	23.8	24.7	27.1	25.3	26.5	29.6	26	27.5	31.4	26	27.8	22.4	220
230	17.5	18.1	19.5	19.7	20.6	22.7	21.2	22.3	25.2	21.9	23.3	27	22	23.7	16.9	230
240	13.7	14.2	15.5	16	16.8	18.6	17.4	18.4	21	18.1	19.5	22.8	18.3	19.9	11.5	240
250		10.7	11.8	12.5	13.2	14.9	13.9	14.8	17.2	14.7	15.9	19	14.8	16.3	6.5	250
260		7.5	8.4	9.3	10	11.5	10.7	11.6	13.8	11.5	12.6	15.5	11.7	13.1	5.2	260
270						8.3		8.6	10.6	8.6	9.6	12.3	8.8	10.1		270
280											6.8	9.2		7.3		280

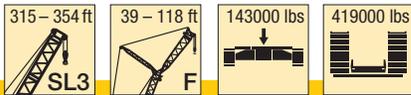
TAB 181111





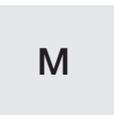
ft	SL3 305															ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	294															45
50	289															50
55	275	259								258	236					55
60	251	252	158	205	184					246	230	156	187			60
65	229	232	155	201	180		162	139		225	225	153	182	164		65
70	211	214	152	197	177		159	136		207	209	150	178	161		70
75	194	197	149	190	172	107	155	132		190	193	148	174	158	106	75
80	179	182	146	181	168	105	151	128		175	178	145	169	155	104	80
85	166	168	144	168	164	103	146	124	83.5	162	165	142	164	151	102	85
90	154	156	141	156	157	101	141	121	81.5	151	153	140	153	148	100	90
95	143	145	139	145	148	99.5	137	118	80	140	142	137	142	143	98.5	95
100	134	135	136	136	138	97.5	132	114	78.5	130	132	134	132	135	97	100
105	125	126	131	126	129	96	127	111	77	121	123	128	123	126	95	105
110	116	118	123	118	121	94.5	119	109	75.5	113	115	120	115	118	94	110
115	109	111	115	111	113	93	112	106	74.5	106	108	112	108	110	92.5	115
120	102	103	108	104	106	91.5	105	103	73	99	101	105	101	103	91	120
125	95.5	97	101	97.5	99.5	90	98.5	100	72	92.5	94	98	94.5	96.5	89.5	125
130	89.5	91	94.5	91.5	93.5	88.5	92.5	94.5	70.5	86.5	88	92	89	90.5	88.5	130
135	84	85.5	89	86	88	86.5	87	89	69.5	81.5	82.5	86.5	83.5	85	85.5	135
140	79	80	83.5	81	82.5	84.5	82	84	68.5	76	77.5	81	78.5	80	82.5	140
150	69.5	70.5	73.5	71.5	73	77	72.5	74.5	66.5	66.5	68	71	69	70.5	74.5	150
160	61	62	65	63	64.5	68	64	66	64.5	58.4	59.5	62.5	60.5	62	66	160
170	53.6	54.6	57.1	55.6	56.9	60.5	56.6	58.3	62.5	51	52	54.6	53	54.4	57.9	170
180	47.1	48	50.3	49.1	50.3	53.4	50.1	51.6	55.7	44.5	45.4	47.8	46.5	47.8	51	180
190	41.2	42.1	44.2	43.1	44.2	47.1	44.2	45.6	49.3	38.6	39.5	41.7	40.6	41.8	44.8	190
200	35.9	36.6	38.5	37.7	38.7	41.4	38.7	40.1	43.5	33.3	34.1	36.1	35.2	36.3	39	200
210	31	31.7	33.4	32.8	33.7	36.1	33.8	35	38.2	28.4	29.1	30.9	30.3	31.3	33.8	210
220	26.5	27.1	28.7	28.4	29.2	31.4	29.4	30.6	33.5	24.1	24.8	26.4	25.9	26.8	29.1	220
230	22.4	22.9	24.3	24.3	25.1	27.1	25.4	26.4	29.1	20.1	20.7	22.2	21.9	22.7	24.8	230
240	18.5	19	20.2	20.6	21.3	23.1	21.6	22.6	25.1	16.4	17	18.3	18.1	18.9	20.8	240
250	15	15.5	16.5	17.1	17.8	19.4	18.1	19	21.3	13	13.6	14.8	14.7	15.4	17.2	250
260	11.9	12.3	13.2	13.9	14.5	15.9	15	15.8	17.9	9.9	10.4	11.4	11.6	12.2	13.8	260
270	9	9.3	10.1	10.9	11.4	12.7	12.1	12.9	14.8			8.3	8.7	9.3	10.7	270
280						9.7	9.4	10.1	11.8							280

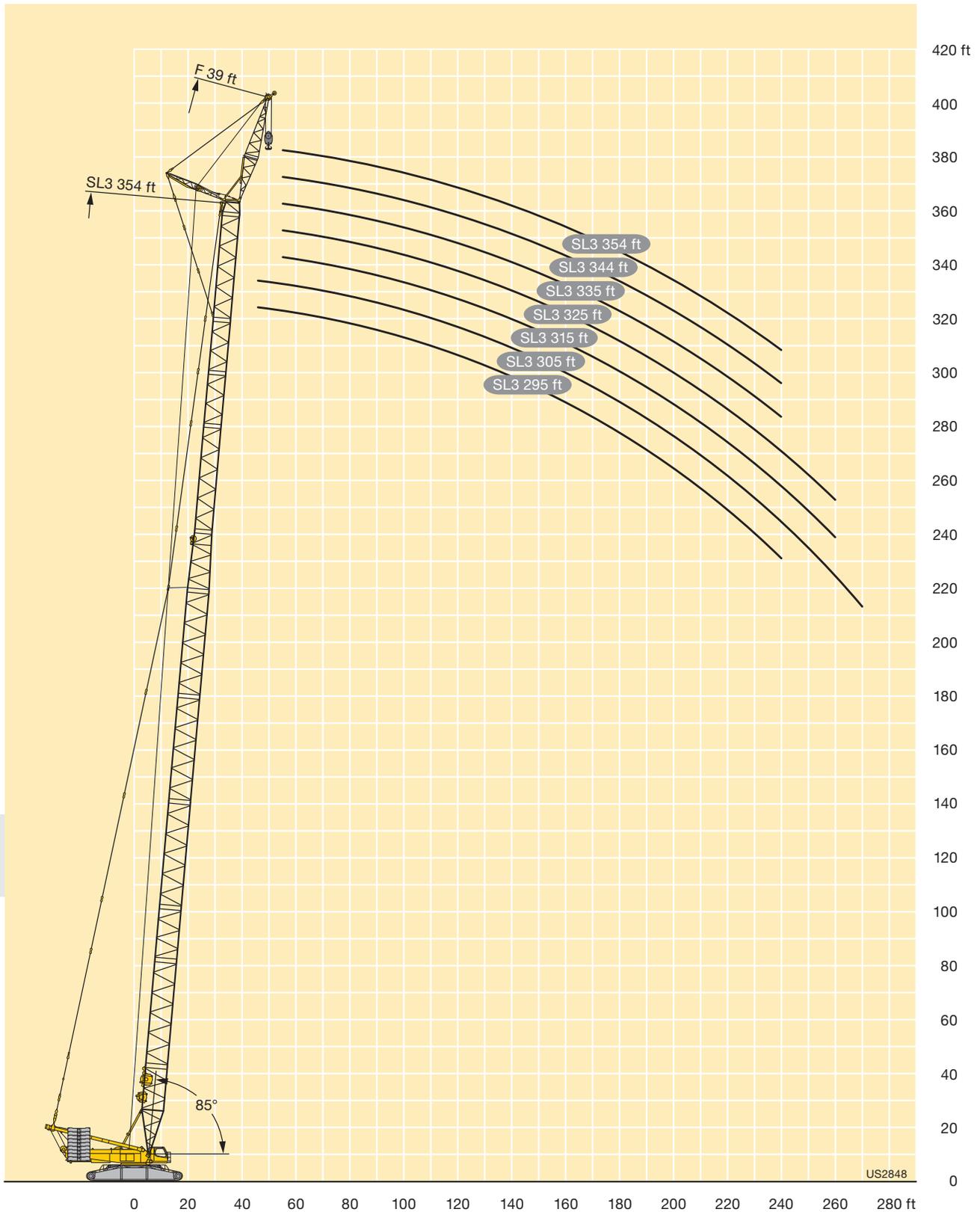
TAB 181111



ft	SL3 315						SL3 325						SL3 335			SL3 344			SL3 354			ft			
	F 39			F 59			F 39			F 59			F 39			F 39			F 39						
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°		10°	15°	30°
55	258	236					255	235					238	219		235			209						55
60	246	230	156	187			241	230	156	187			231	214		228	213		204	190					60
65	225	225	153	182	164		220	222	154	183	165		217	209	154	213	209	154	198	185	154				65
70	207	209	150	178	161		202	205	151	178	162		200	200	151	196	197	152	191	181	151				70
75	190	193	148	174	158	106	186	189	148	174	158	106	184	187	148	180	183	149	180	176	148				75
80	175	178	145	169	155	104	172	174	146	169	155	104	170	172	146	166	169	146	166	168	146				80
85	162	165	142	164	151	102	159	161	143	161	152	102	157	159	143	154	156	144	153	156	143				85
90	151	153	140	153	148	100	147	150	140	149	149	100	146	148	141	142	145	142	142	144	140				90
95	140	142	137	142	143	98.5	137	139	138	139	142	99	135	137	138	132	134	137	132	134	136				95
100	130	132	134	132	135	97	127	129	134	129	132	97	126	128	133	123	125	130	123	125	130				100
105	121	123	128	123	126	95	118	120	125	121	123	95.5	117	119	124	114	116	121	114	116	121				105
110	113	115	120	115	118	94	110	112	117	113	115	94	109	111	116	106	108	113	106	108	113				110
115	106	108	112	108	110	92.5	103	105	109	105	107	93	102	104	108	99	101	105	99	101	106				115
120	99	101	105	101	103	91	96	97.5	102	98.5	100	91.5	95	96.5	101	92	94	98.5	92.5	94	98.5				120
125	92.5	94	98	94.5	96.5	89.5	89.5	91	95.5	92	94	90	88.5	90	94.5	86	87.5	92	86	88	92				125
130	86.5	88	92	89	90.5	88.5	84	85.5	89	86	88	89	83	84.5	88.5	80	81.5	86	80.5	82	86				130
135	81.5	82.5	86.5	83.5	85	85.5	78.5	80	83.5	81	82.5	85.5	77.5	79	83	75	76.5	80.5	75.5	77	80.5				135
140	76	77.5	81	78.5	80	82.5	73.5	74.5	78.5	75.5	77.5	81	72.5	74	77.5	70	71.5	75	70.5	72	75.5				140
150	66.5	68	71	69	70.5	74.5	64	65.5	68.5	66.5	68	72.5	63.5	64.5	68	60.5	62	65.5	61.5	62.5	66				150
160	58.4	59.5	62.5	60.5	62	66	55.8	56.9	59.9	57.9	59.5	63.5	55	56.2	59.2	52.5	53.7	56.8	53.1	54.3	57.4				160
170	51	52	54.6	53	54.4	57.9	48.4	49.4	52.1	50.5	51.9	55.6	47.7	48.8	51.5	45.2	46.3	49.1	45.9	47	49.8				170
180	44.5	45.4	47.8	46.5	47.8	51	41.9	42.9	45.4	44.1	45.4	48.7	41.3	42.3	44.8	38.8	39.8	42.4	39.6	40.6	43.2				180
190	38.6	39.5	41.7	40.6	41.8	44.8	36.1	37	39.3	38.2	39.4	42.5	35.5	36.4	38.7	33	34	36.3	33.8	34.7	37.1				190
200	33.3	34.1	36.1	35.2	36.3	39	30.8	31.6	33.7	32.8	33.9	36.8	30.2	31	33.1	27.7	28.6	30.8	28.5	29.4	31.6				200
210	28.4	29.1	30.9	30.3	31.3	33.8	25.9	26.7	28.6	27.9	28.9	31.5	25.3	26.1	28	22.9	23.7	25.7	23.7	24.5	26.5				210
220	24.1	24.8	26.4	25.9	26.8	29.1	21.6	22.3	24	23.5	24.5	26.9	21	21.7	23.5	18.6	19.3	21.2	19.4	20.2	22				220
230	20.1	20.7	22.2	21.9	22.7	24.8	17.6	18.3	19.9	19.5	20.4	22.6	17	17.7	19.3	14.6	15.3	17	15.4	16.1	17.8				230
240	16.4	17	18.3	18.1	18.9	20.8	14	14.6	16	15.8	16.6	18.6	13.4	14	15.4	11	11.6	13.1	11.8	12.4	14				240
250	13	13.6	14.8	14.7	15.4	17.2	10.6	11.1	12.4	12.3	13.1	14.9		10.5	11.9										250
260	9.9	10.4	11.4	11.6	12.2	13.8	7.5	8	9.2	9.2	9.9	11.6		7.4	8.6										260
270			8.3	8.7	9.3	10.7						8.5													270

TAB 181111

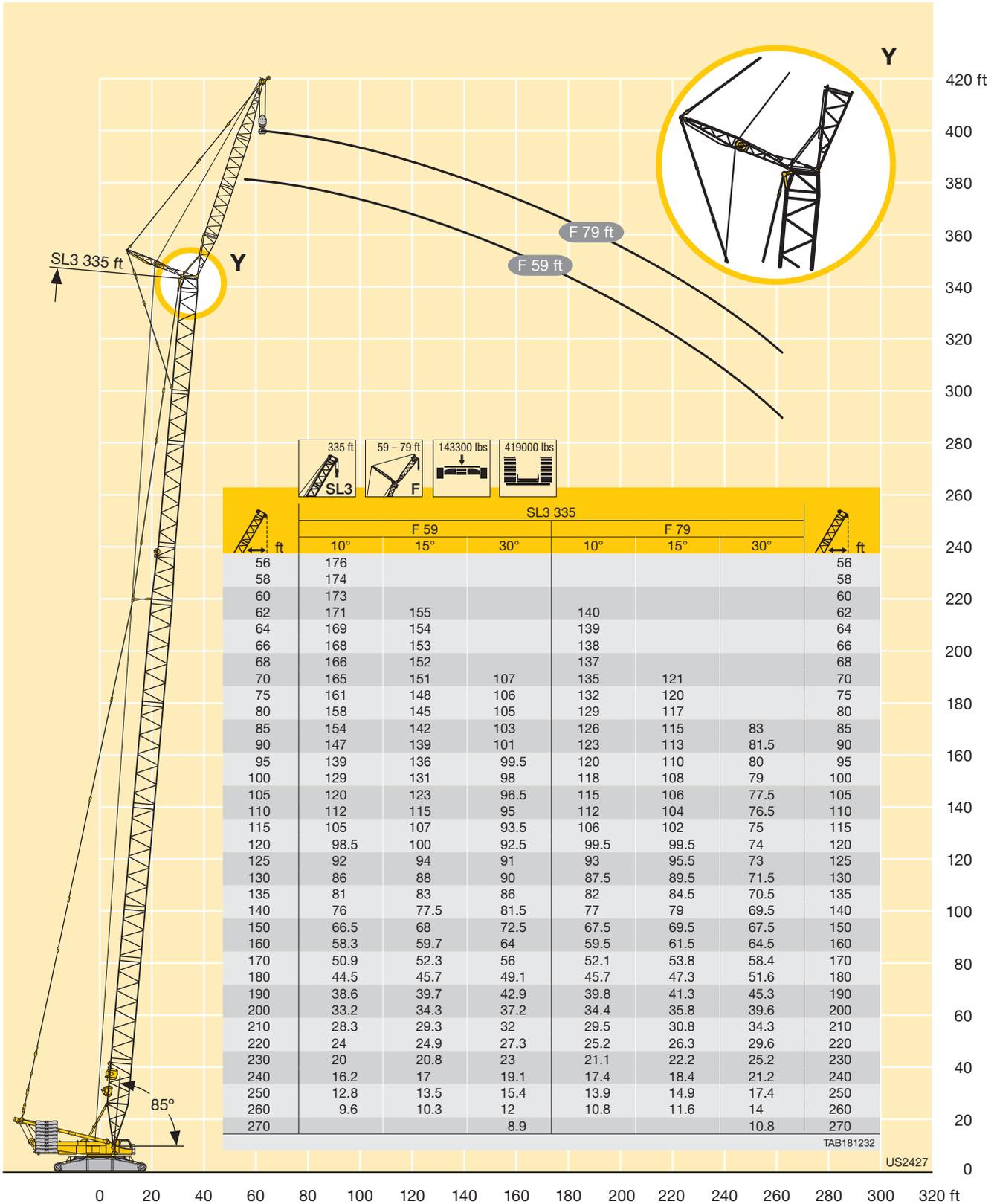




M

Lifting heights Hauteurs de levage

SL3F



M

HSL4DFB/B2/BW

HSL4 236 - 453



550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		236		256		276		295		315		335		354		374		394		413		433		453					
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°					
45	- B - B2 - BW	302 302 302		302 302 302																									
50	- B - B2 - BW	302 302 302		302 302 302																									
55	- B - B2 - BW	298 302 302 302	291 302 290 290	295 302 302 292	292 293 292 292	291 302 302 289	285 289 302 289	285 302 302 302		274 302 302 302																			
60	- B - B2 - BW	288 302 302 302	278 279 278 279	278 302 302 284	281 284 284 284	268 302 302 282	272 283 282 282	258 276 301 275	257 276 274 301	248 301 301 270	252 270 271 270	241 296 292 266	246 266 266 266	232 285 285 259	226 266 265 265														
65	- B - B2 - BW	263 302 302 302	264 267 266 267	254 302 302 273	257 273 273 273	245 302 302 275	248 275 275 275	236 302 298 298	239 271 268 268	226 298 298 298	230 266 266 266	220 262 285 260	224 264 260 260	212 256 281 256	213 266 263 239	206 263 263 239	207 240 245 228	197 244 245 245	202 228 227 228	192 223 221 208	189 208 208 198	187 193 197 198		172 173 174 174					
70	- B - B2 - BW	242 302 302 302	244 257 256 257	233 302 302 263	236 263 266 263	225 302 302 267	228 267 266 267	218 298 298 298	219 266 263 262	207 293 293 262	210 262 263 262	202 267 279 255	206 261 255 255	194 278 253 253	198 261 260 260	189 238 238 238	192 238 236 238	173 243 243 243	176 236 236 236	168 241 241 241	172 226 226 226	163 226 219 219	166 206 206 206	159 193 196 196	162 187 186 186				
75	- B - B2 - BW	223 300 300 300	225 248 247 248	215 300 300 254	217 254 253 254	207 299 299 259	210 259 258 259	199 292 282 255	202 261 254 255	191 288 288 288	193 258 259 259	185 282 273 250	189 258 249 250	178 274 250 273	182 250 250 250	173 258 235 235	176 236 235 235	168 241 241 241	172 224 224 224	163 220 217 217	166 206 204 204	159 193 195 195	162 187 186 187	154 170 171 171					
80	- B - B2 - BW	206 294 294 293	208 239 239 239	198 295 295 296	201 246 245 245	191 294 294 251	194 251 251 251	184 285 248 283	186 255 248 255	175 283 282 256	178 254 255 244	170 278 266 244	174 254 244 244	163 271 246 246	167 247 265 243	159 255 233 233	162 239 222 233	158 239 222 233											
85	- B - B2 - BW	191 284 283 284	193 231 230 230	184 288 288 289	186 237 236 236	177 288 288 288	179 243 243 243	172 278 268 266	162 248 242 242	164 279 249 249	157 249 249 249	150 272 260 260	149 243 239 239	139 267 245 242	142 253 231 233	128 245 230 233	132 237 247 243	125 249 247 243	127 242 236 236	125 236 236 236	127 236 236 236								
90	- B - B2 - BW	177 273 273 273	179 223 223 223	171 280 230 229	173 230 229 229	164 281 235 235	166 235 235 235	157 271 258 259	160 240 236 235	152 274 243 243	149 243 243 243	135 265 244 233	138 244 233 233	128 263 242 242	132 246 242 242	125 249 248 248	127 249 248 248	125 249 248 248											
95	- B - B2 - BW	165 263 262 263	167 216 216 216	159 271 223 223	161 223 223 223	153 274 228 228	155 228 228 228	146 264 232 229	148 232 236 236	139 270 237 237	141 235 238 238	125 258 248 248	138 239 230 230	128 260 252 253	132 260 233 233	125 247 243 243	127 243 242 242	125 243 242 242											
100	- B - B2 - BW	154 252 252 253	156 210 209 209	148 262 261 262	150 216 216 216	142 267 222 222	144 222 222 222	136 257 245 245	138 225 226 226	129 265 230 230	131 232 256 256	125 252 242 242	128 233 233 233	119 256 247 248	122 235 249 239	112 244 229 229	125 234 220 220												
105	- B - B2 - BW	144 243 243 243	146 203 202 202	138 253 252 253	140 210 210 210	133 259 260 260	134 216 216 216	127 250 238 238	128 226 218 218	120 259 225 225	111 226 251 251	113 242 236 236	108 242 236 236	110 252 242 242	113 242 236 236	102 243 236 236	105 242 236 236	98.8 242 236 236	101 242 236 236	98.8 242 236 236	101 242 236 236								
110	- B - B2 - BW	135 235 235 235	137 197 196 196	130 245 244 245	131 203 203 203	124 252 253 253	126 210 210 210	118 243 243 243	112 214 212 212	111 244 244 244	113 244 244 244	108 244 244 244	110 244 244 244	102 244 244 244	105 244 244 244	100 244 244 244	103 244 244 244	98.8 244 244 244	101 244 244 244	98.8 244 244 244									
115	- B - B2 - BW	127 227 227 227	128 191 191 191	122 237 237 237	123 198 198 198	116 245 245 245	118 204 204 204	110 235 226 226	112 209 207 207	104 249 238 241	105 216 216 216	100 235 226 226	103 218 218 218	94.4 241 233 233	97.3 226 217 217	91.4 226 210 210	93.4 226 210 210	88 226 210 210	91.1 226 210 210	88 226 210 210									
120	- B - B2 - BW	119 220 220 220	121 186 185 185	114 230 230 230	115 193 193 193	109 238 238 238	110 199 198 199	103 228 219 220	105 203 202 202	96.4 243 232 235	98.1 209 208 209	92.9 229 206 206	95.6 214 213 213	87.4 236 229 229	90.2 221 213 213	84.6 223 207 207	86.5 207 216 216	81.3 207 206 206	84.3 207 206 206	78.3 207 206 206	80.2 207 206 206	75.9 207 206 206	77.8 207 206 206	72.9 207 206 206	68.1 207 206 206	71.5 207 206 206	66.1 207 206 206		
125	- B - B2 - BW	112 213 212 212	113 181 180 181	107 223 223 223	108 188 188 188	102 232 231 231	103 194 194 194	96.2 222 214 214	97.7 198 196 196	89.7 238 226 230	91.3 205 203 204	86.3 224 216 216	88.9 209 202 202	80.9 232 225 225	83.7 217 210 210	78.2 225 219 219	80 217 203 203	75 217 203 203	77.9 217 203 203	72.1 217 203 203	74 217 203 203	69.8 217 203 203	71.7 217 203 203	66.9 217 203 203	71.5 217 203 203	66.1 217 203 203	71.5 217 203 203		
130	- B - B2 - BW	106 206 205 206	107 175 175 175	101 216 216 216	102 183 183 183	95.3 225 225 225	96.7 189 189 189	90 208 208 208	91.4 193 192 192	83.6 233 221 224	85.1 200 198 199	80.3 219 211 211	82.8 204 198 198	75 227 220 221	77.7 212 206 206	72.4 215 210 210	74.1 200 209 209	69.3 215 209 209	72.1 200 209 209	66.5 215 209 209	68.2 200 209 209	64.2 215 209 209	67 215 209 209	61.4 215 209 209	66 215 209 209	61.4 215 209 209	66 215 209 209		
135	- B - B2 - BW	99.4 200 200 200	100 171 171 171	94.8 209 209 209	96 178 178 178	89.6 218 218 218	90.9 184 184 184	84.4 203 203 203	85.8 188 188 188	78.1 219 219 219	79.6 188 188 188	74.9 206 206 206	77.3 194 194 194	69.6 212 212 212	72.2 208 208 208	67.2 211 211 211	68.7 206 206 206	64.1 211 206 206	66.8 206 206 206	61.3 211 206 206	63 211 206 206	59.2 211 206 206	60.9 211 206 206	56.4 211 206 206	60.9 211 206 206	56.4 211 206 206	60.9 211 206 206		
140	- B - B2 - BW	93.4 195 194 195	94.4 167 167 168	89.2 203 203 203	90.4 174 174 174	84.1 212 212 212	85.3 180 180 180	79 204 198 183	80.3 184 183 214	72.8 221 210 214	74.2 191 189 190	69.6 208 201 202	72.2 195 190 190	67 217 211 212	64.4 203 203 212	63 207 198 198	62 208 194 194	63.5 207 203 203	59 207 203 203	61.7 207 192 192	56.4 207 1								

HSL4DFB/B2/BW

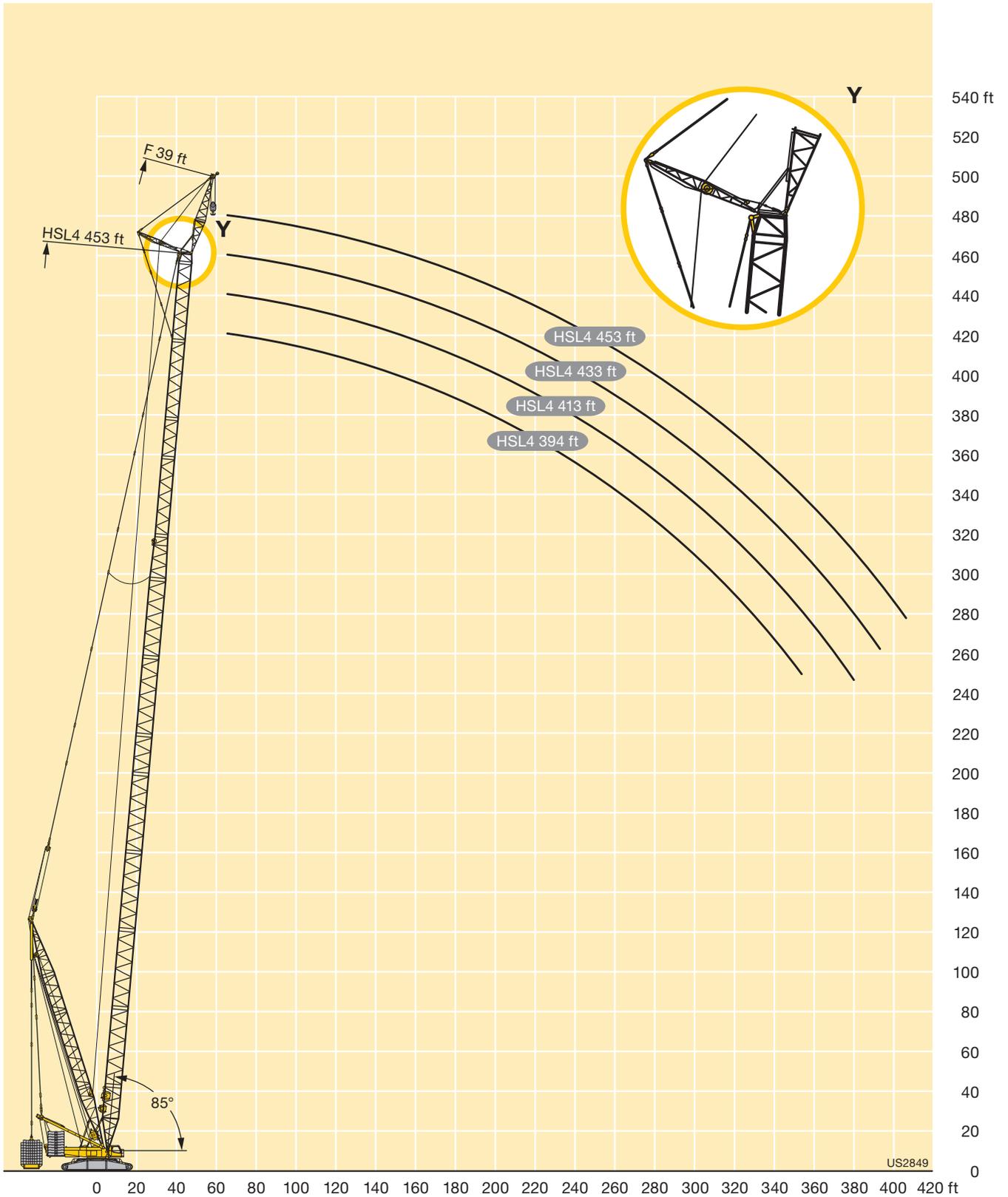
HSL4 236 - 453



550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		236		256		276		295		315		335		354		374		394		413		433		453	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	
180	- B B2 BW	57.5 159 159	58.1 142 141	54.4 167 167	55.1 147 147	50.4 175 175	51.3 152 152	45.9 169 166	46.8 156 155	40 179 178	41 161 161	37.2 170 170	39.1 164 161	32.3 179 179	34.4 172 170	30.2 176 178	31.4 172 169	27.7 176 178	29.9 168 169	25.4 161 163	26.6 156 155	23.6 152 152	24.8 149 147	21.4 135 133	
190	- B B2 BW	50.9 153 152	51.4 136 136	47.8 161 160	48.4 142 142	44.2 168 168	44.9 147 147	39.7 162 161	40.5 150 150	33.9 173 175	34.8 155 156	31.1 163 165	32.9 157 157	26.3 172 174	28.3 164 165	24.3 170 172	25.3 163 163	21.8 169 171	23.9 162 164	19.5 155 158	20.7 150 150	17.8 146 147	18.9 143 142	15.6 130 128	
200	- B B2 BW	44.9 147 146	45.4 132 131	41.8 154 153	42.3 137 137	38.5 161 161	39.1 143 142	34.1 155 156	34.8 145 145	28.3 168 169	29.1 150 150	25.6 158 159	27.3 151 152	20.8 167 169	22.7 160 160	18.8 165 167	19.8 156 158	16.4 163 166	18.4 157 159	15.0 150 152	14.4 145 145	14.1 142 142	13.8 138 138	12.6 124 124	
210	- B B2 BW	39.5 141 141	39.9 127 128	36.4 148 148	36.9 133 132	33.1 155 155	33.7 138 137	29 151 152	29.6 141 141	23.3 163 164	24 145 145	20.5 153 154	22.1 146 148	17.6 162 164	15.5 155 156	16.0 160 163	15.3 153 155	15.8 160 162	15.2 152 156	14.5 148 148	13.9 144 144	13.6 139 137	13.2 136 133	12.2 120 120	
220	- B B2 BW	34.8 136 135	35.2 124 124	31.7 143 142	32.1 129 129	28.4 149 149	28.9 134 134	24.5 148 148	25 137 136	18.7 158 158	19.4 141 142	16 148 150	17.6 143 145	13 156 159	13 151 151	15.5 148 148	14.9 144 144	15.4 154 158	14.7 149 152	14.1 144 144	13.6 139 139	13.2 138 138	12.8 130 130	11.7 116 116	
230	- B B2 BW	30.4 131 131	30.7 120 120	27.3 138 137	27.7 125 125	24 144 145	24.5 130 130	20.3 145 145	20.8 133 133	14.6 154 154	15.2 137 137	13 144 146	14 140 141	15.1 155 155	14.6 147 147	15.0 154 154	14.4 144 147	15.0 148 154	14.5 148 148	14.5 148 148	14.0 140 140	13.7 137 137	13.3 133 133	12.5 125 125	11.1 113 113
240	- B B2 BW			23.3 133 133	23.6 122 122	20 140 140	20.4 126 126	16.4 141 141	16.9 129 129			14.9 150 150	13.4 134 134	13.7 141 141	13.8 138 143	14.2 148 152	14.1 143 143	14.6 146 150	14.1 144 144	14.6 150 150	14.1 145 145	13.7 137 137	13.0 130 130	12.2 122 122	10.8 108 110
250	- B B2 BW					16.3 135 135	16.6 123 123					14.5 145 146	13.0 130 130	13.8 139 139	13.4 135 140	14.5 148 147	13.9 139 141	13.8 141 141	14.2 146 147	13.7 140 141	13.0 133 133	12.6 128 129	12.1 124 124	11.9 119 119	10.5 107 107
260	- B B2 BW					12.9 131 131	13.2 120 120					14.1 141 142	12.7 127 127	13.6 136 136	13.1 132 132	14.2 144 145	13.6 136 136	14.1 145 144	13.6 138 138	14.0 144 144	13.5 139 139	12.6 130 130	12.2 126 125	11.8 121 118	10.3 104 104
270	- B B2 BW							13.2 131 132	12.1 121 121			13.8 137 137	12.4 124 125	13.3 134 134	12.9 129 129	14.0 142 142	13.3 133 133	13.9 141 141	13.3 135 135	13.8 141 141	13.4 137 137	11.9 123 128	11.4 118 118	11.1 116 116	99.6 102 102
280	- B B2 BW										13.4 133 133	12.2 121 122	13.1 131 131	12.6 126 126	13.8 139 140	13.0 130 130	13.6 139 137	12.8 131 132	13.2 133 138	12.8 135 134	12.5 125 125	11.7 121 116	11.1 116 114	10.9 109 114	96.1 99.2 99.2
290	- B B2 BW										13.0 130 130	12.0 119 119	12.9 129 129	12.4 124 124	13.6 137 137	12.7 127 127	13.2 136 134	12.8 130 130	13.2 135 135	12.9 132 132	11.9 122 122	11.5 119 114	11.0 113 112	10.7 112 112	94.2 97.2 97.2
300	- B B2 BW										12.7 127 126	11.8 117 117	12.9 128 127	12.1 121 121	13.4 135 135	12.5 125 124	12.8 134 131	12.6 127 127	12.8 134 130	12.6 130 128	11.7 120 120	11.4 116 111	10.8 111 111	10.5 109 110	92.3 95.2 95.3
310	- B B2 BW										12.7 127 126	11.9 119 119	12.8 133 130	12.2 125 122	12.5 132 127	12.3 125 125	12.3 130 127	12.2 128 124	11.4 118 117	11.1 114 114	10.6 109 109	10.4 109 107	10.4 107 107	90.4 93.2 93.3	
320	- B B2 BW														12.2 130 125	11.9 121 120	12.0 129 123	12.0 122 121	11.8 127 120	11.7 126 120	11.0 116 113	10.8 113 111	10.4 107 106	10.1 106 105	88.5 91.3 91.3
330	- B B2 BW														11.5 126 117	11.5 120 117	11.3 124 115	11.3 124 115	10.7 114 110	10.6 111 108	10.0 105 103	98.9 104 103	86.7 89.4 88.3		
340	- B B2 BW														10.9 121 112	10.9 118 112	10.7 119 110	10.8 120 120	10.3 112 106	10.3 110 106	97.1 104 100	96.2 103 100	85.1 88.1 88		
350	- B B2 BW																		10.2 114 104	10.3 109 102	99.3 108 102	99.3 103 97.4	93.9 101 97.6	83.6 86.8 86.7	
360	- B B2 BW																		97.4 109 99.9	94.5 106 97.4	94.7 105 97.5	90.4 101 94	90.3 99.9 94.7	82.1 85.5 85.4	
370	- B B2 BW																		89.4 101 92.5	89.6 101 92.5	86.3 97.8 89.9	86.7 97.7 91	80.4 84.2 83.9		
380	- B B2 BW																		84.8 96.6 87.8	84.9 96.7 87.8	81.6 93.9 85	81.9 94.4 86	78.2 83.1 82.1		
390	- B B2 BW																							77.1 89.6 80.6	74.3 82.4 78.8
400	- B B2 BW																							70.3 80.9 75.1	

TAB 181371 / 181373 / 181377



SL10DFB/B2

SL10 335 - 413



550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		SL10 335		SL10 344		SL10 354		SL10 364		SL10 374		SL10 384		SL10 394		SL10 404		SL10 413		
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	
60	-	223	228	218	223	214	219	209		206		202								
	B	293	264	289	260	283	256	277		269		262		262						
	B2	291	262	289	260	282	256	277		269		263								
65	-	204	208	199	204	195	198	191	193	188	190	184	186	177	181	172	176	170	175	
	B	288	259	284	257	278	253	273	250	267	245	261	240	261	241	253	236	245	230	
	B2	285	258	285	256	279	253	274	249	266	244	261	240	263	241	255	236	246	230	
70	-	187	191	183	187	179	183	175	179	172	176	169	172	164	167	159	163	157	162	
	B	284	255	280	254	275	250	270	247	264	243	259	238	260	239	252	234	243	229	
	B2	277	253	279	252	275	250	271	247	264	243	259	238	261	239	254	235	245	229	
75	-	172	176	168	172	165	168	160	164	158	162	155	158	150	153	146	149	144	148	
	B	280	252	277	250	272	247	267	244	261	240	257	236	258	237	251	232	242	228	
	B2	270	247	273	248	271	247	268	245	261	240	257	236	259	237	253	233	243	228	
80	-	158	162	154	158	151	155	147	151	145	149	142	145	137	140	133	136	131	136	
	B	276	249	273	247	269	244	264	241	259	238	255	234	256	235	249	231	241	226	
	B2	263	241	267	244	267	244	265	242	259	238	255	234	257	235	251	231	242	227	
85	-	146	150	142	146	139	143	135	139	133	137	130	133	126	129	122	125	120	124	
	B	270	246	268	244	265	241	262	239	256	235	252	232	254	233	247	229	238	225	
	B2	256	235	261	240	264	241	262	239	257	236	253	232	255	234	249	230	241	226	
90	-	135	139	131	135	129	132	125	128	123	126	120	123	116	118	112	114	110	114	
	B	264	241	264	240	262	238	258	236	253	233	250	230	251	231	245	227	237	223	
	B2	249	229	255	235	258	237	259	237	254	233	251	231	253	232	248	228	240	224	
95	-	125	128	121	125	119	122	115	118	113	117	111	113	106	109	102	105	101	105	
	B	257	235	259	237	259	235	255	234	250	230	248	228	249	229	243	226	235	222	
	B2	243	224	249	230	253	233	254	233	251	231	249	229	251	230	246	227	238	223	
100	-	116	119	112	115	110	113	106	109	104	108	102	104	97.5	99.9	93.8	96.3	92.6	96.2	
	B	251	230	254	233	255	233	253	232	248	228	245	226	247	227	241	224	234	220	
	B2	237	219	243	225	247	228	250	230	248	228	247	227	249	228	244	225	237	222	
105	-	107	110	104	107	101	104	97.7	101	96.1	99.3	93.7	95.9	89.4	91.7	85.8	88.2	84.7	88.2	
	B	245	225	249	230	252	231	250	229	246	226	244	223	245	226	240	222	232	219	
	B2	231	213	237	219	241	223	245	226	245	226	245	225	248	227	243	224	236	220	
110	-	99.7	103	96.2	99.1	93.8	96.8	90.3	93.4	88.7	91.9	86.4	88.5	82.2	84.3	78.6	80.9	77.6	81	
	B	239	220	244	227	248	228	247	228	243	224	241	222	243	224	238	221	231	217	
	B2	225	209	231	214	236	219	240	223	241	223	243	223	246	225	241	223	234	219	
115	-	92.6	95.3	89.1	92	86.8	89.7	83.3	86.3	81.8	84.9	79.5	81.6	75.4	77.5	71.9	74.1	70.9	74.2	
	B	233	215	239	222	243	225	243	225	240	222	238	220	241	222	236	219	230	216	
	B2	220	204	226	210	231	214	236	219	238	221	240	221	244	224	240	222	233	218	
120	-	85.9	88.6	82.5	85.3	80.2	83	76.8	79.7	75.4	78.3	73.1	75.1	69	71	65.6	67.7	64.7	67.9	
	B	226	210	233	218	238	220	238	221	236	220	235	218	238	220	234	218	228	215	
	B2	215	200	221	205	227	210	231	215	234	218	237	219	242	222	238	220	232	217	
125	-	79.7	82.3	76.3	79	74.1	76.8	70.8	73.6	69.4	72.2	67.2	69	63.1	65	59.7	61.7	58.8	61.9	
	B	219	205	228	213	233	216	234	216	233	216	231	215	234	218	230	216	225	213	
	B2	210	195	216	201	222	206	227	211	230	214	234	216	239	219	236	219	230	216	
130	-	74	76.5	70.6	73.2	68.5	71.1	65.2	67.9	63.9	66.6	61.7	63.4	57.6	59.5	54.3	56.2	53.4	56.5	
	B	214	200	222	208	228	212	230	213	230	213	227	212	231	214	227	213	222	211	
	B2	204	191	211	197	217	202	222	208	225	211	230	213	236	216	233	216	228	215	
135	-	68.8	71.2	65.5	68	63.4	66	60.1	62.8	58.8	61.5	56.7	58.4	52.7	54.4	49.3	51.2	48.5	51.5	
	B	208	195	216	203	222	208	226	209	226	210	223	209	228	212	225	210	220	209	
	B2	199	186	206	193	213	198	218	204	221	207	226	210	232	213	231	213	226	213	
140	-	63.8	66.2	60.5	63	58.5	61	55.2	57.8	54	56.6	51.8	53.5	47.8	49.5	44.6	46.3	43.8	46.7	
	B	203	190	210	198	217	203	222	205	223	207	220	207	225	209	223	208	218	207	
	B2	194	182	201	188	208	194	213	200	217	204	223	207	229	210	228	211	224	212	
150	-	54.6	56.9	51.4	53.7	49.4	51.8	46.2	48.7	45.1	47.5	43	44.5	39	40.6	35.8	37.4	35.1	37.9	
	B	193	181	200	189	206	195	210	197	210	200	212	201	218	203	218	204	215	204	
	B2	185	174	192	181	199	186	204	192	209	197	215	200	222	203	223	205	220	208	
160	-	46.4	48.5	43.3	45.5	41.3	43.6	38.2	40.5	37.1	39.4	35	36.4	31.1	32.5	27.9	29.4	27.3	29.9	
	B	183	173	191	181	195	187	195	188	198	192	204	192	210	198	212	199	210	201	
	B2	176	167	183	173	190	179	196	185	201	190	208	194	215	197	218	200	216	205	
170	-	39.1	41.1	36	38.1	34.1	36.2	31	33.2	30	32.2	27.9	29.2	24	25.3	20.9	22.3	20.3	22.8	
	B	173	164	181	172	183	178	187	179	191	181	197	185	202	191	204	193	203	197	
	B2	168	160	175	166	182	171	188	178	193	183	200	187	208	190	211	194	212	201	
180	-	32.8	34.7	29.7	31.6	27.8	29.8	24.7	26.8	23.7	25.9	21.7	22.9	17.8	19	14.7	16	14.1	16.5	
	B	164	157	171	164	172	170	179	169	183	174	190	179	193	184	195	185	196	188	
	B2	161	153	167	159	174	164	180	171	186	176	193	181	201	184	205	188	206	194	
190	-	26.9	28.7	23.9	25.7	22	24	19	21											

SL10DFB/B2

SL10 335 - 413



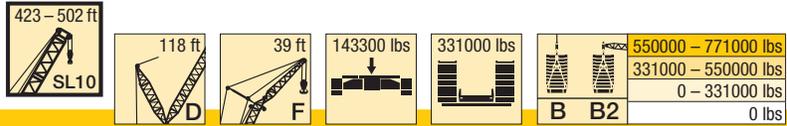
550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft	B B2	SL10 335		SL10 344		SL10 354		SL10 364		SL10 374		SL10 384		SL10 394		SL10 404		SL10 413	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
240	B B2	133 134	129 130	138 139	133 135	141 144	137 139	146 150	141 144	150 154	145 147	154 161	149 150	160 168	151 152	164 173	153 156	161 176	158 160
250	B B2	130 131	127 128	135 136	131 132	139 141	134 136	143 147	138 141	146 151	141 143	150 157	145 145	156 164	147 148	160 169	149 151	156 172	154 156
260	B B2	128 128	125 125	133 133	129 130	136 139	132 134	141 144	135 138	144 148	138 140	146 154	141 142	150 159	143 144	155 163	145 147	152 169	151 152
270	B B2	126 126	123 123	130 130	127 127	134 136	130 131	138 141	133 134	142 145	136 137	142 151	138 139	144 154	138 141	148 157	139 143	145 162	145 147
280	B B2	125 124	122 121	128 128	125 125	131 133	128 129	136 138	130 131	139 141	133 134	138 148	135 136	138 148	134 138	140 150	134 139	138 154	138 142
290	B B2	124 122	121 120	127 127	123 123	129 131	126 127	133 135	128 128	137 138	130 131	134 145	132 132	131 143	129 135	132 143	128 136	130 146	131 137
300	B B2	122 121	120 119	127 125	122 122	126 130	124 124	128 133	124 126	131 135	126 127	129 141	129 129	125 138	124 132	124 136	122 132	123 137	124 133
310	B B2	122 120	119 118	125 124	120 120	124 128	122 122	122 130	120 124	125 131	121 125	123 135	123 126	119 132	119 128	116 129	116 128	115 129	117 128
320	B B2	121 120	117 116	121 123	118 119	120 126	119 120	117 128	117 122	118 127	116 123	116 129	117 122	113 126	113 123	110 123	110 123	109 122	110 122
330	B B2			116 122	116 117	115 124	115 119	112 124	113 120	112 123	112 121	110 122	110 119	106 119	107 117	104 116	104 117	103 116	104 117
340	B B2			110 120	110 115	109 121	109 117	106 119	107 117	106 118	106 117	104 116	104 115	100 113	101 112	97.7 110	98 111	97.1 110	98.2 111
350	B B2							100 113	101 113	100 112	101 113	98.1 110	98.5 110	94.4 107	94.7 107	91.7 104	92 105	91.4 104	92.5 105
360	B B2									94.3 107	95.4 107	92.7 105	92.9 105	89.1 101	89.2 101	86.1 98.6	86.4 99	85.9 98.7	86.9 99.3
370	B B2													84.1 96	84.2 96.2	80.9 93.4	81.4 93.6	80.6 93.3	81.5 93.8
380	B B2													79.5 91.3	79.5 91.3	76.1 88.5	76.6 88.6	75.8 88.5	76.7 89
390	B B2															71.8 83.9	72 84.2	71.3 83.9	72.1 84.3

TAB 181337 / 181357

SL10DFB/B2

SL10 423 - 502



ft		SL10 423		SL10 433		SL10 443		SL10 453		SL10 463		SL10 472		SL10 482		SL10 492		SL10 502	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
		B	B2	B	B2														
65	-	165		163		158													
	B	236	223	227		218													
	B2	237	225	227		219		203											
70	-	152	151	150		146		141											
	B	235	222	225		217		202											
	B2	236	224	227		219		203											
75	-	139	144	137	141	133	136	134	137	131	134	128	131	123	118	122			
	B	233	222	224	215	216	208	201	193	193	188	184	179	176	172	166			
	B2	235	223	226	215	218	208	203	194	193	189	184	179	177	171	167			158
80	-	127	131	125	128	121	124	122	125	120	123	116	120	112	115	111	114		
	B	232	221	223	213	215	207	200	193	192	187	183	177	175	171	165	160		
	B2	234	221	225	214	217	207	202	193	192	188	184	178	177	170	166	160		157
85	-	116	120	114	117	110	113	112	115	109	112	106	109	102	105	101	104		
	B	231	220	221	212	213	206	199	191	191	186	182	176	174	169	164	159		
	B2	233	220	224	213	215	205	201	192	191	187	183	177	176	169	165	159		157
90	-	106	110	105	108	101	103	102	105	99.8	103	96.8	99.7	92.8	95.7	91.7	94.6		
	B	230	218	221	211	212	204	197	191	190	184	181	175	173	168	163	158		
	B2	232	219	223	212	214	204	199	190	190	186	182	176	175	168	164	158		156
95	-	97	101	95.7	98.4	91.7	94.4	93.4	96	91.1	93.8	88.3	91	84.3	87.1	83.3	86.1		
	B	228	217	219	210	210	203	196	190	188	183	179	173	172	167	161	156		
	B2	231	218	222	211	213	202	198	189	189	185	181	175	174	166	163	156		155
100	-	88.6	92.4	87.4	89.9	83.5	86.1	85.3	87.8	83	85.6	80.3	82.9	76.5	79.1	75.6	78.2		
	B	226	216	218	209	209	202	194	189	187	182	178	172	170	166	160	155		
	B2	230	217	221	210	211	201	197	188	188	184	180	174	172	165	161	155		155
105	-	80.8	84.4	79.7	82.1	75.8	78.3	77.7	80.1	75.6	78	72.9	75.4	69.2	71.7	68.3	70.8		
	B	224	213	216	207	207	200	192	188	186	180	177	171	169	164	158	154		
	B2	228	215	219	209	210	199	195	186	187	182	179	172	171	164	160	154		154
110	-	73.8	77.3	72.7	75	68.9	71.3	70.9	73.2	68.8	71.1	66.2	68.6	62.5	64.9	61.8	64.2		
	B	223	212	215	206	205	199	191	186	185	178	175	170	167	163	157	152		
	B2	226	213	218	208	208	197	193	184	186	181	178	171	170	163	159	153		153
115	-	67.2	70.6	66.2	68.3	62.5	64.7	64.5	66.7	62.4	64.7	59.9	62.2	56.3	58.6	55.6	57.9		
	B	222	211	213	205	204	197	189	184	183	177	174	169	166	161	155	151		
	B2	223	212	217	206	206	195	192	183	185	180	177	170	168	161	157	151		152
120	-	61	64.3	60	62.1	56.4	58.6	58.5	60.6	56.5	58.6	54	56.2	50.5	52.7	49.9	52		
	B	220	210	211	205	203	195	187	183	181	176	173	167	164	160	154	149		
	B2	221	210	216	205	204	194	190	181	184	178	175	168	167	160	156	150		151
125	-	55.2	58.4	54.3	56.3	50.7	52.8	52.9	54.9	50.9	52.9	48.5	50.6	45	47.1	44.5	46.5		
	B	218	209	210	204	201	193	186	181	180	174	171	166	163	158	153	148		
	B2	219	208	214	204	202	192	188	180	184	177	174	167	165	158	154	148		150
130	-	49.9	53	49	50.9	45.5	47.5	47.7	49.6	45.7	47.7	43.4	45.4	39.9	42	39.4	41.5		
	B	214	207	207	202	199	191	184	179	179	173	170	165	162	157	152	147		
	B2	217	206	213	202	200	190	186	178	183	176	173	166	164	157	153	147		148
135	-	45	48.1	44.2	46	40.7	42.6	43	44.8	41	42.9	38.8	40.7	35.3	37.3	34.9	36.8		
	B	209	203	205	199	195	188	181	177	178	171	168	163	160	156	150	145		
	B2	215	204	211	201	198	188	185	176	181	174	171	164	162	156	151	145		147
140	-	40.3	43.3	39.5	41.3	36	37.9	38.4	40.1	36.5	38.3	34.2	36.1	30.8	32.7	30.4	32.3		
	B	207	199	203	194	192	185	179	175	176	170	166	162	159	154	149	144		
	B2	212	202	209	199	196	186	183	174	180	173	169	163	161	154	150	144		146
150	-	31.7	34.5	30.9	32.6	27.5	29.2	29.9	31.6	28.1	29.8	25.9	27.6	22.6	24.3	22.3	24		
	B	202	193	200	190	187	178	176	170	173	166	163	158	155	150	145	141		
	B2	207	197	205	195	192	182	179	171	177	170	166	160	158	151	147	141		143
160	-	23.9	26.6	23.2	24.8	19.9	21.5	22.3	23.9	20.5	22.1	18.4	20						
	B	197	189	196	186	183	175	172	165	170	164	160	154	151	146	142	138		
	B2	202	192	201	191	188	178	175	167	174	167	163	157	154	148	144	138		141
170	-	17	19.6	16.3	17.7	13	14.5	15.6	17	13.8	15.2	11.7	13.2						
	B	192	184	192	182	179	171	168	161	167	161	157	151	148	143	139	135		
	B2	196	188	197	187	183	174	172	164	171	164	160	154	151	145	140	135		138
180	-		13.3																
	B	183	177	184	176	172	165	163	157	162	157	153	148	145	139	135	132		
	B2	191	183	192	183	179	170	168	160	168	161	157	151	148	142	137	132		135
190	-	178	171	179	171	167	159	157	152	158	152	149	144	141	136	131	126		
	B	185	178	187	178	174	165	164	156	164	158	154	148	144	139	134	129		132
200	-	173	166	174	166	163	155	153	147	154	148	144	139	137	132	128	123		
	B2	180	173	182	174	169	161	159	152	160	154	150	144	141	135	131	126		130
210	-	168	161	170	162	158	151	149	143	150	145	141	136	133	128	124	121		
	B2	174	168	177	169	164	157	155	148	157	150	146	141	137	132	128	123		127
220	-	160	156	162	158	154	147	145	139	147	141	138	133	130	125	121	118		
	B2	170	163	172	165	159	152	151	144	153	147	143	137	134	129	124	120		124
230	-	156	151	157	151	147	141	140	135	142	138	134	129	126	122	117	115		
	B2	166	159	169	161	155	148	146	141	149	143	139	134	131	126	121	117		121
240	-	152	148	152	147	143	138	135	130	137	133	130	126	123	118	114	111		
	B2	162	156	165	158	152	144	143	137	146	140	136	131	127	122	118	114		118

TAB 181337 / 181357

SL10DFB/B2

SL10 423 - 502

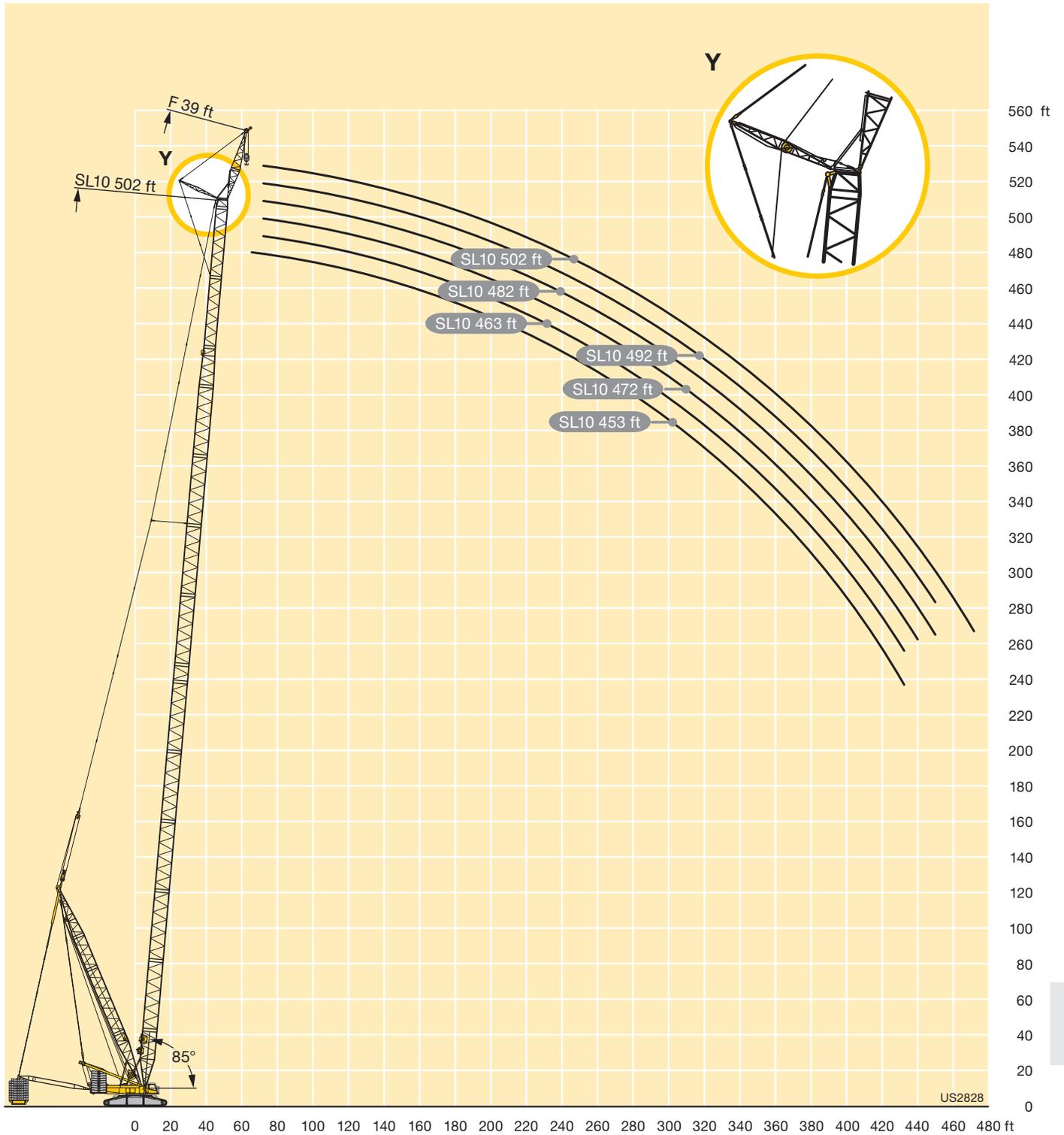


550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft	B B2	SL10 423		SL10 433		SL10 443		SL10 453		SL10 463		SL10 472		SL10 482		SL10 492		SL10 502		
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	
		250	B B2	149 159	145 153	147 162	143 155	139 149	135 143	133 141	128 135	132 144	129 138	125 133	121 127	118 124	114 120	111 115	108 111	115
260	B B2	146 155	143 150	142 159	139 152	135 146	132 140	130 138	126 132	128 141	126 135	122 131	119 126	115 122	112 118	108 113	105 109	113	110	
270	B B2	141 150	139 146	137 155	136 149	131 143	130 137	127 135	124 130	124 138	122 133	118 128	116 123	112 120	110 116	106 110	103 107	111	108	
280	B B2	134 145	134 141	131 149	131 145	127 139	126 134	124 132	121 127	120 135	119 131	115 126	114 121	109 117	108 113	104 108	101 105	109	107	
290	B B2	127 138	127 136	124 142	125 138	121 133	121 129	120 128	119 124	116 132	115 128	112 123	111 119	106 115	106 111	101 106	99.1 103	107	105	
300	B B2	120 132	121 131	118 134	118 132	115 127	115 124	115 124	113 120	111 127	111 124	107 119	108 116	103 112	104 109	99.1 104	97.2 101	104	103	
310	B B2	113 126	114 125	112 127	112 125	108 121	109 119	109 119	108 117	106 121	106 119	103 115	103 112	99 108	99.8 106	96 101	94.8 98.2	102	101	
320	B B2	106 119	107 120	105 120	106 119	102 115	103 114	104 115	103 113	100 116	101 114	97.8 110	98.2 108	94.2 104	95.2 103	92.3 98.5	91.4 95.9	99.1	98.2	
330	B B2	99.7 113	101 114	98.8 112	99.5 113	96 109	96.4 109	98.4 110	98.2 109	95.3 110	95.6 109	92.9 106	93.4 104	89.4 100	90.4 99	88 95.6	87.4 93.5	95.4	94.9	
340	B B2	94.2 108	95.7 109	93.3 107	93.8 107	90.1 104	90.3 104	93 106	93.1 106	90.2 105	90.5 104	88 101	88.6 100	84.7 96.3	85.6 95.5	83.7 92.7	83.3 91.1	91.6	91.4	
350	B B2	88.7 102	90.1 103	87.9 101	88.4 101	84.9 98.3	85.2 98.5	87.9 101	88.1 101	85.2 99	85.4 99	83.2 96.9	83.7 96.4	79.9 92.3	80.8 91.9	79.5 89.9	79.3 88.7	87.9	88	
360	B B2	83.2 96.3	84.6 97.4	82.6 95.6	83 95.8	79.7 93	80.1 93.2	82.8 95.7	83.1 96.2	80.3 93.8	80.5 94	78.4 92.1	78.9 92.1	75.2 88.2	76 88.3	75.2 87	75.2 86.3	84.2	84.6	
370	B B2	77.8 90.7	79.2 91.9	77.3 90.1	77.6 90.3	74.5 87.7	75 87.9	77.8 90.5	78.2 91.1	75.5 88.7	75.8 88.9	73.7 87.2	74.3 87.5	70.6 83.9	71.3 84.4	70.9 83.8	71.2 83.6	80.4	81.2	
380	B B2	73 85.6	74.1 86.8	72 84.6	72.2 84.9	69.3 82.4	70 82.6	72.8 85.4	73.2 86	70.6 83.6	71 83.8	69.1 82.2	69.6 82.6	66.1 79.1	66.8 79.7	66.7 79.9	67 80.2	76.5	77.8	
390	B B2	68.5 80.8	69.3 82	67.4 79.8	67.7 80.1	64.6 77.3	65.2 77.6	67.7 80.3	68.3 80.9	65.8 78.5	66.3 78.7	64.5 77.2	65 77.7	61.6 74.3	62.3 74.9	62.4 75.3	62.7 75.6	72.1	73.4	
400	B B2	64.3 76.2	65 77.3	63.1 75.2	63.4 75.6	60.3 72.6	60.6 72.8	63.3 75.5	63.8 76.1	61.1 73.6	61.6 73.7	59.8 72.2	60.4 72.8	57.1 69.6	57.8 70.1	58.1 70.7	58.4 71	67.7	68.9	
410	B B2			59 70.8	59.2 71.3	56.3 68.1	56.4 68.2	59.3 71.1	59.5 71.6	56.8 68.9	57.2 69	55.4 67.4	55.9 68	52.6 64.8	53.3 65.4	53.8 66.1	54.1 66.4	63.2	64.4	
420	B B2							55.4 66.8	55.5 67.2	53 64.7	53.1 64.9	51.4 63.1	51.7 63.5	48.3 60.2	48.8 60.6	49.5 61.4	49.8 61.8	58.8	60	
430	B B2							51.7 63	51.7 63.3	49.3 60.8	49.3 60.9	47.6 59	47.8 59.3	44.7 56.4	44.9 56.7	45.5 57.2	45.8 57.5	54.3	55.5	
440	B B2											45.6 57	44 55.3	44.1 55.4	41.1 52.7	41.2 52.8	41.8 53.3	42 53.6	50.3	51.4
450	B B2													37.6 49	37.6 49	38.2 49.5	38.4 49.9	46.6	47.5	
460	B B2																35 46.2	43	43.7	
470	B B2																31.6 42.5	39.4	40.3	

TAB 181337 / 181357

O



SL13DFB/B2

SL13 335 - 423



550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft	B B2	SL13 335		SL13 344		SL13 354		SL13 364		SL13 374		SL13 384		SL13 394		SL13 404		SL13 413		SL13 423	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
55	-	256																			
	B2	303																			
60	-	239	242	234	238	230	235	225	230	223		218		212		207					
	B	302	267	299	266	293	264	288	260	267	254	267		267		267			255		
	B2	300	266	298	266	292	262	287		267		267		267		267					
65	-	217	221	213	217	209	214	205	209	203	204	198	200	193	194	188	190	184	187	179	183
	B	297	263	294	263	289	259	285	257	267	252	267	248	267	249	266	244	255	237	247	231
	B2	294	262	293	263	288	259	284	256	267	251	267	248	267	248	266	244	257	237	248	231
70	-	199	202	195	199	191	196	187	191	186	189	181	185	176	180	172	175	170	173	165	169
	B	292	259	289	260	284	256	280	254	267	249	267	246	267	247	264	242	254	236	245	230
	B2	286	256	287	259	284	256	281	253	267	249	267	245	267	247	265	242	256	236	247	230
75	-	183	186	178	182	175	179	171	175	170	173	166	169	161	164	156	160	155	158	150	154
	B	287	255	285	256	280	253	277	251	267	246	266	243	267	245	262	240	252	234	244	229
	B2	278	250	280	254	280	253	277	251	267	247	266	243	267	244	263	240	254	235	246	229
80	-	168	171	164	168	161	165	157	161	156	159	152	155	147	150	143	146	141	144	137	140
	B	282	252	281	253	276	250	273	248	267	244	265	241	266	242	260	238	251	232	243	227
	B2	269	244	274	250	276	250	274	248	267	244	266	241	266	242	261	238	253	233	245	227
85	-	154	157	151	154	148	152	144	148	143	146	139	142	134	137	130	134	129	132	125	128
	B	275	248	276	249	273	247	269	245	267	242	262	239	263	240	258	237	249	231	241	226
	B2	262	237	268	245	271	247	271	245	267	241	263	239	265	240	259	236	251	231	243	226
90	-	143	145	139	142	136	140	133	136	132	134	128	131	123	126	120	122	118	121	114	117
	B	269	243	272	245	269	243	266	242	263	239	258	236	261	238	256	235	248	229	240	224
	B2	255	231	261	239	265	243	266	242	264	239	261	237	262	238	257	235	249	230	242	225
95	-	132	134	128	132	126	129	122	126	121	124	118	120	113	116	109	112	108	111	104	107
	B	263	238	267	241	266	240	263	240	261	236	256	233	258	236	253	232	245	227	238	223
	B2	248	225	254	234	259	238	261	238	261	237	259	235	260	236	255	233	248	228	241	224
100	-	122	124	118	122	116	119	112	116	112	114	108	111	104	106	100	103	99	102	95.2	97.9
	B	256	233	262	238	262	238	260	237	258	234	254	231	256	233	251	230	242	226	235	221
	B2	241	219	248	228	253	233	257	235	257	234	256	233	258	234	253	232	246	227	239	223
105	-	113	115	109	113	107	110	104	107	103	105	99.8	102	95.1	97.5	91.6	94.1	90.5	93	86.8	89.3
	B	249	228	257	234	259	235	257	235	255	232	252	229	254	232	249	229	242	224	234	219
	B2	234	214	241	222	247	228	251	231	254	232	254	231	256	233	252	230	245	225	237	221
110	-	105	107	101	104	99	102	95.6	98.8	95.3	97.4	91.9	94.1	87.3	89.6	83.9	86.2	82.9	85.3	79.2	81.6
	B	243	223	251	230	254	233	254	233	252	230	249	228	252	230	247	228	240	223	232	218
	B2	228	209	236	217	241	223	247	228	250	229	252	229	254	231	250	229	243	224	235	219
115	-	97.1	99	93.7	96.7	91.5	94.5	88.2	91.3	87.9	89.9	84.6	86.7	80	82.2	76.7	78.9	75.8	78	72.2	74.4
	B	237	217	244	226	249	228	250	229	249	227	246	226	250	228	245	226	239	221	231	217
	B2	223	205	231	213	236	218	242	223	246	226	248	227	252	230	249	228	242	223	232	218
120	-	90	91.8	86.7	89.6	84.6	87.5	81.3	84.3	81	83	77.8	79.8	73.3	75.3	69.9	72.1	69.1	71.2	65.5	67.7
	B	231	212	238	221	243	224	245	225	244	224	242	223	246	225	242	224	237	220	230	216
	B2	218	200	225	208	231	214	237	219	241	223	244	224	249	227	246	226	240	222	230	216
125	-	83.4	85.1	80.1	82.9	78.1	80.9	74.8	77.7	74.6	76.5	71.4	73.3	66.9	68.9	63.6	65.7	62.8	64.9	59.3	61.5
	B	225	207	232	216	238	219	240	220	240	220	237	219	241	222	238	222	233	218	228	215
	B2	212	196	220	204	225	210	232	215	237	219	240	220	245	224	243	223	238	221	227	214
130	-	77.3	79	74.1	76.8	72.1	74.8	68.9	71.7	68.8	70.5	65.6	67.4	61.1	63	57.9	59.8	57.1	59.1	53.7	55.7
	B	218	202	226	210	232	214	236	216	236	216	233	216	238	219	234	218	230	215	222	212
	B2	207	191	215	200	220	205	227	211	232	215	236	217	242	220	241	220	236	218	225	211
135	-	71.9	73.5	68.7	71.3	66.7	69.4	63.5	66.3	63.4	65.1	60.3	62.1	55.8	57.7	52.6	54.5	51.9	53.8	48.5	50.5
	B	211	197	220	205	227	209	231	211	232	212	229	213	234	215	231	215	227	213	217	207
	B2	202	187	209	195	215	201	222	207	228	211	232	213	238	217	238	217	234	216	222	209
140	-	66.6	68.1	63.5	66	61.5	64.1	58.3	61	58.3	59.9	55.2	56.9	50.7	52.5	47.6	49.4	46.9	48.7	43.5	45.4
	B	205	192	214	200	221	205	227	207	229	208	225	210	231	212	230	212	226	210	214	203
	B2	197	183	204	191	210	197	218	203	223	207	228	209	235	213	236	214	232	213	219	206
150	-	57	58.3	53.9	56.3	52	54.4	48.9	51.4	48.9	50.4	45.8	47.4	41.4	43	38.3	40	37.7	39.3	34.4	36.1
	B	194	182	203	191	209	196	216	198	218	200	217	204	224	205	225	206	222	206	209	198
	B2	187	174	195	183	200	189	208	195	214	199	220	202	228	206	230	208	228	208	214	201
160	-	48.4	49.6	45.3	47.6	43.5	45.8	40.4	42.8	40.4	41.8	37.5	38.9	33	34.5	30	31.5	29.4	31	26.1	27.8
	B	185	174	194	183	198	187	203	188	204	191	209	196	216	199	218	200	217	202	203	193
	B2	178	167	185	175	191	181	199	187	206	191	211	195	220	199	224	201	224	203	208	196
170	-	40.8	41.9	37.7	39.9	35.9	38.1	32.9	35.1	33	34.2	30	31.3	25.6	27	22.5	24	22	23.5	18.8	20.3
	B	175	165	184	174	186	180	190	179	196	184	201	187	206	192	208	193	209	196	197	187
	B2	169	159	176	167	182	173	190	180	197	185	203	188	212	191	216	194	218	197	201	190
180	-	34.1	35.1	31.1	33.1	29.3	31.4	26.3	28.4	26.4	27.5	23.5	24.7	19	20.4	16	17.4	15.6	16.9		13.8
	B	166	158	174	166	175	172	182	172	188	177	194	181	197	185	200	187	200	189	188	179
	B2	163	153	169	161	175	166	182	172	189	178	195	181	204	184	209	187	211	191	195	185
190	-	28	29	25	26.9	23.3	25.2	20.3	22.3	20.4	21.5	17.5	18.6								

SL13DFB/B2

SL13 335 - 423



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft	B B2	SL13 335		SL13 344		SL13 354		SL13 364		SL13 374		SL13 384		SL13 394		SL13 404		SL13 413		SL13 423	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
230	B B2	137 139	132 133	143 145	137 139	148 150	143 144	152 156	147 149	158 162	150 151	161 168	153 154	167 175	156 157	169 181	159 159	169 184	161 163	159 169	152 160
240	B B2	135 135	129 130	139 141	134 136	143 146	138 141	147 152	142 145	153 158	146 147	157 163	149 150	163 170	152 152	165 176	154 154	163 180	157 158	155 165	149 157
250	B B2	132 132	127 127	137 137	132 133	141 143	136 138	145 148	139 142	149 154	142 144	153 160	145 146	159 165	147 148	160 170	150 150	158 175	153 153	151 161	146 153
260	B B2	129 129	125 125	134 134	130 130	138 139	134 135	143 145	136 138	146 151	139 140	148 156	142 143	153 160	143 145	154 163	145 147	153 167	149 149	147 156	144 149
270	B B2	128 127	123 123	131 132	128 128	136 137	132 132	140 142	134 135	143 148	136 137	143 153	138 139	146 155	138 141	147 156	139 143	145 159	143 145	141 150	140 144
280	B B2	127 125	121 121	130 130	126 126	133 134	129 130	138 139	131 132	140 144	134 134	138 149	135 136	138 150	133 138	139 149	133 140	138 151	136 141	135 144	134 139
290	B B2	125 123	120 120	129 128	124 124	130 132	126 127	134 137	128 129	137 141	131 131	133 144	132 133	131 145	128 134	130 142	127 137	130 143	129 137	127 137	127 135
300	B B2	124 122	119 119	128 126	122 122	126 130	124 125	128 135	124 127	131 137	126 128	128 139	128 130	124 138	123 130	122 135	121 133	122 135	122 133	120 131	119 130
310	B B2	124 120	117 117	125 125	120 120	123 129	122 122	122 132	120 124	124 134	121 125	122 133	122 127	117 131	117 125	115 128	115 127	115 128	115 128	112 125	112 125
320	B B2	121	116	121	118	119 127	119 120	116 128	116 122	118 129	116 123	115 127	116 125	111 124	112 121	108 122	108 121	108 121	108 121	105 118	105 119
330	B B2			115	115	113	114	111 123	111 119	111 123	111 120	109 121	109 121	105 117	105 116	102 115	102 114	102 115	102 115	98.5 112	98.7 113
340	B B2			109	110	107	108	105 117	106 116	105 117	105 117	103 115	103 115	98.6 111	99.2 111	96.1 108	96.3 108	95.8 108	96.2 109	92.9 106	93.2 106
350	B B2							99.7	100	99.5	99.8	97.1 109	97.3 109	92.8 105	93.3 105	90 102	90.3 103	90 102	90.4 103	87.4 99.7	87.7 100
360	B B2									94.3	94.6	91.8	92	87.4	87.8 99.6	84.4 96.8	84.7 97.3	84.3 96.6	84.8 97	81.8 94.1	82.1 94.3
370	B B2													82.5	82.7	79.3	79.6	79 91.3	79.4 91.8	76.5 89	76.8 89.2
380	B B2													77.7	77.8	74.6	74.8	74.2 86.5	74.6 87	71.4 84	71.8 84.3
390	B B2														70.1	70.4	69.7	70.1	66.8	67.2	
400	B B2																			62.6	63

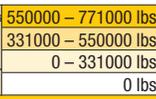
TAB 181508 / 181596



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

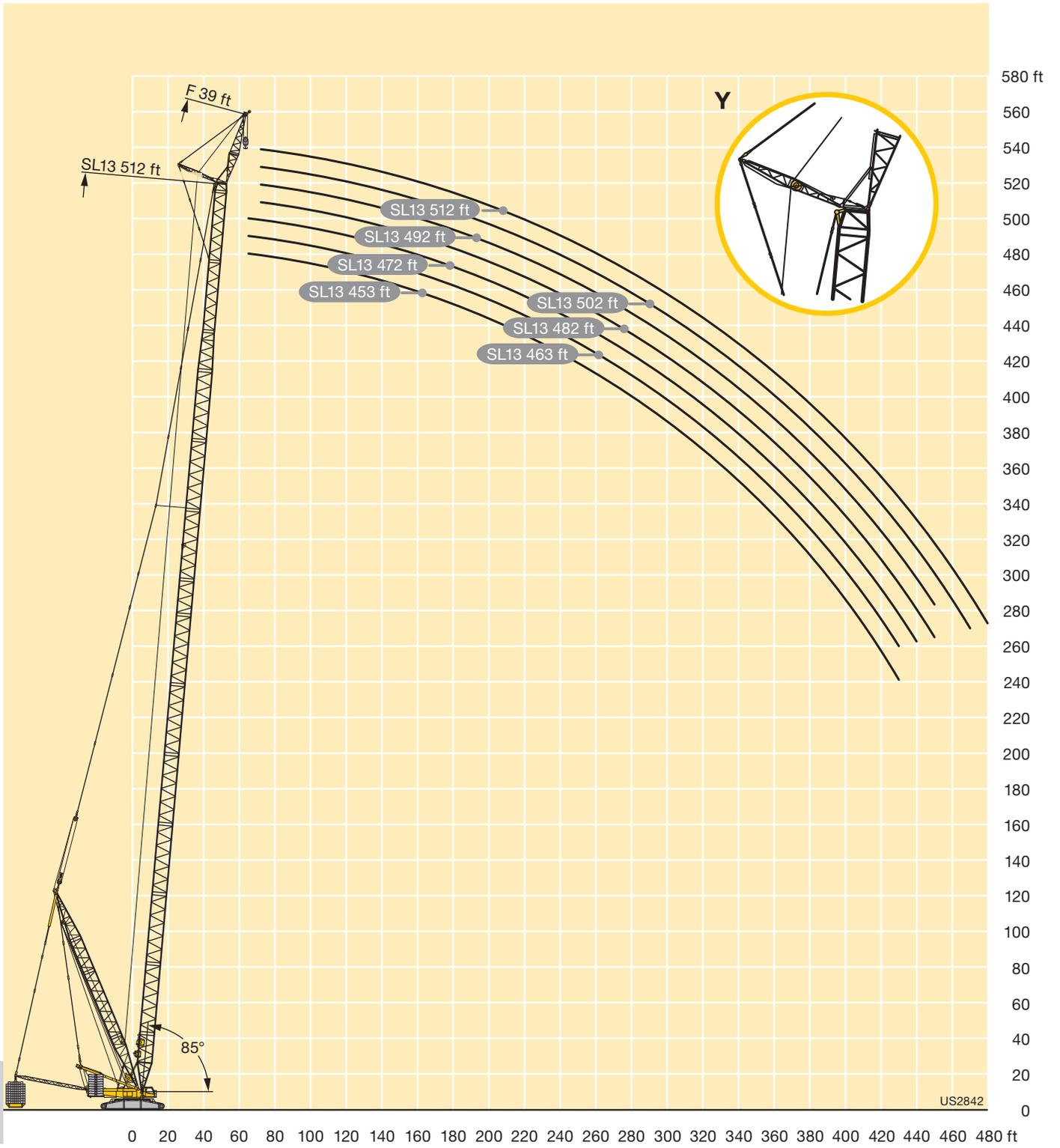
ft		SL13 433		SL13 443		SL13 453		SL13 463		SL13 472		SL13 482		SL13 492		SL13 502*		SL13 512*		
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	
65	-	177	181	172		173		168		165										
	B B2	230 230	225 225	228 229	217	212 213		204		195										
70	-	163	167	158	155	159		155		152										
	B B2	230 230	224 224	227 229	216	211 212		204		194										
75	-	148	152	144	148	145	149	141	145	138	143	135	139	133	137	130	128	126	112	
	B B2	230 230	223 223	226 228	216 216	210 211	201 201	202 203	194 195	187 187	185 186	179 178	174 174	168 166	166 166	161 161	157 158	152		
80	-	135	139	131	134	132	136	129	132	125	130	123	126	121	125	118	121	114	118	
	B B2	230 230	221 222	224 227	215 215	209 210	200 200	201 202	194 194	191 193	186 185	178 177	172 173	166 166	165 165	160 161	156 157	152		
85	-	123	127	119	123	121	124	117	120	114	119	111	115	110	113	107	110	104	107	
	B B2	230 230	221 221	223 225	214 214	207 209	199 199	192 201	184 193	182 184	177 176	171 172	165 165	164 165	159 159	156 157	150			
90	-	113	116	109	112	110	113	107	110	104	108	101	105	100	103	96.9	100	93.9	97	
	B B2	230 230	219 220	221 224	213 212	206 208	198 198	191 200	188 192	183 183	181 182	175 174	169 171	164 163	162 164	158 158	154 155	150		
95	-	103	106	99.2	102	101	104	97.5	100	94.7	98.9	92.2	95.1	91.2	94.1	87.8	90.8	85	87.9	
	B B2	229 230	218 219	220 222	212 210	204 206	197 196	197 199	190 191	186 189	182 181	179 173	173 173	168 169	162 162	161 157	156 155	148		
100	-	94.1	96.8	90.3	93	92.1	94.8	88.7	91.4	86	90.1	83.6	86.4	82.8	85.5	79.4	82.3	76.7	79.5	
	B B2	227 230	216 218	218 220	210 209	202 205	196 195	188 198	185 189	181 187	178 180	172 171	166 168	161 161	160 162	155 156	152 153	147		
105	-	85.7	88.3	82	84.6	84	86.5	80.6	83.2	78	82	75.7	78.3	74.9	77.6	71.7	74.3	69	71.7	
	B B2	225 229	214 217	216 218	208 207	200 203	195 193	186 188	183 186	179 179	176 170	165 166	160 159	159 151	154 154	150 148	146			
110	-	78.2	80.7	74.6	77.1	76.6	79	73.3	75.8	70.8	74.6	68.5	71.1	67.8	70.3	64.6	67.2	62	64.6	
	B B2	223 227	214 216	215 216	206 204	198 201	193 191	182 186	184 184	182 177	177 176	174 168	164 165	158 158	157 159	152 153	149	145		
115	-	71.2	73.5	67.6	70	69.7	72	66.5	68.8	64	67.7	61.8	64.3	61.2	63.6	58	60.5	55.5	58	
	B B2	222 226	213 214	213 214	204 202	197 199	191 189	183 185	180 183	176 176	167 175	167 167	162 163	156 156	156 158	151 152	148	144		
120	-	64.7	66.9	61.1	63.4	63.3	65.5	60.1	62.3	57.7	61.3	55.5	57.9	55	57.3	51.8	54.2	49.4	51.7	
	B B2	221 225	212 213	211 212	202 200	196 197	190 188	189 182	182 183	178 181	175 174	165 165	161 161	155 155	154 157	150 151	146	141		
125	-	58.5	60.7	55	57.2	57.3	59.4	54.1	56.2	51.8	55.3	49.6	51.9	49.2	51.4	46	48.3	43.6	45.9	
	B B2	219 223	211 211	210 210	200 198	195 196	188 186	188 191	182 182	177 179	173 173	164 164	159 160	153 153	153 155	148 149	145	141		
130	-	52.9	54.9	49.4	51.5	51.7	53.8	48.6	50.6	46.3	49.7	44.2	46.3	43.8	45.9	40.7	42.9	38.3	40.5	
	B B2	215 221	210 210	207 207	198 196	193 193	186 184	185 189	180 180	175 178	172 171	169 170	163 162	158 158	152 152	147 148	144	139		
135	-	47.7	49.7	44.3	46.3	46.7	48.6	43.6	45.5	41.3	44.7	39.3	41.3	38.9	40.9	35.8	37.9	33.5	35.6	
	B B2	213 219	206 208	203 205	195 194	190 191	183 182	183 179	178 176	173 169	167 168	161 160	156 156	150 150	146 147	142	138			
140	-	42.8	44.7	39.4	41.3	41.8	43.7	38.7	40.6	36.5	39.8	34.5	36.5	34.2	36.1	31.1	33.2	28.8	30.9	
	B B2	211 217	201 206	198 203	190 192	186 189	180 180	181 186	176 177	171 174	167 168	164 166	158 159	153 155	149 148	145	141	137		
150	-	33.7	35.4	30.4	32.2	32.8	34.6	29.8	31.6	27.7	30.8	25.7	27.5	25.5	27.3	22.5	24.3	20.2	22.1	
	B B2	207 213	197 201	193 198	184 187	182 185	174 176	178 182	170 174	167 171	162 165	160 155	154 155	149 151	145 145	146 148	141	138	132	
160	-	25.5	27.1	22.3	23.9	24.8	26.4	21.8	23.4	19.7	22.7		19.5		19.3					
	B B2	203 208	192 197	189 193	180 183	178 181	169 172	174 179	167 170	164 167	158 161	156 159	150 152	146 148	142 141	142 145	138 139	134 136	129 131	
170	-	18.2	19.7	15	16.5	17.6	19.1	14.6	16.2	12.6	15.4		12.3		12.2					
	B B2	198 203	188 192	184 188	175 178	174 177	165 168	171 176	164 167	161 164	155 158	153 156	146 149	142 144	139 138	139 142	134 137	131 134	127 128	
180	-	188	180	176	169	168	160	166	161	157	152	149	143	138	135	136	131	128	125	
	B B2	198 198	187 187	183 183	173	172	164	171	163	160	155	152	145	141	135	139	134	131	126	
190	-	182	175	171	162	161	155	161	155	152	147	144	139	135	131	133	129	125	122	
	B B2	192 192	182 182	178 178	168	167	159	167	160	156	151	148	142	137	131	136	131	128	123	
200	-	176	171	166	158	157	150	157	150	147	142	140	134	130	126	129	125	122	118	
	B B2	186 186	177 177	172 172	164	163	155	163	156	152	147	144	138	133	128	133	128	125	120	
210	-	171	166	162	154	153	146	153	146	143	139	136	131	127	123	126	121	118	114	
	B B2	181 181	172 172	167 167	159	158	151	159	152	148	143	140	134	130	125	129	125	121	117	
220	-	165	161	157	149	148	142	149	143	139	135	133	127	123	120	123	118	115	111	
	B B2	177 177	168 168	163 163	154	153	147	155	148	144	140	137	131	126	122	126	122	118	114	
230	-	160	154	149	144	143	137	144	139	136	132	129	124	120	116	120	115	112	109	
	B B2	173 173	164 164	159 159	151	150	143	151	145	140	136	133	127	123	118	123	119	115	111	
240	-	155	151	146	141	139	133	138	133	131	128	125	120	117	113	117	113	109	106	
	B B2	169 169	161 161	156 156	148	147	140	148	142	137	133	130	124	120	115	120	116	112	109	

* raisable only with B2 - seulement relevable avec B2



ft	B B2	SL13 433		SL13 443		SL13 453		SL13 463		SL13 472		SL13 482		SL13 492		SL13 502*		SL13 512*	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
250	- B2	150 165	147 158	142 152	138 145	136 144	131 137	134 145	130 139	127 135	124 131	121 127	117 122	113 117	110 113	113 117	110 113	106 109	104 106
260	- B2	145 161	143 154	138 148	136 142	133 140	128 135	130 142	127 137	124 132	122 128	118 124	115 120	110 115	106 111	109 115	106 111	102 107	100 104
270	- B2	140 154	140 149	134 144	133 138	130 137	126 131	126 139	124 134	121 129	119 126	115 122	113 117	108 112	104 108	106 113	104 109	99.3 105	97.6 102
280	- B2	134 147	134 142	130 138	129 133	127 133	123 128	122 135	122 130	118 126	117 123	113 119	111 115	106 110	103 106	104 110	102 107	97 102	95.6 99.9
290	- B2	126 139	127 136	123 132	124 129	123 129	120 125	118 130	118 126	114 122	114 120	110 116	109 112	104 107	101 104	101 108	99.8 105	94.8 99.6	93.5 97.9
300	- B2	119 132	120 130	116 126	117 124	117 124	114 122	112 124	113 122	110 118	111 116	107 112	107 109	102 105	98.6 102	98 105	97.6 103	92.6 97.2	91.4 95.9
310	- B2	112 124	113 124	109 121	110 119	110 120	109 118	106 119	107 117	104 114	106 113	102 109	102 106	98.2 102	95.9 99.9	94.9 102	95.4 100	90.4 94.6	89.3 93.7
320	- B2	104 117	105 118	102 115	103 114	104 116	103 115	100 113	101 112	98.7 110	99.9 109	96.4 105	96.8 103	93.9 100	92.2 98	90.9 99	91.9 97	87.3 92	86.6 91.3
330	- B2	97.4 111	98.4 112	95.1 109	96 109	97.9 111	97.5 111	94.5 108	95.3 108	92.9 105	94.2 106	90.9 101	91.3 100	89.2 97.7	87.8 96.1	86.1 95.7	87 94.2	83.3 89.5	83.1 89
340	- B2	91.8 105	92.4 106	88.7 103	89.4 103	91.6 106	91.8 106	88.5 102	89.4 103	87.2 101	88.5 102	85.3 97.7	85.8 97.3	84.4 95.3	83.4 94.2	81.3 92.4	82.1 91.3	78.7 87	78.6 86.6
350	- B2	86.5 99.3	87 99.9	83.4 97	84 97.3	86.3 100	86.6 100	83 96.8	83.6 97.5	81.4 95.7	82.9 97	79.8 93.3	80.2 93.5	79.6 92.9	78.9 92.3	76.5 89.1	77.2 88.5	74.1 84.5	74.2 84.2
360	- B2	81.2 93.5	81.6 94.1	78.3 91.1	78.8 91.4	81.3 94.4	81.6 94.7	77.9 91.3	78.4 92	76.3 90.3	77.6 91.7	74.5 88.3	74.8 88.8	74.8 89	74.5 88.9	71.7 85.3	72.3 85.2	69.5 82	69.7 81.8
370	- B2	75.8 88.1	76.2 88.6	73.1 85.4	73.5 85.8	76.3 88.9	76.7 89.1	73.1 85.8	73.5 86.6	71.5 84.9	72.7 86.3	69.4 83.1	69.6 83.6	70.1 83.9	70.1 84.3	66.9 80.9	67.4 81.3	64.9 78.9	65.3 78.9
380	- B2	70.6 83.1	70.8 83.3	68 80.3	68.3 80.8	71.3 83.6	71.8 83.7	68.3 80.3	68.7 81.2	66.9 79.5	68 80.9	64.9 77.9	65.2 78.4	65.6 78.8	65.7 79.2	62.2 76	62.6 76.4	60.3 74.2	60.8 74.5
390	- B2	66 78.3	66.2 78.5	63.3 75.4	63.4 75.9	66.3 78.8	66.9 78.9	63.5 75.5	63.8 76.2	62.3 74.3	63.4 75.6	60.3 72.7	60.7 73.1	61.3 73.8	61.3 74.2	57.9 71.1	58.3 71.5	56.1 69.5	56.5 69.8
400	- B2	61.6 70.8	61.8 71.2	58.9 70.8	59 71.2	61.8 74.2	62.4 74.4	58.9 70.9	59.1 71.5	57.7 69.6	58.7 70.7	55.8 67.8	56.2 68.2	56.9 68.7	57 69.1	53.6 66.1	54 66.6	51.9 64.7	52.3 65.1
410	- B2	57.4 66.5	57.6 66.5	54.7 66.5	54.8 66.5	57.8 66.5	58.1 66.5	54.6 66.5	54.8 67	53.3 65.2	54.3 66.1	51.3 63.2	51.7 63.6	52.5 63.9	52.7 64.3	49.3 61.3	49.7 61.8	47.8 60	48.2 60.4
420	- B2					53.8 60.4	54.1 60.4	50.5 60.4	51 60.4	49.2 60.4	50.2 60.4	46.8 58.7	47.3 59.2	48.2 59.7	48.4 60	45.1 56.8	45.5 57.1	43.7 55.3	44.1 55.7
430	- B2					50.1 57.7	50.3 57.7	46.8 57.7	47.2 57.7	45.3 57.7	46.4 57.7	43.2 54.7	43.5 55.2	44.1 55.7	44.3 56	40.8 52.6	41.2 52.9	39.6 51.1	39.9 51.5
440	- B2							43.5 50.1	41.7 50.1	42.7 50.1	39.6 50.1	39.8 50.1	40.2 51.8	40.4 52	37 48.7	37.3 48.9	35.6 47	35.9 47.5	
450	- B2										36 43.5	36.3 43.5	36.5 43.5	36.8 43.5	33.4 43.5	33.8 43.5	31.8 43.2	32 43.6	
460	- B2													33.4 40.8	29.8 40.8	30.2 40.8	28.1 40.8	28.5 40.8	
470	- B2													30.2 37.7	26.5 37.7	26.7 37.7	24.9 37.7	25.2 37.7	
480	- B2																	22 22.2	22.2 22.2

* raisable only with B2 · seulement relevable avec B2



Description of symbols Explication des symboles

General symbols Symboles généraux

	Hoist gear Treuil de levage		Page Page
	Slewing speeds Vitesses d'orientation		Wind power applications Applications de centrale éolienne
	Driving speed Vitesse de translation		Central ballast Contrepoids central
	Hookblock / Capacity Moufle à crochet / Capacité de charge		Counterweight Contrepoids
	Radius Portée		

Crane specific symbols Symboles spécifiques à la grue

	Main boom S Flèche principale S		Lattice type luffing fly jib W Fléchette treillis à volée variable W
	Main boom HS Flèche principale HS		Heavy duty jib WV Fléchette pour charge lourde WV
	Main boom SL Flèche principale SL		Fixed lattice jib F Fléchette à treillis fixe F
	Main boom HSL Flèche principale HSL		Counterweight frame B/B2/Counterweight trailer BW Palette de lest B/B2/Remorque à contrepoids BW
	Derrick system D Système derrick D		

Remarks referring to load charts

1. The lifting capacities do not exceed 75 % of the tipping load according to ASME B 30.5.
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 29 ft/s (9 m/s, 20.1 miles/hour) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
5. The working radii are measured from the slewing centreline.
6. The subsoil must be even and of good bearing capacity.
7. Subject to modification of lifting capacities.
8. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Remarques relatives aux tableaux des charges

1. La capacité de charge ne doit pas dépasser 75 % de la charge de basculement conformément à ASME B 30.5.
La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 29 ft/s (9 m/s, 20.1 miles/hour) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les charges sont indiquées en kips.
4. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
5. Les portées sont prises à partir de l'axe de rotation de la partie tournante.
6. Le sol doit être plat et résistant.
7. Charges données sous réserve de modification.
8. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.

Subject to modification / Sous réserve de modifications

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