

Strong like a bull

LR 1800-1.0

Crawler crane
Grue sur chenilles

LIEBHERR

Mobile and crawler cranes



880 USt



591 ft



354 ft +
335 ft



Technical data

Caractéristiques technique

Technical description

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H2DB/H2DBV/H2DBW	29-31
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SW1	32-38
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HSDWB/HSDWBV	39-64
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SLF	65-75
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HSL3AF	76-79
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HSL2AZDFBV	80-83
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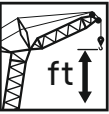
Description of symbols

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Remarks

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LR 1800-1.0



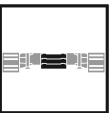
663 ft



499 ft



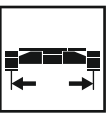
507,100 lb



286,600 lb



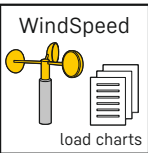
881,850 lb



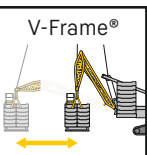
29 ft 6 in



455 kW (619 h.p.)



M-Wagon®



Equipment

Max. capacity	1763 kip at 30 ft radius H2DBV – System with H2 187 ft and D 108 ft.
Max. load moment	82,475,000 – 1369 kip at 66 ft radius. HSDBV – System with HS 138 ft and D 108 ft.



Crawler travel gear

Crawler chassis	Liebherr crawler chassis consisting of one centre section and two crawler carriers with crawler plates 6'7" (optional 4'11", 7'10") and quadruple drive.
Central ballast	2 brackets 11,025 lb each. Total central ballast 154,300 lb. 6 ballast plates 22,050 lb 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	8-cylinder diesel engine, make Liebherr, water cooled, rated power 455 kW (619 h.p.), max torque 2083 lb-ft. Fuel tank approx. 291 gallons, exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96.
Winch I	Standard hoist winch, hydraulically driven with variable axial piston motor with integrated planetary gear.
Winch IV	Boom hoist.
Reeving winch	Auxiliary winch for the reeving of ropes.
Slewing gear	2 slewing gears with integrated planetary gear hydraulically driven by axial piston variable motor.
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 three 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 monitors, 4 cameras for winches, slewing platform side and rear.
Counterweight	2 brackets 33,075 lb each. Total counterweight at superstructure 507,000 lb. 20 ballast plates 22,050 lb each.



Boom system

Main boom HS	System 3330/2724 with head section for max. 1433 kip load capacity. Boom length HS 118 ft – 295 ft. Boom length HSDB 118 ft – 295 ft with derrick system.
Main boom (H) SL	System 3330/2724/2420 with head section for max. 992 kip load capacity. Boom length SL 98 ft – 374 ft. Boom length HSLDB 118 ft – 591 ft.
Lattice type luffing fly jib W	System 2724/2420 with head section for max. 992 kip load capacity. Luffing jib lengths W 59 ft – 335 ft. Winch V is needed for all luffing jib operations.
Derrick system D	System 2524 including guy rods. Winch III is needed for all derrick operations. Length 108 ft / 128 ft.
Counterweight frame B	For max. derrick counterweight of 881 kip, for infinitely variable radius from 36 ft – 59 ft.
Derrick-Counterweight	Plates for a total of 881 kip.
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	55 kip for attaching to the S or L 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 support cylinders including support plates, mounted on central ballast consoles.
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 L intermediate sections.

Other items of equipment available on request.

Equipment

Capacité max.	1763 kip pour une portée de 30 ft. Système H2DBV avec H2 187 ft et D 108 ft.
Couple de charge max.	82,475,000 lb-ft – 1369 kip pour une portée de 66 ft. Système HSDBV avec HS 138 ft et D 108 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 6'7" (en option 4'11", 7'10") et un entraînement à 4 positions.
Contrepoids central	2 consoles de 11,025 lb. Contrepoids central total 154,300 lb. 6 plaques de lest de 22,050 lb (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 8 cylindres, refroidissement par eau, puissance 455 kW (619 ch), couple de rotation max. 2083 lb-ft. Réservoir de carburant: env. 291 gallons. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96.
Treuil I	Treuil de levage standard, commande hydraulique avec moteurs à cylindrée variable et pistons axiaux, réducteur planétaire intégré.
Treuil IV	Mécanisme de relevage.
Treuil de mouflage	Treuil auxiliaire pour le mouflage des câbles.
Mécanisme d'orientation	2 mécanismes d'orientation avec réducteur planétaire intégré, entraînés par un moteur à cylindrée variable et pistons axiaux.
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 grues 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.
Surveillance vidéo	2 écrans couleur, 4 caméras dédiées aux treuils, ainsi qu'aux parties latérales et arrière de la partie tournante.
Contrepoids	2 consoles de 33,075 lb chacune. Contrepoids total 507,000 lb. 20 plaques de lest à 22,050 lb (option).



Système de flèche

Flèche principale HS	Système 3330/2724 avec élément de tête pour une capacité max. de 1433 kip. Longueur de la flèche HS 118 ft – 295 ft. Longueur de la flèche HSDB 118 ft – 295 ft avec système derrick.
Flèche principale (H)SL	Système 3330/2724/2420 avec élément de tête pour une capacité max. de 992 kip. Longueur de la flèche SL 98 ft – 374 ft. Longueur de la flèche HSLDB 118 ft – 591 ft.
Fléchette treillis à volée variable W	Système 2724/2420 avec élément de tête pour une capacité max. de 992 kip. Longueurs de flèche treillis 59 ft – 335 ft. Le treuil V est nécessaire pour fonctionnement fléchette treillis.
Système derrick D	Le système 2524 comprend des tirants. Le treuil III est nécessaire au mode derrick. Longueur 108 ft / 128 ft.
Palette de lest B	Pour un contrepoids derrick max. de 881 kip et rayons variables progressivement de 36 ft – 59 ft.
Contrepoids derrick	Plaques de poids total de 881 kip.
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	55 kip pour le montage sur la tête S ou L.

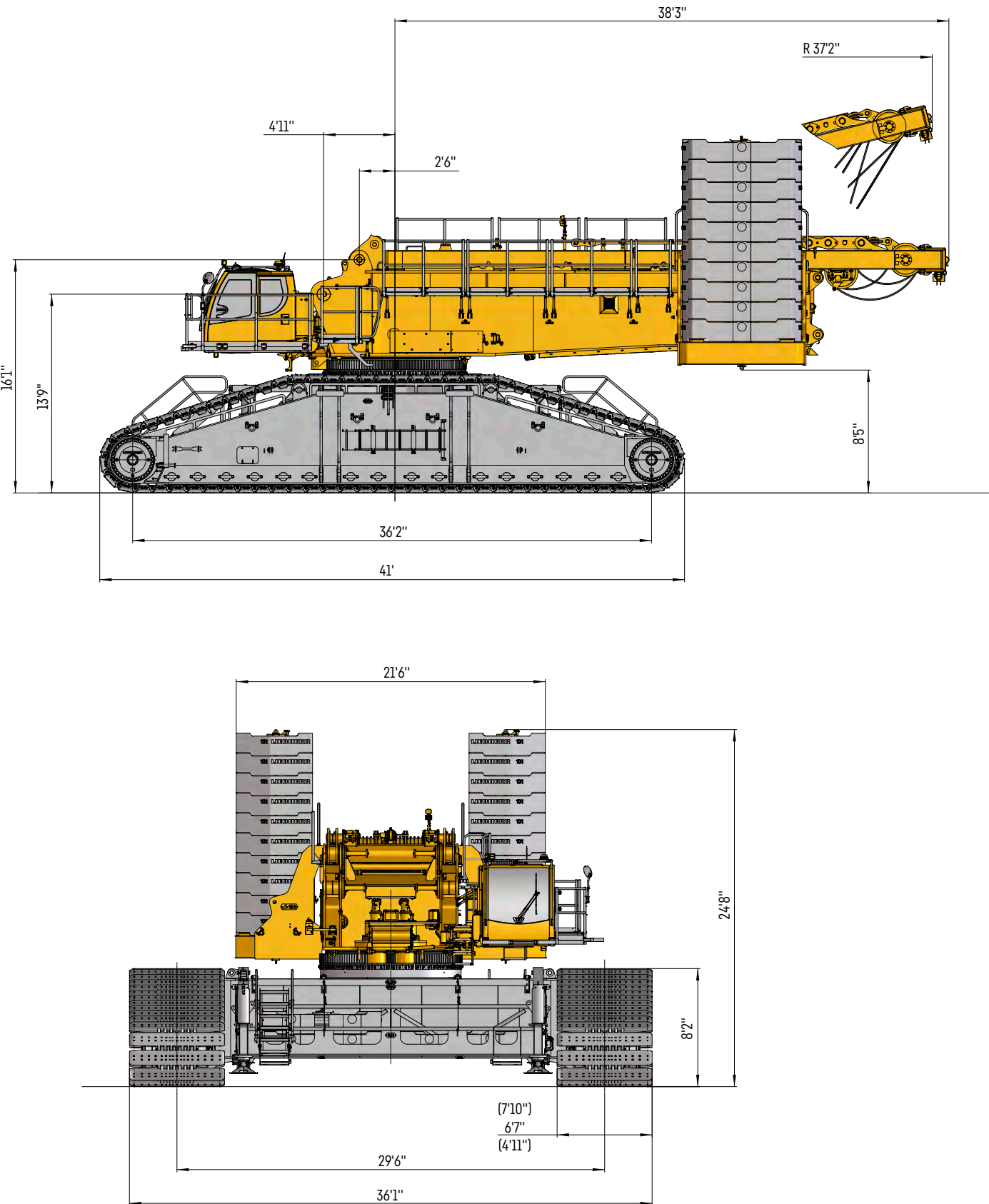
Equipment additionnel

Stabilisateur additionnel mécanique	Il sert au relevage de longues combinaisons de flèche sans contrepoids derrick.
Stabilisateurs hydrauliques de montage	Levage de l'engin de base pour le montage/démontage. Constitués de 4 vérins de calage dont les patins de calage, montés sur les consoles de contrepoids 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 L.

D'autres équipements additionnels sont disponibles sur demande.

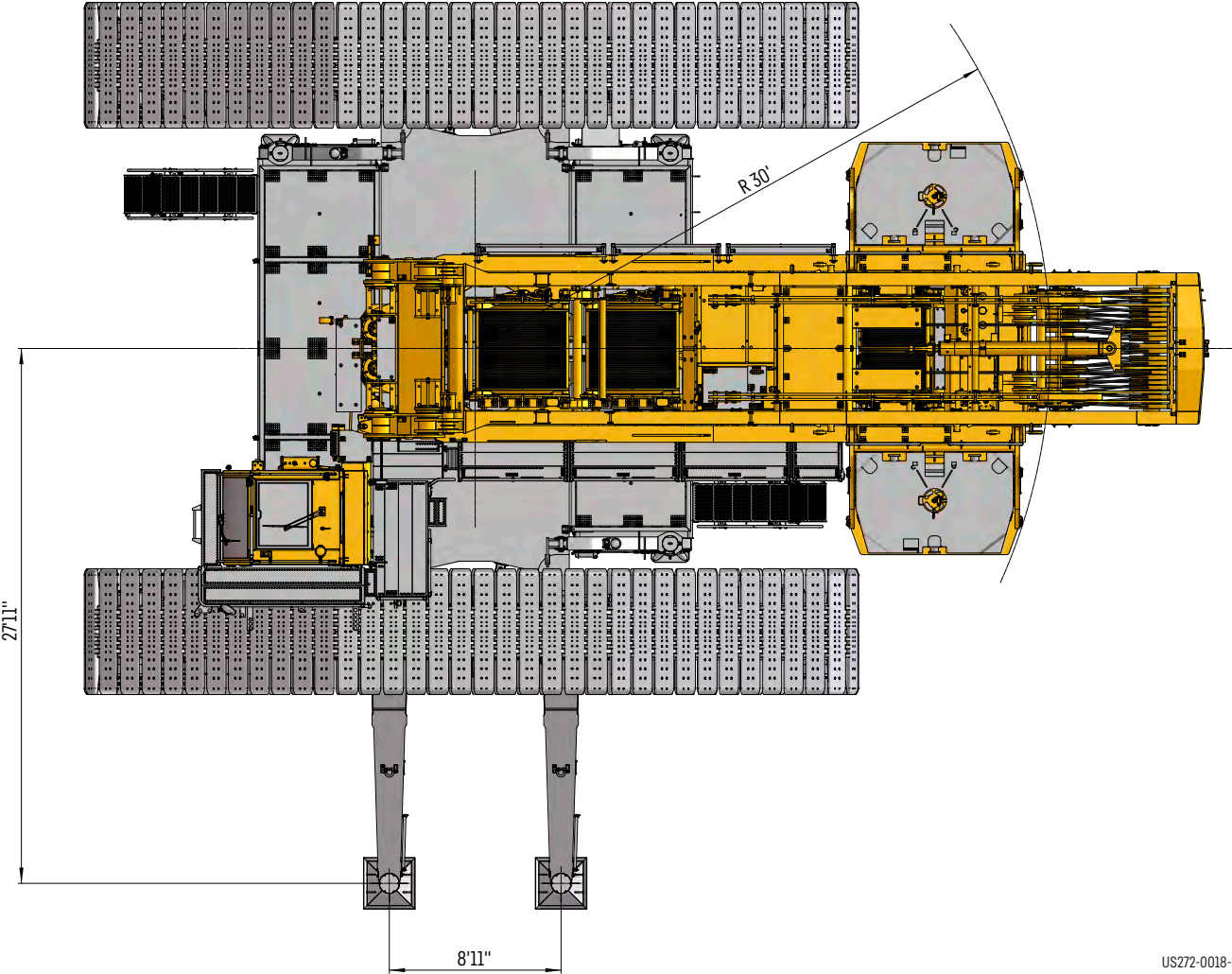
Dimensions

Encombrement



Dimensions

Encombrement

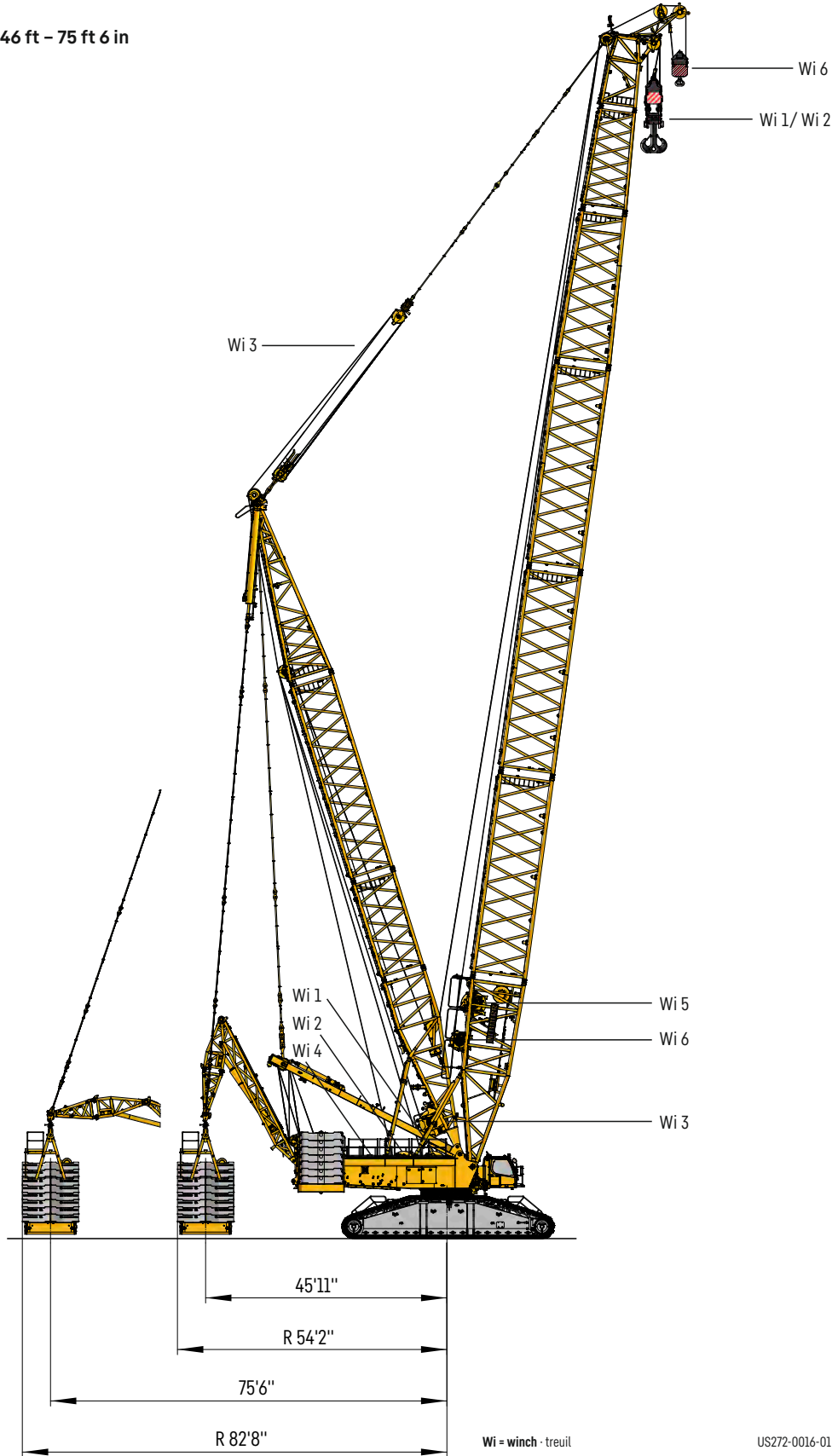


US272-0018-01

HSLDBV



46 ft - 75 ft 6 in



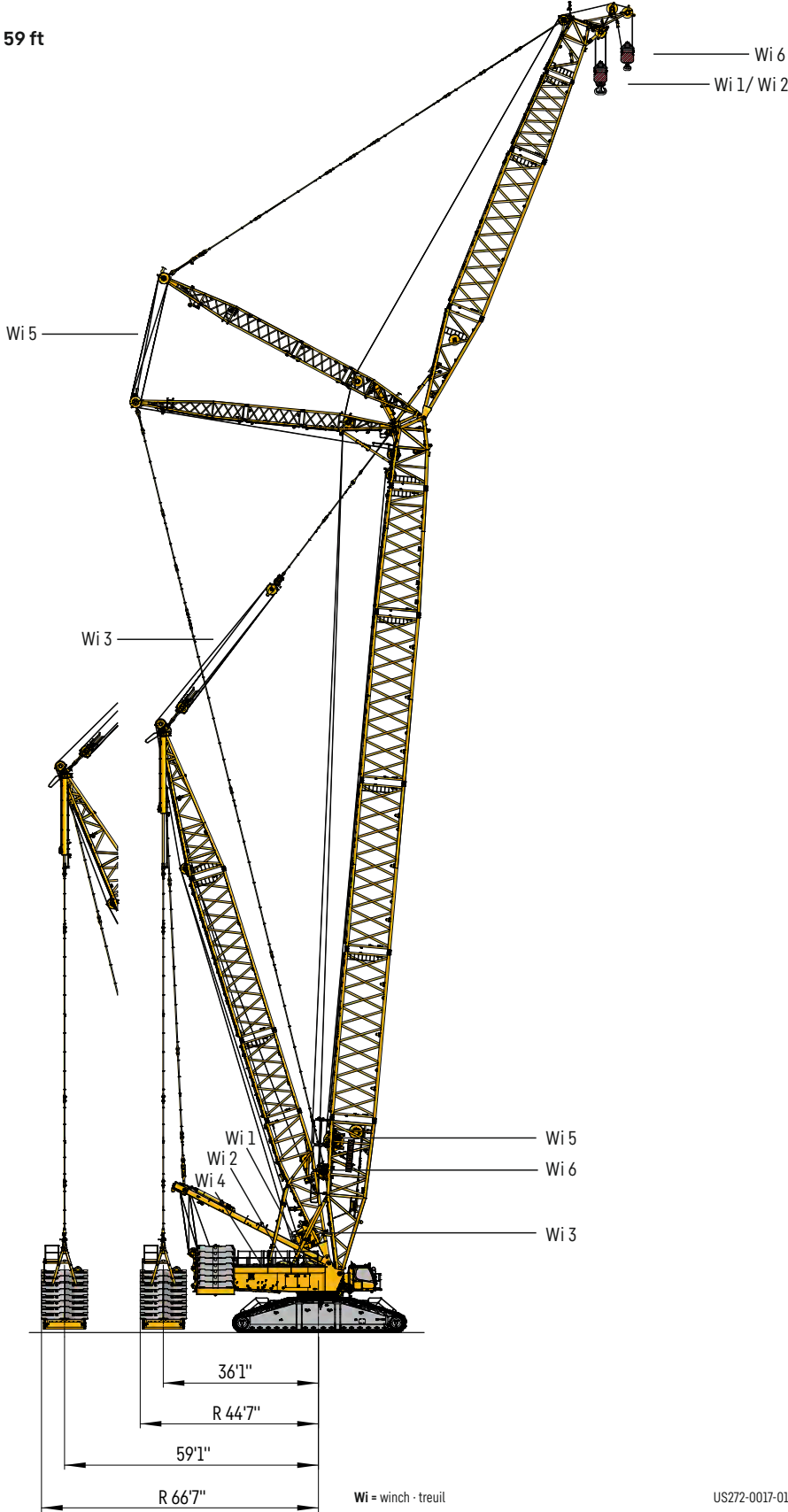
Wi = winch - treuil

US272-0016-01

HSDWB



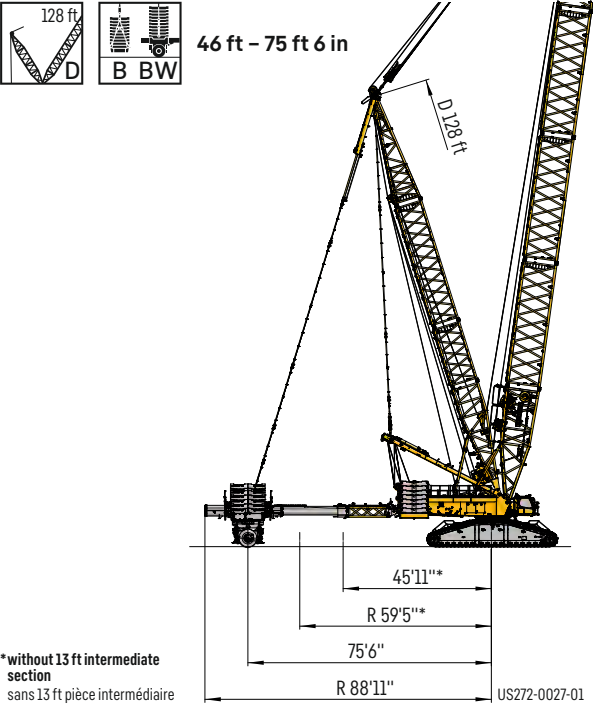
36 ft - 59 ft

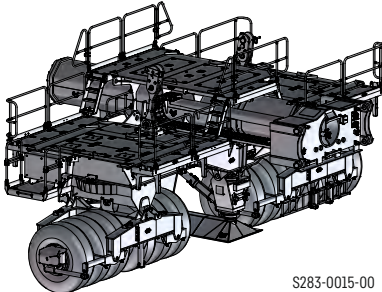
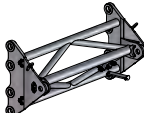
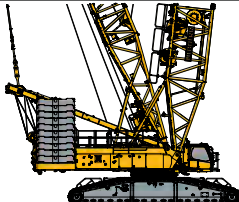
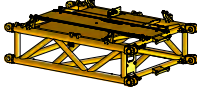
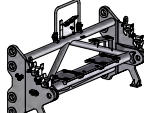
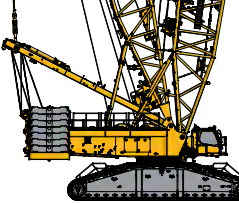
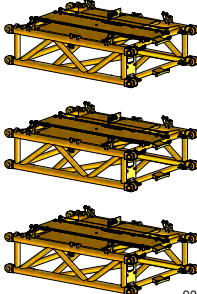
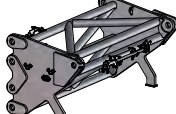
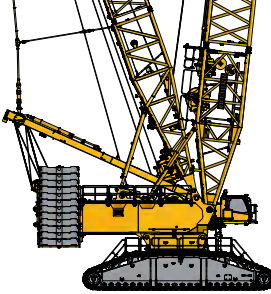


US272-0017-01

M-Wagon® for 3 crane models

M-Wagon® pour 3 types de grues



M-Wagon®	13 ft intermediate section · pièce intermédiaire		adapter · adaptateur		crane type · type de grue	
One fits all Équipement unique  S283-0015-00	+	 S283-0016-00	+	826,700 lb @ 69 ft  S283-0017-00	 LR 1700-1.0 S283-0020-00	
	+	 S283-0016-00	+	881,890 lb @ 75 ft 6 in  S283-0018-00	 LR 1800-1.0 S283-0021-00	
	+	 S283-0016-00	+	992,100 lb @ 98 ft 5 in  S283-0019-00	 LR 11000 S283-0022-00	

Crane data

Dates de la grue

Winches · Treuils

	V _{ft/min}	 F	 Ø	
1	0 - 374 ft/min	44,960 lb	30 mm	4265 ft
2	0 - 374 ft/min	44,960 lb	30 mm	4265 ft
3	0 - 410 ft/min	-	-	-
4	0 - 2 x 246 ft/min	-	-	-
5	0 - 443 ft/min	-	-	-
6	0 - 450 ft/min	28,100 lb	25 mm	1970 ft

Working speeds Vitesses · Velocità

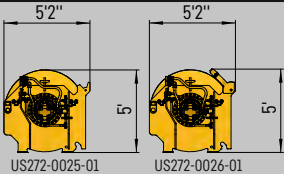
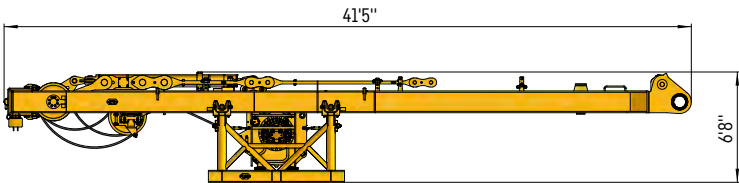
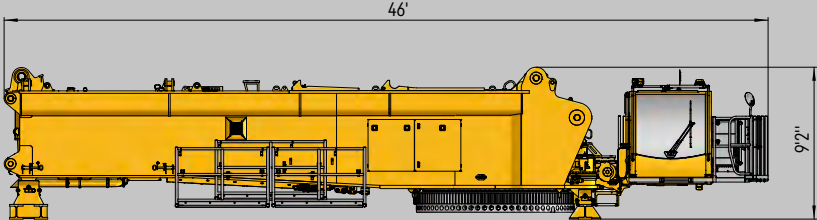
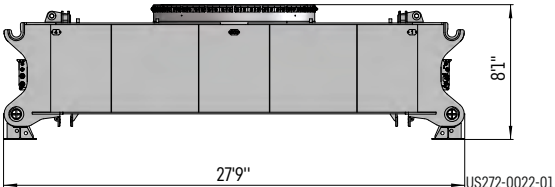
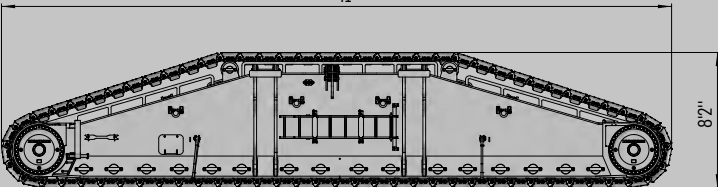
	Slewing speeds · Vitesses d'orientation	0 - 0.67 rpm
	Travel speeds · Vitesses de translation	0 - 0.9 mph

Hook blocks · Moufles à crochet

	 max	 Ø			
1,543,200 / 771,600 lb	1,763,700 / 881,850 lb	30 mm	2 x 9	2 x 19	35,275 - 57,300 / 26,450 - 48,500 lb
1,234,600 / 617,300 lb	1,433,000 / 716,500 lb	30 mm	2 x 7	2 x 15	30,850 - 48,500 / 22,050 - 39,700 lb
595,250 / 297,600 lb	705,500 / 352,750 lb	30 mm	2 x 3	2 x 7	10,400 - 28,000 / 7,500 - 25,100 lb
463,000 lb	551,150 lb	30 mm	5	11	6,600 - 24,250 lb
297,600 lb	352,750 lb	30 mm	3	7	5,500 - 18,700 lb
132,300 lb	176,400 lb	30 mm	1	3	5,500 - 9,900 lb
44,100 lb	55,100 lb	30 mm	-	1	3,300 lb

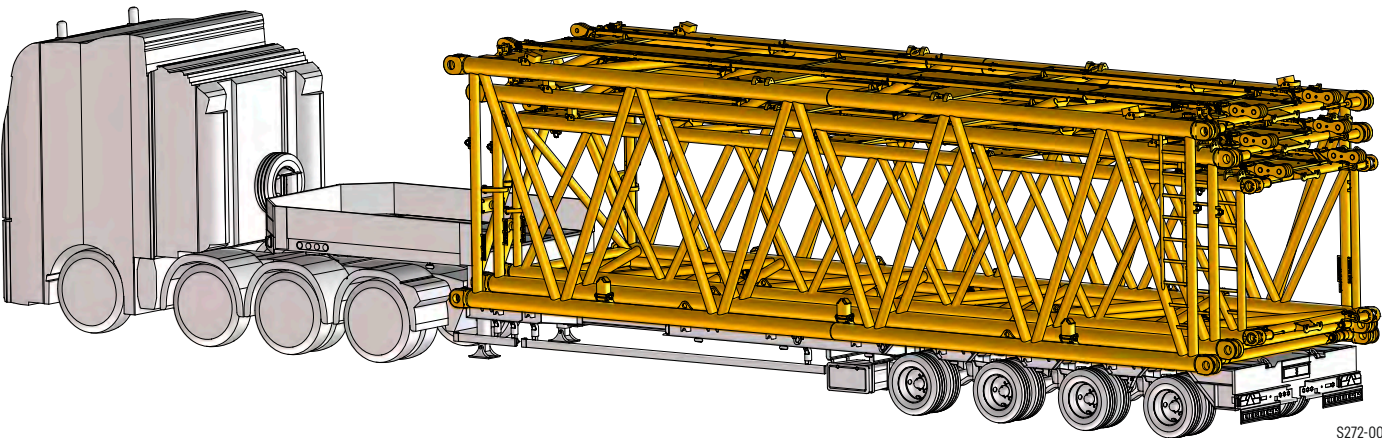
Transportation plan

Plan de transport

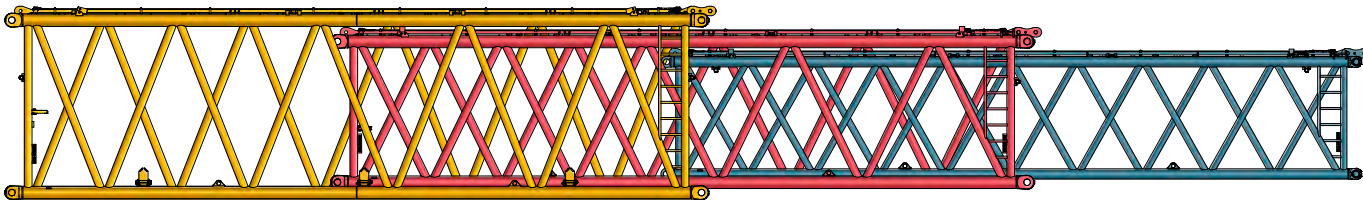
Part - Partie						
Winches 1 and 2 Treuils 1 et 2  5'2" 5'2" 5' 5' US272-0025-01 US272-0026-01		24.25 kip+ 24.25 kip				
SA-frame, winch 4 incl. rope and pulley block - Chevalet SA, treuil 4 incl. câble et bloc de poulies  41'5" 6'8"		44.1 kip + 3.5 kip Transport bracket Support de transport				
Superstructure with quick connection - Partie tournante avec quick connection  46' 9'2"		101.4 kip (incl. QC) +3.7 kip Transport bracket Support de transport				
Middle section Partie centrale  27'9" 8'1"		66.1 kip +2 kip Transport bracket Support de transport				
Crawler track (4-fold, 6 ft 7 in pads) (*optional) Longeron (4 positions, plaques de 6 ft 7 in) (*en option)  41' 8'2"		2 x 132.3 kip				
4'11"* 6'7" 7'10"* 110 kip 132.3 kip 147.7 kip						
Total - total		524.7 kip	145.5 kip	149.5 kip	211.6 kip	194 kip
		+Transport bracket +Support de transport				

Economic transport worldwide

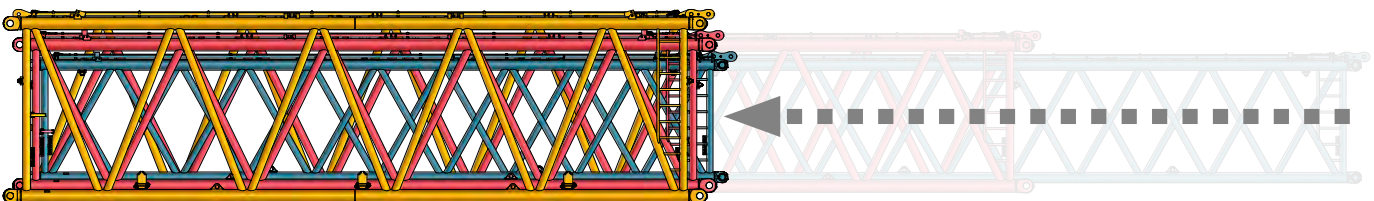
Un transport économique partout dans le monde



S272-0002-00

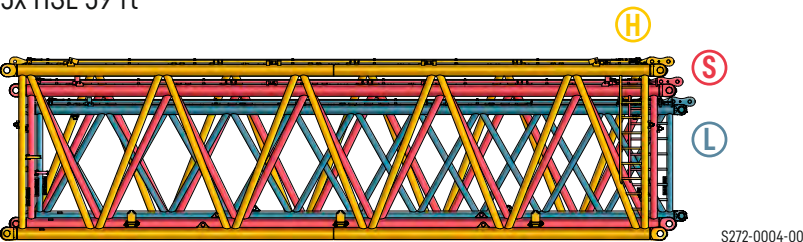


S272-0003-00



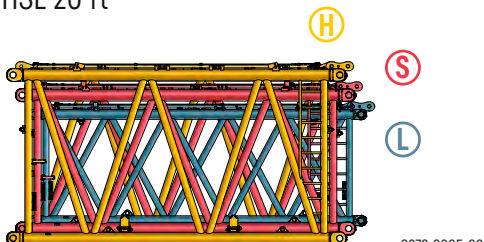
S272-0004-00

3x HSL 39 ft

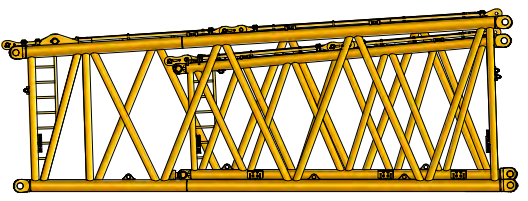


S272-0004-00

HSL 20 ft



S272-0005-00



S272-0007-00

HS-reduction section incl. SL-reduction section
Elément réducteur HS incl. élément réducteur SL

Suspended ballast V-Frame®

V-Frame® de contrepoids suspendu

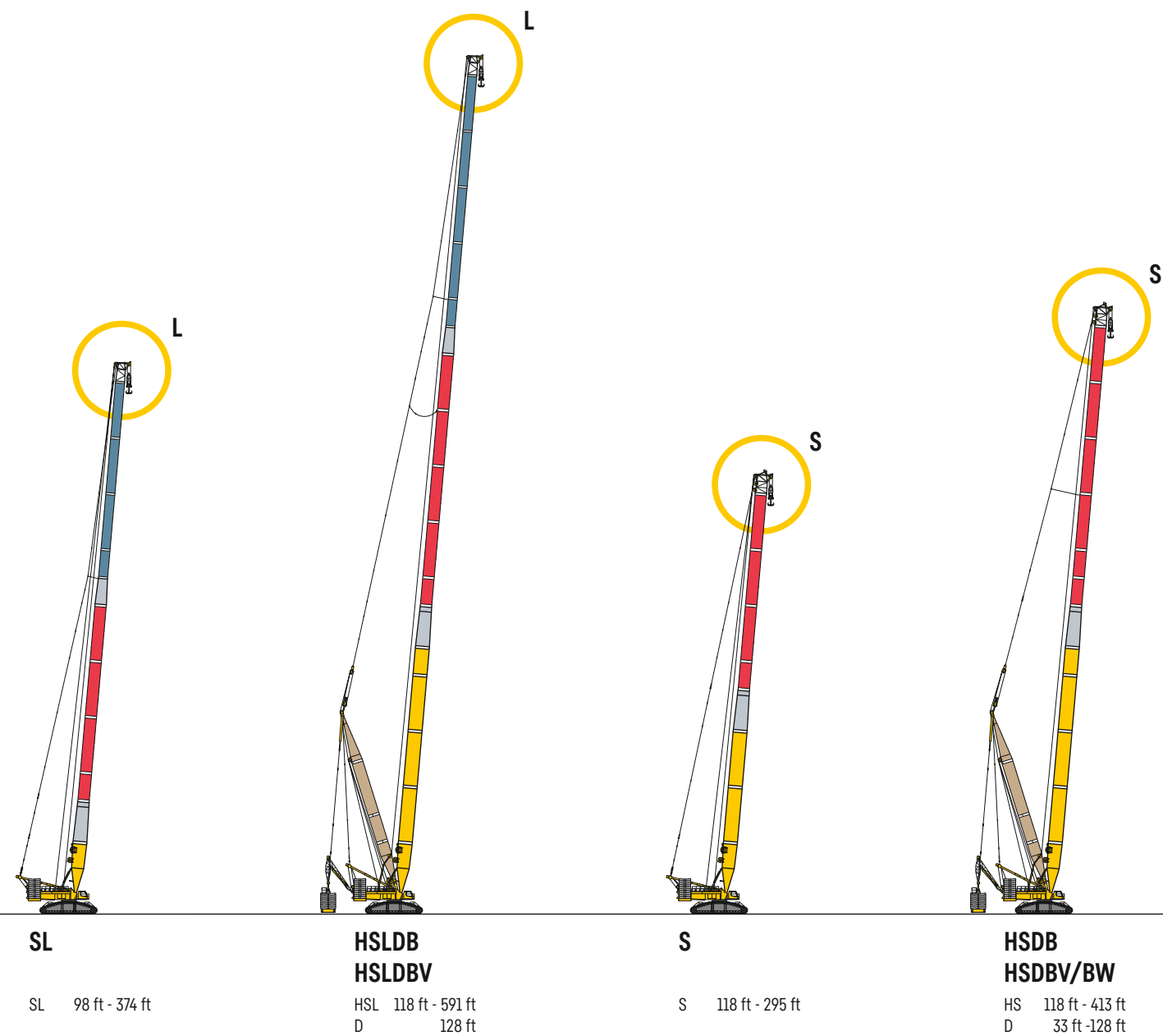
- Adjustment distance 46 ft – 75 ft
- Automated tracking of the derrick cylinders (one control movement only)
- Interpolated load chart tables
- Distance de réglage de 46 ft – 75 ft
- Guidage automatique des vérins de derrick (une seule manœuvre de commande)
- Interpolation des tableaux de charge



Boom/jib combinations

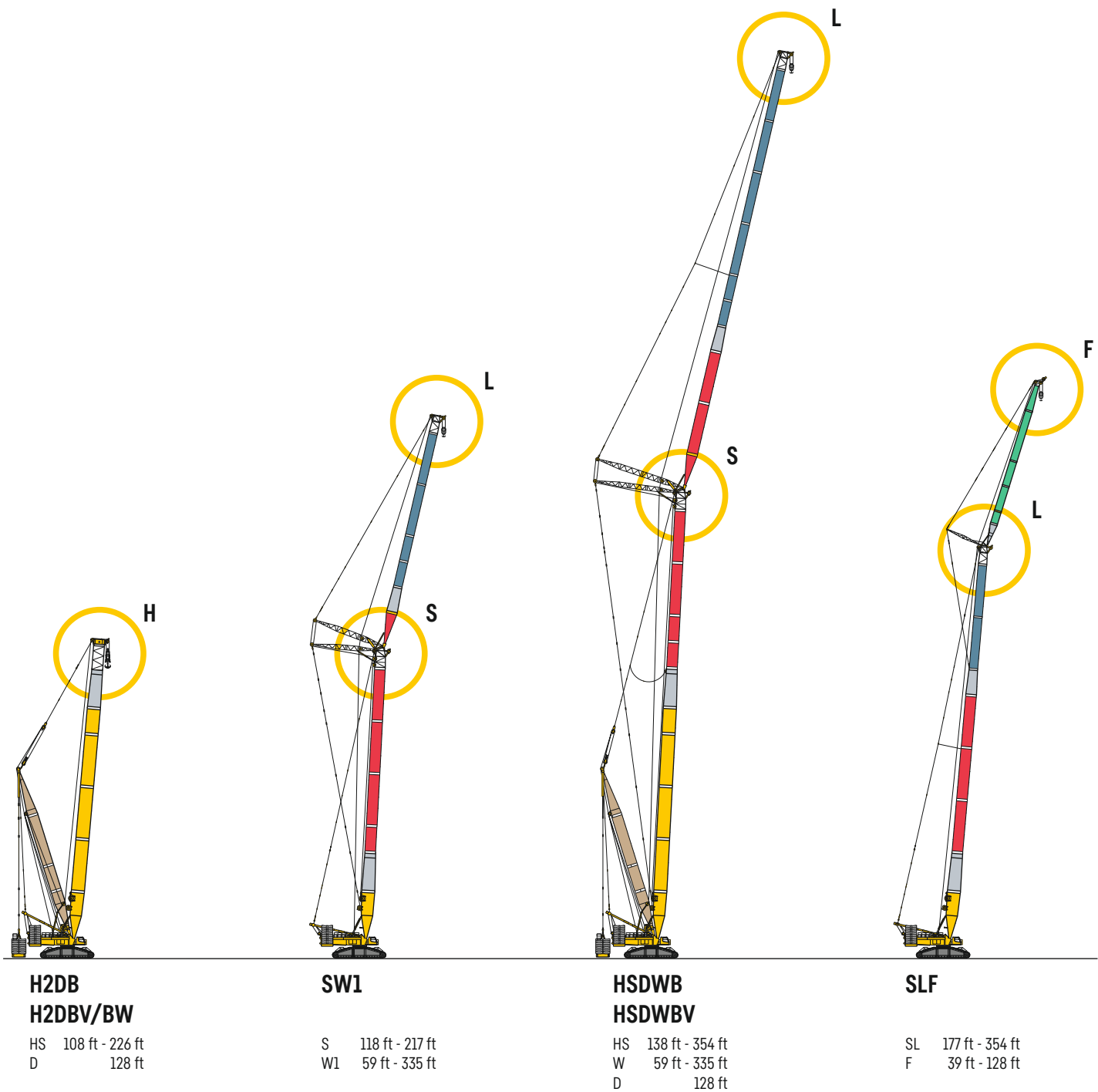
Configurations de flèche

S/HS	Main boom, heavy · Flèche principale, lourde
(H)SL/2/3	Main boom, heavy/light · Flèche principale, lourde/légère
D	Derrick · Flèche derrick
W	Luffin fly jib, heavy · Fléchette, lourde
W1	Luffin fly jib, light · Fléchette, légère
A	Adapter · Pièce d'adaptateur
F	Fixed lattice jib · Fléchette à treillis fixe
B	Suspended ballast · Lest suspendu
BV	Suspended ballast V-Frame® · V-Frame® de contrepoids suspendu
BW	Counterweight trailer M-Wagon · Remorque à contrepoids M-Wagon



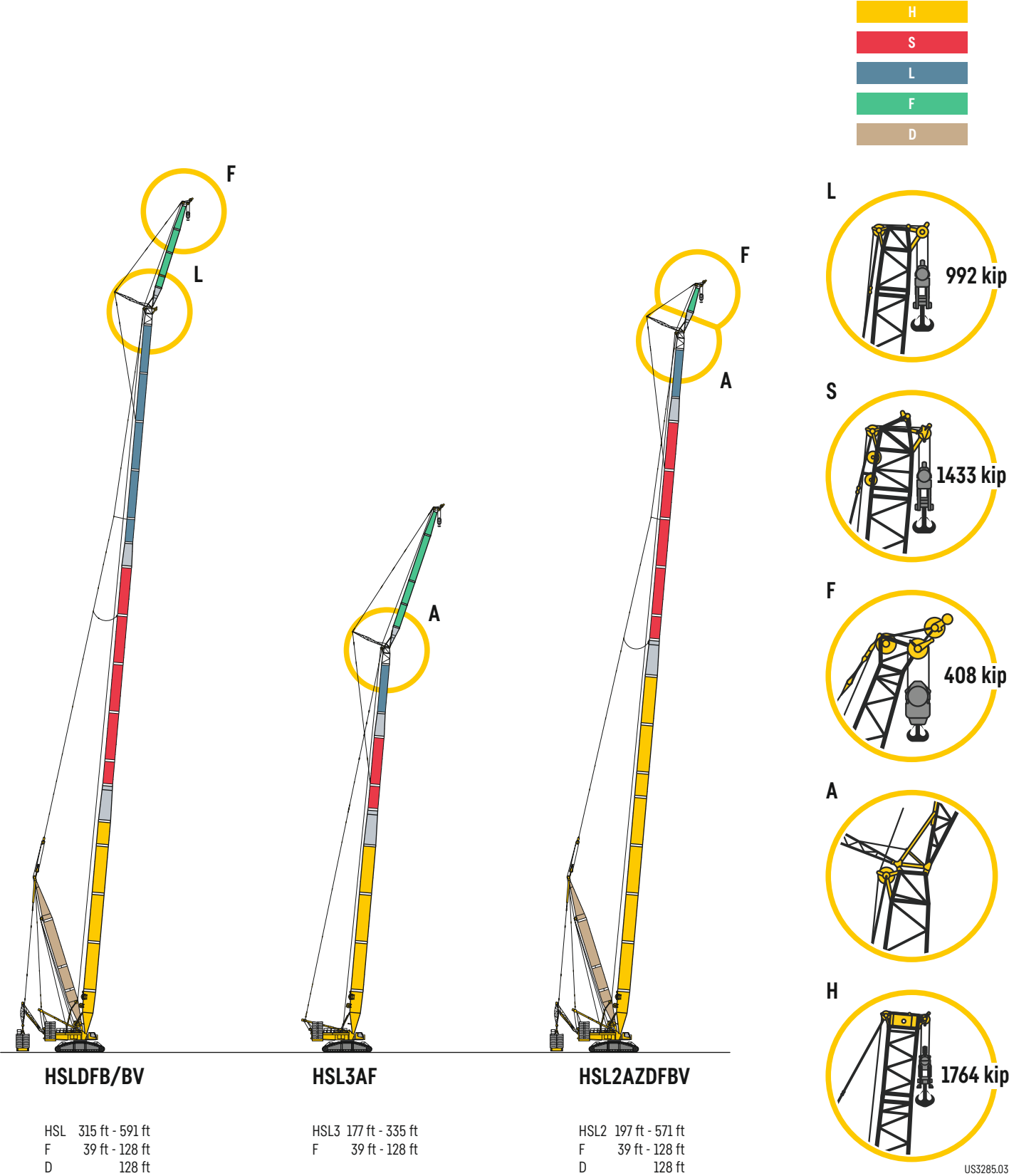
Boom/jib combinations

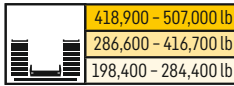
Configurations de flèche



Boom/jib combinations

Configurations de flèche



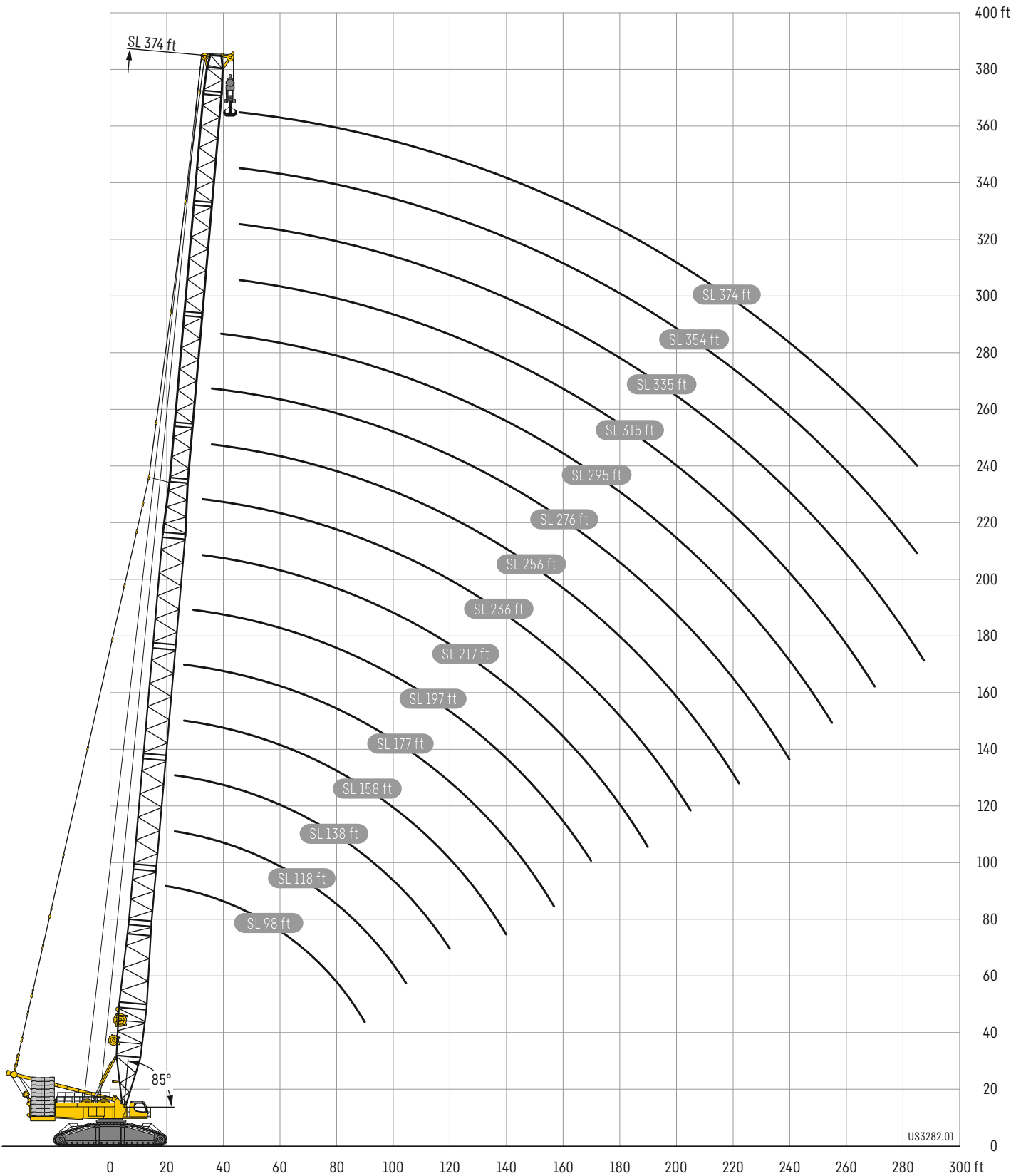


	SL 98 – 374 ft															
ft	98 ft	118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft	ft
19	992															19
20	992	992														20
22	992	992	992													22
24	992	992	992	992												24
26	992	992	992	992	992											26
28	992	992	992	992	992	768										28
30	992	992	992	992	992	974	594									30
32	983	981	986	968	981	936	892	475								32
34	955	953	942	935	922	875	836	798	430							34
36	906	903	890	891	864	823	784	752	723	386						36
38	850	846	840	842	811	774	740	709	689	643	352					38
40	801	798	796	792	764	731	698	671	653	622	537					40
45	702	697	694	691	667	639	613	590	576	556	516	481	418	339		45
50	619	615	614	609	589	566	544	524	513	497	485	465	410	330	278	50
55	555	551	549	545	526	506	487	470	462	448	438	424	399	322	270	55
60	500	497	495	490	475	457	440	425	419	406	398	386	377	313	262	60
65	453	450	448	444	431	415	400	387	382	370	364	352	345	304	255	65
70	408	408	406	402	394	379	366	353	350	339	334	324	317	294	248	70
75	371	370	368	364	361	349	336	324	322	312	308	298	292	280	241	75
80	337	337	335	332	328	322	310	299	298	289	285	276	270	262	234	80
85	308	308	306	303	300	296	287	277	276	267	264	256	251	243	226	85
90	283	282	283	278	276	270	266	257	257	248	246	238	234	226	218	90
95		261	260	257	254	250	245	240	239	231	229	222	218	211	207	95
100		242	242	238	235	231	226	223	224	216	214	208	204	197	194	100
105		225	224	221	218	214	209	205	209	202	201	194	190	184	181	105
110			209	206	204	198	194	191	195	190	188	182	178	172	170	110
115			196	192	190	185	181	178	180	177	177	171	167	162	159	115
120			184	180	177	173	168	165	169	165	166	161	157	152	150	120
125				169	166	162	157	154	158	154	156	151	148	142	140	125
130				159	156	151	147	144	147	144	146	142	140	134	132	130
135				150	147	142	139	135	138	135	137	133	131	126	124	135
140				141	138	134	130	126	129	126	128	125	124	119	117	140
145					130	126	122	119	122	118	120	118	116	112	110	145
150					123	119	115	112	115	111	113	110	109	105	104	150
155					116	112	108	104	108	104	106	103	103	99.2	98	155
160						106	102	98.2	102	98.2	99.6	96.9	96.3	93.6	92.2	160
165						100	96.4	92.5	95.8	92.3	93.8	90.9	90.1	88	86.9	165
170						95.1	90.9	86.8	90.3	87	88.4	85.4	84.5	82.5	81.9	170
175							85.7	81.7	85.1	81.7	83.1	80.1	79.1	77	76.9	175
180							81.1	77.2	80.3	76.5	78.6	75.2	74.3	72.2	72.1	180
185							76.7	72.8	75.5	71.9	74	70.4	69.7	67.5	67.3	185
190							72.6	68.5	71.3	67.8	69.4	66.4	65.4	63.3	63.1	190
195								64.7	67.5	63.8	65.3	62.5	61.3	59.2	58.9	195
200								60.9	63.7	59.7	61.5	58.5	57.6	55.3	55.1	200
205								57.4	60.1	56.3	57.9	54.8	54	51.6	51.4	205
210									56.9	53	54.4	51.3	50.4	48.1	47.9	210
215									53.7	49.7	51.1	48.1	46.8	45	44.6	215
220									50.6	46.6	48.1	44.9	43.7	41.8	41.4	220
225										43.8	45.3	41.8	40.6	38.6	38.7	225
230										41.1	42.5	39	38	35.7	35.9	230
235										38.5	39.7	36.3	35.3	32.9	33.1	235
240										36.1	37.3	33.9	32.6	30.3	30.3	240
245											34.9	31.5	30.2	27.9	27.8	245
250											32.6	29.1	27.9	25.5	25.3	250
255											30.5	27	25.6	23.1	23.1	255
260												24.9	23.4	21.1	20.9	260
265												22.8	21.2	19	18.7	265
270												20.8	19.3	17.1	16.6	270
275													17.5	15.2	14.7	275
280													15.6	13.2	12.8	280
285													13.8	11.6	11	285
290													12.2			290

Lifting heights

Hauteurs de levage

SL



HSLDB/HSLDBV

HSL 118 – 591 ft



ft		HSL 118 - 591 ft																									
		118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft	394 ft	413 ft	433 ft	453 ft	472 ft	492 ft	512 ft	532 ft	551 ft	571 ft	591 ft	
22	Ot	992																									
	B	992																									
	BV																										
24	Ot	992																									
	B	992																									
	BV	992																									
26	Ot	992	992																								
	B	992	992																								
	BV	992	992																								
28	Ot	992	992	992																							
	B	992	992	992	992																						
	BV	992	992	992	992																						
30	Ot	992	992	992	992	992																					
	B	992	992	992	992	992																					
	BV	992	992	992	992	992																					
32	Ot	991	985	974	924	903																					
	B	992	992	992	992	992	992																				
	BV	992	992	992	992	992	992																				
34	Ot	939	931	907	862	841	802																				
	B	992	992	992	992	992	992	992																			
	BV	992	992	992	992	992	992	992																			
36	Ot	879	873	847	807	791	752	718																			
	B	992	992	992	992	992	992	992	992																		
	BV	992	992	992	992	992	992	992	992	992																	
38	Ot	827	821	793	756	743	709	676	647																		
	B	992	992	992	992	992	992	992	992	992																	
	BV	992	992	992	992	992	992	992	992	992	992																
40	Ot	780	773	745	713	701	668	640	612	663																	
	B	992	992	992	992	992	992	992	992	992																	
	BV	992	992	992	992	992	992	992	992	992	992																
45	Ot	681	673	647	621	612	586	561	538	585	564	547	524														
	B	992	992	992	992	992	992	992	992	992	927	834	748														
	BV	992	992	992	992	992	992	992	992	992	948	850															
50	Ot	604	594	569	547	541	519	497	477	522	504	488	471	458	439												
	B	992	992	992	992	992	992	992	992	992	925	831	749	673	604												
	BV	992	992	992	992	992	992	992	992	992	950	851	762	682	610												
55	Ot	540	528	507	488	483	463	444	427	469	453	440	424	413	396	392	380	359									
	B	992	992	992	992	992	992	992	992	992	924	829	746	672	603	536	481	400									
	BV	992	992	992	992	992	992	992	992	992	953	851	763	682	611	515	474										
60	Ot	486	475	456	439	435	418	401	386	424	410	398	385	374	360	356	345	343	330	315							
	B	992	992	990	989	992	992	992	992	991	922	828	742	671	602	534	480	405	367	319							
	BV	992	992	992	992	992	992	992	992	992	954	851	764	683	611	515	474	389	370	294							
65	Ot	439	430	413	398	394	379	364	350	386	373	363	350	341	328	325	316	314	301	296	272	233	222				
	B	981	966	953	959	990	992	990	975	970	914	825	736	669	601	531	479	404	365	317	273	234	223				
	BV	992	992	992	992	992	992	992	992	992	934	850	764	683	611	516	474	389	369	294	253	221					
70	Ot	393	391	377	363	360	346	331	319	353	341	332	320	312	300	298	289	287	277	272	263	231	220	193			
	B	910	903	897	891	967	964	950	930	929	886	823	719	667	600	529	476	401	363	315	270	232	221	194			
	BV	992	992	992	992	992	992	992	992	992	970	895	832	759	683	611	518	474	389	368	295	254	221	223	187	160	
75	Ot	356	352	345	333	330	317	303	291	324	313	304	294	287	274	274	265	265	254	250	243	228	216	191			
	B	848	841	835	830	911	900	889	877	880	853	811	706	664	599	527	472	397	360	312	268	229	218	192			
	BV	992	992	992	992	990	992	991	967	927	857	795	752	683	611	520	475	389	366	295	254	221	221	188	160	129	
80	Ot	325	320	317	307	304	291	279	268	298	288	280	270	264	253	252	245	245	234	231	224	219	209	189			
	B	794	786	781	775	853	844	833	823	827	810	781	691	658	596	520	468	393	356	308	265	227	216	190			
	BV	955	986	984	982	966	962	943	923	887	821	765	741	679	611	523	476	389	363	295	253	221	219	188	161	130	
85	Ot	297	293	289	283	281	269	257	247	275	266	259	249	243	233	232	226	226	217	213	207	205	194	183			
	B	744	738	733	727	800	794	783	774	780	763	744	674	647	590	510	463	388	352	305	261	224	213	188			
	BV	895	950	948	941	925	915	897	880	851	788	737	724	666	609	526	477	389	360	294	252	220	217	188	161	130	
90	Ot	273	270	265	262	260	249	238	228	255	247	240	231	225	215	215	209	210	200	197	191	189	179	173			
	B	700	696	689	684	751	747	738	729	737	720	705	661	637	582	502	457	383	347	303	258	221	211	186			
	BV	819	892	893	888	874	868	854	838	817	759	710	697	644	600	528	477	389	357	293	252	220	215	188	161	131	
95	Ot	253	248	244	241	242	232	221	211	237	229	222	214	208	199	200	193	194	185	183	177	176	165	160			
	B	662	657	651	645	710	705	698	690	696	683	668	641	620	572	495	451	378	342	299	254	218	208	184			
	BV	755	832	845	839	828	821	812	799	784	733	685	674	625	583	527	476	388	353	292	252	219	212	187	159	131	
100	Ot	234</																									

HSLDB/HSLDBV

HSL 118 – 591 ft



118 – 591 ft
HSL



128 ft
D



154,300 lb



374,800 lb -
463,000 lb



B BV

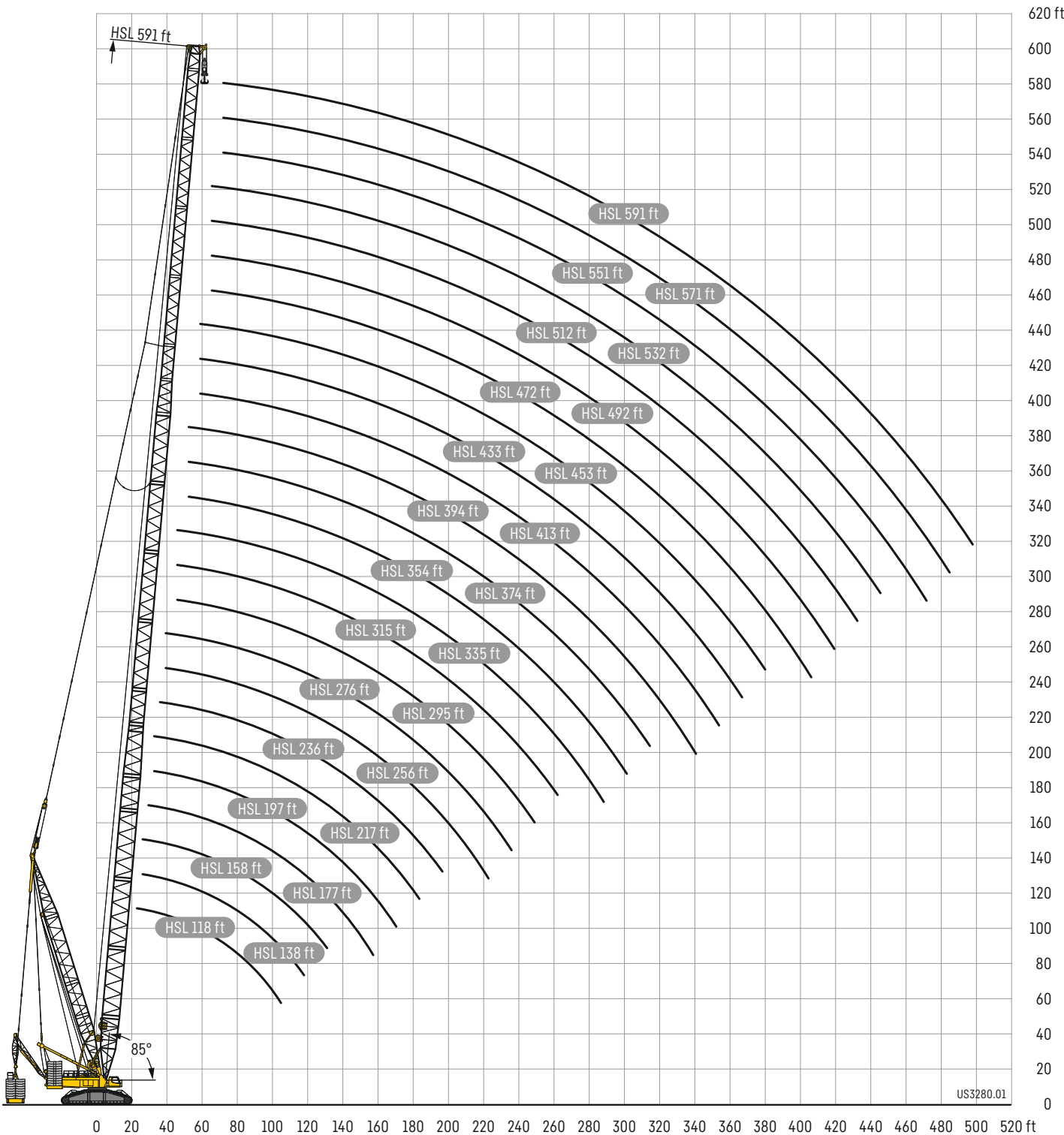
661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb

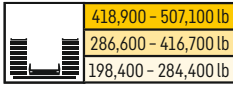
		HSL 118 – 591 ft																									
		118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft	394 ft	413 ft	433 ft	453 ft	472 ft	492 ft	512 ft	532 ft	551 ft	571 ft	591 ft	
270	Ot B BV											12.6 177 211	172 189	170 204	165 199	168 203	164 200	166 203	160 196	159 193	145 158	121 128	116 123	100 107			
																									89.2	80.4	
280	Ot B BV												162 181	160 193	155 188	158 191	154 188	156 191	150 185	149 184	140 154	116 125	112 119	97.5 104			
																									86.3	77.9	
290	Ot B BV												153 174	150 182	145 177	148 181	145 177	147 181	141 175	140 174	134 150	113 121	109 116	94 100			
																									83.5	75.4	
300	Ot B BV													142 172	137 167	140 171	136 167	139 171	133 165	132 164	127 146	110 118	106 113	90.5 97.4			
																									80.9	73.1	
310	Ot B BV														129 158	131 161	128 158	130 161	125 156	124 156	120 143	108 115	103 110	88.1 94.6			
																									78.4	70.8	
320	Ot B BV														121 150	124 153	120 149	123 153	118 147	117 147	113 138	105 112	98.9 107	85.9 91.9			
																									76.2	68.6	
330	Ot B BV															116 145	113 141	116 144	111 139	110 139	107 134	102 109	94.9 105	83.9 89.4			
																									73.9	66.6	
340	Ot B BV															110 137	106 133	109 136	104 132	103 131	100 129	97.7 106	90.7 102	81.6 86.9			
																									71.9	64.5	
350	Ot B BV																99.7 126	103 129	97.7 124	96.8 124	93.8 124	92.7 104	86 99.7	79.3 84.5			
																									69.9	62.8	
360	Ot B BV																	96.5 122	91.7 118	90.9 117	88.3 117	87.8 101	80.6 97.7	75.8 82.3			
																									68	61.1	
370	Ot B BV																	90.8 116	86.1 111	85.2 110	82.8 111	82.8 99	75.1 95.7	71.3 80.4			
																									66	59.3	
380	Ot B BV																		80.6 105	79.9 104	77.4 104	77.7 96.6	69.8 93.1	66.4 78.5			
																									64.4	57.6	
390	Ot B BV																		75.6 99.1	74.6 98.5	72.3 98.4	72.7 94.2	65.1 88.8	61.6 76.6			
																									62.8	56	
400	Ot B BV																			69.7 93.1	67.6 92.9	67.8 91.4	60.5 83.9	57.1 74.3			
																									61.2	54.6	
410	Ot B BV																					63 87.5	63.3 86.4	56 79	52.8 71.9		
																									59.8	53.2	
420	Ot B BV																					58.7 82.5	58.8 81.4	51.7 74.1	48.6 69.4		
																									58.6	51.9	
430	Ot B BV																						54.6 76.6	47.8 69.3	44.5 66.7		
																									57.4	50.8	
440	Ot B BV																						50.7 72	43.9 64.6	41.5 62.5		
																									56.1	49.7	
450	Ot B BV																							40.5 60.2	38.5 58.2		
																									53.9	48.6	
460	Ot B BV																								35.6 54		
																									50.5	47.3	
470	Ot B BV																								32.9 50.1		
																									47.1	44.9	
480	Ot B BV																										
																									43.9	42.4	
490	Ot B BV																										
																									41	39.9	
500	Ot B BV																										
																											37.3

Lifting heights

Hauteurs de levage

HSLDB/HSLDBV



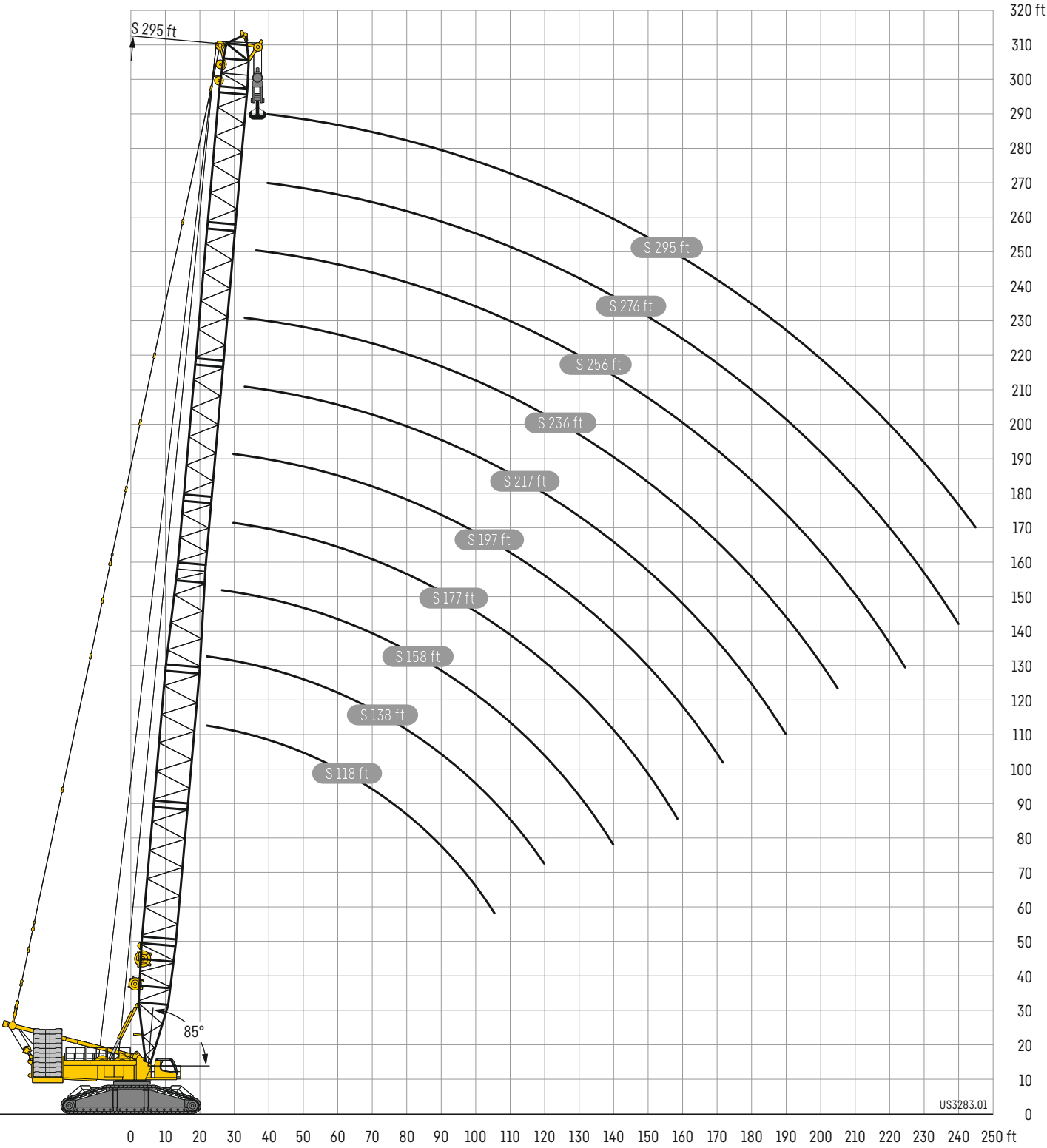


S 118 – 295											
ft	118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	ft
22	1429										22
24	1360	1367									24
26	1275	1270	1250								26
28	1181	1175	1164	1140							28
30	1097	1090	1078	1050	999						30
32	1021	1007	1007	974	928	884					32
34	950	945	939	908	867	826	792				34
36	888	886	876	849	812	776	743	713			36
38	835	830	828	796	762	730	702	672	638		38
40	785	781	780	750	720	690	662	637	611	568	40
45	684	678	676	652	627	603	582	560	538	520	45
50	604	598	595	574	555	534	516	497	479	463	50
55	539	533	531	512	494	477	461	445	430	415	55
60	484	480	476	460	445	429	416	401	388	375	60
65	438	433	431	416	403	389	377	364	352	340	65
70	396	391	390	379	368	355	344	332	321	310	70
75	358	353	352	347	336	325	315	304	294	284	75
80	324	320	318	316	310	299	289	280	270	261	80
85	295	292	290	287	285	276	267	258	248	240	85
90	270	269	265	263	260	255	247	238	229	221	90
95	249	246	244	241	239	235	229	221	212	205	95
100	230	228	226	221	221	216	213	205	197	190	100
105	214	210	209	205	203	199	197	191	183	176	105
110		196	194	190	187	185	182	177	170	163	110
115		182	180	177	174	171	168	164	158	152	115
120		170	168	165	162	158	156	153	148	141	120
125			157	154	152	148	145	142	137	132	125
130			147	143	141	138	134	131	127	122	130
135			138	134	132	129	125	121	118	114	135
140			129	126	123	120	117	113	109	106	140
145				118	115	112	109	105	101	98.2	145
150				111	108	105	102	97.8	93.9	90.6	150
155				104	102	97.9	94.5	91.1	87.2	83.7	155
160					95.4	91.4	88.3	85	81	77.2	160
165					89.9	85.9	82.6	78.8	75	71.3	165
170					84.5	80.4	77	73.2	69.7	65.8	170
175						75.2	71.7	68	64.5	60.4	175
180						70.6	67.1	63.2	59.3	55.9	180
185						66.1	62.6	58.5	54.7	51.3	185
190						62	58.1	54.2	50.4	46.7	190
195							54.3	50.3	46.2	42.5	195
200							50.5	46.5	42.1	38.5	200
205							46.9	42.7	38.6	35	205
210								39.4	35.2	31.5	210
215								36.2	32	28	215
220								33	28.8	25	220
225								30.4	26	22.2	225
230									23.3	19.3	230
235									20.6	16.5	235
240									18.2	14.1	240
245										11.7	245

Lifting heights

Hauteurs de levage

S



HSDB/HSDBV/HSDBW

HS 118 – 413 ft

118 – 413 ft 	108 – 128 ft 	154,300 lb 	374,800 – 463,000 lb 	661,400 – 881,850 lb 440,900 – 659,200 lb 220,500 – 438,700 lb 0 – 218,300 lb 
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ft		HS 118 – 413 ft															
		118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft	394 ft	413 ft
24	HSDB	1353.0															
	HSDBV	1432.0															
	HSDBW	1432.0															
	HSDBW	1432.0															
26	HSDB	1252.0	1244.0														
	HSDBV	1432.0	1432.0														
	HSDBW	1432.0	1432.0														
	HSDBW	1432.0	1432.0														
28	HSDB	1152.0	1142.0	1124.0													
	HSDBV	1432.0	1432.0	1432.0													
	HSDBW	1432.0	1432.0	1432.0													
	HSDBW	1432.0	1432.0	1432.0													
30	HSDB	1062.0	1061.0	1034.0	979.0												
	HSDBV	1432.0	1432.0	1430.0	1432.0												
	HSDBW	1432.0	1432.0	1432.0	1432.0												
	HSDBW	1432.0	1432.0	1432.0	1432.0												
32	HSDB	987.0	980.0	962.0	901.0	877.0											
	HSDBV	1431.0	1432.0	1430.0	1432.0	1432.0											
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0											
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0											
34	HSDB	919.0	918.0	887.0	845.0	817.0	870.0										
	HSDBV	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0										
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0										
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0										
36	HSDB	860.0	855.0	829.0	784.0	765.0	821.0	790.0									
	HSDBV	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0	1352.0									
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0	1396.0									
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0	1397.0									
38	HSDB	807.0	804.0	771.0	739.0	716.0	775.0	745.0	713.0								
	HSDBV	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0	1351.0	1207.0								
	HSDBW	1432.0	1430.0	1432.0	1432.0	1432.0	1432.0	1392.0	1243.0								
	HSDBW	1432.0	1430.0	1432.0	1429.0	1432.0	1432.0	1396.0	1243.0								
40	HSDB	761.0	754.0	728.0	693.0	682.0	726.0	702.0	672.0	648.0							
	HSDBV	1432.0	1432.0	1432.0	1432.0	1431.0	1421.0	1341.0	1205.0	1074.0							
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0	1377.0	1245.0	1107.0							
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1432.0	1384.0	1245.0	1109.0							
45	HSDB	666.0	658.0	628.0	598.0	590.0	636.0	617.0	592.0	574.0	549.0	536.0					
	HSDBV	1395.0	1388.0	1373.0	1354.0	1359.0	1349.0	1282.0	1196.0	1070.0	955.0	854.0					
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1390.0	1321.0	1236.0	1107.0	986.0	878.0					
	HSDBW	1432.0	1432.0	1432.0	1432.0	1432.0	1398.0	1329.0	1239.0	1109.0	987.0	879.0	781.0				
50	HSDB	587.0	575.0	550.0	528.0	520.0	565.0	543.0	527.0	508.0	493.0	472.0	463.0	445.0	429.0		
	HSDBV	1264.0	1252.0	1238.0	1228.0	1270.0	1275.0	1214.0	1155.0	1065.0	950.0	850.0	759.0	678.0	604.0		
	HSDBW	1432.0	1429.0	1431.0	1429.0	1372.0	1321.0	1258.0	1195.0	1106.0	986.0	879.0	782.0	697.0			
	HSDBW	1432.0	1431.0	1432.0	1432.0	1376.0	1326.0	1265.0	1201.0	1110.0	988.0	881.0	782.0	697.0	618.0		
55	HSDB	522.0	510.0	488.0	468.0	461.0	502.0	487.0	468.0	458.0	441.0	425.0	414.0	400.0	386.0	378.0	365.0
	HSDBV	1146.0	1139.0	1129.0	1116.0	1187.0	1198.0	1156.0	1103.0	1043.0	944.0	846.0	755.0	677.0	604.0	540.0	481.0
	HSDBW	1428.0	1427.0	1402.0	1352.0	1289.0	1247.0	1200.0	1143.0	1080.0	986.0	880.0	782.0	697.0	619.0	552.0	491.0
	HSDBW	1428.0	1426.0	1404.0	1355.0	1293.0	1252.0	1206.0	1150.0	1086.0	988.0	881.0	783.0	697.0	620.0	552.0	491.0
60	HSDB	469.0	455.0	438.0	418.0	414.0	450.0	439.0	423.0	411.0	398.0	384.0	373.0	362.0	348.0	338.0	330.0
	HSDBV	1048.0	1041.0	1033.0	1024.0	1114.0	1121.0	1097.0	1054.0	1003.0	939.0	842.0	752.0	674.0	602.0	538.0	479.0
	HSDBW	1348.0	1335.0	1307.0	1267.0	1216.0	1180.0	1146.0	1098.0	1041.0	967.0	880.0	782.0	696.0	619.0	552.0	491.0
	HSDBW	1352.0	1334.0	1309.0	1269.0	1221.0	1182.0	1149.0	1103.0	1044.0	965.0	881.0	783.0	697.0	620.0	552.0	491.0
65	HSDB	422.0	410.0	394.0	377.0	374.0	409.0	397.0	382.0	372.0	360.0	350.0	341.0	330.0	319.0	308.0	300.0
	HSDBV	964.0	957.0	953.0	942.0	1035.0	1042.0	1028.0	999.0	961.0	911.0	838.0	749.0	671.0	599.0	536.0	479.0
	HSDBW	1241.0	1234.0	1221.0	1186.0	1150.0	1118.0	1086.0	1046.0	995.0	919.0	849.0	782.0	696.0	619.0	552.0	491.0
	HSDBW	1244.0	1236.0	1224.0	1188.0	1150.0	1123.0	1090.0	1051.0	995.0	919.0	849.0	782.0	697.0	620.0	552.0	491.0
70	HSDB	378.0	372.0	359.0	343.0	338.0	372.0	360.0	350.0	340.0	328.0	320.0	310.0	302.0	289.0	279.0	273.0
	HSDBV	894.0	888.0	884.0	876.0	958.0	968.0	955.0	944.0	921.0	878.0	828.0	745.0	668.0	596.0	533.0	477.0
	HSDBW	1140.0	1146.0	1142.0	1120.0	1077.0	1058.0	1033.0	1002.0	949.0	876.0	812.0	764.0	696.0	619.0	551.0	490.0
	HSDBW	1143.0	1149.0	1145.0	1122.0	1079.0	1061.0	1035.0	1007.0	950.0	876.0	812.0	761.0	696.0	618.0	551.0	490.0
75	HSDB	340.0	336.0	326.0	312.0	309.0	340.0	331.0	319.0	310.0	299.0	290.0	282.0	274.0	263.0	256.0	249.0
	HSDBV	832.0	825.0	818.0	814.0	896.0	902.0	895.0	881.0	870.0	843.0	803.0	742.0	665.0	594.0	531.0	475.0
	HSDBW	1041.0	1067.0	1059.0	1051.0	1021.0	999.0	985.0	956.0	906.0	838.0	775.0	733.0	684.0	618.0	551.0	490.0
	HSDBW	1043.0	1070.0	1062.0	1053.0	1022.0	1002.0	986.0	960.0	906.0	837.0	775.0	732.0	683.0	619.0	551.0	490.0
80	HSDB	310.0	304.0	300.0	287.0	283.0	312.0	303.0	294.0	284.0	274.0	267.0	258.0	252.0	241.0	235.0	228.0
	HSDBV	780.0	771.0	766.0	760.0	837.0	844.0	838.0	829.0	816.0	799.0	771.0	732.0	659.0	589.0	525.0	470.0
	HSDBW	957.0	1000.0	994.0	988.0	967.0	947.0	934.0	914.0	866.0	804.0	745.0	706.0	663.0	612.0	550.0	489.0
	HSDBW	956.0	1002.0	997.0	990.0	967.0	949.0	934.0	918.0	866.0	802.0	744.0	705.0	662.0	613.0	550.0	490.0
85	HSDB	281.0	277.0	274.0	264.0	260.0	287.0	279.0	270.0	261.0	252.0	244.0	239.0	232.0	221.0	214.0	207.0
	HSDBV	729.0	724.0	718.0	712.0	783.0	794.0	785.0	779.0	768.0	750.0	730.0	707.0	653.0	583.0	519.0	466.0
	HSDBW	876.0	938.0	933.0	926.0	912.0	899.0	885.0	871.0	830.0	771.0	717.0	684.0	640.0	600.0	549.0	487.0
	HSDBW	873.0	940.0	935.0	929.0	912.0	901.0	886.0	873.0	831.0	770.0	715.0	681.0	640.0	600.0	549.0	488.0
90	HSDB	258.0	254.0	249.0	242.0	239.0	264.0	258.0	249.0	242.0	233.0	226.0	220.0	214.0	204.0	198.0	190.0
	HSDBV	686.0	681.0	675.0	668.0	735.0	744.0	740.0	731.0	728.0	708.0	692.0	676.0	642.0	577.0	512.0	460.0
	HSDBW	805.0	876.0	879.0	871.0	857.0	850.0	841.0	829.0	802.0	744.0	691.0	661.0	620.0	583.0	544.0	485.0
	HSDBW	803.0	878.0	881.0	873.0	859.0	851.0	842.0	829.0	803.0	743.0	690.0	659.0	619.0	583.0	544.0	485.0
95	HSDB	236.0	232.0	229.0	224.0	222.0	246.0	239.0	230.0	224.0	215.0	209.0	203.0	196.0	188.0	181.0	175.0
	HSDBV	646.0	640.0	636.0	630.0	695.0	703.0	699.0	692.0	686.0	672.0	656.0	642.0	616.0	570.0	505.0	454.0
	HSDBW	737.0	814														

HSDB/HSDBV/HSDBW

HS 118 – 413 ft

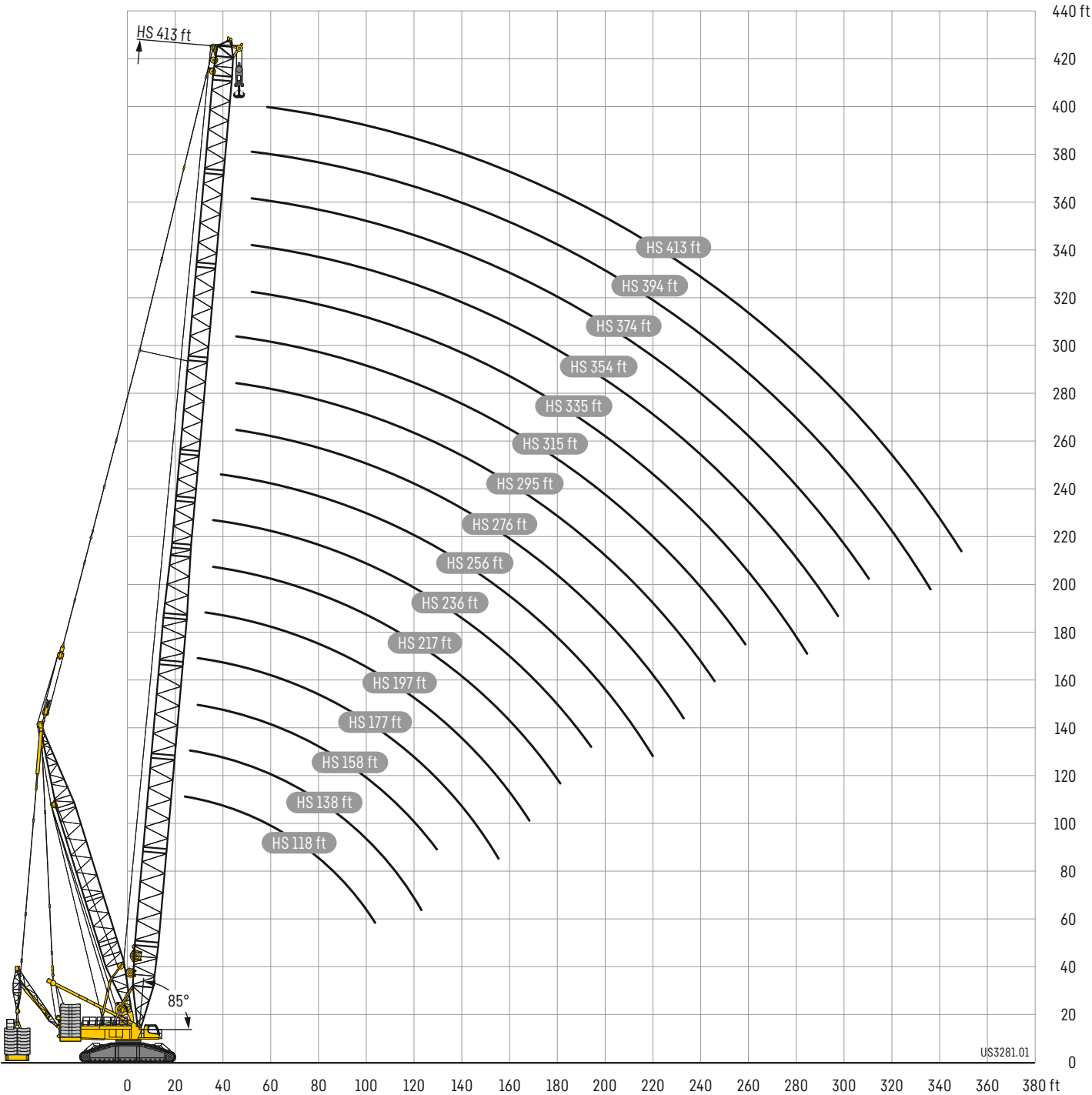
118 – 413 ft HS	108 – 128 ft D	154,300 lb	374,800 – 463,000 lb	661,400 – 881,850 lb 440,900 – 659,200 lb 220,500 – 438,700 lb 0 – 218,300 lb
B BV BW				

ft		HS 118 – 413 ft													
		118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft
150	HSDB HSDBV HSDBW				98.0 372.0 456.0	97.8 413.0 482.0	112.0 412.0 476.0	111.0 412.0 476.0	106.0 406.0 469.0	101.0 404.0 465.0	94.5 396.0 462.0	90.6 391.0 457.0	85.9 385.0 448.0	82.6 380.0 439.0	75.0 371.0 421.0
160	HSDB HSDBV HSDBW					85.0 382.0 444.0	97.0 377.0 436.0	96.4 377.0 437.0	92.4 373.0 432.0	87.8 371.0 428.0	81.7 365.0 425.0	77.3 359.0 421.0	73.0 355.0 415.0	69.7 350.0 409.0	62.2 340.0 398.0
170	HSDB HSDBV HSDBW					74.4 356.0 411.0	85.3 350.0 404.0	83.9 348.0 406.0	80.1 344.0 400.0	75.8 342.0 399.0	70.2 337.0 395.0	65.9 332.0 393.0	61.8 328.0 389.0	58.3 324.0 384.0	51.1 314.0 379.0
180	HSDB HSDBV HSDBW						74.8 324.0 376.0	73.2 322.0 374.0	69.3 318.0 371.0	65.7 315.0 366.0	59.7 312.0 364.0	55.5 308.0 360.0	51.5 303.0 356.0	47.9 298.0 351.0	41.1 291.0 346.0
190	HSDB HSDBV HSDBW						65.9 302.0 351.0	63.8 300.0 349.0	59.4 295.0 344.0	56.6 292.0 341.0	50.4 287.0 337.0	46.4 286.0 335.0	42.1 281.0 330.0	39.1 277.0 328.0	31.9 269.0 321.0
200	HSDB HSDBV HSDBW							55.8 279.0 326.0	50.9 275.0 322.0	47.6 271.0 316.0	42.3 267.0 314.0	38.1 265.0 312.0	34.2 262.0 309.0	31.0 258.0 306.0	24.1 251.0 300.0
210	HSDB HSDBV HSDBW								43.4 256.0 301.0	40.3 253.0 296.0	35.1 249.0 293.0	30.9 246.0 291.0	26.6 244.0 287.0	23.4 240.0 285.0	16.7 233.0 281.0
220	HSDB HSDBV HSDBW								36.9 240.0 282.0	33.0 235.0 277.0	28.5 232.0 274.0	24.1 229.0 271.0	19.9 226.0 268.0	16.7 225.0 267.0	12.8 217.0 262.0
230	HSDB HSDBV HSDBW									27.1 221.0 260.0	22.6 216.0 257.0	18.2 214.0 254.0	14.0 212.0 251.0	11.7 209.0 248.0	8.5 203.0 245.0
240	HSDB HSDBV HSDBW									21.7 207.0 245.0	17.2 202.0 241.0	12.8 200.0 239.0	9.9 197.0 234.0	7.7 195.0 233.0	5.5 189.0 229.0
250	HSDB HSDBV HSDBW										12.2 190.0 227.0	9.9 187.0 224.0	7.7 184.0 220.0	5.5 182.0 218.0	3.3 177.0 215.0
260	HSDB HSDBV HSDBW											175.0 211.0 212.0	172.0 207.0 208.0	170.0 204.0 205.0	165.0 201.0 202.0
270	HSDB HSDBV HSDBW											164.0 199.0 199.0	161.0 194.0 195.0	159.0 192.0 193.0	154.0 188.0 189.0
280	HSDB HSDBV HSDBW												151.0 183.0 184.0	148.0 180.0 181.0	144.0 177.0 178.0
285	HSDB HSDBV HSDBW												146.0 178.0 178.0	144.0 175.0 176.0	139.0 172.0 172.0
290	HSDB HSDBV HSDBW												142.0 173.0 173.0	139.0 170.0 171.0	135.0 166.0 167.0
295	HSDB HSDBV HSDBW													135.0 165.0 166.0	130.0 161.0 162.0
300	HSDB HSDBV HSDBW													131.0 160.0 161.0	126.0 156.0 157.0
310	HSDB HSDBV HSDBW														117.0 147.0 148.0
320	HSDB HSDBV HSDBW														110.0 139.0 139.0
330	HSDB HSDBV HSDBW														100.0 128.0 129.0
340	HSDB HSDBV HSDBW														93.5 121.0 121.0
350	HSDB HSDBV HSDBW														83.1 110.0 110.0

Lifting heights

Hauteurs de levage

HSDB/HSDBV/HSDBW



H2DB/H2DBV/H2DBW

H2 108 – 226 ft

108 – 226 ft



128 ft



154,300 lb



374,800 – 463,000 lb



B BV BW



661,400 – 881,850 lb

330,700 – 659,200 lb

110,000 – 328,500 lb

 ft		H2 108 – 226 ft						
		108 ft	128 ft	148 ft	167 ft	187 ft	207 ft	226 ft
22	B	1763						
	BV	1763						
	BW	1763						
24	B	1763	1763					
	BV	1763	1763					
	BW	1763	1763					
26	B	1763	1763	1763				
	BV	1763	1763	1763				
	BW	1763	1763	1763				
28	B	1763	1763	1763	1763			
	BV	1763	1763	1763	1763			
	BW	1763	1763	1763	1763			
30	B	1763	1763	1763	1763	1715		
	BV	1763	1763	1763	1763	1763		
	BW	1763	1763	1763	1763	1763		
32	B	1763	1763	1763	1756	1668	1610	
	BV	1763	1763	1763	1763	1762		
	BW	1763	1763	1763	1763	1763	1652	
34	B	1758	1758	1761	1712	1620	1577	1440
	BV	1759	1763	1763	1763	1736		
	BW	1753	1763	1763	1763	1743	1621	1486
36	B	1724	1719	1704	1658	1573	1540	1433
	BV	1742	1753	1763	1759	1695	1577	
	BW	1721	1759	1763	1763	1702	1586	1479
38	B	1653	1639	1623	1596	1526	1503	1415
	BV	1708	1722	1747	1741	1654	1544	1452
	BW	1699	1745	1758	1752	1660	1552	1459
40	B	1575	1561	1547	1526	1484	1467	1389
	BV	1658	1703	1721	1702	1613	1510	1425
	BW	1680	1720	1728	1708	1618	1518	1433
45	B	1405	1393	1382	1366	1348	1378	1317
	BV	1600	1610	1630	1589	1513	1425	1359
	BW	1609	1651	1650	1593	1519	1432	1366
50	B	1267	1254	1247	1234	1219	1294	1245
	BV	1536	1548	1533	1485	1419	1344	1291
	BW	1562	1551	1535	1488	1424	1350	1297
55	B	1150	1144	1135	1123	1110	1214	1177
	BV	1468	1441	1422	1387	1332	1268	1225
	BW	1468	1443	1424	1390	1335	1273	1231
60	B	1053	1046	1041	1030	1018	1132	1111
	BV	1328	1339	1326	1297	1253	1197	1162
	BW	1327	1341	1328	1299	1255	1200	1167
65	B	969	963	958	950	940	1047	1035
	BV	1197	1241	1234	1212	1176	1129	1100
	BW	1197	1245	1237	1214	1178	1133	1105
70	B	899	892	885	880	870	975	964
	BV	1085	1152	1143	1134	1105	1065	1044
	BW	1085	1154	1146	1136	1107	1068	1048
75	B	837	829	824	818	810	906	900
	BV	987	1071	1066	1059	1042	1004	990
	BW	987	1073	1069	1061	1045	1006	993
80	B	782	775	770	763	756	850	840
	BV	899	995	998	990	981	953	936
	BW	899	995	1000	992	984	955	938
85	B	732	728	721	715	707	798	791
	BV	819	920	937	931	921	903	890
	BW	819	919	939	933	923	905	892
90	B	690	684	679	672	665	749	745
	BV	748	848	883	876	868	854	846
	BW	747	847	885	878	870	856	848
95	B	649	645	641	632	627	705	702
	BV	678	784	831	826	820	807	802
	BW	679	783	832	828	822	809	804
100	B		610	605	598	591	668	663
	BV		724	780	783	775	765	760
	BW		724	780	785	777	767	761
105	B		578	574	568	560	633	628
	BV		669	731	744	735	726	720
	BW		669	731	745	737	728	722
110	B		549	545	539	531	601	597
	BV		617	683	706	700	690	685
	BW		617	683	707	701	691	687

H2DB/H2DBV/H2DBW

H2 108 – 226 ft

108 – 226 ft
H2

128 ft
D

154,300 lb

374,800 – 463,000 lb

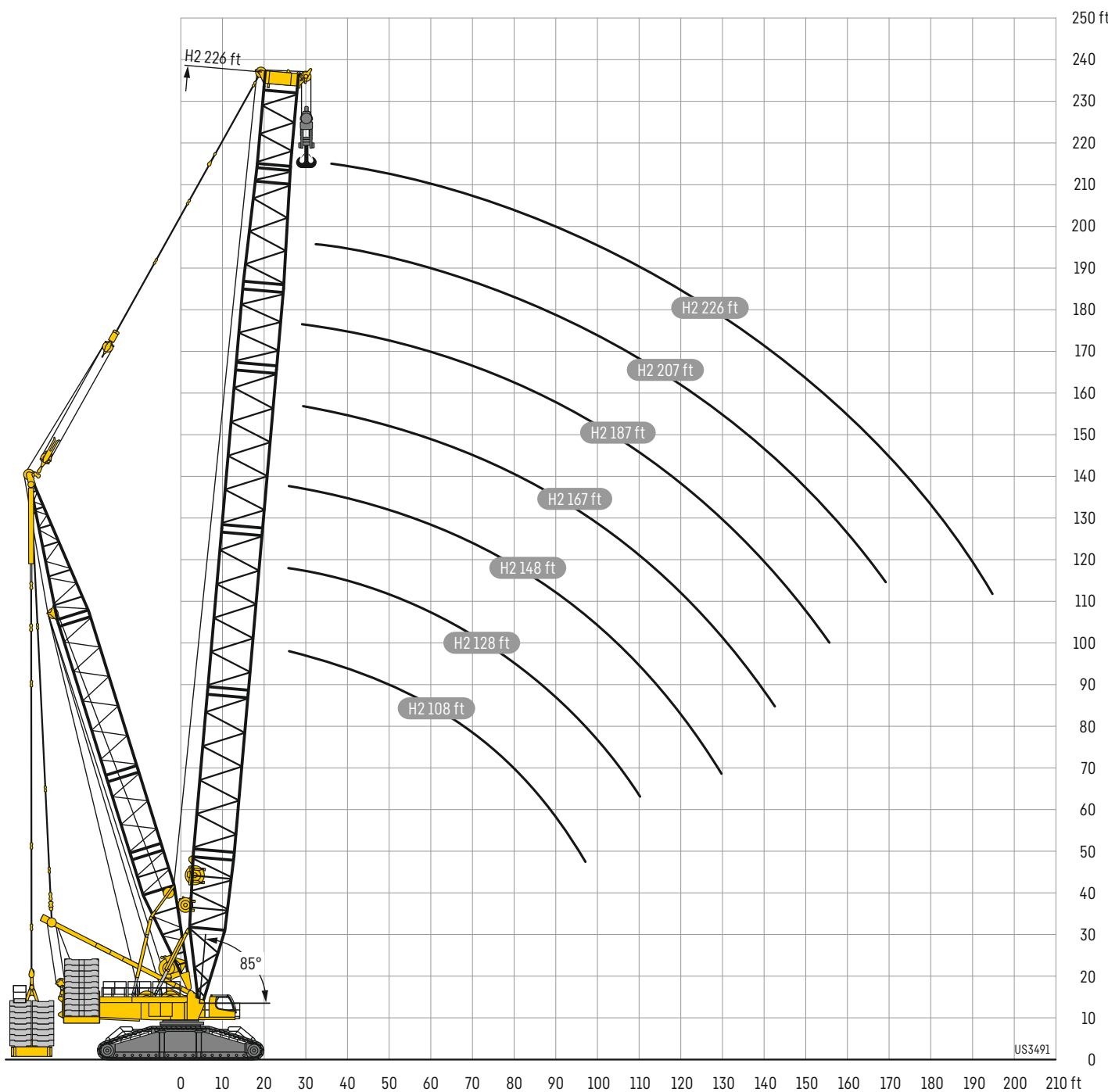
661,400 – 881,850 lb
330,700 – 659,200 lb
B BV BW 110,000 – 328,500 lb

 ft		H2 108 – 226 ft						
		108 ft	128 ft	148 ft	167 ft	187 ft	207 ft	226 ft
115	B		523	519	512	506	571	567
	BV		566	639	669	667	656	652
	BW		566	639	669	669	657	654
120	B			495	488	482	544	540
	BV			598	632	638	626	622
	BW			597	632	639	627	623
125	B			472	465	459	519	515
	BV			557	595	608	597	593
	BW			557	596	609	599	595
130	B			452	445	439	497	492
	BV			517	562	579	571	566
	BW			517	563	580	572	568
135	B				426	420	474	471
	BV				530	550	544	541
	BW				530	550	546	543
140	B				409	402	453	451
	BV				498	522	520	518
	BW				498	522	522	520
145	B				392	386	434	431
	BV				468	497	499	496
	BW				467	497	500	498
150	B					371	415	412
	BV					472	478	475
	BW					471	479	476
155	B					356	398	395
	BV					447	459	456
	BW					446	460	457
160	B					343	383	379
	BV					422	441	438
	BW					421	442	440
165	B					331	368	364
	BV					398	424	421
	BW					397	425	422
170	B						354	350
	BV						409	405
	BW						410	406
175	B						341	337
	BV						394	391
	BW						395	392
180	B						329	325
	BV						380	376
	BW						381	378
185	B							313
	BV							363
	BW							365
190	B							302
	BV							351
	BW							352
195	B							292
	BV							340
	BW							341
200	B							282
	BV							329
	BW							330

Lifting heights

Hauteurs de levage

H2DB/H2DBV/H2DBW





 ft	S 118 ft																				 ft	
	W1 59 ft		W1 79 ft		W1 98 ft		W1 118 ft		W1 158 ft		W1 197 ft		W1 236 ft		W1 276 ft		W1 295 ft		W1 315 ft			W1 335 ft
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
34	961.0 ^(A)	961.0 ⁽¹¹⁾																				
36	903.0 ^(A)	904.0 ⁽¹¹⁾																				
38	852.0 ^(A)	846.0 ⁽¹¹⁾	813.0 ^(A)	813.0 ^(A)																		
40	807.0 ^(A)	806.0 ⁽²⁾	771.0 ^(A)	772.0 ⁽¹¹⁾																		
45	710.0 ^(A)	709.0 ⁽³⁾	682.0 ^(A)	682.0 ^(A)	659.0 ^(A)	658.0 ⁽¹¹⁾																
50	634.0 ^(A)	630.0 ⁽⁴⁾	610.0 ^(A)	604.0 ⁽¹¹⁾	590.0 ^(A)	590.0 ^(A)	569.0 ^(A)	569.0 ^(A)														
55	571.0 ^(A)	567.0 ⁽⁵⁾	551.0 ^(A)	547.0 ⁽³⁾	534.0 ^(A)	532.0 ⁽²⁾	517.0 ^(A)	517.0 ^(A)														
60	517.0 ^(A)	516.0 ⁽⁷⁾	502.0 ^(A)	499.0 ⁽⁴⁾	487.0 ^(A)	487.0 ⁽³⁾	473.0 ^(A)	472.0 ⁽²⁾	443.0 ^(A)	443.0 ^(A)												
65	468.0 ^(A)	468.0 ⁽⁹⁾	462.0 ^(A)	459.0 ⁽³⁾	448.0 ^(A)	448.0 ^(A)	435.0 ^(A)	435.0 ^(A)	408.0 ^(A)	408.0 ^(A)												
70	432.0 ^(A)	432.0 ⁽¹¹⁾	426.0 ^(A)	424.0 ⁽⁴⁾	413.0 ^(A)	411.0 ⁽⁴⁾	402.0 ^(A)	401.0 ⁽³⁾	378.0 ^(A)	378.0 ^(A)	360.0 ^(A)	360.0 ^(A)										
75	393.0 ^(B)	392.0 ⁽¹¹⁾	396.0 ^(A)	393.0 ⁽⁷⁾	384.0 ^(A)	384.0 ⁽⁵⁾	374.0 ^(A)	374.0 ^(A)	352.0 ^(A)	350.0 ⁽²⁾	336.0 ^(A)	336.0 ^(A)										
80		358.0 ⁽¹¹⁾	370.0 ^(A)	366.0 ⁽⁸⁾	358.0 ^(A)	358.0 ^(A)	348.0 ^(A)	346.0 ⁽⁴⁾	328.0 ^(A)	328.0 ^(A)	313.0 ^(A)	313.0 ^(A)	198.0 ^(A)	198.0 ^(A)								
85		328.0 ⁽¹¹⁾	344.0 ^(A)	343.0 ⁽¹⁰⁾	336.0 ^(A)	336.0 ^(A)	326.0 ^(A)	326.0 ^(A)	308.0 ^(A)	308.0 ⁽³⁾	294.0 ^(A)	294.0 ^(A)	276.0 ^(A)	276.0 ^(A)								
90		301.0 ⁽¹¹⁾	320.0 ^(A)	318.0 ⁽¹¹⁾	316.0 ^(A)	316.0 ^(A)	307.0 ^(A)	307.0 ^(A)	290.0 ^(A)	290.0 ^(A)	276.0 ^(A)	274.0 ⁽²⁾	259.0 ^(A)	259.0 ^(A)								
95		275.0 ⁽¹¹⁾	296.0 ^(B)	294.0 ⁽¹¹⁾	298.0 ^(A)	298.0 ^(A)	289.0 ^(A)	288.0 ⁽⁶⁾	273.0 ^(A)	273.0 ^(A)	260.0 ^(A)	260.0 ^(A)	244.0 ^(A)	244.0 ^(A)	232.0 ^(A)	232.0 ^(A)						
100		251.0 ⁽¹⁰⁾		270.0 ⁽¹¹⁾	281.0 ^(A)	279.0 ⁽⁹⁾	273.0 ^(A)	273.0 ^(A)	257.0 ^(A)	256.0 ⁽⁴⁾	246.0 ^(A)	246.0 ^(A)	230.0 ^(A)	230.0 ⁽²⁾	219.0 ^(A)	219.0 ^(A)	212.0 ^(A)	212.0 ^(A)				
105		230.0 ⁽¹⁰⁾		247.0 ⁽¹¹⁾	263.0 ^(A)	263.0 ⁽¹¹⁾	259.0 ^(A)	259.0 ^(A)	244.0 ^(A)	244.0 ^(A)	232.0 ^(A)	231.0 ⁽³⁾	218.0 ^(A)	216.0 ⁽²⁾	207.0 ^(A)	207.0 ^(A)	200.0 ^(A)	200.0 ^(A)	191.0 ^(A)	191.0 ^(A)		
110		210.0 ⁽⁹⁾		228.0 ⁽¹¹⁾	247.0 ^(A)	247.0 ^(A)	246.0 ^(A)	246.0 ^(A)	231.0 ^(A)	230.0 ⁽⁵⁾	220.0 ^(A)	220.0 ^(A)	207.0 ^(A)	207.0 ^(A)	196.0 ^(A)	196.0 ^(A)	190.0 ^(A)	190.0 ^(A)	181.0 ^(A)	181.0 ^(A)	174.0 ^(A)	174.0 ^(A)
115		193.0 ⁽⁹⁾		210.0 ⁽¹¹⁾	229.0 ^(B)	229.0 ^(B)	232.0 ^(A)	231.0 ⁽⁹⁾	220.0 ^(A)	220.0 ^(A)	209.0 ^(A)	209.0 ^(A)	196.0 ^(A)	196.0 ^(A)	186.0 ^(A)	185.0 ⁽²⁾	180.0 ^(A)	180.0 ^(A)	171.0 ^(A)	171.0 ^(A)	165.0 ^(A)	165.0 ^(A)
120		177.0 ⁽⁸⁾		194.0 ⁽¹¹⁾	210.0 ⁽¹¹⁾	219.0 ^(A)	218.0 ⁽¹⁰⁾	209.0 ^(A)	208.0 ⁽⁶⁾	199.0 ^(A)	198.0 ⁽⁴⁾	186.0 ^(A)	186.0 ⁽³⁾	177.0 ^(A)	177.0 ^(A)	170.0 ^(A)	170.0 ⁽²⁾	162.0 ^(A)	162.0 ^(A)	156.0 ^(A)	156.0 ^(A)	
125		163.0 ⁽⁸⁾		179.0 ⁽¹¹⁾	194.0 ⁽¹¹⁾	207.0 ^(A)	206.0 ⁽¹¹⁾	200.0 ^(A)	200.0 ^(A)	190.0 ^(A)	190.0 ^(A)	177.0 ^(A)	177.0 ^(A)	168.0 ^(A)	168.0 ^(A)	162.0 ^(A)	162.0 ^(A)	154.0 ^(A)	154.0 ^(A)	148.0 ^(A)	148.0 ^(A)	
130		150.0 ⁽⁷⁾		165.0 ⁽¹⁰⁾	180.0 ⁽¹¹⁾	197.0 ^(A)	197.0 ^(A)	191.0 ^(A)	190.0 ⁽⁷⁾	181.0 ^(A)	181.0 ^(A)	169.0 ^(A)	169.0 ^(A)	160.0 ^(A)	160.0 ^(A)	154.0 ^(A)	154.0 ^(A)	146.0 ^(A)	145.0 ⁽²⁾	141.0 ^(A)	141.0 ^(A)	
135		138.0 ⁽⁷⁾		152.0 ⁽¹⁰⁾	167.0 ⁽¹¹⁾	183.0 ^(B)	183.0 ^(B)	182.0 ^(A)	182.0 ^(A)	173.0 ^(A)	171.0 ⁽⁵⁾	161.0 ^(A)	161.0 ^(A)	153.0 ^(A)	152.0 ⁽³⁾	147.0 ^(A)	147.0 ^(A)	138.0 ^(A)	138.0 ^(A)	134.0 ^(A)	134.0 ^(A)	
140		127.0 ⁽⁶⁾		140.0 ⁽⁹⁾	155.0 ⁽¹¹⁾	167.0 ⁽¹¹⁾	167.0 ⁽¹¹⁾	174.0 ^(A)	172.0 ⁽⁸⁾	166.0 ^(A)	166.0 ^(A)	154.0 ^(A)	152.0 ⁽⁴⁾	145.0 ^(A)	144.0 ⁽³⁾	140.0 ^(A)	140.0 ^(A)	132.0 ^(A)	132.0 ^(A)	127.0 ^(A)	127.0 ^(A)	
145		117.0 ⁽⁵⁾		130.0 ⁽⁹⁾	144.0 ⁽¹¹⁾		156.0 ⁽¹¹⁾	166.0 ^(A)	166.0 ^(A)	158.0 ^(A)	158.0 ^(A)	147.0 ^(A)	147.0 ^(A)	139.0 ^(A)	139.0 ^(A)	133.0 ^(A)	133.0 ⁽³⁾	125.0 ^(A)	125.0 ^(A)	120.0 ^(A)	120.0 ^(A)	
150		108.0 ⁽⁵⁾		119.0 ⁽⁸⁾	133.0 ⁽¹⁰⁾		145.0 ⁽¹¹⁾	158.0 ^(A)	158.0 ^(A)	152.0 ^(A)	152.0 ^(A)	140.0 ^(A)	140.0 ^(A)	133.0 ^(A)	133.0 ^(A)	127.0 ^(A)	127.0 ^(A)	119.0 ^(A)	119.0 ^(A)	115.0 ^(A)	115.0 ^(A)	
155				110.0 ⁽⁸⁾	123.0 ⁽¹⁰⁾		135.0 ⁽¹¹⁾	151.0 ^(A)	149.0 ⁽¹⁰⁾	146.0 ^(A)	146.0 ^(A)	135.0 ^(A)	134.0 ⁽⁵⁾	126.0 ^(A)	126.0 ^(A)	121.0 ^(A)	121.0 ^(A)	114.0 ^(A)	113.0 ⁽³⁾	109.0 ^(A)	109.0 ^(A)	
160				102.0 ⁽⁷⁾	114.0 ⁽⁹⁾		126.0 ⁽¹¹⁾	144.0 ^(A)	143.0 ⁽¹¹⁾	140.0 ^(A)	140.0 ^(A)	129.0 ^(A)	129.0 ^(A)	121.0 ^(A)	120.0 ⁽⁴⁾	116.0 ^(A)	116.0 ^(A)	109.0 ^(A)	109.0 ^(A)	104.0 ^(A)	104.0 ⁽³⁾	
165				93.2 ⁽⁶⁾	105.0 ⁽⁹⁾		117.0 ⁽¹¹⁾	138.0 ^(A)	138.0 ^(A)	134.0 ^(A)	134.0 ^(A)	124.0 ^(A)	124.0 ^(A)	116.0 ^(A)	116.0 ^(A)	111.0 ^(A)	111.0 ^(A)	104.0 ^(A)	104.0 ^(A)	98.7 ^(A)	97.8 ⁽³⁾	
170				85.9 ⁽⁶⁾	96.8 ⁽⁸⁾		108.0 ⁽¹⁰⁾	132.0 ^(A)	132.0 ^(A)	128.0 ^(A)	127.0 ⁽⁸⁾	119.0 ^(A)	118.0 ⁽⁶⁾	111.0 ^(A)	111.0 ^(A)	106.0 ^(A)	106.0 ^(A)	98.8 ^(A)	98.8 ^(A)	94.5 ^(A)	94.5 ^(A)	
175					88.8 ⁽⁷⁾		100.0 ⁽¹⁰⁾	123.0 ^(B)	123.0 ^(B)	122.0 ^(A)	122.0 ^(A)	114.0 ^(A)	114.0 ^(A)	107.0 ^(A)	107.0 ^(A)	101.0 ^(A)	101.0 ^(A)	94.4 ^(A)	94.4 ^(A)	89.8 ^(A)	89.8 ^(A)	
180					82.1 ⁽⁷⁾		92.4 ⁽⁹⁾	110.0 ⁽¹¹⁾	117.0 ^(A)	110.0 ^(A)	110.0 ^(A)	110.0 ^(A)	110.0 ^(A)	102.0 ^(A)	102.0 ^(A)	97.1 ^(A)	97.1 ^(A)	90.1 ^(A)	90.1 ^(A)	85.6 ^(A)	85.6 ^(A)	
185					75.2 ⁽⁶⁾		85.3 ⁽⁹⁾	106.0 ⁽³⁾	112.0 ^(A)	112.0 ^(A)	105.0 ^(A)	105.0 ⁽⁷⁾	98.3 ^(A)	98.3 ^(A)	93.3 ^(A)	93.3 ^(A)	85.9 ^(A)	85.9 ^(A)	81.5 ^(A)	81.5 ^(A)		
190					69.2 ⁽⁶⁾		78.2 ⁽⁸⁾	96.9 ⁽¹¹⁾	107.0 ^(A)	107.0 ^(A)	101.0 ^(A)	101.0 ^(A)	94.2 ^(A)	94.2 ^(A)	89.3 ^(A)	88.5 ⁽⁵⁾	82.1 ^(A)	82.1 ^(A)	77.8 ^(A)	76.8 ⁽⁴⁾		
195							71.4 ⁽⁷⁾	91.7 ⁽¹⁰⁾	103.0 ^(A)	102.0 ⁽¹¹⁾	96.7 ^(A)	96.7 ^(A)	90.3 ^(A)	90.3 ^(A)	85.4 ^(A)	85.4 ^(A)	78.4 ^(A)	78.4 ^(A)	74.2 ^(A)	74.2 ^(A)		
200							66.1 ⁽⁷⁾	83.7 ⁽¹¹⁾	98.8 ^(A)	92.9 ^(A)	82.9 ^(A)	82.9 ^(A)	80.0 ^(A)	80.0 ^(A)	75.6 ^(A)	75.6 ^(A)	70.9 ^(A)	70.9 ^(A)	66.1 ^(A)	66.1 ^(A)		
205							60.3 ⁽⁶⁾	77.1 ⁽¹¹⁾	95.3 ^(A)	95.3 ^(A)	88.3 ^(A)	88.3 ^(A)	83.4 ^(A)	83.4 ^(A)	78.6 ^(A)	78.6 ^(A)	71.8 ^(A)	71.8 ^(A)	67.4 ^(A)	67.4 ^(A)		
210							55.4 ⁽⁶⁾	71.5 ⁽¹¹⁾	92.1 ^(A)	92.1 ^(A)	84.0 ^(A)	84.0 ⁽⁹⁾	80.0 ^(A)	80.0 ^(A)	75.6 ^(A)	74.7 ⁽⁶⁾	68.5 ^(A)	68.5 ^(A)	64.5 ^(A)	64		



 ft	S 138 ft																				 ft				
	W1 59 ft		W1 79 ft		W1 98 ft		W1 118 ft		W1 158 ft		W1 197 ft		W1 236 ft		W1 276 ft		W1 295 ft		W1 315 ft			W1 335 ft			
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax		87/85*	Wmax		
34	910.0 ^(A)	910.0 ^(A)																					34		
36	859.0 ^(A)	860.0 ⁽¹⁾																					36		
38	811.0 ^(A)	810.0 ⁽¹⁾																					38		
40	770.0 ^(A)	769.0 ⁽²⁾	739.0 ^(A)	739.0 ^(A)																			40		
45	680.0 ^(A)	680.0 ⁽³⁾	655.0 ^(A)	655.0 ^(A)	631.0 ^(A)	631.0 ^(A)																	45		
50	609.0 ^(A)	607.0 ⁽⁴⁾	588.0 ^(A)	584.0 ⁽²⁾	567.0 ^(A)	567.0 ^(A)	430.0 ^(A)	430.0 ^(A)															50		
55	550.0 ^(A)	548.0 ⁽⁵⁾	533.0 ^(A)	531.0 ⁽³⁾	516.0 ^(A)	514.0 ⁽²⁾	499.0 ^(A)	499.0 ^(A)															55		
60	503.0 ^(A)	502.0 ⁽⁷⁾	486.0 ^(A)	485.0 ⁽⁴⁾	470.0 ^(A)	470.0 ^(A)	456.0 ^(A)	456.0 ⁽²⁾															60		
65	462.0 ^(A)	459.0 ⁽⁸⁾	447.0 ^(A)	446.0 ⁽⁵⁾	433.0 ^(A)	429.0 ⁽³⁾	420.0 ^(A)	416.0 ⁽²⁾	397.0 ^(A)	397.0 ^(A)													65		
70	428.0 ^(A)	425.0 ⁽¹⁰⁾	414.0 ^(A)	413.0 ⁽⁴⁾	400.0 ^(A)	399.0 ^(A)	389.0 ^(A)	389.0 ⁽³⁾	369.0 ^(A)	369.0 ^(A)													70		
75	388.0 ⁽⁸⁾	390.0 ⁽¹¹⁾	385.0 ^(A)	383.0 ⁽⁷⁾	372.0 ^(A)	372.0 ^(A)	361.0 ^(A)	361.0 ^(A)	343.0 ^(A)	342.0 ⁽²⁾	325.0 ^(A)	325.0 ^(A)											75		
80		358.0 ⁽¹¹⁾	360.0 ^(A)	357.0 ⁽⁸⁾	348.0 ^(A)	348.0 ^(A)	338.0 ^(A)	336.0 ⁽⁴⁾	322.0 ^(A)	322.0 ^(A)	303.0 ^(A)	303.0 ^(A)											80		
85		327.0 ⁽¹¹⁾	338.0 ^(A)	338.0 ^(A)	326.0 ^(A)	323.0 ⁽⁶⁾	316.0 ^(A)	316.0 ^(A)	301.0 ^(A)	301.0 ^(A)	285.0 ^(A)	285.0 ^(A)	268.0 ^(A)	268.0 ^(A)									85		
90		297.0 ⁽¹¹⁾	318.0 ^(A)	316.0 ⁽¹¹⁾	307.0 ^(A)	305.0 ⁽⁷⁾	298.0 ^(A)	295.0 ⁽⁵⁾	283.0 ^(A)	281.0 ⁽³⁾	268.0 ^(A)	266.0 ⁽²⁾	252.0 ^(A)	252.0 ^(A)									90		
95		273.0 ⁽¹¹⁾	293.0 ⁽⁸⁾	291.0 ⁽¹¹⁾	289.0 ^(A)	288.0 ⁽⁸⁾	281.0 ^(A)	280.0 ⁽⁶⁾	267.0 ^(A)	267.0 ^(A)	252.0 ^(A)	252.0 ^(A)	237.0 ^(A)	237.0 ^(A)	226.0 ^(A)	226.0 ^(A)							95		
100		249.0 ⁽¹¹⁾		270.0 ⁽¹¹⁾	274.0 ^(A)	272.0 ⁽⁹⁾	266.0 ^(A)	266.0 ^(A)	252.0 ^(A)	251.0 ⁽⁶⁾	238.0 ^(A)	238.0 ^(A)	224.0 ^(A)	224.0 ^(A)	213.0 ^(A)	213.0 ^(A)	205.0 ^(A)	205.0 ^(A)					100		
105		228.0 ⁽¹⁰⁾		248.0 ⁽¹¹⁾	261.0 ^(A)	261.0 ^(A)	252.0 ^(A)	252.0 ^(A)	239.0 ^(A)	239.0 ^(A)	226.0 ^(A)	225.0 ⁽³⁾	212.0 ^(A)	210.0 ⁽²⁾	202.0 ^(A)	202.0 ^(A)	194.0 ^(A)	194.0 ^(A)	185.0 ^(A)	185.0 ^(A)			105		
110		210.0 ⁽¹⁰⁾		228.0 ⁽¹¹⁾	246.0 ^(A)	246.0 ^(A)	239.0 ^(A)	238.0 ⁽⁸⁾	227.0 ^(A)	226.0 ⁽⁵⁾	214.0 ^(A)	214.0 ^(A)	201.0 ^(A)	201.0 ^(A)	191.0 ^(A)	191.0 ^(A)	184.0 ^(A)	184.0 ^(A)	176.0 ^(A)	176.0 ^(A)	167.0 ^(A)	167.0 ^(A)	110		
115		191.0 ⁽⁹⁾		210.0 ⁽¹¹⁾	227.0 ⁽⁸⁾	225.0 ⁽¹¹⁾	228.0 ^(A)	227.0 ⁽⁹⁾	216.0 ^(A)	216.0 ^(A)	204.0 ^(A)	204.0 ^(A)	190.0 ^(A)	190.0 ^(A)	181.0 ^(A)	180.0 ⁽²⁾	174.0 ^(A)	174.0 ^(A)	166.0 ^(A)	166.0 ^(A)	160.0 ^(A)	160.0 ^(A)	115		
120		176.0 ⁽⁹⁾		193.0 ⁽¹¹⁾	209.0 ⁽¹¹⁾	218.0 ^(A)	217.0 ⁽¹⁰⁾	217.0 ^(A)	206.0 ^(A)	205.0 ⁽⁶⁾	194.0 ^(A)	193.0 ⁽⁴⁾	181.0 ^(A)	181.0 ⁽³⁾	172.0 ^(A)	172.0 ^(A)	165.0 ^(A)	165.0 ^(A)	157.0 ^(A)	157.0 ^(A)	152.0 ^(A)	152.0 ^(A)	120		
125		161.0 ⁽⁹⁾		178.0 ⁽¹¹⁾	193.0 ⁽¹¹⁾	206.0 ^(A)	206.0 ⁽¹¹⁾	196.0 ^(A)	196.0 ^(A)	185.0 ^(A)	185.0 ^(A)	172.0 ^(A)	172.0 ^(A)	163.0 ^(A)	163.0 ^(A)	157.0 ^(A)	157.0 ^(A)	149.0 ^(A)	149.0 ^(A)	144.0 ^(A)	144.0 ^(A)	140.0 ^(A)	140.0 ^(A)	125	
130		148.0 ⁽⁸⁾		165.0 ⁽¹⁰⁾	179.0 ⁽¹¹⁾	195.0 ^(A)	195.0 ^(A)	188.0 ^(A)	187.0 ⁽⁷⁾	176.0 ^(A)	176.0 ^(A)	164.0 ^(A)	164.0 ^(A)	156.0 ^(A)	156.0 ^(A)	149.0 ^(A)	149.0 ^(A)	142.0 ^(A)	142.0 ^(A)	136.0 ^(A)	136.0 ^(A)	130.0 ^(A)	130.0 ^(A)	130	
135		136.0 ⁽⁸⁾		152.0 ⁽¹⁰⁾	166.0 ⁽¹¹⁾	182.0 ⁽⁸⁾	182.0 ⁽⁸⁾	179.0 ^(A)	179.0 ^(A)	168.0 ^(A)	167.0 ⁽³⁾	157.0 ^(A)	157.0 ^(A)	148.0 ^(A)	148.0 ^(A)	142.0 ^(A)	142.0 ^(A)	134.0 ^(A)	134.0 ^(A)	129.0 ^(A)	129.0 ^(A)	125.0 ^(A)	125.0 ^(A)	135	
140		125.0 ⁽⁷⁾		140.0 ⁽¹⁰⁾	153.0 ⁽¹¹⁾	166.0 ⁽¹¹⁾	166.0 ⁽¹¹⁾	172.0 ^(A)	171.0 ⁽⁸⁾	161.0 ^(A)	161.0 ^(A)	149.0 ^(A)	148.0 ^(A)	141.0 ^(A)	140.0 ⁽³⁾	135.0 ^(A)	135.0 ^(A)	128.0 ^(A)	128.0 ^(A)	122.0 ^(A)	122.0 ^(A)	118.0 ^(A)	118.0 ^(A)	140	
145		115.0 ⁽⁷⁾		129.0 ⁽¹⁰⁾	142.0 ⁽¹¹⁾	154.0 ⁽¹¹⁾	154.0 ⁽¹¹⁾	165.0 ^(A)	165.0 ^(A)	154.0 ^(A)	154.0 ^(A)	143.0 ^(A)	143.0 ^(A)	135.0 ^(A)	135.0 ^(A)	129.0 ^(A)	129.0 ⁽³⁾	121.0 ^(A)	121.0 ^(A)	116.0 ^(A)	116.0 ^(A)	112.0 ^(A)	112.0 ^(A)	145	
150		106.0 ⁽⁴⁾		119.0 ⁽⁹⁾	132.0 ⁽¹¹⁾	144.0 ⁽¹¹⁾	144.0 ⁽¹¹⁾	158.0 ^(A)	158.0 ^(A)	148.0 ^(A)	148.0 ^(A)	136.0 ^(A)	136.0 ^(A)	129.0 ^(A)	129.0 ^(A)	124.0 ^(A)	124.0 ^(A)	116.0 ^(A)	116.0 ^(A)	111.0 ^(A)	111.0 ^(A)	107.0 ^(A)	107.0 ^(A)	150	
155		96.8 ⁽⁶⁾		109.0 ⁽⁹⁾	122.0 ⁽¹⁰⁾	134.0 ⁽¹¹⁾	134.0 ⁽¹¹⁾	151.0 ^(A)	150.0 ⁽¹⁰⁾	142.0 ^(A)	142.0 ^(A)	131.0 ^(A)	130.0 ⁽⁵⁾	123.0 ^(A)	123.0 ^(A)	118.0 ^(A)	118.0 ^(A)	110.0 ^(A)	110.0 ⁽³⁾	105.0 ^(A)	105.0 ^(A)	101.0 ^(A)	101.0 ^(A)	155	
160		88.7 ⁽⁵⁾		101.0 ⁽⁸⁾	113.0 ⁽¹⁰⁾	124.0 ⁽¹¹⁾	124.0 ⁽¹¹⁾	144.0 ^(A)	144.0 ⁽¹¹⁾	136.0 ^(A)	135.0 ⁽⁷⁾	125.0 ^(A)	125.0 ^(A)	118.0 ^(A)	118.0 ^(A)	113.0 ^(A)	113.0 ^(A)	105.0 ^(A)	105.0 ^(A)	100.0 ^(A)	100.0 ^(A)	95.2 ^(A)	94.4 ⁽³⁾	160	
165		81.2 ⁽⁶⁾		92.5 ⁽⁷⁾	103.0 ⁽⁹⁾	116.0 ⁽¹¹⁾	116.0 ⁽¹¹⁾	138.0 ^(A)	138.0 ^(A)	131.0 ^(A)	131.0 ^(A)	120.0 ^(A)	120.0 ^(A)	112.0 ^(A)	112.0 ^(A)	107.0 ^(A)	107.0 ^(A)	100.0 ^(A)	100.0 ^(A)	95.2 ^(A)	95.2 ^(A)	91.1 ^(A)	91.1 ^(A)	165	
170				84.7 ⁽⁷⁾	95.5 ⁽⁹⁾	107.0 ⁽¹¹⁾	107.0 ⁽¹¹⁾	132.0 ^(A)	132.0 ^(A)	126.0 ^(A)	126.0 ⁽⁸⁾	115.0 ^(A)	115.0 ^(A)	108.0 ^(A)	108.0 ^(A)	103.0 ^(A)	103.0 ^(A)	95.3 ^(A)	95.3 ^(A)	91.1 ^(A)	91.1 ^(A)	86.6 ^(A)	86.6 ^(A)	170	
175				77.7 ⁽⁷⁾	88.0 ⁽⁹⁾	98.6 ⁽¹⁰⁾	98.6 ⁽¹⁰⁾	122.0 ⁽⁸⁾	122.0 ⁽⁸⁾	121.0 ^(A)	121.0 ^(A)	111.0 ^(A)	111.0 ^(A)	103.0 ^(A)	103.0 ^(A)	98.5 ^(A)	98.5 ^(A)	91.1 ^(A)	91.1 ^(A)	86.6 ^(A)	86.6 ^(A)	81.2 ^(A)	81.2 ^(A)	175	
180				71.0 ⁽⁶⁾	80.5 ⁽⁸⁾	91.1 ⁽¹⁰⁾	91.1 ⁽¹⁰⁾	110.0 ⁽¹¹⁾	110.0 ⁽¹¹⁾	116.0 ^(A)	115.0 ⁽⁹⁾	106.0 ^(A)	106.0 ^(A)	99.0 ^(A)	98.3 ⁽⁵⁾	94.2 ^(A)	94.2 ^(A)	86.9 ^(A)	86.9 ^(A)	82.7 ^(A)	82.7 ^(A)	78.5 ^(A)	78.5 ^(A)	180	
185				64.8 ⁽⁵⁾	73.7 ⁽⁸⁾	83.1 ⁽⁹⁾	83.1 ⁽⁹⁾	103.0 ⁽¹¹⁾	111.0 ^(A)	111.0 ^(A)	102.0 ^(A)	102.0 ^(A)	95.1 ^(A)	95.1 ^(A)	90.1 ^(A)	90.1 ^(A)	82.7 ^(A)	82.7 ^(A)	78.5 ^(A)	78.5 ^(A)	73.7 ^(A)	73.7 ^(A)	68.1 ^(A)	68.1 ^(A)	185
190				67.4 ⁽⁷⁾	76.7 ⁽⁹⁾	85.8 ⁽¹¹⁾	85.8 ⁽¹¹⁾	95.8 ⁽¹¹⁾	106.0 ^(A)	105.0 ⁽¹⁰⁾	98.3 ^(A)	98.3 ^(A)	91.3 ^(A)	91.3 ^(A)	86.3 ^(A)	86.3 ^(A)	80.8 ^(A)	80.8 ^(A)	76.0 ^(A)	76.0 ^(A)	71.3 ^(A)	71.3 ^(A)	68.1 ^(A)	68.1 ^(A)	190
195				61.7 ⁽⁷⁾	70.1 ⁽⁹⁾	79.9 ⁽¹¹⁾	79.9 ⁽¹¹⁾	89.0 ⁽¹¹⁾	102.0 ^(A)	102.0 ⁽¹¹⁾	94.7 ^(A)	94.7 ^(A)	87.6 ^(A)	87.6 ^(A)	82.7 ^(A)	82.7 ^(A)	75.7 ^(A)	75.7 ^{(A)</}							



	S 158 ft																						
	W1 59 ft		W1 79 ft		W1 98 ft		W1 118 ft		W1 158 ft		W1 197 ft		W1 236 ft		W1 276 ft		W1 295 ft		W1 315 ft		W1 335 ft		
ft	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
36	819.0 ^(A)	819.0 ^(A)																				36	
38	775.0 ^(A)	775.0 ^(A)																				38	
40	736.0 ^(A)	736.0 ^(A)																				40	
45	652.0 ^(A)	647.0 ⁽²⁾	628.0 ^(A)	628.0 ^(A)																		45	
50	586.0 ^(A)	585.0 ⁽⁴⁾	564.0 ^(A)	563.0 ⁽³⁾	547.0 ^(A)	547.0 ^(A)																50	
55	531.0 ^(A)	530.0 ⁽⁵⁾	512.0 ^(A)	512.0 ⁽³⁾	498.0 ^(A)	497.0 ⁽²⁾	482.0 ^(A)	482.0 ^(A)														55	
60	485.0 ^(A)	482.0 ⁽⁶⁾	468.0 ^(A)	468.0 ⁽⁴⁾	456.0 ^(A)	456.0 ^(A)	442.0 ^(A)	442.0 ^(A)														60	
65	447.0 ^(A)	446.0 ⁽⁸⁾	432.0 ^(A)	431.0 ⁽⁹⁾	420.0 ^(A)	418.0 ⁽³⁾	408.0 ^(A)	405.0 ⁽²⁾	384.0 ^(A)	384.0 ^(A)												65	
70	415.0 ^(A)	414.0 ⁽¹⁰⁾	400.0 ^(A)	400.0 ⁽⁴⁾	390.0 ^(A)	388.0 ⁽⁴⁾	379.0 ^(A)	378.0 ⁽³⁾	357.0 ^(A)	357.0 ^(A)												70	
75	374.0 ⁽⁸⁾	380.0 ⁽¹¹⁾	372.0 ^(A)	372.0 ⁽⁷⁾	362.0 ^(A)	362.0 ^(A)	352.0 ^(A)	352.0 ^(A)	332.0 ^(A)	332.0 ⁽²⁾	315.0 ^(A)	315.0 ^(A)										75	
80	352.0 ⁽⁸⁾	352.0 ⁽⁸⁾	348.0 ^(A)	347.0 ⁽⁸⁾	339.0 ^(A)	339.0 ^(A)	330.0 ^(A)	328.0 ^(A)	311.0 ^(A)	311.0 ^(A)	294.0 ^(A)	294.0 ^(A)										80	
85		320.0 ⁽¹¹⁾	325.0 ^(A)	323.0 ⁽⁹⁾	318.0 ^(A)	315.0 ⁽⁶⁾	309.0 ^(A)	309.0 ^(A)	292.0 ^(A)	292.0 ^(A)	276.0 ^(A)	276.0 ^(A)	259.0 ^(A)	259.0 ^(A)								85	
90		292.0 ⁽¹¹⁾	305.0 ^(A)	304.0 ⁽¹¹⁾	299.0 ^(A)	298.0 ⁽⁷⁾	291.0 ^(A)	289.0 ⁽⁵⁾	274.0 ^(A)	273.0 ⁽⁵⁾	260.0 ^(A)	259.0 ⁽²⁾	243.0 ^(A)	243.0 ^(A)								90	
95		268.0 ⁽¹¹⁾	282.0 ⁽⁸⁾	283.0 ⁽¹¹⁾	282.0 ^(A)	281.0 ⁽⁸⁾	274.0 ^(A)	274.0 ^(A)	259.0 ^(A)	259.0 ^(A)	246.0 ^(A)	246.0 ^(A)	230.0 ^(A)	230.0 ^(A)	217.0 ^(A)	217.0 ^(A)						95	
100		247.0 ⁽¹¹⁾		263.0 ⁽¹¹⁾	266.0 ^(A)	265.0 ⁽⁹⁾	260.0 ^(A)	260.0 ^(A)	245.0 ^(A)	244.0 ⁽⁴⁾	232.0 ^(A)	232.0 ^(A)	217.0 ^(A)	217.0 ^(A)	206.0 ^(A)	206.0 ^(A)	195.0 ^(A)	195.0 ^(A)				100	
105		226.0 ⁽¹¹⁾		244.0 ⁽¹¹⁾	251.0 ^(A)	250.0 ⁽¹⁰⁾	245.0 ^(A)	244.0 ⁽⁷⁾	232.0 ^(A)	232.0 ^(A)	219.0 ^(A)	219.0 ⁽³⁾	206.0 ^(A)	206.0 ^(A)	195.0 ^(A)	195.0 ^(A)	187.0 ^(A)	187.0 ^(A)	178.0 ^(A)	178.0 ^(A)		105	
110		208.0 ⁽¹⁰⁾		224.0 ⁽¹¹⁾	237.0 ^(A)	237.0 ⁽¹¹⁾	232.0 ^(A)	231.0 ⁽⁸⁾	220.0 ^(A)	220.0 ⁽⁵⁾	208.0 ^(A)	208.0 ^(A)	194.0 ^(A)	194.0 ^(A)	185.0 ^(A)	185.0 ^(A)	178.0 ^(A)	178.0 ^(A)	170.0 ^(A)	170.0 ^(A)	156.0 ^(A)	156.0 ^(A)	110
115		191.0 ⁽¹⁰⁾		208.0 ⁽¹¹⁾	224.0 ⁽⁸⁾	222.0 ⁽¹¹⁾	220.0 ^(A)	220.0 ^(A)	210.0 ^(A)	210.0 ^(A)	198.0 ^(A)	198.0 ^(A)	185.0 ^(A)	185.0 ^(A)	175.0 ^(A)	175.0 ⁽²⁾	169.0 ^(A)	169.0 ^(A)	160.0 ^(A)	160.0 ^(A)	150.0 ^(A)	150.0 ^(A)	115
120		174.0 ⁽¹⁰⁾		192.0 ⁽¹¹⁾	207.0 ⁽¹¹⁾	210.0 ^(A)	210.0 ^(A)	200.0 ^(A)	200.0 ^(A)	188.0 ^(A)	187.0 ⁽⁴⁾	176.0 ^(A)	176.0 ⁽³⁾	167.0 ^(A)	167.0 ^(A)	160.0 ^(A)	160.0 ^(A)	151.0 ^(A)	151.0 ^(A)	146.0 ^(A)	146.0 ^(A)		120
125		161.0 ⁽⁹⁾		176.0 ⁽¹¹⁾	192.0 ⁽¹¹⁾	199.0 ^(A)	198.0 ⁽¹¹⁾	190.0 ^(A)	190.0 ^(A)	179.0 ^(A)	179.0 ^(A)	167.0 ^(A)	167.0 ^(A)	158.0 ^(A)	158.0 ^(A)	152.0 ^(A)	151.0 ⁽²⁾	144.0 ^(A)	144.0 ^(A)	139.0 ^(A)	139.0 ^(A)		125
130		147.0 ⁽⁹⁾		163.0 ⁽¹¹⁾	178.0 ⁽¹¹⁾	189.0 ⁽⁸⁾	189.0 ⁽¹¹⁾	181.0 ^(A)	181.0 ^(A)	171.0 ^(A)	171.0 ^(A)	159.0 ^(A)	159.0 ^(A)	151.0 ^(A)	151.0 ^(A)	145.0 ^(A)	145.0 ^(A)	136.0 ^(A)	136.0 ⁽²⁾	131.0 ^(A)	131.0 ^(A)		130
135		135.0 ⁽⁸⁾		150.0 ⁽¹¹⁾	165.0 ⁽¹¹⁾	180.0 ⁽⁸⁾	178.0 ⁽¹¹⁾	172.0 ^(A)	171.0 ⁽⁷⁾	164.0 ^(A)	162.0 ⁽⁵⁾	152.0 ^(A)	152.0 ^(A)	144.0 ^(A)	144.0 ^(A)	138.0 ^(A)	138.0 ^(A)	130.0 ^(A)	130.0 ^(A)	124.0 ^(A)	124.0 ⁽²⁾		135
140		124.0 ⁽⁸⁾		138.0 ⁽¹¹⁾	153.0 ⁽¹¹⁾		166.0 ⁽¹¹⁾	164.0 ^(A)	164.0 ⁽⁸⁾	156.0 ^(A)	156.0 ^(A)	145.0 ^(A)	144.0 ^(A)	137.0 ^(A)	136.0 ⁽³⁾	131.0 ^(A)	131.0 ^(A)	123.0 ^(A)	123.0 ^(A)	118.0 ^(A)	118.0 ^(A)		140
145		114.0 ⁽⁸⁾		127.0 ⁽¹⁰⁾	141.0 ⁽¹¹⁾		155.0 ⁽¹¹⁾	156.0 ^(A)	156.0 ⁽⁸⁾	148.0 ^(A)	148.0 ^(A)	138.0 ^(A)	138.0 ^(A)	131.0 ^(A)	131.0 ^(A)	125.0 ^(A)	125.0 ⁽³⁾	117.0 ^(A)	117.0 ^(A)	112.0 ^(A)	112.0 ^(A)		145
150		104.0 ⁽⁷⁾		117.0 ⁽¹⁰⁾	131.0 ⁽¹¹⁾		143.0 ⁽¹¹⁾	150.0 ^(A)	150.0 ⁽⁹⁾	142.0 ^(A)	141.0 ⁽⁴⁾	132.0 ^(A)	132.0 ^(A)	124.0 ^(A)	124.0 ^(A)	119.0 ^(A)	119.0 ^(A)	111.0 ^(A)	111.0 ^(A)	107.0 ^(A)	107.0 ^(A)		150
155		95.8 ⁽⁷⁾		107.0 ⁽⁹⁾	122.0 ⁽¹¹⁾		134.0 ⁽¹¹⁾	144.0 ^(A)	144.0 ⁽¹⁰⁾	136.0 ^(A)	136.0 ^(A)	126.0 ^(A)	126.0 ^(A)	119.0 ^(A)	119.0 ^(A)	114.0 ^(A)	114.0 ^(A)	106.0 ^(A)	106.0 ⁽³⁾	101.0 ^(A)	101.0 ^(A)		155
160		87.2 ⁽⁶⁾		99.0 ⁽⁹⁾	112.0 ⁽¹¹⁾		124.0 ⁽¹¹⁾	137.0 ⁽⁸⁾	138.0 ⁽¹⁰⁾	130.0 ^(A)	130.0 ⁽⁷⁾	121.0 ^(A)	121.0 ^(A)	114.0 ^(A)	113.0 ⁽⁴⁾	109.0 ^(A)	109.0 ^(A)	101.0 ^(A)	101.0 ^(A)	96.6 ^(A)	96.6 ^(A)		160
165		79.9 ⁽⁶⁾		90.8 ⁽⁹⁾	103.0 ⁽¹⁰⁾		115.0 ⁽¹¹⁾	132.0 ⁽⁸⁾	132.0 ⁽¹¹⁾	124.0 ^(A)	124.0 ^(A)	116.0 ^(A)	116.0 ^(A)	108.0 ^(A)	108.0 ^(A)	104.0 ^(A)	104.0 ^(A)	96.5 ^(A)	96.5 ^(A)	91.6 ^(A)	90.9 ⁽³⁾		165
170		72.6 ⁽⁵⁾		83.0 ⁽⁸⁾	95.4 ⁽¹⁰⁾		107.0 ⁽¹¹⁾	126.0 ^(A)	126.0 ^(A)	119.0 ^(A)	118.0 ⁽⁸⁾	110.0 ^(A)	110.0 ^(A)	104.0 ^(A)	104.0 ^(A)	99.1 ^(A)	98.5 ⁽⁴⁾	91.7 ^(A)	91.7 ^(A)	87.5 ^(A)	87.5 ^(A)		170
175		66.2 ⁽⁵⁾		76.0 ⁽⁸⁾	87.0 ⁽⁹⁾		99.4 ⁽¹¹⁾	120.0 ⁽⁸⁾	120.0 ⁽⁸⁾	114.0 ^(A)	114.0 ⁽⁸⁾	106.0 ^(A)	106.0 ^(A)	99.3 ^(A)	99.3 ^(A)	94.9 ^(A)	94.9 ^(A)	87.6 ^(A)	87.6 ^(A)	83.1 ^(A)	83.1 ^(A)		175
180				69.1 ⁽⁷⁾	79.9 ⁽⁹⁾		90.7 ⁽¹⁰⁾		109.0 ⁽¹¹⁾	110.0 ^(A)	110.0 ⁽⁹⁾	101.0 ^(A)	101.0 ^(A)	94.8 ^(A)	94.4 ⁽⁵⁾	90.7 ^(A)	90.7 ^(A)	83.2 ^(A)	82.7 ⁽⁴⁾	79.1 ^(A)	79.1 ^(A)		180
185				63.0 ⁽⁷⁾	72.8 ⁽⁹⁾		83.6 ⁽¹⁰⁾		101.0 ⁽¹¹⁾	106.0 ^(A)	105.0 ⁽⁹⁾	97.2 ^(A)	97.2 ^(A)	90.6 ^(A)	90.6 ^(A)	86.8 ^(A)	86.8 ^(A)	79.4 ^(A)	79.4 ^(A)	75.2 ^(A)	75.2 ^(A)		185
190				56.8 ⁽⁶⁾	66.5 ⁽⁸⁾		76.4 ⁽¹⁰⁾		96.6 ⁽³⁾	101.0 ⁽⁸⁾	101.0 ⁽¹⁰⁾	93.0 ^(A)	92.5 ⁽⁷⁾	86.6 ^(A)	86.6 ^(A)	82.6 ^(A)	82.3 ⁽⁵⁾	75.7 ^(A)	75.7 ^(A)	71.6 ^(A)	70.9 ^(A)		190
195				51.5 ⁽⁶⁾	60.8 ⁽⁸⁾		69.6 ⁽⁹⁾		87.8 ⁽¹¹⁾	97.5 ^(A)	97.2 ⁽¹⁰⁾	88.3 ^(A)	88.3 ^(A)	82.5 ^(A)	82.5 ^(A)	78.4 ^(A)	77.5 ⁽⁵⁾	72.3 ^(A)	72.3 ^(A)	68.2 ^(A)	68.2 ^(A)		195
200					55.0 ⁽⁷⁾		64.2 ⁽⁹⁾		81.1 ⁽¹¹⁾	93.9 ^(A)	93.8 ⁽¹¹⁾	84.9 ^(A)	84.8 ⁽⁸⁾	78.0 ^(A)	78.5 ⁽⁶⁾	75.2 ^(A)	75.2 ^(A)	68.9 ^(A)	68.9 ^(A)	65.0 ^(A)	65.0 ^(A)		200
205					49.8 ⁽⁷⁾		58.1 ⁽⁸⁾		74.9 ⁽¹¹⁾	90.5 ^(A)	90.5 ^(A)	81.6 ^(A)	81.4 ⁽⁸⁾	74.9 ^(A)	74.4 ⁽⁶⁾	72.2 ^(A)	72.2 ^(A)	65.4 ^(A)	64.4 ⁽⁵⁾	62.0 ^(A)	62.0 ^(A)		205
210					44.4 ⁽⁶⁾		53.1 ⁽⁸⁾		69.6 ⁽¹¹⁾	88.0 ^(A)	88.0 ^(A)	78.2 ^(A)	78.2 ^(A)	72.0 ^(A)	72.0 ^(A)	68.9 ^(A) </							



 ft	S 177 ft																		 ft	
	W1 59 ft		W1 79 ft		W1 98 ft		W1 118 ft		W1 158 ft		W1 197 ft		W1 236 ft		W1 276 ft		W1 295 ft			
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax		
36	781.0 ^(A)	781.0 ^(A)																	36	
38	740.0 ^(A)	740.0 ^(A)																	38	
40	705.0 ^(A)	705.0 ^(A)																	40	
45	627.0 ^(A)	624.0 ⁽²⁾	604.0 ^(A)	604.0 ^(A)															45	
50	564.0 ^(A)	560.0 ⁽³⁾	545.0 ^(A)	544.0 ⁽²⁾	527.0 ^(A)	527.0 ^(A)													50	
55	512.0 ^(A)	512.0 ⁽⁵⁾	496.0 ^(A)	495.0 ⁽³⁾	480.0 ^(A)	479.0 ⁽²⁾	466.0 ^(A)	466.0 ^(A)											55	
60	469.0 ^(A)	467.0 ⁽⁶⁾	454.0 ^(A)	454.0 ^(A)	440.0 ^(A)	440.0 ^(A)	428.0 ^(A)	428.0 ^(A)											60	
65	429.0 ^(A)	428.0 ⁽⁷⁾	419.0 ^(A)	419.0 ^(A)	406.0 ^(A)	404.0 ⁽³⁾	394.0 ^(A)	392.0 ⁽²⁾	374.0 ^(A)	374.0 ^(A)									65	
70	392.0 ^(A)	394.0 ⁽⁹⁾	387.0 ^(A)	387.0 ^(A)	376.0 ^(A)	376.0 ^(A)	366.0 ^(A)	366.0 ^(A)	348.0 ^(A)	348.0 ^(A)									70	
75	361.0 ^(B)	362.0 ⁽¹¹⁾	357.0 ^(A)	356.0 ⁽⁶⁾	350.0 ^(A)	350.0 ^(A)	341.0 ^(A)	338.0 ⁽³⁾	325.0 ^(A)	325.0 ^(A)	308.0 ^(A)	308.0 ^(A)							75	
80	339.0 ^(B)	338.0 ⁽¹¹⁾	330.0 ^(A)	331.0 ⁽⁷⁾	326.0 ^(A)	325.0 ⁽⁵⁾	319.0 ^(A)	319.0 ⁽⁴⁾	304.0 ^(A)	304.0 ^(A)	288.0 ^(A)	288.0 ^(A)							80	
85		312.0 ⁽¹¹⁾	310.0 ^(A)	309.0 ⁽⁹⁾	304.0 ^(A)	304.0 ⁽⁶⁾	298.0 ^(A)	298.0 ^(A)	285.0 ^(A)	285.0 ^(A)	270.0 ^(A)	270.0 ^(A)	251.0 ^(A)	251.0 ^(A)					85	
90		286.0 ⁽¹¹⁾	289.0 ^(B)	288.0 ⁽¹⁰⁾	282.0 ^(A)	282.0 ⁽⁷⁾	278.0 ^(A)	279.0 ⁽⁵⁾	268.0 ^(A)	267.0 ⁽³⁾	255.0 ^(A)	254.0 ⁽²⁾	236.0 ^(A)	236.0 ^(A)					90	
95		260.0 ⁽¹¹⁾	273.0 ^(B)	274.0 ⁽¹¹⁾	266.0 ^(A)	266.0 ⁽⁷⁾	263.0 ^(A)	263.0 ^(A)	253.0 ^(A)	253.0 ^(A)	240.0 ^(A)	240.0 ^(A)	222.0 ^(A)	222.0 ^(A)	202.0 ^(A)	202.0 ^(A)			95	
100		240.0 ⁽¹¹⁾	260.0 ^(B)	260.0 ^(B)	250.0 ^(B)	251.0 ^(B)	245.0 ^(A)	247.0 ⁽⁶⁾	238.0 ^(A)	238.0 ⁽⁴⁾	228.0 ^(A)	228.0 ^(A)	210.0 ^(A)	210.0 ^(A)	196.0 ^(A)	196.0 ^(A)	182.0 ^(A)	182.0 ^(A)	100	
105		222.0 ⁽¹¹⁾		238.0 ⁽¹¹⁾	237.0 ^(B)	236.0 ⁽¹⁰⁾	230.0 ^(B)	232.0 ⁽⁷⁾	225.0 ^(A)	223.0 ⁽⁴⁾	216.0 ^(A)	215.0 ⁽³⁾	199.0 ^(A)	198.0 ⁽²⁾	188.0 ^(A)	188.0 ^(A)	178.0 ^(A)	178.0 ^(A)	105	
110		204.0 ⁽¹¹⁾		220.0 ⁽¹¹⁾	226.0 ^(B)	223.0 ⁽¹¹⁾	219.0 ^(B)	220.0 ⁽⁷⁾	210.0 ^(A)	210.0 ^(A)	204.0 ^(A)	202.0 ⁽³⁾	188.0 ^(A)	188.0 ^(A)	178.0 ^(A)	178.0 ^(A)	172.0 ^(A)	172.0 ^(A)	110	
115		187.0 ⁽¹⁰⁾		202.0 ⁽¹¹⁾	215.0 ^(B)	215.0 ⁽¹¹⁾	208.0 ^(B)	209.0 ^(B)	200.0 ^(A)	200.0 ⁽⁵⁾	193.0 ^(A)	193.0 ^(A)	178.0 ^(A)	178.0 ^(A)	168.0 ^(A)	168.0 ^(A)	163.0 ^(A)	163.0 ^(A)	115	
120		173.0 ⁽¹⁰⁾		188.0 ⁽¹¹⁾	207.0 ^(B)	207.0 ^(B)	198.0 ^(B)	198.0 ⁽⁹⁾	190.0 ^(A)	189.0 ⁽⁵⁾	182.0 ^(A)	182.0 ⁽⁴⁾	168.0 ^(A)	168.0 ^(A)	159.0 ^(A)	158.0 ⁽²⁾	154.0 ^(A)	154.0 ^(A)	120	
125		159.0 ⁽¹⁰⁾		175.0 ⁽¹¹⁾		188.0 ⁽¹¹⁾	190.0 ^(B)	189.0 ⁽¹⁰⁾	180.0 ^(B)	180.0 ⁽⁶⁾	171.0 ^(A)	172.0 ⁽⁴⁾	159.0 ^(A)	159.0 ⁽³⁾	151.0 ^(A)	151.0 ^(A)	145.0 ^(A)	145.0 ⁽²⁾	125	
130		145.0 ⁽⁹⁾		161.0 ⁽¹¹⁾		174.0 ⁽¹¹⁾	182.0 ^(B)	181.0 ⁽¹¹⁾	172.0 ^(B)	172.0 ⁽⁶⁾	164.0 ^(A)	164.0 ^(A)	149.0 ^(A)	149.0 ^(A)	141.0 ^(A)	141.0 ^(A)	138.0 ^(A)	138.0 ^(A)	130	
135		134.0 ⁽⁹⁾		149.0 ⁽¹¹⁾		162.0 ⁽¹¹⁾	175.0 ^(B)	174.0 ⁽¹¹⁾	164.0 ^(B)	163.0 ⁽⁷⁾	156.0 ^(A)	156.0 ⁽⁵⁾	142.0 ^(A)	142.0 ^(A)	135.0 ^(A)	135.0 ^(A)	131.0 ^(A)	131.0 ^(A)	135	
140		122.0 ⁽⁹⁾		138.0 ⁽¹¹⁾		151.0 ⁽¹¹⁾	169.0 ^(B)	169.0 ^(B)	157.0 ^(B)	157.0 ⁽⁷⁾	147.0 ^(B)	149.0 ⁽⁵⁾	136.0 ^(A)	136.0 ⁽⁴⁾	128.0 ^(A)	127.0 ⁽³⁾	124.0 ^(A)	124.0 ^(A)	140	
145		112.0 ^(B)		126.0 ⁽¹¹⁾		140.0 ⁽¹¹⁾		152.0 ⁽¹¹⁾	151.0 ^(B)	151.0 ^(B)	141.0 ^(B)	141.0 ⁽⁵⁾	129.0 ^(A)	129.0 ⁽⁴⁾	122.0 ^(A)	122.0 ⁽³⁾	118.0 ^(A)	118.0 ^(A)	145	
150		103.0 ^(B)		116.0 ⁽¹⁰⁾		129.0 ⁽¹¹⁾		141.0 ⁽¹¹⁾	145.0 ^(B)	145.0 ^(B)	135.0 ^(B)	135.0 ⁽⁶⁾	123.0 ^(A)	122.0 ⁽⁴⁾	116.0 ^(A)	116.0 ^(A)	112.0 ^(A)	112.0 ⁽³⁾	150	
155		93.8 ^(B)		107.0 ⁽¹⁰⁾		120.0 ⁽¹¹⁾		134.0 ^(C)	139.0 ^(B)	139.0 ⁽⁹⁾	130.0 ^(B)	130.0 ⁽⁶⁾	116.0 ^(B)	116.0 ^(B)	111.0 ^(A)	111.0 ^(A)	106.0 ^(A)	106.0 ^(A)	155	
160		85.6 ⁽⁷⁾		97.7 ⁽¹⁰⁾		111.0 ⁽¹¹⁾		122.0 ⁽¹¹⁾	134.0 ^(B)	133.0 ⁽⁹⁾	125.0 ^(B)	123.0 ⁽⁷⁾	111.0 ^(B)	112.0 ⁽⁵⁾	106.0 ^(A)	105.0 ⁽⁴⁾	101.0 ^(A)	101.0 ^(A)	160	
165		78.1 ⁽⁷⁾		89.2 ⁽⁹⁾		102.0 ⁽¹¹⁾		113.0 ⁽¹¹⁾	129.0 ^(B)	129.0 ⁽¹⁰⁾	120.0 ^(B)	119.0 ⁽⁷⁾	106.0 ^(B)	107.0 ⁽⁵⁾	100.0 ^(A)	100.0 ⁽⁴⁾	96.6 ^(A)	96.6 ^(A)	165	
170		70.6 ⁽⁶⁾		81.7 ⁽⁹⁾		93.0 ⁽¹⁰⁾		104.0 ⁽¹¹⁾	125.0 ^(B)	125.0 ⁽¹¹⁾	115.0 ^(B)	115.0 ⁽⁷⁾	102.0 ^(B)	102.0 ⁽⁵⁾	95.1 ^(B)	95.5 ⁽⁴⁾	92.0 ^(A)	91.6 ⁽⁴⁾	170	
175		64.1 ⁽⁶⁾		74.2 ⁽⁹⁾		85.3 ⁽¹⁰⁾		96.7 ⁽¹¹⁾	120.0 ^(B)	120.0 ^(B)	111.0 ^(B)	110.0 ⁽⁸⁾	97.8 ^(B)	97.4 ⁽⁶⁾	90.8 ^(B)	90.8 ^(B)	87.0 ^(A)	87.3 ⁽⁴⁾	175	
180		57.7 ⁽⁶⁾		67.5 ^(B)		77.6 ⁽¹⁰⁾		89.1 ⁽¹¹⁾	114.0 ^(B)	114.0 ^(B)	107.0 ^(B)	107.0 ⁽⁸⁾	93.8 ^(B)	93.7 ⁽⁶⁾	87.0 ^(B)	87.0 ⁽⁵⁾	83.0 ^(A)	83.0 ^(A)	180	
185		51.9 ⁽⁵⁾		61.3 ^(B)		70.7 ⁽⁹⁾		81.5 ⁽¹¹⁾		102.0 ⁽¹¹⁾	103.0 ^(B)	103.0 ^(B)	90.1 ^(B)	89.9 ⁽⁶⁾	83.2 ^(B)	83.4 ⁽⁵⁾	79.1 ^(A)	79.1 ^(A)	185	
190		46.5 ⁽⁵⁾		55.0 ⁽⁷⁾		64.8 ⁽⁹⁾		74.4 ⁽¹⁰⁾		94.5 ⁽¹¹⁾	99.3 ^(B)	99.1 ⁽⁹⁾	86.4 ^(B)	85.5 ⁽⁷⁾	79.6 ^(B)	79.8 ⁽⁵⁾	75.3 ^(A)	75.3 ^(A)	190	
195				49.7 ⁽⁷⁾		58.8 ⁽⁹⁾		68.4 ⁽¹⁰⁾		91.0 ^(C)	95.9 ^(B)	95.9 ^(B)	83.0 ^(B)	82.8 ⁽⁷⁾	76.3 ^(B)	75.7 ⁽⁵⁾	71.3 ^(B)	72.3 ⁽⁵⁾	195	
200				44.4 ⁽⁷⁾		53.0 ^(B)		62.3 ⁽¹⁰⁾		81.2 ⁽¹¹⁾	92.6 ^(B)	92.1 ⁽¹⁰⁾	79.7 ^(B)	79.5 ⁽⁷⁾	73.0 ^(B)	72.2 ⁽⁶⁾	68.1 ^(B)	68.7 ⁽⁵⁾	200	
205				39.3 ⁽⁶⁾		47.8 ^(B)		56.4 ⁽⁹⁾		74.5 ⁽¹¹⁾	89.2 ^(B)	88.4 ⁽¹¹⁾	76.8 ^(B)	75.8 ^(B)	70.1 ^(B)	69.6 ⁽⁶⁾	65.1 ^(B)	65.0 ⁽⁵⁾	205	
210				34.6 ⁽⁶⁾		42.3 ⁽⁷⁾		51.4 ⁽⁹⁾		68.5 ⁽¹¹⁾	84.5 ^(B)	83.6 ⁽¹¹⁾	73.8 ^(B)	73.5 ^(B)	67.1 ^(B)	67.0 ⁽⁶⁾	62.1 ^(B)	62.1 ^(B)	210	
215						37.7 ⁽⁷⁾		45.8 ^(B)		63.7 ⁽¹¹⁾	81.0 ^(B)	81.0 ^(B)	71.0 ^(B)	70.0 ^(B)	64.2 ^(B)	63.2 ⁽⁶⁾	59.5 ^(B)	58.6 ⁽⁶⁾	215	
220						33.1 ⁽⁷⁾		41.3 ^(B)		58.9 ⁽¹¹⁾			72.3 ⁽¹¹⁾	68.3 ^(B)	67.8 ⁽⁹⁾	61.7 ^(B)	60.8 ⁽⁷⁾	56.9 ^(B)	56.9 ⁽⁶⁾	220
225						28.5 ⁽⁶⁾		36.8 ^(B)		54.1 ⁽¹¹⁾			66.6 ⁽¹¹⁾	65.9 ^(B)	65.4 ⁽⁹⁾	59.1 ^(B)	58.8 ⁽⁷⁾	54.3 ^(B)	54.0 ⁽⁶⁾	225
230						24.4 ⁽⁶⁾		31.8 ⁽⁷⁾		49.0 ⁽¹¹⁾			62.9 ^(C)	63.5 ^(B)	62.6 ⁽¹⁰⁾	56.6 ^(B)	56.0 ⁽⁷⁾	51.8 ^(B)	51.5 ⁽⁷⁾	230
235								27.8 ⁽⁷⁾		44.0 ⁽¹¹⁾			60.7 ^(C)	61.3 ^(B)	60.7 ⁽¹⁰⁾	54.3 ^(B)	53.4 ^(B)	49.5 ^(B)	49.3 ⁽⁷⁾	235
240								23.8 ⁽⁷⁾		38.9 ⁽¹¹⁾			53.2 ⁽¹¹⁾	59.2 ^(B)	58.6 ⁽¹¹⁾	52.1 ^(B)	51.8 ^(B)	47.3 ^(B)	47.3 ⁽⁷⁾	240
245								19.6 ⁽⁶⁾		34.8 ⁽¹⁰⁾			49.0 ⁽¹¹⁾	57.1 ^(B)	57.1 ^(B)	50.0 ^(B)				

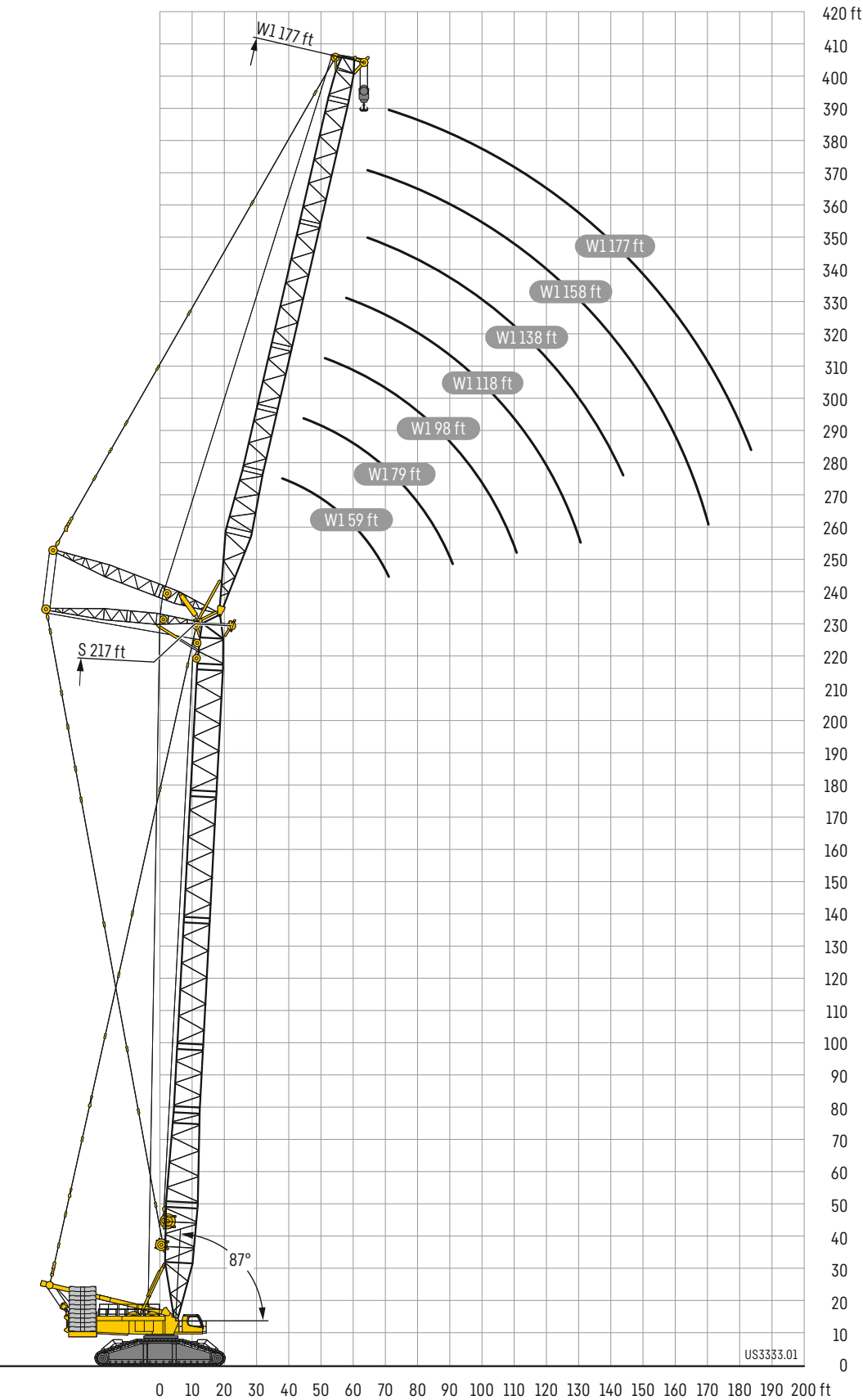


 ft	S 197 ft												S 217 ft												 ft		
	W159 ft		W179 ft		W198 ft		W1118 ft		W1158 ft		W1197 ft		W1236 ft		W159 ft		W179 ft		W198 ft		W1118 ft		W1158 ft			W1177 ft	
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
38	708.0 ^{A)}	708.0 ^{A)}													663.0 ^{A)}	663.0 ^{A)}											38
40	674.0 ^{A)}	674.0 ^{A)}													647.0 ^{A)}	647.0 ^{A)}											40
45	602.0 ^{A)}	601.0 ^{A)}	581.0 ^{A)}	581.0 ^{A)}											579.0 ^{A)}	579.0 ^{A)}	559.0 ^{A)}	559.0 ^{A)}									45
50	543.0 ^{A)}	541.0 ^{A)}	526.0 ^{A)}	525.0 ^{A)}	508.0 ^{A)}	508.0 ^{A)}									524.0 ^{A)}	523.0 ^{A)}	507.0 ^{A)}	507.0 ^{A)}	492.0 ^{A)}	492.0 ^{A)}							50
55	495.0 ^{A)}	491.0 ^{A)}	478.0 ^{A)}	478.0 ^{A)}	464.0 ^{A)}	464.0 ^{A)}	451.0 ^{A)}	451.0 ^{A)}							467.0 ^{A)}	474.0 ^{A)}	463.0 ^{A)}	458.0 ^{A)}	450.0 ^{A)}	450.0 ^{A)}	433.0 ^{A)}	433.0 ^{A)}					55
60	443.0 ^{A)}	448.0 ^{A)}	439.0 ^{A)}	439.0 ^{A)}	426.0 ^{A)}	423.0 ^{A)}	414.0 ^{A)}	414.0 ^{A)}							428.0 ^{A)}	430.0 ^{A)}	415.0 ^{A)}	421.0 ^{A)}	413.0 ^{A)}	411.0 ^{A)}	398.0 ^{A)}	398.0 ^{A)}					60
65	409.0 ^{A)}	406.0 ^{A)}	402.0 ^{A)}	402.0 ^{A)}	394.0 ^{A)}	393.0 ^{A)}	384.0 ^{A)}	382.0 ^{A)}	362.0 ^{A)}	362.0 ^{A)}					388.0 ^{B)}	390.0 ^{B)}	383.0 ^{B)}	381.0 ^{B)}	373.0 ^{B)}	373.0 ^{B)}	366.0 ^{A)}	366.0 ^{A)}					65
70	374.0 ^{B)}	376.0 ^{B)}	367.0 ^{B)}	370.0 ^{B)}	364.0 ^{A)}	364.0 ^{A)}	356.0 ^{A)}	356.0 ^{A)}	336.0 ^{A)}	336.0 ^{A)}					361.0 ^{B)}	360.0 ^{B)}	350.0 ^{B)}	352.0 ^{B)}	346.0 ^{A)}	347.0 ^{B)}	336.0 ^{A)}	337.0 ^{B)}	317.0 ^{A)}	317.0 ^{A)}			70
75	349.0 ^{B)}	348.0 ^{B)}	341.0 ^{B)}	339.0 ^{B)}	333.0 ^{A)}	336.0 ^{A)}	330.0 ^{A)}	329.0 ^{A)}	314.0 ^{A)}	314.0 ^{A)}	295.0 ^{A)}	295.0 ^{A)}			336.0 ^{B)}	336.0 ^{B)}	326.0 ^{B)}	326.0 ^{B)}	318.0 ^{B)}	320.0 ^{A)}	311.0 ^{A)}	311.0 ^{A)}	296.0 ^{A)}	296.0 ^{A)}	289.0 ^{A)}	289.0 ^{A)}	75
80	327.0 ^{B)}	327.0 ^{B)}	316.0 ^{B)}	316.0 ^{B)}	310.0 ^{A)}	309.0 ^{A)}	304.0 ^{A)}	304.0 ^{A)}	293.0 ^{A)}	292.0 ^{A)}	277.0 ^{A)}	277.0 ^{A)}			315.0 ^{B)}	315.0 ^{B)}	306.0 ^{B)}	304.0 ^{B)}	297.0 ^{B)}	297.0 ^{B)}	287.0 ^{B)}	291.0 ^{B)}	276.0 ^{A)}	275.0 ^{A)}	271.0 ^{A)}	271.0 ^{A)}	80
85		303.0 ^{B)}	296.0 ^{B)}	295.0 ^{B)}	288.0 ^{B)}	290.0 ^{B)}	285.0 ^{A)}	286.0 ^{A)}	273.0 ^{A)}	273.0 ^{A)}	260.0 ^{A)}	260.0 ^{A)}			298.0 ^{B)}	295.0 ^{B)}	287.0 ^{B)}	284.0 ^{B)}	279.0 ^{B)}	280.0 ^{B)}	270.0 ^{B)}	270.0 ^{A)}	257.0 ^{A)}	258.0 ^{B)}	252.0 ^{A)}	252.0 ^{B)}	85
90		280.0 ^{B)}	280.0 ^{B)}	278.0 ^{B)}	271.0 ^{B)}	272.0 ^{B)}	267.0 ^{A)}	266.0 ^{B)}	254.0 ^{A)}	255.0 ^{B)}	244.0 ^{A)}	244.0 ^{A)}	228.0 ^{A)}	228.0 ^{A)}		272.0 ^{B)}	271.0 ^{B)}	270.0 ^{B)}	263.0 ^{B)}	262.0 ^{A)}	254.0 ^{B)}	255.0 ^{B)}	240.0 ^{B)}	240.0 ^{B)}	236.0 ^{A)}	238.0 ^{B)}	90
95		256.0 ^{B)}	264.0 ^{B)}	263.0 ^{B)}	256.0 ^{B)}	256.0 ^{B)}	249.0 ^{B)}	252.0 ^{B)}	238.0 ^{A)}	239.0 ^{B)}	227.0 ^{A)}	228.0 ^{B)}	212.0 ^{A)}	212.0 ^{A)}		250.0 ^{B)}	256.0 ^{B)}	254.0 ^{B)}	249.0 ^{B)}	248.0 ^{B)}	240.0 ^{B)}	239.0 ^{B)}	227.0 ^{B)}	228.0 ^{B)}	221.0 ^{B)}	222.0 ^{B)}	95
100		232.0 ^{B)}	251.0 ^{B)}	250.0 ^{B)}	242.0 ^{B)}	241.0 ^{B)}	236.0 ^{B)}	236.0 ^{B)}	225.0 ^{A)}	225.0 ^{A)}	214.0 ^{A)}	213.0 ^{B)}	201.0 ^{A)}	201.0 ^{A)}		228.0 ^{B)}	243.0 ^{B)}	242.0 ^{B)}	235.0 ^{B)}	235.0 ^{B)}	227.0 ^{B)}	227.0 ^{B)}	214.0 ^{B)}	215.0 ^{B)}	209.0 ^{B)}	208.0 ^{B)}	100
105		216.0 ^{B)}		233.0 ^{B)}	230.0 ^{B)}	228.0 ^{B)}	224.0 ^{B)}	222.0 ^{B)}	211.0 ^{B)}	213.0 ^{A)}	202.0 ^{A)}	202.0 ^{A)}	190.0 ^{A)}	189.0 ^{B)}		208.0 ^{B)}	232.0 ^{B)}	232.0 ^{B)}	224.0 ^{B)}	222.0 ^{B)}	216.0 ^{B)}	214.0 ^{A)}	203.0 ^{B)}	201.0 ^{A)}	198.0 ^{B)}	199.0 ^{B)}	105
110		199.0 ^{B)}		216.0 ^{B)}	219.0 ^{B)}	217.0 ^{B)}	213.0 ^{B)}	212.0 ^{B)}	200.0 ^{B)}	201.0 ^{A)}	192.0 ^{A)}	190.0 ^{B)}	180.0 ^{A)}	179.0 ^{B)}		193.0 ^{B)}		211.0 ^{B)}	213.0 ^{B)}	212.0 ^{B)}	205.0 ^{B)}	204.0 ^{A)}	193.0 ^{B)}	192.0 ^{A)}	188.0 ^{B)}	188.0 ^{B)}	110
115		182.0 ^{B)}		198.0 ^{B)}	209.0 ^{B)}	208.0 ^{B)}	203.0 ^{B)}	202.0 ^{B)}	191.0 ^{B)}	189.0 ^{B)}	180.0 ^{B)}	181.0 ^{B)}	170.0 ^{A)}	170.0 ^{A)}		178.0 ^{B)}		195.0 ^{B)}	203.0 ^{B)}	202.0 ^{B)}	195.0 ^{B)}	194.0 ^{B)}	183.0 ^{B)}	183.0 ^{A)}	179.0 ^{B)}	178.0 ^{B)}	115
120		167.0 ^{B)}		185.0 ^{B)}	200.0 ^{B)}	200.0 ^{B)}	193.0 ^{B)}	193.0 ^{B)}	181.0 ^{B)}	182.0 ^{B)}	171.0 ^{B)}	171.0 ^{B)}	159.0 ^{B)}	159.0 ^{B)}		163.0 ^{B)}		178.0 ^{B)}	194.0 ^{B)}	193.0 ^{B)}	186.0 ^{B)}	184.0 ^{B)}	175.0 ^{B)}	173.0 ^{B)}	170.0 ^{B)}	169.0 ^{A)}	120
125		154.0 ^{B)}		170.0 ^{B)}		184.0 ^{B)}	185.0 ^{B)}	184.0 ^{B)}	173.0 ^{B)}	173.0 ^{B)}	163.0 ^{B)}	162.0 ^{A)}	151.0 ^{B)}	151.0 ^{B)}		148.0 ^{B)}		165.0 ^{B)}		180.0 ^{B)}	178.0 ^{B)}	176.0 ^{B)}	166.0 ^{B)}	167.0 ^{B)}	163.0 ^{B)}	162.0 ^{A)}	125
130		142.0 ^{B)}		157.0 ^{B)}		171.0 ^{B)}	177.0 ^{B)}	176.0 ^{B)}	165.0 ^{B)}	165.0 ^{B)}	156.0 ^{B)}	156.0 ^{B)}	144.0 ^{B)}	145.0 ^{B)}		137.0 ^{B)}		153.0 ^{B)}		168.0 ^{B)}	170.0 ^{B)}	169.0 ^{B)}	159.0 ^{B)}	159.0 ^{B)}	155.0 ^{B)}	155.0 ^{B)}	130
135		129.0 ^{B)}		145.0 ^{B)}		158.0 ^{B)}	170.0 ^{B)}	170.0 ^{B)}	158.0 ^{B)}	158.0 ^{B)}	148.0 ^{B)}	148.0 ^{B)}	137.0 ^{B)}	137.0 ^{B)}		126.0 ^{B)}		141.0 ^{B)}		155.0 ^{B)}	163.0 ^{B)}	162.0 ^{B)}	152.0 ^{B)}	152.0 ^{B)}	148.0 ^{B)}	148.0 ^{B)}	135
140		120.0 ^{B)}		134.0 ^{B)}		150.0 ^{B)}	164.0 ^{B)}	164.0 ^{B)}	152.0 ^{B)}	150.0 ^{B)}	142.0 ^{B)}	141.0 ^{B)}	131.0 ^{B)}	130.0 ^{B)}		115.0 ^{B)}		130.0 ^{B)}		143.0 ^{B)}	157.0 ^{B)}	157.0 ^{B)}	146.0 ^{B)}	146.0 ^{B)}	142.0 ^{B)}	141.0 ^{B)}	140
145		110.0 ^{B)}		124.0 ^{B)}		137.0 ^{B)}		149.0 ^{B)}	145.0 ^{B)}	144.0 ^{B)}	136.0 ^{B)}	136.0 ^{B)}	125.0 ^{B)}	124.0 ^{A)}		105.0 ^{B)}		120.0 ^{B)}		133.0 ^{B)}		145.0 ^{B)}	140.0 ^{B)}	140.0 ^{B)}	136.0 ^{B)}	136.0 ^{B)}	145
150		100.0 ^{B)}		114.0 ^{B)}		127.0 ^{B)}		139.0 ^{B)}	140.0 ^{B)}	139.0 ^{B)}	130.0 ^{B)}	129.0 ^{B)}	119.0 ^{B)}	119.0 ^{B)}		96.4 ^{B)}		110.0 ^{B)}		124.0 ^{B)}		135.0 ^{B)}	134.0 ^{B)}	134.0 ^{B)}	130.0 ^{B)}	130.0 ^{B)}	150
155		91.9 ^{B)}		104.0 ^{B)}		117.0 ^{B)}		128.0 ^{B)}	134.0 ^{B)}	134.0 ^{B)}	125.0 ^{B)}	125.0 ^{B)}	114.0 ^{B)}	114.0 ^{A)}		87.7 ^{B)}		101.0 ^{B)}		114.0 ^{B)}		124.0 ^{B)}	129.0 ^{B)}	128.0 ^{B)}	125.0 ^{B)}	125.0 ^{B)}	155
160		84.1 ^{B)}		96.1 ^{B)}		108.0 ^{B)}		120.0 ^{B)}	129.0 ^{B)}	129.0 ^{B)}	120.0 ^{B)}	120.0 ^{B)}	109.0 ^{B)}	109.0 ^{B)}		79.0 ^{B)}		92.3 ^{B)}		105.0 ^{B)}		115.0 ^{B)}	124.0 ^{B)}	123.0 ^{B)}	120.0 ^{B)}	120.0 ^{B)}	160
165		76.3 ^{B)}		88.1 ^{B)}		100.0 ^{B)}		112.0 ^{B)}	124.0 ^{B)}	124.0 ^{B)}	115.0 ^{B)}	115.0 ^{B)}	104.0 ^{B)}	104.0 ^{B)}		72.1 ^{B)}		84.1 ^{B)}		96.7 ^{B)}		107.0 ^{B)}	119.0 ^{B)}	119.0 ^{B)}	115.0 ^{B)}	115.0 ^{B)}	165
170		69.0 ^{B)}		80.1 ^{B)}		92.0 ^{B)}		104.0 ^{B)}	120.0 ^{B)}	119.0 ^{B)}	111.0 ^{B)}	110.0 ^{B)}	100.0 ^{B)}	100.0 ^{B)}		65.2 ^{B)}		76.9 ^{B)}		89.1 ^{B)}		99.2 ^{B)}	115.0 ^{B)}	115.0 ^{B)}	111.0 ^{B)}	111.0 ^{B)}	170
175		62.3 ^{B)}		73.1 ^{B)}		83.6 ^{B)}		95.3 ^{B)}	116.0 ^{B)}	116.0 ^{B)}	106.0 ^{B)}	106.0 ^{B)}	96.1 ^{B)}	96.1 ^{B)}		58.3 ^{B)}		69.7 ^{B)}		81.6 ^{B)}		91.4 ^{B)}	111.0 ^{B)}	111.0 ^{B)}	107.0 ^{B)}	107.0 ^{B)}	175
180		55.7 ^{B)}		66.4 ^{B)}		76.8 ^{B)}		88.2 ^{B)}	112.0 ^{B)}	112.0 ^{B)}	102.0 ^{B)}	102.0 ^{B)}	92.2 ^{B)}	92.2 ^{B)}		52.1 ^{B)}		62.3 ^{B)}		74.0 ^{B)}		83.6 ^{B)}	108.0 ^{B)}	108.0 ^{B)}	103.0 ^{B)}	103.0 ^{B)}	180
185		50.0 ^{B)}		59.8 ^{B)}		70.0 ^{B)}		81.0 ^{B)}		99.5 ^{B)}	98.8 ^{B)}	97.8 ^{B)}	88.3 ^{B)}	88.1 ^{B)}		46.4 ^{B)}		56.4 ^{B)}		67.0 ^{B)}		77.2 ^{B)}		96.1 ^{B)}	99.5 ^{B)}	99.5 ^{B)}	185
190		44.6 ^{B)}		53.7 ^{B)}		62.9 ^{B)}		73.9 ^{B)}	95.2 ^{B)}	95.2 ^{B)}	85.0 ^{B)}	85.0 ^{B)}	75.0 ^{B)}	75.0 ^{B)}		40.7 ^{B)}											

Lifting heights

Hauteurs de levage

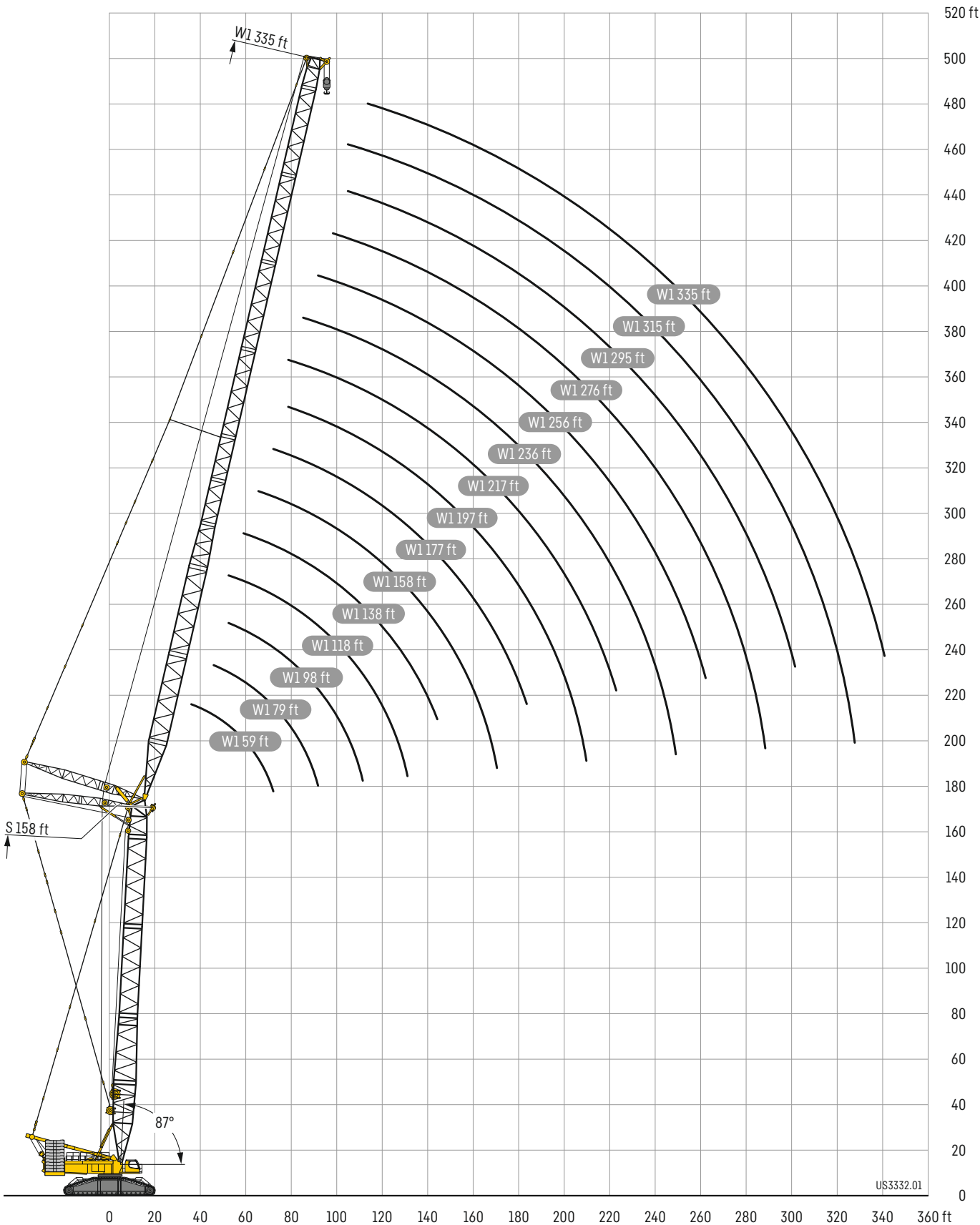
SW1



Lifting heights

Hauteurs de levage

SW1



HSDWB / HSDWBV

HS 138 ft

138 ft
HS

128 ft
D

59 – 335 ft
W

154,300 lb

463,000 lb

B

BV

661,400 – 881,850 lb

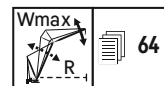
330,700 – 659,200 lb

110,000 – 328,500 lb

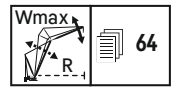
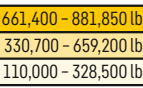
Wmax
R₁

64

ft		HS 138 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
34	B	992.0	992.0																				
	BV	992.0	992.0																				
36	B	992.0	992.0																				
	BV	992.0	992.0																				
38	B	992.0	992.0																				
	BV	992.0	992.0																				
40	B	992.0	992.0	992.0	992.0																		
	BV	992.0	992.0	992.0	992.0																		
45	B	992.0*	992.0	992.0	992.0	992.0	992.0																
	BV	992.0*	992.0	992.0	992.0	992.0	992.0																
50	B	992.0*	992.0	992.0*	992.0	992.0	992.0	953.0	953.0														
	BV	992.0*	992.0	992.0*	992.0	992.0	992.0	960.0	960.0														
55	B	992.0*	992.0	992.0*	992.0	992.0*	992.0	936.0	957.0 ^[1]														
	BV	992.0*	992.0	992.0*	992.0	992.0*	992.0	945.0	967.0 ^[1]														
60	B	922.0*	989.0 ^[2]	963.0*	966.0 ^[3]	992.0*	992.0	957.0*	957.0	737.0	737.0												
	BV	921.0*	992.0 ^[2]	962.0*	992.0 ^[1]	992.0*	992.0	969.0*	970.0 ^[1]	742.0	742.0												
65	B	815.0*	962.0 ^[2]	861.0*	949.0 ^[1]	950.0*	950.0	924.0*	924.0	728.0	740.0 ^[1]												
	BV	814.0*	992.0 ^[3]	861.0*	992.0 ^[1]	986.0*	992.0 ^[1]	954.0*	959.0 ^[1]	733.0	746.0 ^[1]												
70	B	728.0*	904.0 ^[3]	771.0*	897.0 ^[1]	890.0*	893.0 ^[3]	875.0*	876.0 ^[2]	743.0*	743.0	569.0	569.0										
	BV	729.0*	992.0 ^[1]	770.0*	981.0 ^[1]	915.0*	992.0 ^[1]	899.0*	949.0 ^[1]	750.0*	750.0	571.0	571.0										
75	B	660.0*	844.0 ^[4]	696.0*	838.0 ^[1]	824.0*	840.0 ^[3]	815.0*	828.0 ^[2]	733.0*	733.0	564.0	570.0 ^[1]										
	BV	660.0*	991.0 ^[1]	695.0*	968.0 ^[1]	831.0*	978.0 ^[1]	819.0*	938.0 ^[1]	740.0*	740.0	567.0	573.0 ^[1]										
80	B		791.0 ^[5]	633.0*	786.0 ^[2]	757.0*	788.0 ^[3]	746.0*	779.0 ^[2]	708.0*	708.0	573.0*	573.0	423.0	423.0								
	BV		978.0 ^[2]	633.0*	955.0 ^[1]	758.0*	945.0 ^[2]	748.0*	928.0 ^[1]	712.0*	726.0 ^[1]	577.0*	577.0	424.0	424.0								
85	B		741.0 ^[5]	579.0*	739.0 ^[3]	694.0*	736.0 ^[4]	686.0*	730.0 ^[2]	669.0*	678.0 ^[2]	569.0*	569.0	419.0	422.0 ^[1]								
	BV		930.0 ^[2]	579.0*	933.0 ^[1]	695.0*	908.0 ^[2]	687.0*	892.0 ^[1]	671.0*	715.0 ^[1]	573.0*	573.0	421.0	423.0 ^[1]								
90	B		693.0 ^[6]	533.0*	695.0 ^[4]	641.0*	694.0 ^[4]	634.0*	686.0 ^[3]	619.0*	652.0 ^[1]	562.0*	562.0	423.0*	423.0	315.0	315.0	275.0	275.0				
	BV		881.0 ^[2]	532.0*	884.0 ^[1]	642.0*	867.0 ^[2]	634.0*	853.0 ^[1]	621.0*	703.0 ^[1]	566.0*	566.0	416.0	422.0 ^[1]	316.0	316.0	276.0	276.0				
95	B		653.0 ^[4]	482.0*	654.0 ^[4]	595.0*	653.0 ^[3]	590.0*	648.0 ^[3]	576.0*	629.0 ^[1]	548.0*	552.0 ^[1]	418.0*	419.0 ^[1]	312.0	313.0 ^[1]	271.0	271.0	231.0	231.0		
	BV		833.0 ^[1]	482.0*	835.0 ^[1]	595.0*	827.0 ^[1]	590.0*	815.0 ^[1]	577.0*	691.0 ^[1]	550.0*	558.0 ^[1]	420.0*	421.0 ^[1]	313.0	314.0 ^[1]	272.0	272.0	231.0	231.0		
100	B		619.0 ^[9]		614.0 ^[5]	553.0*	619.0 ^[4]	550.0*	613.0 ^[3]	538.0*	601.0 ^[1]	525.0*	545.0 ^[1]	413.0*	417.0 ^[1]	312.0*	312.0	267.0	269.0 ^[1]	229.0	229.0	196.0	196.0
	BV		791.0 ^[3]		786.0 ^[1]	554.0*	786.0 ^[1]	550.0*	777.0 ^[1]	539.0*	667.0 ^[1]	526.0*	552.0 ^[1]	416.0*	419.0 ^[1]	313.0*	313.0	268.0	269.0 ^[1]	229.0	229.0	196.0	196.0
105	B		588.0 ^[11]		584.0 ^[5]	518.0*	588.0 ^[5]	514.0*	583.0 ^[3]	504.0*	571.0 ^[1]	492.0*	537.0 ^[1]	409.0*	414.0 ^[1]	309.0*	309.0	263.0	266.0 ^[1]	226.0	227.0 ^[1]	194.0	194.0
	BV		753.0 ^[4]		747.0 ^[1]	518.0*	749.0 ^[2]	514.0*	741.0 ^[1]	504.0*	642.0 ^[1]	494.0*	545.0 ^[1]	412.0*	417.0 ^[1]	311.0*	311.0	264.0	267.0 ^[1]	227.0	227.0	194.0	194.0
110	B		557.0 ^[1]		557.0 ^[4]	478.0*	561.0 ^[4]	482.0*	556.0 ^[4]	474.0*	545.0 ^[2]	462.0*	530.0 ^[1]	404.0*	412.0 ^[1]	307.0*	308.0 ^[1]	264.0*	264.0	224.0	226.0 ^[1]	192.0	193.0 ^[1]
	BV		716.0 ^[4]		712.0 ^[2]	478.0*	712.0 ^[2]	483.0*	707.0 ^[1]	474.0*	618.0 ^[1]	463.0*	539.0 ^[1]	407.0*	415.0 ^[1]	308.0*	309.0 ^[1]	265.0*	265.0	224.0	226.0 ^[1]	193.0	193.0
115	B		526.0 ^[11]		531.0 ^[7]	413.0*	535.0 ^[7]	454.0*	529.0 ^[4]	446.0*	520.0 ^[2]	437.0*	509.0 ^[1]	397.0*	409.0 ^[1]	305.0*	306.0 ^[1]	261.0*	262.0 ^[1]	225.0*	225.0	191.0	192.0 ^[1]
	BV		680.0 ^[5]		678.0 ^[2]	413.0*	676.0 ^[2]	455.0*	673.0 ^[1]	446.0*	594.0 ^[1]	437.0*	522.0 ^[1]	400.0*	412.0 ^[1]	306.0*	307.0 ^[1]	262.0*	262.0	225.0*	225.0	191.0	192.0 ^[1]
120	B		499.0 ^[11]		506.0 ^[7]		509.0 ^[7]	428.0*	505.0 ^[5]	421.0*	496.0 ^[2]	413.0*	487.0 ^[1]	390.0*	407.0 ^[1]	302.0*	304.0 ^[1]	258.0*	259.0 ^[1]	223.0*	223.0	191.0*	191.0
	BV		647.0 ^[6]		645.0 ^[2]		644.0 ^[3]	429.0*	639.0 ^[1]	421.0*	570.0 ^[1]	413.0*	504.0 ^[1]	392.0*	410.0 ^[1]	304.0*	306.0 ^[1]	259.0*	260.0 ^[1]	223.0*	223.0	191.0*	191.0
125	B		473.0 ^[10]		481.0 ^[8]		485.0 ^[8]	404.0*	482.0 ^[5]	398.0*	471.0 ^[2]	391.0*	466.0 ^[1]	379.0*	404.0 ^[1]	300.0*	302.0 ^[1]	255.0*	257.0 ^[1]	221.0*	221.0	189.0*	189.0
	BV		620.0 ^[9]		614.0 ^[5]		615.0 ^[3]	405.0*	608.0 ^[1]	398.0*	552.0 ^[1]	391.0*	487.0 ^[1]	380.0*	408.0 ^[1]	302.0*	304.0 ^[1]	256.0*	258.0 ^[1]	221.0*	222.0 ^[1]	189.0*	189.0
130	B		450.0 ^[10]		459.0 ^[8]		462.0 ^[8]	372.0*	459.0 ^[5]	377.0*	449.0 ^[3]	371.0*	444.0 ^[1]	365.0*	395.0 ^[1]	298.0*	300.0 ^[1]	252.0*	254.0 ^[1]	219.0*	219.0	188.0*	188.0
	BV		587.0 ^[10]		585.0 ^[5]		588.0 ^[4]	372.0*	583.0 ^[2]	378.0*	535.0 ^[1]	371.0*	470.0 ^[1]	364.0*	400.0 ^[1]	300.0*	302.0 ^[1]	254.0*	256.0 ^[1]	220.0*	220.0	188.0*	188.0
135	B		428.0 ^[9]		440.0 ^[11]		442.0 ^[9]	318.0*	438.0 ^[6]	359.0*	431.0 ^[3]	352.0*	423.0 ^[1]	347.0*	387.0 ^[1]	296.0*	298.0 ^[1]	250.0*	252.0 ^[1]	218.0*	218.0	186.0*	186.0
	BV		552.0 ^[9]		560.0 ^[4]		563.0 ^[4]	319.0*	558.0 ^[2]	359.0*	518.0 ^[1]	352.0*	453.0 ^[1]	346.0*	392.0 ^[1]	298.0*	300.0 ^[1]	251.0*	253.0 ^[1]	218.0*	219.0 ^[1]	186.0*	186.0
140	B		408.0 ^[8]		420.0 ^[11]		425.0 ^[10]		420.0 ^[6]	341.0*	412.0 ^[3]	335.0*	405.0 ^[1]	331.0*	379.0 ^[1]	293.0*	296.0 ^[1]	247.0*	250.0 ^[1]	216.0*	216.0	184.0*	185.0 ^[1]
	BV		520.0 ^[9]		531.0 ^[4]		538.0 ^[4]		532.0 ^[2]	341.0*	500.0 ^[1]	336.0*	438.0 ^[1]	330.0*	384.0 ^[1]	295.0*	299.0 ^[1]	248.0*	251.0 ^[1]	217.0*	217.0	185.0*	185.0
145	B		389.0 ^[8]		400.0 ^[11]		407.0 ^[11]		405.0 ^[7]	325.0*	395.0 ^[3]	319.0*	389.0 ^[2]	315.0*	371.0 ^[1]	289.0*	294.0 ^[1]	244.0*	247.0 ^[1]	214.0*	215.0 ^[1]	183.0*	183.0
	BV		489.0 ^[8]		505.0 ^[5]		514.0 ^[5]		507.0 ^[2]	325.0*	483.0 ^[1]	320.0*	425.0 ^[1]	315.0*	376.0 ^[1]	291.0*	296.0 ^[1]	245.0*	249.0 ^[1]	215.0*	215.0	183.0*	184.0 ^[1]
150">																							



40 LR1800-1.0



 ft	HS 158 ft																						
	W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft		
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
36	B	992.0	992.0																				
	BV	992.0	992.0																				
38	B	992.0	992.0																				
	BV	992.0	992.0																				
40	B	992.0	992.0	992.0	992.0																		
	BV	992.0	992.0	992.0	992.0																		
45	B	992.0*	992.0	992.0	992.0	992.0	992.0																
	BV	992.0*	992.0	992.0	992.0	992.0	992.0																
50	B	992.0*	992.0	992.0*	992.0	992.0	992.0	891.0	891.0														
	BV	992.0*	992.0	992.0*	992.0	992.0	992.0	898.0	898.0														
55	B	992.0*	992.0	992.0*	992.0	992.0*	992.0	876.0	891.0 ^[1]														
	BV	992.0*	992.0	992.0*	992.0	992.0*	992.0	884.0	900.0 ^[1]														
60	B	958.0*	992.0 ^[1]	992.0*	992.0	987.0*	987.0	897.0*	897.0	691.0	691.0												
	BV	956.0*	992.0 ^[2]	992.0*	992.0	992.0*	992.0	908.0*	908.0	694.0	694.0												
65	B	847.0*	952.0 ^[1]	902.0*	933.0 ^[3]	932.0*	935.0 ^[2]	883.0*	883.0	681.0	690.0 ^[1]												
	BV	846.0*	992.0 ^[2]	904.0*	992.0 ^[1]	992.0*	992.0	897.0*	903.0 ^[3]	686.0	695.0 ^[1]												
70	B	755.0*	895.0 ^[2]	804.0*	880.0 ^[1]	874.0*	881.0 ^[2]	854.0*	854.0	698.0*	698.0	535.0	535.0										
	BV	756.0*	992.0 ^[3]	805.0*	987.0 ^[1]	959.0*	985.0 ^[1]	885.0*	900.0 ^[1]	704.0*	704.0	537.0	537.0										
75	B	680.0*	836.0 ^[3]	725.0*	828.0 ^[1]	820.0*	826.0 ^[2]	806.0*	810.0 ^[2]	689.0*	689.0	530.0	534.0 ^[1]										
	BV	680.0*	986.0 ^[1]	725.0*	974.0 ^[2]	893.0*	983.0 ^[1]	864.0*	896.0 ^[1]	697.0*	701.0 ^[1]	532.0	537.0 ^[1]										
80	B	567.0*	783.0 ^[4]	658.0*	777.0 ^[2]	773.0*	778.0 ^[3]	761.0*	766.0 ^[2]	681.0*	681.0	540.0*	540.0	406.0	406.0								
	BV	568.0*	983.0 ^[1]	658.0*	938.0 ^[2]	815.0*	951.0 ^[1]	806.0*	893.0 ^[1]	690.0*	699.0 ^[1]	543.0*	543.0	406.0	406.0								
85	B		736.0 ^[4]	600.0*	730.0 ^[3]	729.0*	733.0 ^[4]	719.0*	723.0 ^[3]	668.0*	668.0	536.0*	536.0	402.0	404.0 ^[1]								
	BV		931.0 ^[1]	600.0*	902.0 ^[1]	746.0*	914.0 ^[2]	740.0*	882.0 ^[1]	676.0*	698.0 ^[1]	540.0*	540.0	403.0	405.0 ^[1]								
90	B		695.0 ^[7]	551.0*	689.0 ^[4]	686.0*	693.0 ^[5]	679.0*	685.0 ^[3]	647.0*	647.0	531.0*	531.0	398.0	402.0 ^[1]	303.0	303.0						
	BV		881.0 ^[3]	551.0*	870.0 ^[1]	688.0*	870.0 ^[2]	683.0*	844.0 ^[3]	650.0*	697.0 ^[1]	536.0*	539.0 ^[1]	399.0	404.0 ^[1]	304.0	304.0						
95	B		654.0 ^[7]	507.0*	652.0 ^[5]	636.0*	655.0 ^[5]	633.0*	650.0 ^[4]	616.0*	616.0	524.0*	526.0 ^[1]	401.0*	401.0	300.0	301.0 ^[1]	260.0	260.0				
	BV		834.0 ^[3]	506.0*	827.0 ^[1]	637.0*	826.0 ^[2]	633.0*	805.0 ^[1]	617.0*	696.0 ^[1]	531.0*	538.0 ^[1]	404.0*	404.0	300.0	301.0 ^[1]	261.0	261.0				
100	B		614.0 ^[8]		617.0 ^[5]	592.0*	619.0 ^[4]	589.0*	617.0 ^[4]	574.0*	590.0 ^[1]	515.0*	521.0 ^[1]	397.0*	399.0 ^[3]	296.0	299.0 ^[1]	257.0	258.0 ^[1]	221.0	221.0		
	BV		788.0 ^[2]		786.0 ^[2]	593.0*	781.0 ^[2]	590.0*	767.0 ^[1]	576.0*	689.0 ^[1]	522.0*	536.0 ^[1]	399.0*	402.0 ^[1]	297.0	300.0 ^[1]	257.0	258.0 ^[1]	221.0	221.0	190.0	190.0
105	B		581.0 ^[9]		583.0 ^[5]	553.0*	587.0 ^[4]	551.0*	583.0 ^[4]	537.0*	563.0 ^[1]	504.0*	516.0 ^[1]	393.0*	397.0 ^[1]	298.0*	298.0	253.0	256.0 ^[1]	219.0	219.0	188.0	188.0
	BV		747.0 ^[4]		746.0 ^[2]	554.0*	742.0 ^[3]	552.0*	730.0 ^[2]	539.0*	668.0 ^[1]	508.0*	535.0 ^[1]	396.0*	400.0 ^[1]	299.0*	299.0	253.0	256.0 ^[1]	219.0	219.0	188.0	188.0
110	B		553.0 ^[11]		552.0 ^[4]	518.0*	555.0 ^[4]	517.0*	552.0 ^[5]	504.0*	538.0 ^[3]	489.0*	511.0 ^[1]	389.0*	395.0 ^[1]	296.0*	296.0	254.0*	254.0	216.0	218.0 ^[1]	186.0	186.0
	BV		708.0 ^[4]		707.0 ^[2]	517.0*	704.0 ^[2]	518.0*	696.0 ^[1]	506.0*	647.0 ^[1]	490.0*	533.0 ^[1]	393.0*	398.0 ^[1]	297.0*	297.0	255.0*	255.0	217.0	218.0 ^[1]	186.0	186.0
115	B		524.0 ^[11]		524.0 ^[4]	469.0*	529.0 ^[7]	486.0*	526.0 ^[3]	475.0*	515.0 ^[3]	466.0*	501.0 ^[1]	386.0*	393.0 ^[1]	293.0*	294.0 ^[1]	252.0*	252.0	217.0*	217.0	184.0	185.0 ^[1]
	BV		676.0 ^[4]		672.0 ^[2]	470.0*	672.0 ^[2]	487.0*	666.0 ^[1]	477.0*	625.0 ^[1]	466.0*	529.0 ^[1]	390.0*	397.0 ^[1]	295.0*	296.0 ^[1]	253.0*	253.0	217.0*	217.0	184.0	185.0 ^[1]
120	B		496.0 ^[11]		501.0 ^[8]		506.0 ^[8]	458.0*	502.0 ^[3]	448.0*	492.0 ^[1]	440.0*	481.0 ^[1]	383.0*	391.0 ^[1]	291.0*	293.0 ^[1]	249.0*	250.0 ^[1]	216.0*	216.0	185.0*	185.0
	BV		646.0 ^[7]		642.0 ^[3]		641.0 ^[3]	459.0*	635.0 ^[1]	450.0*	604.0 ^[1]	440.0*	517.0 ^[1]	387.0*	395.0 ^[1]	293.0*	294.0 ^[1]	250.0*	251.0 ^[1]	216.0*	216.0	185.0*	185.0
125	B		472.0 ^[11]		481.0 ^[10]		485.0 ^[9]	433.0*	481.0 ^[4]	424.0*	470.0 ^[1]	416.0*	460.0 ^[1]	378.0*	389.0 ^[1]	289.0*	291.0 ^[1]	247.0*	248.0 ^[1]	214.0*	214.0	183.0*	183.0
	BV		616.0 ^[7]		615.0 ^[4]		612.0 ^[4]	434.0*	607.0 ^[2]	425.0*	582.0 ^[1]	417.0*	505.0 ^[1]	382.0*	393.0 ^[1]	291.0*	293.0 ^[1]	248.0*	249.0 ^[1]	214.0*	215.0 ^[1]	183.0*	184.0 ^[1]
130	B		448.0 ^[11]		460.0 ^[11]		465.0 ^[10]	406.0*	461.0 ^[4]	402.0*	450.0 ^[3]	394.0*	443.0 ^[2]	372.0*	385.0 ^[1]	287.0*	289.0 ^[1]	244.0*	246.0 ^[1]	212.0*	213.0*	182.0*	182.0
	BV		586.0 ^[8]		587.0 ^[4]		585.0 ^[4]	407.0*	580.0 ^[2]	403.0*	562.0 ^[1]	395.0*	493.0 ^[1]	374.0*	391.0 ^[1]	289.0*	291.0 ^[1]	245.0*	247.0 ^[1]	213.0*	213.0	182.0*	182.0
135	B		425.0 ^[10]		438.0 ^[11]		444.0 ^[10]	364.0*	443.0 ^[7]	382.0*	432.0 ^[4]	375.0*	426.0 ^[2]	361.0*	378.0 ^[2]	285.0*	288.0 ^[1]	241.0*	244.0 ^[1]	211.0*	211.0	180.0*	181.0 ^[1]
	BV		561.0 ^[10]		560.0 ^[4]		561.0 ^[5]	364.0*	556.0 ^[3]	383.0*	541.0 ^[1]	375.0*	481.0 ^[1]	362.0*	387.0 ^[1]	288.0*	290.0 ^[1]	242.0*	245.0 ^[1]	211.0*	212.0 ^[1]	181.0*	181.0
140	B		406.0 ^[10]		417.0 ^[11]		423.0 ^[10]		425.0 ^[8]	364.0*	415.0 ^[4]	357.0*	409.0 ^[2]	349.0*	376.0 ^[2]	283.0*	286.0 ^[1]	239.0*	242.0 ^[1]	209.0*	210.0*	179.0*	179.0
	BV		535.0 ^[10]		534.0 ^[5]		536.0 ^[5]		533.0 ^[3]	364.0*	520.0 ^[1]	358.0*	470.0 ^[1]	349.0*	383.0 ^[1]	286.0*	289.0 ^[1]	240.0*	243.0 ^[1]	210.0*	210.0	179.0*	180.0 ^[1]
145	B		386.0 ^[9]		398.0 ^[11]		404.0 ^[11]		408.0 ^[9]	346.0*	398.0 ^[4]	341.0*	391.0 ^[2]	336.0*	374.0 ^[2]	281.0*	285.0 ^[2]	236.0*	240.0 ^[1]	208.0*	208.0	178.0*	178.0
	BV		510.0 ^[9]		512.0 ^[5]		515.0 ^[4]		510.0 ^[4]	347.0*	499.0 ^[1]	341.0*	458.0 ^[1]	336.0*	380.0 ^[1]	284.0*	287.0 ^[2]	237.0*	241.0 ^[1]	208.0*	209.0 ^{[1]</}		



661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb

Wmax
64

 ft		HS 158 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
180	B				292.0 ⁽⁸⁾		295.0 ⁽¹⁰⁾		306.0 ⁽¹¹⁾		301.0 ⁽⁷⁾	253.0*	297.0 ⁽⁵⁾	249.0*	293.0 ⁽²⁾	243.0*	268.0 ⁽¹⁾	218.0*	227.0 ⁽²⁾	198.0*	201.0 ⁽²⁾	168.0*	170.0 ⁽²⁾
	BV				374.0 ⁽⁸⁾		387.0 ⁽¹⁰⁾		391.0 ⁽⁷⁾		380.0 ⁽²⁾	253.0*	373.0 ⁽¹⁾	250.0*	337.0 ⁽¹⁾	243.0*	273.0 ⁽²⁾	220.0*	229.0 ⁽²⁾	199.0*	202.0 ⁽²⁾	169.0*	171.0 ⁽²⁾
185	B				280.0 ⁽⁸⁾		282.0 ⁽¹⁰⁾		294.0 ⁽¹¹⁾		291.0 ⁽⁷⁾	244.0*	286.0 ⁽⁴⁾	239.0*	284.0 ⁽²⁾	234.0*	263.0 ⁽²⁾	215.0*	225.0 ⁽²⁾	196.0*	199.0 ⁽²⁾	167.0*	169.0 ⁽²⁾
	BV				355.0 ⁽⁸⁾		370.0 ⁽¹⁰⁾		377.0 ⁽⁷⁾		367.0 ⁽³⁾	244.0*	361.0 ⁽¹⁾	240.0*	328.0 ⁽¹⁾	234.0*	270.0 ⁽²⁾	217.0*	227.0 ⁽²⁾	197.0*	201.0 ⁽²⁾	168.0*	170.0 ⁽²⁾
190	B				268.0 ⁽⁷⁾		271.0 ⁽⁹⁾		281.0 ⁽¹¹⁾		282.0 ⁽⁸⁾	238.0*	277.0 ⁽⁴⁾	231.0*	274.0 ⁽²⁾	225.0*	259.0 ⁽²⁾	212.0*	223.0 ⁽²⁾	195.0*	198.0 ⁽²⁾	166.0*	168.0 ⁽²⁾
	BV				336.0 ⁽⁷⁾		352.0 ⁽⁹⁾		366.0 ⁽¹⁰⁾		355.0 ⁽³⁾	238.0*	349.0 ⁽¹⁾	231.0*	320.0 ⁽¹⁾	226.0*	267.0 ⁽¹⁾	214.0*	225.0 ⁽²⁾	196.0*	199.0 ⁽²⁾	166.0*	169.0 ⁽²⁾
195	B				258.0 ⁽⁷⁾		260.0 ⁽⁹⁾		269.0 ⁽¹⁰⁾		273.0 ⁽⁹⁾	232.0*	268.0 ⁽⁵⁾	223.0*	265.0 ⁽³⁾	217.0*	255.0 ⁽²⁾	208.0*	221.0 ⁽³⁾	193.0*	197.0 ⁽³⁾	164.0*	167.0 ⁽²⁾
	BV				318.0 ⁽⁷⁾		335.0 ⁽⁹⁾		353.0 ⁽¹⁰⁾		342.0 ⁽³⁾	231.0*	337.0 ⁽¹⁾	223.0*	313.0 ⁽¹⁾	217.0*	264.0 ⁽¹⁾	209.0*	223.0 ⁽³⁾	194.0*	198.0 ⁽³⁾	165.0*	168.0 ⁽²⁾
200	B						248.0 ⁽⁸⁾		258.0 ⁽¹⁰⁾		265.0 ⁽¹⁰⁾	218.0*	260.0 ⁽⁵⁾	215.0*	257.0 ⁽³⁾	209.0*	250.0 ⁽²⁾	204.0*	219.0 ⁽²⁾	191.0*	196.0 ⁽³⁾	163.0*	166.0 ⁽²⁾
	BV						318.0 ⁽⁸⁾		338.0 ⁽¹⁰⁾		332.0 ⁽⁴⁾	218.0*	326.0 ⁽¹⁾	215.0*	306.0 ⁽¹⁾	210.0*	261.0 ⁽¹⁾	205.0*	221.0 ⁽²⁾	192.0*	198.0 ⁽³⁾	164.0*	166.0 ⁽²⁾
210	B						228.0 ⁽⁷⁾		237.0 ⁽⁹⁾		249.0 ⁽¹¹⁾	180.0*	245.0 ⁽⁶⁾	200.0*	241.0 ⁽³⁾	195.0*	235.0 ⁽²⁾	193.0*	214.0 ⁽²⁾	184.0*	194.0 ⁽³⁾	161.0*	164.0 ⁽³⁾
	BV						285.0 ⁽⁷⁾		308.0 ⁽⁹⁾		314.0 ⁽⁵⁾	180.0*	306.0 ⁽²⁾	200.0*	292.0 ⁽¹⁾	195.0*	255.0 ⁽¹⁾	193.0*	217.0 ⁽²⁾	185.0*	195.0 ⁽³⁾	161.0*	165.0 ⁽³⁾
220	B								217.0 ⁽⁸⁾		233.0 ⁽¹¹⁾		231.0 ⁽⁷⁾	187.0*	227.0 ⁽⁴⁾	182.0*	221.0 ⁽²⁾	181.0*	207.0 ⁽³⁾	176.0*	190.0 ⁽³⁾	158.0*	162.0 ⁽³⁾
	BV								279.0 ⁽⁸⁾		291.0 ⁽⁵⁾		287.0 ⁽²⁾	187.0*	277.0 ⁽¹⁾	182.0*	246.0 ⁽¹⁾	181.0*	211.0 ⁽²⁾	177.0*	191.0 ⁽³⁾	159.0*	163.0 ⁽³⁾
230	B								199.0 ⁽⁷⁾		214.0 ⁽¹¹⁾		217.0 ⁽⁷⁾	174.0*	213.0 ⁽⁴⁾	170.0*	208.0 ⁽³⁾	169.0*	202.0 ⁽³⁾	165.0*	186.0 ⁽³⁾	155.0*	159.0 ⁽³⁾
	BV								250.0 ⁽⁷⁾		271.0 ⁽⁶⁾		267.0 ⁽²⁾	175.0*	263.0 ⁽¹⁾	170.0*	237.0 ⁽¹⁾	169.0*	206.0 ⁽²⁾	165.0*	186.0 ⁽²⁾	155.0*	161.0 ⁽³⁾
240	B										196.0 ⁽¹⁰⁾		206.0 ⁽¹⁰⁾	159.0*	201.0 ⁽⁵⁾	159.0*	196.0 ⁽³⁾	158.0*	192.0 ⁽³⁾	155.0*	182.0 ⁽³⁾	148.0*	157.0 ⁽³⁾
	BV										256.0 ⁽⁸⁾		251.0 ⁽⁵⁾	159.0*	248.0 ⁽¹⁾	159.0*	227.0 ⁽¹⁾	158.0*	200.0 ⁽²⁾	155.0*	183.0 ⁽²⁾	149.0*	158.0 ⁽³⁾
250	B										180.0 ⁽⁹⁾		194.0 ⁽¹⁰⁾	133.0*	189.0 ⁽⁵⁾	149.0*	183.0 ⁽³⁾	148.0*	182.0 ⁽³⁾	145.0*	175.0 ⁽²⁾	140.0*	155.0 ⁽³⁾
	BV										237.0 ⁽⁹⁾		236.0 ⁽⁴⁾	133.0*	233.0 ⁽¹⁾	149.0*	218.0 ⁽¹⁾	148.0*	194.0 ⁽²⁾	145.0*	179.0 ⁽²⁾	141.0*	156.0 ⁽³⁾
260	B										165.0 ⁽⁸⁾		182.0 ⁽¹⁰⁾		179.0 ⁽⁶⁾	140.0*	174.0 ⁽⁴⁾	139.0*	172.0 ⁽³⁾	136.0*	168.0 ⁽²⁾	132.0*	151.0 ⁽³⁾
	BV										214.0 ⁽⁸⁾		224.0 ⁽⁵⁾		221.0 ⁽²⁾	140.0*	209.0 ⁽¹⁾	139.0*	188.0 ⁽²⁾	136.0*	174.0 ⁽²⁾	132.0*	153.0 ⁽³⁾
270	B										151.0 ⁽⁷⁾		168.0 ⁽¹¹⁾		170.0 ⁽⁷⁾	131.0*	164.0 ⁽⁴⁾	130.0*	162.0 ⁽⁴⁾	128.0*	159.0 ⁽³⁾	124.0*	147.0 ⁽³⁾
	BV										192.0 ⁽⁷⁾		213.0 ⁽⁶⁾		207.0 ⁽²⁾	131.0*	200.0 ⁽¹⁾	131.0*	181.0 ⁽²⁾	128.0*	169.0 ⁽²⁾	124.0*	149.0 ⁽³⁾
280	B												155.0 ⁽¹⁰⁾		161.0 ⁽⁸⁾	120.0*	156.0 ⁽⁵⁾	123.0*	155.0 ⁽⁴⁾	120.0*	151.0 ⁽³⁾	116.0*	144.0 ⁽³⁾
	BV												199.0 ⁽⁸⁾		196.0 ⁽³⁾	120.0*	190.0 ⁽¹⁾	123.0*	175.0 ⁽¹⁾	120.0*	164.0 ⁽²⁾	116.0*	145.0 ⁽³⁾
290	B												142.0 ⁽⁹⁾		153.0 ⁽⁹⁾	98.7*	147.0 ⁽⁴⁾	115.0*	145.0 ⁽⁵⁾	113.0*	143.0 ⁽⁴⁾	109.0*	140.0 ⁽³⁾
	BV												186.0 ⁽⁹⁾		183.0 ⁽⁴⁾	98.7*	178.0 ⁽¹⁾	115.0*	170.0 ⁽¹⁾	113.0*	159.0 ⁽²⁾	109.0*	142.0 ⁽³⁾
300	B												130.0 ⁽⁸⁾		144.0 ⁽¹⁰⁾		140.0 ⁽⁶⁾	105.0*	139.0 ⁽⁵⁾	107.0*	136.0 ⁽⁴⁾	103.0*	131.0 ⁽³⁾
	BV												170.0 ⁽⁸⁾		172.0 ⁽⁴⁾		168.0 ⁽²⁾	105.0*	162.0 ⁽¹⁾	106.0*	153.0 ⁽²⁾	103.0*	139.0 ⁽²⁾
310	B												119.0 ⁽⁷⁾		134.0 ⁽¹¹⁾		133.0 ⁽⁷⁾	85.2*	131.0 ⁽⁶⁾	99.6*	127.0 ⁽⁵⁾	96.9*	124.0 ⁽⁴⁾
	BV												152.0 ⁽⁷⁾		163.0 ⁽⁵⁾		158.0 ⁽²⁾	85.2*	155.0 ⁽²⁾	99.6*	147.0 ⁽²⁾	96.9*	135.0 ⁽²⁾
320	B														123.0 ⁽¹⁰⁾		126.0 ⁽⁸⁾		124.0 ⁽⁶⁾	89.8*	121.0 ⁽⁵⁾	90.8*	117.0 ⁽⁴⁾
	BV														155.0 ⁽⁴⁾		149.0 ⁽³⁾		148.0 ⁽²⁾	89.8*	142.0 ⁽²⁾	90.8*	130.0 ⁽²⁾
330	B														112.0 ⁽⁹⁾		119.0 ⁽¹⁰⁾		117.0 ⁽⁷⁾	71.5*	114.0 ⁽⁴⁾	84.7*	111.0 ⁽³⁾
	BV														148.0 ⁽⁷⁾		142.0 ⁽³⁾		140.0 ⁽²⁾	71.6*	136.0 ⁽²⁾	84.8*	126.0 ⁽²⁾
340	B														102.0 ⁽⁸⁾		113.0 ⁽¹⁰⁾		110.0 ⁽⁸⁾		108.0 ⁽⁴⁾	75.1*	104.0 ⁽³⁾
	BV														136.0 ⁽⁸⁾		135.0 ⁽⁴⁾		133.0 ⁽³⁾		130.0 ⁽²⁾	75.1*	122.0 ⁽²⁾
350	B														92.8 ⁽⁷⁾		106.0 ⁽¹¹⁾		105.0 ⁽¹⁰⁾		102.0 ⁽⁷⁾	59.0*	98.2 ⁽⁶⁾
	BV														121.0 ⁽⁷⁾		128.0 ⁽⁵⁾		127.0 ⁽³⁾		124.0 ⁽²⁾	59.0*	118.0 ⁽²⁾
360	B																97.0 ⁽¹⁰⁾		99.9 ⁽¹⁰⁾		96.2 ⁽⁷⁾		92.8 ⁽⁶⁾
	BV																122.0 ⁽⁶⁾		121.0 ⁽⁴⁾		117.0 ⁽³⁾		113.0 ⁽²⁾
370	B																87.8 ⁽⁹⁾		93.8 ⁽¹⁰⁾		91.4 ⁽⁸⁾		87.5 ⁽⁶⁾
	BV																116.0 ⁽⁷⁾		114.0 ⁽⁵⁾		111.0 ⁽³⁾		107.0 ⁽²⁾
380	B																79.1 ⁽⁸⁾		85.6 ⁽¹⁰⁾		87.0 ⁽⁹⁾		83.4 ⁽⁷⁾
	BV																107.0 ⁽⁸⁾		108.0 ⁽⁶⁾		106.0 ⁽⁴⁾		102.0 ⁽³⁾
390	B																71.0 ⁽⁷⁾		77.3 ⁽⁹⁾		82.6 ⁽¹⁰⁾		79.2 ⁽⁸⁾
	BV																94.6 ⁽⁷⁾		102.0 ⁽⁷⁾		99.3 ⁽⁵⁾		95.1 ⁽³⁾
400	B																		69.1 ⁽⁸⁾		75.1 ⁽¹⁰⁾		75.7 ⁽⁹⁾
	BV																		94.3 ⁽⁸⁾		93.3 ⁽⁶⁾		90.0 ⁽⁴⁾
410	B																		61.3 ⁽⁷⁾		67.1 ⁽⁹⁾		71.6 ⁽¹⁰⁾
	BV																		83.3 ⁽⁷⁾		87.5 ⁽⁵⁾		84.5 ⁽⁵⁾
420	B																				59.5 ⁽⁸⁾		64.6 ⁽¹⁰⁾
	BV																				81.9 ⁽⁸⁾		79.5 ⁽⁶⁾
430	B																				52.3 ⁽⁷⁾		57.1 ⁽⁹⁾
	BV																				71.9 ⁽⁷⁾		74.4 ⁽⁷⁾
440	B																						49.9 ⁽⁸⁾
	BV																						



661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



64

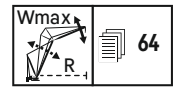
 ft	HS 177 ft																					
	W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
36	B	992.0	992.0																			
	BV	992.0	992.0																			
38	B	992.0	992.0																			
	BV	992.0	992.0																			
40	B	992.0	992.0																			
	BV	992.0	992.0																			
45	B	992.0*	992.0	992.0	992.0	947.0	947.0															
	BV	992.0*	992.0	992.0	992.0	958.0	958.0															
50	B	992.0*	992.0	992.0*	992.0	920.0	939.0 ^[1]	828.0	828.0													
	BV	992.0*	992.0	992.0*	992.0	931.0	954.0 ^[1]	834.0	834.0													
55	B	992.0*	992.0	992.0*	992.0	952.0*	952.0	814.0	825.0 ^[1]													
	BV	992.0*	992.0	992.0*	992.0	971.0*	971.0	820.0	832.0 ^[1]													
60	B	992.0*	992.0	976.0*	976.0	926.0*	926.0	836.0*	836.0	644.0	644.0											
	BV	992.0*	992.0	989.0*	992.0 ^[1]	945.0*	957.0 ^[1]	845.0*	845.0	647.0	647.0											
65	B	881.0*	938.0 ^[1]	922.0*	925.0 ^[1]	892.0*	892.0	824.0*	824.0	635.0	641.0 ^[1]											
	BV	881.0*	992.0 ^[1]	939.0*	992.0 ^[1]	916.0*	947.0 ^[1]	835.0*	839.0 ^[1]	639.0	645.0 ^[1]											
70	B	782.0*	882.0 ^[1]	845.0*	873.0 ^[1]	848.0*	848.0	802.0*	802.0	625.0	644.0 ^[1]	502.0	502.0									
	BV	782.0*	992.0 ^[1]	846.0*	992.0 ^[1]	884.0*	937.0 ^[1]	817.0*	837.0 ^[1]	630.0	649.0 ^[1]	503.0	503.0									
75	B	704.0*	825.0 ^[1]	762.0*	821.0 ^[1]	800.0*	804.0 ^[1]	775.0*	775.0	644.0*	644.0	497.0	500.0 ^[1]									
	BV	703.0*	984.0 ^[1]	760.0*	972.0 ^[1]	844.0*	927.0 ^[1]	797.0*	834.0 ^[1]	651.0*	653.0 ^[1]	499.0	502.0 ^[1]									
80	B	629.0*	773.0 ^[1]	691.0*	768.0 ^[1]	756.0*	761.0 ^[1]	741.0*	741.0	636.0*	636.0	491.0	501.0 ^[1]	386.0	386.0							
	BV	631.0*	943.0 ^[1]	691.0*	945.0 ^[1]	805.0*	916.0 ^[1]	771.0*	832.0 ^[1]	644.0*	653.0 ^[1]	494.0	505.0 ^[1]	387.0	387.0							
85	B		727.0 ^[1]	632.0*	722.0 ^[1]	715.0*	719.0 ^[1]	703.0*	706.0 ^[1]	628.0*	628.0	502.0*	502.0	383.0	384.0 ^[1]							
	BV		914.0 ^[1]	632.0*	899.0 ^[1]	765.0*	874.0 ^[1]	739.0*	829.0 ^[1]	637.0*	654.0 ^[1]	507.0*	507.0	383.0	385.0 ^[1]							
90	B		686.0 ^[1]	580.0*	680.0 ^[1]	678.0*	681.0 ^[1]	669.0*	672.0 ^[1]	617.0*	617.0	498.0*	499.0 ^[1]	378.0	382.0 ^[1]	289.0	289.0					
	BV		867.0 ^[1]	579.0*	854.0 ^[1]	711.0*	833.0 ^[1]	703.0*	809.0 ^[1]	630.0*	654.0 ^[1]	503.0*	506.0 ^[1]	380.0	384.0 ^[1]	290.0	290.0					
95	B		650.0 ^[1]	516.0*	644.0 ^[1]	644.0*	646.0 ^[1]	636.0*	638.0 ^[1]	602.0*	602.0	491.0*	496.0 ^[1]	378.0*	382.0 ^[1]	286.0	287.0 ^[1]	249.0	249.0			
	BV		822.0 ^[1]	516.0*	809.0 ^[1]	659.0*	791.0 ^[1]	657.0*	774.0 ^[1]	615.0*	655.0 ^[1]	498.0*	506.0 ^[1]	381.0*	384.0 ^[1]	287.0	288.0 ^[1]	249.0	249.0			
100	B		615.0 ^[1]	448.0*	611.0 ^[1]	609.0*	614.0 ^[1]	604.0*	608.0 ^[1]	580.0*	580.0	485.0*	493.0 ^[1]	379.0*	380.0 ^[1]	283.0	286.0 ^[1]	246.0	247.0 ^[1]	212.0	212.0	
	BV		781.0 ^[1]	448.0*	771.0 ^[1]	613.0*	749.0 ^[1]	611.0*	739.0 ^[1]	588.0*	655.0 ^[1]	493.0*	505.0 ^[1]	381.0*	383.0 ^[1]	283.0	287.0 ^[1]	246.0	247.0 ^[1]	212.0	212.0	
105	B		580.0 ^[1]		581.0 ^[1]	570.0*	583.0 ^[1]	570.0*	579.0 ^[1]	554.0*	557.0 ^[1]	480.0*	491.0 ^[1]	374.0*	378.0 ^[1]	285.0*	285.0	242.0	245.0 ^[1]	210.0	211.0 ^[1]	181.0
	BV		742.0 ^[1]		733.0 ^[1]	570.0*	712.0 ^[1]	570.0*	703.0 ^[1]	557.0*	643.0 ^[1]	488.0*	505.0 ^[1]	377.0*	381.0 ^[1]	286.0*	286.0	243.0	246.0 ^[1]	210.0	211.0 ^[1]	181.0
110	B		547.0 ^[1]		553.0 ^[1]	533.0*	554.0 ^[1]	535.0*	552.0 ^[1]	522.0*	534.0 ^[1]	473.0*	488.0 ^[1]	371.0*	377.0 ^[1]	283.0*	283.0	244.0*	244.0	208.0	210.0 ^[1]	179.0
	BV		705.0 ^[1]		697.0 ^[1]	534.0*	683.0 ^[1]	535.0*	668.0 ^[1]	523.0*	622.0 ^[1]	481.0*	504.0 ^[1]	375.0*	380.0 ^[1]	284.0*	284.0	240.0	244.0 ^[1]	208.0	210.0 ^[1]	179.0
115	B		519.0 ^[1]		525.0 ^[1]	488.0*	526.0 ^[1]	502.0*	525.0 ^[1]	491.0*	511.0 ^[1]	463.0*	485.0 ^[1]	368.0*	375.0 ^[1]	281.0*	282.0 ^[1]	242.0*	242.0	209.0*	209.0	177.0
	BV		670.0 ^[1]		665.0 ^[1]	491.0*	653.0 ^[1]	503.0*	640.0 ^[1]	492.0*	600.0 ^[1]	469.0*	504.0 ^[1]	372.0*	379.0 ^[1]	283.0*	283.0	243.0*	243.0	209.0*	209.0	177.0
120	B		494.0 ^[1]		499.0 ^[1]	414.0*	502.0 ^[1]	472.0*	500.0 ^[1]	464.0*	488.0 ^[1]	448.0*	472.0 ^[1]	365.0*	373.0 ^[1]	279.0*	280.0 ^[1]	240.0*	240.0	208.0*	208.0	178.0*
	BV		638.0 ^[1]		635.0 ^[1]	414.0*	624.0 ^[1]	474.0*	615.0 ^[1]	464.0*	579.0 ^[1]	451.0*	498.0 ^[1]	369.0*	377.0 ^[1]	281.0*	282.0 ^[1]	240.0*	241.0 ^[1]	208.0*	208.0	178.0*
125	B		468.0 ^[1]		473.0 ^[1]		478.0 ^[1]	446.0*	477.0 ^[1]	439.0*	465.0 ^[1]	430.0*	453.0 ^[1]	362.0*	372.0 ^[1]	277.0*	279.0 ^[1]	237.0*	238.0 ^[1]	206.0*	206.0	177.0*
	BV		611.0 ^[1]		607.0 ^[1]		597.0 ^[1]	447.0*	591.0 ^[1]	439.0*	558.0 ^[1]	431.0*	490.0 ^[1]	366.0*	376.0 ^[1]	279.0*	281.0 ^[1]	238.0*	239.0 ^[1]	207.0*	207.0	177.0*
130	B		444.0 ^[1]		454.0 ^[1]		459.0 ^[1]	421.0*	456.0 ^[1]	415.0*	447.0 ^[1]	408.0*	434.0 ^[1]	359.0*	370.0 ^[1]	276.0*	278.0 ^[1]	235.0*	237.0 ^[1]	205.0*	205.0	176.0*
	BV		586.0 ^[1]		581.0 ^[1]		571.0 ^[1]	422.0*	566.0 ^[1]	416.0*	449.0 ^[1]	409.0*	434.0 ^[1]	362.0*	375.0 ^[1]	277.0*	280.0 ^[1]	236.0*	238.0 ^[1]	205.0*	206.0 ^[1]	176.0*
135	B		423.0 ^[1]		435.0 ^[1]		441.0 ^[1]	393.0*	438.0 ^[1]	394.0*	428.0 ^[1]	388.0*	420.0 ^[1]	356.0*	364.0 ^[1]	274.0*	276.0 ^[1]	232.0*	235.0 ^[1]	204.0*	204.0	174.0*
	BV		559.0 ^[1]		557.0 ^[1]		547.0 ^[1]	394.0*	542.0 ^[1]	395.0*	519.0 ^[1]	389.0*	474.0 ^[1]	358.0*	373.0 ^[1]	276.0*	278.0 ^[1]	233.0*	236.0 ^[1]	204.0*	204.0	175.0*
140	B		402.0 ^[1]		415.0 ^[1]		421.0 ^[1]	326.0*	422.0 ^[1]	374.0*	411.0 ^[1]	369.0*	404.0 ^[1]	351.0*	362.0 ^[1]	272.0*	275.0 ^[1]	230.0*	233.0 ^[1]	202.0*	202.0	173.0*
	BV		532.0 ^[1]		535.0 ^[1]		525.0 ^[1]	326.0*	521.0 ^[1]	375.0*	502.0 ^[1]	370.0*	466.0 ^[1]	352.0*	371.0 ^[1]	274.0*	277.0 ^[1]	231.0*	234.0 ^[1]	203.0*	203.0	173.0*
145	B		383.0 ^[1]		395.0 ^[1]		402.0 ^[1]		405.0 ^[1]	357.0*	394.0 ^[1]	352.0*	389.0 ^[1]	343.0*	361.0 ^[1]	270.0*	274.0 ^[1]	227.0*	231.0 ^[1]	200.0*	201.0 ^[1]	172.0*
	BV		507.0 ^[1]		513.0 ^[1]		505.0 ^[1]		502.0 ^[1]	357.0*	484.0 ^[1]	352.0*	458.0 ^[1]	343.0*	368.0 ^[1]	272.0*	276.0 ^[1]	229.0*	232.0 ^[1]	201.0*	202.0 ^[1]	172.0*
150	B		366.0 ^[1]		377.0 ^[1]		382.0 ^[1]		390.0 ^[1]	340.0*	380.0 ^[1]	335.0*	375.0 ^[1]	329.0*	360.0 ^[1]	268.0*	272.0 ^[1]	225.0*	229.0 ^[1]	19		

HSDWB / HSDWBV

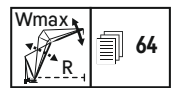
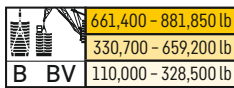
HS 177 ft



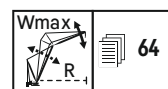
661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



	ft	HS 177 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
185	B		268.0 ⁽⁴⁾		277.0 ⁽⁹⁾		279.0 ⁽¹⁰⁾		291.0 ⁽¹¹⁾		291.0 ⁽⁸⁾	250.0*	289.0 ⁽⁵⁾	245.0*	283.0 ⁽³⁾	239.0*	258.0 ⁽³⁾	208.0*	218.0 ⁽²⁾	189.0*	193.0 ⁽²⁾	162.0*	164.0 ⁽²⁾
	BV		346.0 ⁽⁷⁾		365.0 ⁽⁹⁾		370.0 ⁽¹⁰⁾		379.0 ⁽¹⁰⁾		366.0 ⁽⁴⁾	251.0*	357.0 ⁽¹⁾	245.0*	335.0 ⁽¹⁾	239.0*	266.0 ⁽²⁾	210.0*	220.0 ⁽²⁾	191.0*	195.0 ⁽²⁾	163.0*	165.0 ⁽²⁾
190	B		257.0 ⁽⁴⁾		265.0 ⁽⁸⁾		268.0 ⁽¹⁰⁾		279.0 ⁽¹¹⁾		281.0 ⁽¹⁰⁾	244.0*	278.0 ⁽⁵⁾	236.0*	273.0 ⁽³⁾	230.0*	255.0 ⁽³⁾	205.0*	216.0 ⁽²⁾	188.0*	192.0 ⁽²⁾	161.0*	163.0 ⁽²⁾
	BV		329.0 ⁽⁴⁾		348.0 ⁽⁸⁾		355.0 ⁽¹⁰⁾		365.0 ⁽¹⁰⁾		355.0 ⁽⁴⁾	244.0*	347.0 ⁽²⁾	236.0*	329.0 ⁽¹⁾	230.0*	264.0 ⁽²⁾	207.0*	218.0 ⁽²⁾	189.0*	194.0 ⁽²⁾	161.0*	164.0 ⁽²⁾
195	B				254.0 ⁽⁸⁾		256.0 ⁽¹⁰⁾		268.0 ⁽¹¹⁾		272.0 ⁽¹⁰⁾	237.0*	268.0 ⁽⁵⁾	228.0*	262.0 ⁽³⁾	222.0*	249.0 ⁽³⁾	203.0*	214.0 ⁽²⁾	187.0*	191.0 ⁽²⁾	159.0*	162.0 ⁽²⁾
	BV				332.0 ⁽⁸⁾		340.0 ⁽¹⁰⁾		352.0 ⁽¹⁰⁾		343.0 ⁽⁴⁾	237.0*	336.0 ⁽²⁾	227.0*	323.0 ⁽¹⁾	222.0*	262.0 ⁽²⁾	205.0*	216.0 ⁽²⁾	188.0*	192.0 ⁽²⁾	160.0*	163.0 ⁽²⁾
200	B				244.0 ⁽⁸⁾		245.0 ⁽⁹⁾		257.0 ⁽¹¹⁾		263.0 ⁽¹⁰⁾	228.0*	259.0 ⁽⁶⁾	219.0*	253.0 ⁽⁴⁾	214.0*	243.0 ⁽³⁾	201.0*	213.0 ⁽³⁾	185.0*	190.0 ⁽³⁾	158.0*	161.0 ⁽²⁾
	BV				316.0 ⁽⁸⁾		325.0 ⁽⁹⁾		339.0 ⁽¹¹⁾		333.0 ⁽⁵⁾	228.0*	326.0 ⁽²⁾	219.0*	315.0 ⁽¹⁾	214.0*	259.0 ⁽²⁾	202.0*	215.0 ⁽³⁾	187.0*	192.0 ⁽³⁾	159.0*	162.0 ⁽²⁾
210	B				224.0 ⁽⁷⁾		225.0 ⁽⁸⁾		236.0 ⁽¹⁰⁾		246.0 ⁽¹¹⁾	197.0*	242.0 ⁽⁶⁾	204.0*	237.0 ⁽⁴⁾	199.0*	230.0 ⁽²⁾	194.0*	209.0 ⁽²⁾	183.0*	189.0 ⁽³⁾	156.0*	159.0 ⁽³⁾
	BV				286.0 ⁽⁷⁾		296.0 ⁽⁸⁾		313.0 ⁽¹⁰⁾		311.0 ⁽⁵⁾	197.0*	304.0 ⁽²⁾	204.0*	296.0 ⁽¹⁾	199.0*	252.0 ⁽²⁾	196.0*	211.0 ⁽³⁾	184.0*	191.0 ⁽³⁾	157.0*	160.0 ⁽³⁾
220	B						206.0 ⁽⁸⁾		216.0 ⁽⁹⁾		230.0 ⁽¹¹⁾		228.0 ⁽⁷⁾	191.0*	222.0 ⁽⁴⁾	186.0*	217.0 ⁽³⁾	184.0*	203.0 ⁽³⁾	179.0*	186.0 ⁽³⁾	153.0*	158.0 ⁽³⁾
	BV						269.0 ⁽⁸⁾		287.0 ⁽⁹⁾		291.0 ⁽⁶⁾		286.0 ⁽³⁾	191.0*	278.0 ⁽¹⁾	186.0*	245.0 ⁽¹⁾	184.0*	207.0 ⁽³⁾	180.0*	188.0 ⁽³⁾	154.0*	159.0 ⁽³⁾
230	B						189.0 ⁽⁷⁾		198.0 ⁽⁸⁾		213.0 ⁽¹¹⁾		215.0 ⁽⁸⁾	178.0*	210.0 ⁽⁵⁾	174.0*	205.0 ⁽³⁾	173.0*	198.0 ⁽³⁾	169.0*	182.0 ⁽³⁾	150.0*	156.0 ⁽³⁾
	BV						242.0 ⁽⁷⁾		262.0 ⁽⁸⁾		274.0 ⁽⁷⁾		269.0 ⁽³⁾	178.0*	259.0 ⁽¹⁾	174.0*	237.0 ⁽¹⁾	173.0*	204.0 ⁽³⁾	169.0*	185.0 ⁽³⁾	152.0*	157.0 ⁽³⁾
240	B						181.0 ⁽⁸⁾		181.0 ⁽⁸⁾		196.0 ⁽¹¹⁾		203.0 ⁽⁹⁾	165.0*	197.0 ⁽⁵⁾	163.0*	193.0 ⁽⁴⁾	161.0*	190.0 ⁽³⁾	158.0*	179.0 ⁽³⁾	147.0*	153.0 ⁽³⁾
	BV						238.0 ⁽⁷⁾		238.0 ⁽⁷⁾		260.0 ⁽¹⁰⁾		255.0 ⁽⁴⁾	165.0*	246.0 ⁽²⁾	163.0*	230.0 ⁽¹⁾	162.0*	199.0 ⁽³⁾	158.0*	183.0 ⁽³⁾	148.0*	155.0 ⁽³⁾
250	B						166.0 ⁽⁷⁾		166.0 ⁽⁷⁾		179.0 ⁽¹⁰⁾		192.0 ⁽¹⁰⁾	145.0*	187.0 ⁽⁴⁾	153.0*	182.0 ⁽⁴⁾	152.0*	180.0 ⁽⁴⁾	148.0*	174.0 ⁽³⁾	144.0*	151.0 ⁽⁴⁾
	BV						215.0 ⁽⁷⁾		215.0 ⁽⁷⁾		241.0 ⁽¹⁰⁾		241.0 ⁽⁵⁾	145.0*	232.0 ⁽²⁾	152.0*	222.0 ⁽¹⁾	151.0*	194.0 ⁽²⁾	148.0*	179.0 ⁽³⁾	144.0*	152.0 ⁽³⁾
260	B										164.0 ⁽⁹⁾		181.0 ⁽¹¹⁾		177.0 ⁽⁷⁾	143.0*	173.0 ⁽³⁾	142.0*	171.0 ⁽⁴⁾	139.0*	165.0 ⁽³⁾	135.0*	149.0 ⁽³⁾
	BV										221.0 ⁽⁹⁾		227.0 ⁽⁵⁾		221.0 ⁽³⁾	143.0*	211.0 ⁽¹⁾	142.0*	189.0 ⁽²⁾	139.0*	174.0 ⁽³⁾	135.0*	150.0 ⁽³⁾
270	B										149.0 ⁽⁸⁾		169.0 ⁽¹¹⁾		168.0 ⁽⁸⁾	134.0*	163.0 ⁽⁵⁾	133.0*	161.0 ⁽⁴⁾	131.0*	159.0 ⁽⁴⁾	127.0*	146.0 ⁽⁴⁾
	BV										202.0 ⁽⁸⁾		213.0 ⁽⁶⁾		208.0 ⁽³⁾	134.0*	199.0 ⁽²⁾	134.0*	184.0 ⁽²⁾	131.0*	169.0 ⁽²⁾	127.0*	148.0 ⁽³⁾
280	B										137.0 ⁽⁸⁾		154.0 ⁽¹⁰⁾		159.0 ⁽⁹⁾	125.0*	154.0 ⁽⁴⁾	125.0*	153.0 ⁽⁵⁾	123.0*	150.0 ⁽⁴⁾	119.0*	144.0 ⁽⁴⁾
	BV										183.0 ⁽⁸⁾		201.0 ⁽⁷⁾		195.0 ⁽⁴⁾	125.0*	189.0 ⁽²⁾	126.0*	179.0 ⁽²⁾	123.0*	165.0 ⁽²⁾	119.0*	146.0 ⁽³⁾
290	B										125.0 ⁽⁷⁾		142.0 ⁽¹⁰⁾		150.0 ⁽¹⁰⁾	108.0*	146.0 ⁽⁶⁾	118.0*	144.0 ⁽⁵⁾	115.0*	141.0 ⁽⁴⁾	112.0*	137.0 ⁽⁴⁾
	BV										164.0 ⁽⁷⁾		191.0 ⁽⁸⁾		185.0 ⁽⁴⁾	108.0*	179.0 ⁽²⁾	118.0*	173.0 ⁽²⁾	116.0*	161.0 ⁽²⁾	112.0*	143.0 ⁽³⁾
300	B												129.0 ⁽⁹⁾		142.0 ⁽¹⁰⁾		138.0 ⁽⁷⁾	109.0*	136.0 ⁽⁶⁾	109.0*	133.0 ⁽⁵⁾	105.0*	130.0 ⁽⁴⁾
	BV												177.0 ⁽⁹⁾		175.0 ⁽⁵⁾		168.0 ⁽²⁾	109.0*	165.0 ⁽²⁾	109.0*	156.0 ⁽²⁾	105.0*	140.0 ⁽³⁾
310	B												117.0 ⁽⁸⁾		133.0 ⁽¹¹⁾		130.0 ⁽⁷⁾	94.7*	129.0 ⁽⁶⁾	102.0*	126.0 ⁽⁵⁾	98.8*	122.0 ⁽⁴⁾
	BV												161.0 ⁽⁸⁾		167.0 ⁽⁵⁾		160.0 ⁽³⁾	94.7*	158.0 ⁽²⁾	102.0*	151.0 ⁽²⁾	99.2*	136.0 ⁽³⁾
320	B												107.0 ⁽⁷⁾		121.0 ⁽¹⁰⁾		124.0 ⁽⁸⁾		122.0 ⁽⁶⁾	93.6*	119.0 ⁽⁵⁾	92.7*	116.0 ⁽⁵⁾
	BV												145.0 ⁽⁷⁾		159.0 ⁽⁷⁾		152.0 ⁽³⁾		150.0 ⁽²⁾	93.6*	145.0 ⁽²⁾	93.2*	132.0 ⁽³⁾
330	B												97.7 ⁽⁷⁾		111.0 ⁽¹⁰⁾		118.0 ⁽⁹⁾		116.0 ⁽⁷⁾	80.3*	113.0 ⁽⁶⁾	86.5*	110.0 ⁽⁵⁾
	BV												131.0 ⁽⁷⁾		152.0 ⁽⁸⁾		146.0 ⁽⁴⁾		144.0 ⁽³⁾	80.6*	139.0 ⁽²⁾	86.8*	127.0 ⁽³⁾
340	B														101.0 ⁽⁹⁾		113.0 ⁽¹⁰⁾		111.0 ⁽⁸⁾		107.0 ⁽⁷⁾	78.9*	103.0 ⁽⁴⁾
	BV														141.0 ⁽⁹⁾		138.0 ⁽⁵⁾		136.0 ⁽³⁾		132.0 ⁽³⁾	79.2*	124.0 ⁽²⁾
350	B														91.3 ⁽⁸⁾		105.0 ⁽¹¹⁾		106.0 ⁽⁹⁾		102.0 ⁽⁷⁾	66.8*	98.9 ⁽⁶⁾
	BV														128.0 ⁽⁸⁾		131.0 ⁽⁵⁾		130.0 ⁽⁴⁾		126.0 ⁽³⁾	67.0*	119.0 ⁽²⁾
360	B														82.2 ⁽⁷⁾		95.2 ⁽¹⁰⁾		100.0 ⁽¹⁰⁾		98.0 ⁽⁸⁾		93.4 ⁽⁷⁾
	BV														115.0 ⁽⁷⁾		124.0 ⁽⁶⁾		122.0 ⁽⁵⁾		119.0 ⁽³⁾		114.0 ⁽³⁾
370	B														74.4 ⁽⁷⁾		86.7 ⁽¹⁰⁾		92.8 ⁽¹¹⁾		93.6 ⁽⁹⁾		88.8 ⁽⁷⁾
	BV														102.0 ⁽⁷⁾		117.0 ⁽⁷⁾		115.0 ⁽⁶⁾		112.0 ⁽⁴⁾		109.0 ⁽³⁾
380	B																78.0 ⁽⁹⁾		84.4 ⁽¹⁰⁾		87.0 ⁽¹⁰⁾		84.7 ⁽⁸⁾
	BV																110.0 ⁽⁹⁾		109.0 ⁽⁶⁾		106.0 ⁽⁵⁾		102.0 ⁽⁴⁾
390	B																69.6 ⁽⁸⁾		76.6 ⁽¹⁰⁾		80.5 ⁽¹¹⁾		79.5 ⁽⁹⁾
	BV																101.0 ⁽⁸⁾		103.0 ⁽⁷⁾		100.0 ⁽⁵⁾		96.8 ⁽⁴⁾
400	B																61.7 ⁽⁷⁾		68.2 ⁽⁹⁾		73.6 ⁽¹⁰⁾		74.1 ⁽¹⁰⁾
	BV																89.2 ⁽⁷⁾		98.0 ⁽⁸⁾		95.1 ⁽⁶⁾		91.3 ⁽⁵⁾
410	B																		60.2 ⁽⁸⁾		66.5 ⁽¹⁰⁾		69.1 ⁽¹⁰⁾
	BV																		90.0 ⁽⁸⁾		90.3 ⁽⁶⁾		86.7 ⁽⁵⁾
420	B																		52.7 ⁽⁷⁾		58.6 ⁽⁹⁾		63.2 ⁽¹⁰⁾
	BV																		78.7 ⁽⁷⁾		85.9 ⁽⁸⁾		82.0 ⁽⁵⁾
430	B																				51.2 ⁽⁸⁾		56.4 ⁽¹⁰⁾
	BV																				78.6 ⁽⁸⁾		78.5 ⁽⁶⁾
440	B																				44.5 ⁽⁷⁾		48.9 ⁽⁹⁾
	BV																				67.8 ⁽⁷⁾		74.5 ⁽⁸⁾
450	B																						42.4 ⁽⁸⁾
	BV																						67.3 ⁽⁸⁾
460	B																						36.5 ⁽⁷⁾
	BV																						56.9 ⁽⁷⁾

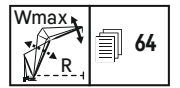


	HS 197 ft																						
	W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft		
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
38	B	975.0	975.0																				
	BV	981.0	981.0																				
40	B	992.0	992.0																				
	BV	992.0	992.0																				
45	B	992.0	992.0	936.0	950.0 ^[1]																		
	BV	992.0	992.0	949.0	966.0 ^[1]																		
50	B	992.0*	992.0	897.0	950.0 ^[1]	845.0	856.0 ^[1]																
	BV	992.0*	992.0	913.0	970.0 ^[1]	862.0	875.0 ^[1]																
55	B	992.0*	992.0	933.0*	940.0 ^[1]	815.0	858.0 ^[1]	750.0	758.0 ^[1]														
	BV	992.0*	992.0	954.0*	968.0 ^[1]	834.0	880.0 ^[1]	763.0	772.0 ^[1]														
60	B	971.0*	971.0	900.0*	920.0 ^[1]	851.0*	853.0 ^[1]	730.0	761.0 ^[1]	601.0	601.0												
	BV	992.0*	992.0	921.0*	962.0 ^[1]	874.0*	882.0 ^[1]	743.0	778.0 ^[1]	606.0	606.0												
65	B	909.0*	963.0 ^[1]	866.0*	900.0 ^[1]	827.0*	836.0 ^[1]	760.0*	761.0 ^[1]	593.0	597.0 ^[1]												
	BV	915.0*	992.0 ^[1]	888.0*	956.0 ^[1]	850.0*	876.0 ^[1]	778.0*	782.0 ^[1]	599.0	603.0 ^[1]												
70	B	811.0*	942.0 ^[1]	829.0*	880.0 ^[1]	800.0*	819.0 ^[1]	740.0*	750.0 ^[1]	584.0	598.0 ^[1]	471.0	471.0										
	BV	811.0*	992.0 ^[1]	852.0*	949.0 ^[1]	823.0*	871.0 ^[1]	759.0*	781.0 ^[1]	591.0	607.0 ^[1]	473.0	473.0										
75	B	726.0*	889.0 ^[1]	777.0*	861.0 ^[1]	765.0*	802.0 ^[1]	721.0*	739.0 ^[1]	601.0*	601.0	465.0	467.0 ^[1]										
	BV	725.0*	977.0 ^[1]	784.0*	943.0 ^[1]	792.0*	866.0 ^[1]	740.0*	780.0 ^[1]	582.0	611.0 ^[1]	469.0	471.0 ^[1]										
80	B	656.0*	836.0 ^[1]	711.0*	821.0 ^[1]	730.0*	785.0 ^[1]	697.0*	728.0 ^[1]	595.0*	598.0 ^[1]	460.0	468.0 ^[1]	365.0	365.0								
	BV	656.0*	950.0 ^[1]	711.0*	910.0 ^[1]	757.0*	860.0 ^[1]	719.0*	780.0 ^[1]	605.0*	611.0 ^[1]	465.0	474.0 ^[1]	367.0	367.0								
85	B		789.0 ^[1]	648.0*	777.0 ^[1]	696.0*	762.0 ^[1]	669.0*	717.0 ^[1]	586.0*	595.0 ^[1]	460.0*	469.0 ^[1]	362.0	362.0								
	BV		902.0 ^[1]	649.0*	876.0 ^[1]	724.0*	845.0 ^[1]	694.0*	779.0 ^[1]	598.0*	612.0 ^[1]	460.0	476.0 ^[1]	364.0	365.0 ^[1]								
90	B		745.0 ^[1]	595.0*	736.0 ^[2]	664.0*	724.0 ^[1]	638.0*	706.0 ^[1]	574.0*	592.0 ^[1]	467.0*	468.0 ^[1]	358.0	361.0 ^[1]	276.0	276.0						
	BV		855.0 ^[1]	596.0*	835.0 ^[2]	693.0*	814.0 ^[2]	667.0*	778.0 ^[1]	589.0*	612.0 ^[1]	475.0*	477.0 ^[1]	361.0	365.0 ^[1]	277.0	277.0						
95	B		706.0 ^[1]	537.0*	698.0 ^[1]	632.0*	688.0 ^[2]	608.0*	677.0 ^[1]	558.0*	590.0 ^[1]	460.0*	466.0 ^[1]	353.0	361.0 ^[1]	273.0	274.0 ^[1]	239.0	239.0				
	BV		809.0 ^[1]	537.0*	796.0 ^[1]	664.0*	783.0 ^[2]	639.0*	753.0 ^[1]	576.0*	613.0 ^[1]	470.0*	476.0 ^[1]	357.0	365.0 ^[1]	275.0	275.0	239.0	239.0				
100	B		670.0 ^[1]	480.0*	663.0 ^[1]	602.0*	654.0 ^[2]	580.0*	646.0 ^[1]	540.0*	587.0 ^[1]	454.0*	465.0 ^[1]	359.0*	360.0 ^[1]	270.0	273.0 ^[1]	235.0	236.0 ^[1]	204.0	204.0		
	BV		764.0 ^[1]	481.0*	757.0 ^[1]	630.0*	753.0 ^[1]	612.0*	734.0 ^[1]	561.0*	613.0 ^[1]	465.0*	476.0 ^[1]	364.0*	365.0 ^[1]	272.0	274.0 ^[1]	236.0	237.0 ^[1]	204.0	204.0		
105	B		633.0 ^[1]		632.0 ^[1]	578.0*	624.0 ^[1]	557.0*	616.0 ^[2]	521.0*	584.0 ^[1]	449.0*	463.0 ^[1]	356.0*	358.0 ^[1]	268.0	272.0 ^[1]	232.0	234.0 ^[1]	202.0	202.0	174.0	174.0
	BV		726.0 ^[1]		719.0 ^[1]	589.0*	719.0 ^[1]	588.0*	703.0 ^[1]	543.0*	614.0 ^[1]	460.0*	475.0 ^[1]	361.0*	364.0 ^[1]	269.0	274.0 ^[1]	233.0	235.0 ^[1]	202.0	202.0	174.0	174.0
110	B		598.0 ^[1]		600.0 ^[1]	547.0*	594.0 ^[1]	537.0*	588.0 ^[1]	503.0*	564.0 ^[1]	444.0*	462.0 ^[1]	353.0*	357.0 ^[1]	271.0*	271.0	229.0	233.0 ^[1]	200.0	201.0 ^[1]	172.0	172.0
	BV		690.0 ^[1]		683.0 ^[1]	549.0*	686.0 ^[1]	560.0*	678.0 ^[1]	525.0*	600.0 ^[1]	455.0*	475.0 ^[1]	358.0*	363.0 ^[1]	273.0*	273.0	230.0	234.0 ^[1]	200.0	202.0 ^[1]	173.0	173.0
115	B		568.0 ^[1]		569.0 ^[1]	500.0*	568.0 ^[1]	518.0*	562.0 ^[1]	484.0*	541.0 ^[1]	437.0*	460.0 ^[1]	350.0*	356.0 ^[1]	269.0*	269.0	227.0	232.0 ^[1]	198.0	201.0 ^[1]	171.0	172.0 ^[1]
	BV		656.0 ^[1]		650.0 ^[2]	502.0*	655.0 ^[1]	529.0*	649.0 ^[1]	505.0*	599.0 ^[2]	451.0*	475.0 ^[1]	356.0*	362.0 ^[1]	271.0*	272.0 ^[1]	228.0	233.0 ^[1]	199.0	201.0 ^[1]	171.0	172.0 ^[1]
120	B		543.0 ^[1]		541.0 ^[1]	434.0*	544.0 ^[1]	495.0*	539.0 ^[1]	467.0*	524.0 ^[2]	429.0*	459.0 ^[1]	347.0*	355.0 ^[1]	267.0*	268.0 ^[1]	230.0*	230.0	196.0	200.0 ^[1]	169.0	171.0 ^[1]
	BV		626.0 ^[1]		620.0 ^[1]	436.0*	624.0 ^[1]	498.0*	620.0 ^[1]	483.0*	590.0 ^[1]	445.0*	474.0 ^[1]	353.0*	361.0 ^[1]	270.0*	271.0 ^[1]	231.0*	232.0 ^[1]	197.0	201.0 ^[1]	170.0	171.0 ^[1]
125	B		518.0 ^[1]		515.0 ^[1]		520.0 ^[1]	466.0*	516.0 ^[1]	451.0*	503.0 ^[2]	419.0*	449.0 ^[2]	344.0*	353.0 ^[1]	265.0*	267.0 ^[1]	227.0*	228.0 ^[1]	198.0*	199.0 ^[1]	168.0	170.0 ^[1]
	BV		596.0 ^[1]		592.0 ^[1]		594.0 ^[1]	466.0*	593.0 ^[1]	460.0*	568.0 ^[2]	436.0*	470.0 ^[1]	350.0*	360.0 ^[1]	268.0*	270.0 ^[1]	229.0*	230.0 ^[1]	199.0*	200.0 ^[1]	168.0	171.0 ^[1]
130	B		493.0 ^[1]		493.0 ^[1]		497.0 ^[1]	431.0*	494.0 ^[1]	434.0*	484.0 ^[1]	409.0*	449.0 ^[2]	341.0*	352.0 ^[1]	263.0*	266.0 ^[1]	225.0*	227.0 ^[1]	197.0*	197.0	169.0*	169.0
	BV		568.0 ^[1]		567.0 ^[1]		565.0 ^[1]	431.0*	566.0 ^[1]	436.0*	546.0 ^[2]	422.0*	465.0 ^[1]	348.0*	359.0 ^[1]	267.0*	269.0 ^[1]	227.0*	229.0 ^[1]	198.0*	199.0 ^[1]	170.0*	170.0
135	B		468.0 ^[1]		473.0 ^[1]		477.0 ^[1]	400.0*	474.0 ^[1]	416.0*	465.0 ^[1]	397.0*	449.0 ^[2]	338.0*	351.0 ^[1]	262.0*	264.0 ^[1]	223.0*	225.0 ^[1]	196.0*	196.0	168.0*	168.0
	BV		544.0 ^[1]		542.0 ^[1]		539.0 ^[1]	400.0*	538.0 ^[1]	415.0*	524.0 ^[1]	404.0*	466.0 ^[2]	345.0*	358.0 ^[1]	265.0*	268.0 ^[1]	225.0*	227.0 ^[1]	197.0*	197.0	169.0*	169.0
140	B		447.0 ^[1]		454.0 ^[1]		457.0 ^[1]	357.0*	454.0 ^[1]	396.0*	445.0 ^[1]	383.0*	434.0 ^[2]	335.0*	348.0 ^[1]	260.0*	263.0 ^[1]	220.0*	224.0 ^[1]	194.0*	195.0 ^[1]	167.0*	167.0
	BV		519.0 ^[1]		519.0 ^[1]		514.0 ^[1]	358.0*	515.0 ^[1]	394.0*	502.0 ^[2]	387.0*	457.0 ^[2]	342.0*	356.0 ^[1]	263.0*	267.0 ^[1]	223.0*	226.0 ^[1]	196.0*	196.0	168.0*	168.0
145	B		427.0 ^[1]		435.0 ^[1]		436.0 ^[1]		436.0 ^[1]	377.0*	429.0 ^[1]	367.0*	418.0 ^[2]	331.0*	347.0 ^[1]	258.0*	262.0 ^[1]	218.0*	222.0 ^[1]	193.0*	194.0 ^[1]	166.0*	166.0
	BV		495.0 ^[1]		496.0 ^[1]		494.0 ^[1]		492.0 ^[1]	375.0*	480.0 ^[1]	369.0*	451.0 ^[1]	337.0*	355.0 ^[1]	262.0*	266.0 ^[1]	220.0*					

46 LR1800-1.0



661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb

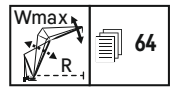


	ft	HS 217 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
38	B	915.0	915.0																				
	BV	920.0	920.0																				
40	B	932.0	932.0																				
	BV	939.0	939.0																				
45	B	925.0	938.0 ^[1]	847.0	853.0 ^[1]																		
	BV	938.0	951.0 ^[1]	857.0	864.0 ^[1]																		
50	B	957.0*	957.0	814.0	853.0 ^[1]	767.0	772.0 ^[1]																
	BV	976.0*	976.0	826.0	867.0 ^[1]	778.0	783.0 ^[1]																
55	B	922.0*	933.0 ^[1]	848.0*	851.0 ^[1]	743.0	772.0 ^[1]	683.0	687.0 ^[1]														
	BV	942.0*	966.0 ^[1]	864.0*	870.0 ^[1]	753.0	787.0 ^[1]	691.0	695.0 ^[1]														
60	B	884.0*	921.0 ^[1]	818.0*	841.0 ^[1]	772.0*	772.0	663.0	687.0 ^[1]														
	BV	903.0*	968.0 ^[1]	835.0*	871.0 ^[1]	790.0*	791.0 ^[1]	672.0	699.0 ^[1]														
65	B	849.0*	910.0 ^[1]	788.0*	832.0 ^[1]	751.0*	764.0 ^[1]	691.0*	691.0	549.0	550.0 ^[1]												
	BV	866.0*	970.0 ^[1]	805.0*	872.0 ^[1]	768.0*	792.0 ^[1]	705.0*	705.0	554.0	556.0 ^[1]												
70	B	813.0*	899.0 ^[1]	760.0*	822.0 ^[1]	727.0*	756.0 ^[1]	673.0*	685.0 ^[1]	538.0	551.0 ^[1]												
	BV	827.0*	972.0 ^[1]	776.0*	873.0 ^[1]	745.0*	793.0 ^[1]	688.0*	705.0 ^[1]	545.0	560.0 ^[1]												
75	B	750.0*	866.0 ^[1]	732.0*	812.0 ^[1]	705.0*	748.0 ^[1]	655.0*	681.0 ^[1]	558.0*	558.0	434.0	434.0										
	BV	751.0*	949.0 ^[1]	748.0*	874.0 ^[1]	722.0*	794.0 ^[1]	670.0*	708.0 ^[1]	568.0*	568.0	437.0	437.0										
80	B	675.0*	819.0 ^[1]	705.0*	799.0 ^[1]	681.0*	740.0 ^[1]	636.0*	676.0 ^[1]	549.0*	553.0 ^[1]	428.0	434.0 ^[1]	343.0	343.0								
	BV	677.0*	911.0 ^[1]	718.0*	871.0 ^[1]	699.0*	796.0 ^[1]	652.0*	711.0 ^[1]	560.0*	565.0 ^[1]	433.0	439.0 ^[1]	345.0	345.0								
85	B	573.0*	773.0 ^[1]	666.0*	760.0 ^[1]	653.0*	731.0 ^[1]	617.0*	672.0 ^[1]	535.0*	552.0 ^[1]	423.0	435.0 ^[1]	339.0	340.0 ^[1]								
	BV	572.0*	878.0 ^[1]	670.0*	838.0 ^[1]	675.0*	797.0 ^[1]	634.0*	714.0 ^[1]	549.0*	565.0 ^[1]	428.0	441.0 ^[1]	342.0	342.0								
90	B		732.0 ^[1]	613.0*	721.0 ^[1]	624.0*	707.0 ^[1]	595.0*	668.0 ^[1]	522.0*	550.0 ^[1]	434.0*	435.0 ^[1]	336.0	339.0 ^[1]	263.0	263.0						
	BV		837.0 ^[1]	614.0*	807.0 ^[1]	647.0*	778.0 ^[1]	616.0*	716.0 ^[1]	537.0*	566.0 ^[1]	442.0*	443.0 ^[1]	339.0	342.0 ^[1]	264.0	264.0						
95	B		694.0 ^[1]	560.0*	685.0 ^[1]	595.0*	674.0 ^[1]	570.0*	659.0 ^[1]	508.0*	548.0 ^[1]	428.0*	433.0 ^[1]	332.0	338.0 ^[1]	260.0	260.0	227.0	227.0				
	BV		796.0 ^[1]	561.0*	779.0 ^[1]	621.0*	756.0 ^[1]	596.0*	715.0 ^[1]	523.0*	567.0 ^[1]	437.0*	443.0 ^[1]	335.0	342.0 ^[1]	262.0	262.0	227.0	227.0				
100	B		660.0 ^[1]	503.0*	652.0 ^[1]	569.0*	642.0 ^[1]	546.0*	631.0 ^[1]	494.0*	547.0 ^[1]	421.0*	432.0 ^[1]	338.0*	338.0	258.0	260.0 ^[1]	224.0	224.0	194.0	194.0		
	BV		755.0 ^[1]	503.0*	744.0 ^[1]	593.0*	725.0 ^[1]	572.0*	691.0 ^[1]	509.0*	567.0 ^[1]	432.0*	442.0 ^[1]	342.0*	342.0	259.0	261.0 ^[1]	224.0	224.0	195.0	195.0		
105	B		628.0 ^[1]	405.0*	622.0 ^[1]	544.0*	613.0 ^[1]	525.0*	603.0 ^[1]	479.0*	545.0 ^[1]	414.0*	431.0 ^[1]	335.0*	337.0 ^[1]	255.0	259.0 ^[1]	221.0	223.0 ^[1]	193.0	193.0	166.0	166.0
	BV		716.0 ^[1]	406.0*	709.0 ^[1]	571.0*	702.0 ^[1]	550.0*	679.0 ^[1]	496.0*	568.0 ^[1]	426.0*	442.0 ^[1]	340.0*	342.0 ^[1]	257.0	261.0 ^[1]	222.0	224.0 ^[1]	193.0	193.0	166.0	166.0
110	B		597.0 ^[1]		594.0 ^[1]	523.0*	585.0 ^[1]	506.0*	577.0 ^[1]	465.0*	540.0 ^[1]	407.0*	430.0 ^[1]	332.0*	336.0 ^[1]	257.0*	259.0 ^[1]	218.0	222.0 ^[1]	191.0	192.0 ^[1]	164.0	164.0
	BV		680.0 ^[1]		676.0 ^[1]	549.0*	674.0 ^[1]	530.0*	653.0 ^[1]	483.0*	566.0 ^[1]	419.0*	442.0 ^[1]	338.0*	342.0 ^[1]	255.0	261.0 ^[1]	219.0	223.0 ^[1]	191.0	192.0 ^[1]	165.0	165.0
115	B		566.0 ^[1]		567.0 ^[1]	503.0*	559.0 ^[1]	489.0*	553.0 ^[1]	450.0*	521.0 ^[1]	400.0*	429.0 ^[1]	330.0*	335.0 ^[1]	257.0*	258.0 ^[1]	215.0	221.0 ^[1]	189.0	192.0 ^[1]	163.0	164.0 ^[1]
	BV		647.0 ^[1]		643.0 ^[1]	520.0*	647.0 ^[1]	511.0*	635.0 ^[1]	470.0*	554.0 ^[1]	412.0*	442.0 ^[1]	336.0*	341.0 ^[1]	260.0*	260.0	217.0	222.0 ^[1]	190.0	192.0 ^[1]	164.0	164.0
120	B		537.0 ^[1]		541.0 ^[1]	453.0*	535.0 ^[1]	471.0*	530.0 ^[1]	436.0*	507.0 ^[1]	393.0*	427.0 ^[1]	327.0*	334.0 ^[1]	256.0*	256.0	219.0*	220.0 ^[1]	187.0	191.0 ^[1]	162.0	163.0 ^[1]
	BV		617.0 ^[1]		613.0 ^[1]	457.0*	619.0 ^[1]	495.0*	609.0 ^[1]	456.0*	554.0 ^[1]	405.0*	441.0 ^[1]	334.0*	341.0 ^[1]	258.0*	259.0 ^[1]	221.0*	221.0	188.0	192.0 ^[1]	162.0	164.0 ^[1]
125	B		512.0 ^[1]		515.0 ^[1]		513.0 ^[1]	454.0*	508.0 ^[1]	422.0*	491.0 ^[1]	385.0*	424.0 ^[1]	325.0*	333.0 ^[1]	254.0*	255.0 ^[1]	217.0*	218.0 ^[1]	190.0*	190.0	161.0	163.0 ^[1]
	BV		589.0 ^[1]		585.0 ^[1]		593.0 ^[1]	477.0*	585.0 ^[1]	442.0*	542.0 ^[1]	397.0*	440.0 ^[1]	332.0*	340.0 ^[1]	257.0*	258.0 ^[1]	219.0*	220.0 ^[1]	191.0*	191.0	161.0	164.0 ^[1]
130	B		489.0 ^[1]		490.0 ^[1]		493.0 ^[1]	437.0*	489.0 ^[1]	410.0*	472.0 ^[1]	375.0*	417.0 ^[1]	322.0*	333.0 ^[1]	252.0*	254.0 ^[1]	215.0*	217.0 ^[1]	189.0*	189.0	162.0*	162.0
	BV		564.0 ^[1]		560.0 ^[1]		567.0 ^[1]	445.0*	561.0 ^[1]	429.0*	524.0 ^[1]	389.0*	437.0 ^[1]	329.0*	340.0 ^[1]	255.0*	258.0 ^[1]	217.0*	218.0 ^[1]	190.0*	190.0	163.0*	163.0
135	B		465.0 ^[1]		466.0 ^[1]		473.0 ^[1]	413.0*	470.0 ^[1]	398.0*	456.0 ^[1]	366.0*	418.0 ^[1]	319.0*	332.0 ^[1]	250.0*	253.0 ^[1]	213.0*	215.0 ^[1]	187.0*	188.0 ^[1]	161.0*	161.0
	BV		539.0 ^[1]		537.0 ^[1]		543.0 ^[1]	414.0*	538.0 ^[1]	416.0*	517.0 ^[1]	381.0*	438.0 ^[1]	326.0*	340.0 ^[1]	254.0*	257.0 ^[1]	215.0*	217.0 ^[1]	189.0*	189.0	162.0*	162.0
140	B		442.0 ^[1]		447.0 ^[1]		454.0 ^[1]	377.0*	451.0 ^[1]	386.0*	438.0 ^[1]	357.0*	416.0 ^[1]	314.0*	330.0 ^[1]	249.0*	252.0 ^[1]	210.0*	214.0 ^[1]	186.0*	187.0 ^[1]	160.0*	160.0
	BV		514.0 ^[1]		515.0 ^[1]		518.0 ^[1]	377.0*	515.0 ^[1]	401.0*	498.0 ^[1]	373.0*	437.0 ^[1]	323.0*	339.0 ^[1]	252.0*	256.0 ^[1]	213.0*	216.0 ^[1]	188.0*	188.0	161.0*	161.0
145	B		422.0 ^[1]		430.0 ^[1]		434.0 ^[1]		432.0 ^[1]	374.0*	423.0 ^[1]	347.0*	402.0 ^[1]	310.0*	329.0 ^[1]	247.0*	251.0 ^[1]	208.0*	212.0 ^[1]	185.0*	186.0 ^[1]	159.0*	159.0
	BV		491.0 ^[1]		495.0 ^[1]		493.0 ^[1]		494.0 ^[1]	384.0*	480.0 ^[1]	363.0*	429.0 ^[1]	319.0*	337.0 ^[1]	251.0*	255.0 ^[1]	211.0*	215.0 ^[1]	186.0*	187.0 ^[1]	160.0*	160.0

217 ft
HS



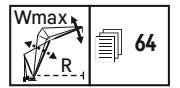
661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



48 LR1800-1.0



661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb



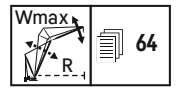
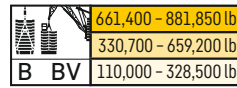
 ft		HS 236 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
40	B	850.0	850.0																				
	BV	856.0	856.0																				
45	B	827.0	853.0 ^[1]	755.0	756.0 ^[1]																		
	BV	836.0	864.0 ^[1]	761.0	761.0																		
50	B	858.0*	858.0	730.0	754.0 ^[1]	681.0	681.0																
	BV	873.0*	873.0	735.0	763.0 ^[1]	687.0	687.0																
55	B	828.0*	852.0 ^[1]	701.0	754.0 ^[1]	660.0	681.0 ^[1]	605.0	605.0														
	BV	843.0*	874.0 ^[1]	708.0	766.0 ^[1]	668.0	690.0 ^[1]	611.0	611.0														
60	B	795.0*	847.0 ^[1]	733.0*	751.0 ^[1]	688.0*	688.0	589.0	605.0 ^[1]														
	BV	811.0*	876.0 ^[1]	746.0*	767.0 ^[1]	699.0*	699.0	595.0	613.0 ^[1]														
65	B	765.0*	842.0 ^[1]	710.0*	750.0 ^[1]	668.0*	678.0 ^[1]	614.0*	614.0	487.0	487.0												
	BV	780.0*	877.0 ^[1]	721.0*	769.0 ^[1]	682.0*	695.0 ^[1]	624.0*	624.0	491.0	491.0												
70	B	732.0*	836.0 ^[1]	684.0*	748.0 ^[1]	649.0*	677.0 ^[1]	599.0*	605.0 ^[1]	477.0	487.0 ^[1]												
	BV	751.0*	879.0 ^[1]	697.0*	771.0 ^[1]	663.0*	697.0 ^[1]	610.0*	618.0 ^[1]	481.0	493.0 ^[1]												
75	B	699.0*	831.0 ^[1]	659.0*	746.0 ^[1]	629.0*	675.0 ^[1]	584.0*	603.0 ^[1]	465.0	488.0 ^[1]	388.0	388.0										
	BV	717.0*	880.0 ^[1]	673.0*	772.0 ^[1]	643.0*	699.0 ^[1]	596.0*	619.0 ^[1]	471.0	495.0 ^[1]	391.0	391.0										
80	B	666.0*	794.0 ^[1]	632.0*	745.0 ^[1]	605.0*	673.0 ^[1]	570.0*	601.0 ^[1]	487.0*	488.0 ^[1]	384.0	388.0 ^[1]										
	BV	685.0*	856.0 ^[1]	648.0*	774.0 ^[1]	622.0*	701.0 ^[1]	581.0*	620.0 ^[1]	495.0*	497.0 ^[1]	387.0	391.0 ^[1]										
85	B	632.0*	756.0 ^[1]	606.0*	730.0 ^[1]	581.0*	671.0 ^[1]	551.0*	599.0 ^[1]	477.0*	487.0 ^[1]	378.0	389.0 ^[1]	305.0	305.0								
	BV	633.0*	829.0 ^[1]	621.0*	766.0 ^[1]	598.0*	703.0 ^[1]	564.0*	621.0 ^[1]	486.0*	497.0 ^[1]	382.0	393.0 ^[1]	306.0	306.0								
90	B		718.0 ^[1]	582.0*	703.0 ^[1]	556.0*	669.0 ^[1]	529.0*	597.0 ^[1]	464.0*	485.0 ^[1]	389.0*	389.0	301.0	304.0 ^[1]								
	BV		801.0 ^[1]	597.0*	746.0 ^[1]	575.0*	705.0 ^[1]	546.0*	622.0 ^[1]	475.0*	496.0 ^[1]	394.0*	394.0	303.0	306.0 ^[1]								
95	B		682.0 ^[1]	556.0*	722.0 ^[1]	531.0*	644.0 ^[1]	506.0*	595.0 ^[1]	452.0*	483.0 ^[1]	384.0*	387.0 ^[1]	297.0	303.0 ^[1]	235.0	235.0	204.0	204.0				
	BV		771.0 ^[1]	572.0*	726.0 ^[1]	552.0*	688.0 ^[1]	526.0*	622.0 ^[1]	464.0*	496.0 ^[1]	390.0*	393.0 ^[1]	300.0	306.0 ^[1]	236.0	236.0						
100	B		649.0 ^[1]	526.0*	641.0 ^[1]	509.0*	625.0 ^[2]	486.0*	584.0 ^[1]	440.0*	482.0 ^[1]	378.0*	386.0 ^[1]	293.0	302.0 ^[1]	233.0	235.0 ^[1]	203.0	203.0	177.0	177.0		
	BV		738.0 ^[1]	523.0*	706.0 ^[1]	528.0*	671.0 ^[2]	505.0*	617.0 ^[1]	451.0*	495.0 ^[1]	384.0*	393.0 ^[1]	296.0	306.0 ^[1]	234.0	236.0 ^[1]	204.0	204.0	178.0	178.0		
105	B		620.0 ^[1]	459.0*	612.0 ^[1]	490.0*	599.0 ^[2]	467.0*	570.0 ^[2]	427.0*	480.0 ^[1]	369.0*	384.0 ^[1]	301.0*	302.0 ^[1]	230.0	234.0 ^[1]	201.0	202.0 ^[1]	176.0	176.0	152.0	152.0
	BV		705.0 ^[1]	457.0*	685.0 ^[1]	508.0*	655.0 ^[1]	485.0*	606.0 ^[1]	439.0*	495.0 ^[1]	378.0*	392.0 ^[1]	305.0*	306.0 ^[1]	232.0	236.0 ^[1]	202.0	203.0 ^[1]	176.0	176.0	152.0	152.0
110	B		592.0 ^[1]		586.0 ^[1]	472.0*	574.0 ^[1]	451.0*	556.0 ^[1]	413.0*	479.0 ^[1]	362.0*	383.0 ^[1]	298.0*	301.0 ^[1]	229.0*	234.0 ^[1]	199.0	202.0 ^[1]	175.0	175.0	150.0	150.0
	BV		672.0 ^[1]		664.0 ^[1]	490.0*	636.0 ^[1]	469.0*	594.0 ^[1]	426.0*	494.0 ^[1]	372.0*	392.0 ^[1]	302.0*	306.0 ^[1]	230.0	236.0 ^[1]	200.0	203.0 ^[1]	175.0	176.0 ^[1]	151.0	151.0
115	B		564.0 ^[1]		561.0 ^[1]	456.0*	549.0 ^[1]	436.0*	538.0 ^[1]	399.0*	472.0 ^[1]	356.0*	383.0 ^[1]	296.0*	300.0 ^[1]	233.0*	233.0	197.0	201.0 ^[1]	174.0	175.0 ^[1]	150.0	150.0
	BV		641.0 ^[1]		635.0 ^[1]	475.0*	618.0 ^[1]	453.0*	583.0 ^[1]	413.0*	492.0 ^[1]	365.0*	391.0 ^[1]	300.0*	305.0 ^[1]	235.0*	235.0	198.0	202.0 ^[1]	174.0	176.0 ^[1]	150.0	151.0 ^[1]
120	B		537.0 ^[1]		538.0 ^[1]	439.0*	527.0 ^[1]	423.0*	519.0 ^[1]	386.0*	460.0 ^[1]	349.0*	382.0 ^[1]	294.0*	299.0 ^[1]	232.0*	232.0	200.0*	201.0 ^[1]	172.0	175.0 ^[1]	149.0	150.0 ^[1]
	BV		611.0 ^[1]		607.0 ^[1]	454.0*	598.0 ^[1]	439.0*	572.0 ^[1]	400.0*	488.0 ^[1]	358.0*	391.0 ^[1]	298.0*	305.0 ^[1]	234.0*	235.0 ^[1]	202.0*	202.0	173.0	176.0 ^[1]	149.0	150.0 ^[1]
125	B		509.0 ^[1]		514.0 ^[1]	403.0*	506.0 ^[1]	410.0*	500.0 ^[1]	374.0*	459.0 ^[1]	341.0*	381.0 ^[1]	291.0*	298.0 ^[1]	231.0*	231.0	199.0*	199.0	175.0*	175.0	148.0*	150.0 ^[1]
	BV		584.0 ^[1]		580.0 ^[1]	406.0*	573.0 ^[1]	425.0*	560.0 ^[1]	388.0*	484.0 ^[1]	351.0*	390.0 ^[1]	295.0*	305.0 ^[1]	233.0*	234.0 ^[1]	200.0*	201.0 ^[1]	176.0*	176.0	148.0	150.0 ^[1]
130	B		484.0 ^[1]		492.0 ^[1]		487.0 ^[1]	396.0*	480.0 ^[1]	363.0*	445.0 ^[1]	332.0*	378.0 ^[1]	288.0*	297.0 ^[1]	229.0*	231.0 ^[1]	197.0*	198.0 ^[1]	174.0*	174.0	149.0*	149.0
	BV		559.0 ^[1]		555.0 ^[1]		548.0 ^[1]	412.0*	543.0 ^[1]	377.0*	480.0 ^[1]	343.0*	389.0 ^[1]	292.0*	304.0 ^[1]	232.0*	234.0 ^[1]	199.0*	200.0 ^[1]	175.0*	175.0	150.0*	150.0
135	B		463.0 ^[1]		470.0 ^[1]		469.0 ^[1]	383.0*	462.0 ^[1]	352.0*	439.0 ^[1]	323.0*	373.0 ^[1]	283.0*	297.0 ^[1]	228.0*	230.0 ^[1]	195.0*	197.0 ^[1]	173.0*	173.0	149.0*	149.0
	BV		535.0 ^[1]		532.0 ^[1]		525.0 ^[1]	400.0*	521.0 ^[1]	366.0*	476.0 ^[1]	334.0*	388.0 ^[1]	288.0*	304.0 ^[1]	231.0*	233.0 ^[1]	197.0*	199.0 ^[1]	174.0*	174.0	149.0*	149.0
140	B		442.0 ^[1]		447.0 ^[1]		451.0 ^[1]	371.0*	446.0 ^[1]	342.0*	428.0 ^[1]	314.0*	372.0 ^[1]	279.0*	296.0 ^[1]	227.0*	229.0 ^[1]	193.0*	196.0 ^[1]	171.0*	172.0 ^[1]	148.0*	148.0
	BV		512.0 ^[1]		510.0 ^[1]		503.0 ^[1]	385.0*	500.0 ^[1]	356.0*	472.0 ^[1]	325.0*	386.0 ^[1]	284.0*	304.0 ^[1]	229.0*	233.0 ^[1]	195.0*	198.0 ^[1]	173.0*	173.0	148.0*	149.0 ^[1]
145	B		421.0 ^[1]		427.0 ^[1]		433.0 ^[1]	339.0*	430.0 ^[1]	333.0*	412.0 ^[1]	305.0*	368.0 ^[1]	275.0*	295.0 ^[1]	225.0*	228.0 ^[1]	191.0*	195.0 ^[1]	170.0*	171.0 ^[1]	147.0*	147.0
	BV		489.0 ^[1]		491.0 ^[1]		483.0 ^[1]	341.0*	480.0 ^[1]	346.0*	468.0 ^[1]	317.0*	384.0 ^[1]	280.0*	303.0 ^[1]	228.0*	232.0 ^[1]	193.0*	197.0 ^[1]	172.0*	173.0 ^[1]	148.0*	148.0
150	B		402.0 ^[1]		410.0 ^[1]		415.0 ^[1]		413.0 ^[1]	324.0*	402.0 ^[1]	298.0*	359.0 ^[1]	270.0*	294.0 ^[1]	223.0*	228.0 ^[1]	189.0*	193.0 ^[1]	169.0*	170.0 ^[1]	146.0*	146.0
	BV		467.0 ^[1]		473.0 ^[1]		465.0 ^[1] </																



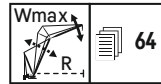
661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb

Wmax
64

 ft		HS 236 ft																						
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft		
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
200	B		256.0 ⁽⁹⁾		267.0 ⁽¹⁰⁾		271.0 ⁽¹¹⁾		280.0 ⁽¹¹⁾		285.0 ⁽⁹⁾		229.0*	282.0 ⁽⁶⁾	216.0*	269.0 ⁽⁴⁾	194.0*	223.0 ⁽³⁾	169.0*	182.0 ⁽²⁾	157.0*	164.0 ⁽²⁾	135.0*	140.0 ⁽²⁾
	BV		304.0 ⁽⁹⁾		314.0 ⁽¹⁰⁾		318.0 ⁽¹¹⁾		327.0 ⁽¹¹⁾		322.0 ⁽⁶⁾		237.0*	316.0 ⁽³⁾	223.0*	293.0 ⁽²⁾	200.0*	228.0 ⁽³⁾	172.0*	186.0 ⁽²⁾	159.0*	166.0 ⁽²⁾	137.0*	142.0 ⁽²⁾
210	B		235.0 ⁽⁸⁾		245.0 ⁽⁹⁾		247.0 ⁽¹⁰⁾		259.0 ⁽¹¹⁾		265.0 ⁽¹⁰⁾		211.0*	265.0 ⁽⁷⁾	204.0*	258.0 ⁽⁵⁾	186.0*	219.0 ⁽²⁾	165.0*	180.0 ⁽³⁾	154.0*	162.0 ⁽²⁾	133.0*	138.0 ⁽²⁾
	BV		281.0 ⁽⁸⁾		289.0 ⁽⁹⁾		293.0 ⁽¹⁰⁾		304.0 ⁽¹¹⁾		304.0 ⁽⁸⁾		214.0*	298.0 ⁽⁴⁾	211.0*	284.0 ⁽³⁾	193.0*	226.0 ⁽³⁾	168.0*	183.0 ⁽³⁾	156.0*	165.0 ⁽³⁾	135.0*	140.0 ⁽²⁾
220	B		215.0 ⁽⁴⁾		225.0 ⁽⁹⁾		227.0 ⁽¹⁰⁾		238.0 ⁽¹¹⁾		246.0 ⁽¹¹⁾		182.0*	247.0 ⁽⁷⁾	193.0*	243.0 ⁽⁵⁾	177.0*	216.0 ⁽²⁾	160.0*	177.0 ⁽³⁾	150.0*	161.0 ⁽³⁾	131.0*	137.0 ⁽³⁾
	BV		259.0 ⁽⁷⁾		268.0 ⁽⁹⁾		270.0 ⁽¹⁰⁾		281.0 ⁽¹¹⁾		286.0 ⁽⁹⁾		182.0*	282.0 ⁽⁵⁾	200.0*	275.0 ⁽³⁾	184.0*	225.0 ⁽³⁾	163.0*	181.0 ⁽³⁾	153.0*	164.0 ⁽³⁾	133.0*	139.0 ⁽³⁾
230	B		199.0 ⁽⁷⁾		208.0 ⁽⁸⁾		208.0 ⁽⁹⁾		218.0 ⁽¹⁰⁾		230.0 ⁽¹¹⁾		231.0 ⁽⁸⁾	183.0*	227.0 ⁽⁵⁾	168.0*	209.0 ⁽³⁾	156.0*	175.0 ⁽³⁾	146.0*	159.0 ⁽³⁾	128.0*	136.0 ⁽³⁾	
	BV		241.0 ⁽⁴⁾		248.0 ⁽⁸⁾		249.0 ⁽⁹⁾		259.0 ⁽¹⁰⁾		269.0 ⁽⁹⁾		267.0 ⁽⁶⁾	187.0*	260.0 ⁽⁴⁾	175.0*	223.0 ⁽³⁾	159.0*	179.0 ⁽³⁾	149.0*	163.0 ⁽³⁾	130.0*	138.0 ⁽³⁾	
240	B				191.0 ⁽⁷⁾		191.0 ⁽⁹⁾		200.0 ⁽¹⁰⁾		214.0 ⁽¹¹⁾		216.0 ⁽⁸⁾	172.0*	213.0 ⁽⁴⁾	159.0*	204.0 ⁽³⁾	150.0*	173.0 ⁽³⁾	141.0*	158.0 ⁽³⁾	124.0*	134.0 ⁽³⁾	
	BV				230.0 ⁽⁷⁾		231.0 ⁽⁹⁾		240.0 ⁽¹⁰⁾		252.0 ⁽¹⁰⁾		251.0 ⁽⁶⁾	173.0*	246.0 ⁽⁴⁾	166.0*	221.0 ⁽³⁾	155.0*	177.0 ⁽³⁾	145.0*	161.0 ⁽³⁾	126.0*	137.0 ⁽³⁾	
250	B				177.0 ⁽⁷⁾		175.0 ⁽⁸⁾		184.0 ⁽⁹⁾		199.0 ⁽¹¹⁾		203.0 ⁽⁹⁾	158.0*	200.0 ⁽⁴⁾	151.0*	193.0 ⁽³⁾	143.0*	170.0 ⁽³⁾	135.0*	156.0 ⁽³⁾	121.0*	133.0 ⁽³⁾	
	BV				214.0 ⁽⁷⁾		214.0 ⁽⁸⁾		222.0 ⁽⁹⁾		237.0 ⁽¹¹⁾		236.0 ⁽⁶⁾	158.0*	232.0 ⁽⁴⁾	158.0*	213.0 ⁽³⁾	149.0*	174.0 ⁽³⁾	140.0*	159.0 ⁽³⁾	124.0*	135.0 ⁽³⁾	
260	B						161.0 ⁽⁷⁾		169.0 ⁽⁹⁾		183.0 ⁽¹¹⁾		192.0 ⁽¹⁰⁾	134.0*	189.0 ⁽⁷⁾	143.0*	184.0 ⁽⁵⁾	136.0*	167.0 ⁽⁴⁾	129.0*	154.0 ⁽³⁾	118.0*	131.0 ⁽³⁾	
	BV						197.0 ⁽⁷⁾		205.0 ⁽⁹⁾		220.0 ⁽¹¹⁾		223.0 ⁽⁷⁾	133.0*	218.0 ⁽⁴⁾	149.0*	208.0 ⁽⁴⁾	141.0*	172.0 ⁽³⁾	134.0*	157.0 ⁽³⁾	121.0*	133.0 ⁽³⁾	
270	B						148.0 ⁽⁷⁾		155.0 ⁽⁸⁾		167.0 ⁽¹⁰⁾		182.0 ⁽¹¹⁾		178.0 ⁽⁷⁾	135.0*	174.0 ⁽⁵⁾	128.0*	165.0 ⁽⁴⁾	122.0*	152.0 ⁽⁴⁾	114.0*	129.0 ⁽³⁾	
	BV						183.0 ⁽⁷⁾		190.0 ⁽⁸⁾		203.0 ⁽¹⁰⁾		211.0 ⁽⁸⁾		206.0 ⁽⁵⁾	142.0*	199.0 ⁽⁴⁾	134.0*	170.0 ⁽⁴⁾	127.0*	156.0 ⁽⁴⁾	118.0*	132.0 ⁽⁴⁾	
280	B								142.0 ⁽⁷⁾		154.0 ⁽¹⁰⁾		170.0 ⁽¹¹⁾		170.0 ⁽⁸⁾	128.0*	165.0 ⁽⁴⁾	121.0*	157.0 ⁽⁴⁾	115.0*	150.0 ⁽⁴⁾	109.0*	128.0 ⁽⁴⁾	
	BV								176.0 ⁽⁷⁾		188.0 ⁽¹⁰⁾		201.0 ⁽¹⁰⁾		195.0 ⁽⁵⁾	132.0*	191.0 ⁽⁴⁾	127.0*	168.0 ⁽⁴⁾	121.0*	154.0 ⁽⁴⁾	113.0*	131.0 ⁽⁴⁾	
290	B								130.0 ⁽⁷⁾		141.0 ⁽⁹⁾		158.0 ⁽¹¹⁾		162.0 ⁽⁹⁾	118.0*	157.0 ⁽⁴⁾	115.0*	153.0 ⁽⁵⁾	109.0*	145.0 ⁽⁴⁾	103.0*	127.0 ⁽⁴⁾	
	BV								163.0 ⁽⁷⁾		174.0 ⁽⁹⁾		189.0 ⁽¹⁰⁾		187.0 ⁽⁴⁾	119.0*	182.0 ⁽⁴⁾	120.0*	165.0 ⁽⁴⁾	114.0*	153.0 ⁽⁴⁾	107.0*	129.0 ⁽⁴⁾	
300	B										129.0 ⁽⁹⁾		145.0 ⁽¹¹⁾		153.0 ⁽¹⁰⁾	98.5*	149.0 ⁽⁷⁾	108.0*	144.0 ⁽⁴⁾	103.0*	141.0 ⁽⁵⁾	97.2*	124.0 ⁽⁵⁾	
	BV										161.0 ⁽⁹⁾		176.0 ⁽¹⁰⁾		179.0 ⁽⁷⁾	98.6*	172.0 ⁽⁴⁾	112.0*	163.0 ⁽⁴⁾	108.0*	151.0 ⁽⁴⁾	101.0*	128.0 ⁽⁴⁾	
310	B										117.0 ⁽⁸⁾		133.0 ⁽¹⁰⁾		144.0 ⁽¹⁰⁾		142.0 ⁽⁸⁾	99.5*	138.0 ⁽⁴⁾	97.5*	135.0 ⁽⁵⁾	91.7*	124.0 ⁽⁵⁾	
	BV										148.0 ⁽⁸⁾		163.0 ⁽¹⁰⁾		170.0 ⁽⁸⁾		166.0 ⁽⁵⁾	101.0*	159.0 ⁽⁴⁾	102.0*	148.0 ⁽⁴⁾	96.1*	127.0 ⁽⁵⁾	
320	B										107.0 ⁽⁷⁾		122.0 ⁽¹⁰⁾		135.0 ⁽¹¹⁾		135.0 ⁽⁸⁾	83.3*	132.0 ⁽⁷⁾	92.0*	129.0 ⁽⁴⁾	86.4*	121.0 ⁽⁵⁾	
	BV										137.0 ⁽⁷⁾		151.0 ⁽¹⁰⁾		159.0 ⁽⁸⁾		157.0 ⁽⁶⁾	83.2*	153.0 ⁽⁵⁾	96.0*	146.0 ⁽⁴⁾	90.7*	126.0 ⁽⁵⁾	
330	B										97.1 ⁽⁷⁾		111.0 ⁽⁹⁾		126.0 ⁽¹¹⁾		128.0 ⁽⁹⁾		126.0 ⁽⁸⁾	84.2*	122.0 ⁽⁷⁾	81.4*	116.0 ⁽⁶⁾	
	BV										126.0 ⁽⁷⁾		140.0 ⁽⁹⁾		150.0 ⁽⁹⁾		149.0 ⁽⁶⁾		146.0 ⁽⁵⁾	86.0*	140.0 ⁽⁴⁾	85.4*	124.0 ⁽⁵⁾	
340	B										101.0 ⁽⁹⁾		115.0 ⁽¹¹⁾		120.0 ⁽⁹⁾		119.0 ⁽⁸⁾	69.8*	119.0 ⁽⁹⁾	69.8*	116.0 ⁽⁷⁾	76.8*	113.0 ⁽⁶⁾	
	BV										129.0 ⁽⁹⁾		141.0 ⁽¹⁰⁾		141.0 ⁽⁷⁾		141.0 ⁽⁷⁾	138.0 ⁽⁶⁾	138.0 ⁽⁶⁾	69.8*	134.0 ⁽⁵⁾	80.3*	122.0 ⁽⁵⁾	
350	B										91.4 ⁽⁸⁾		105.0 ⁽¹⁰⁾		113.0 ⁽¹⁰⁾		113.0 ⁽¹⁰⁾		113.0 ⁽⁹⁾		111.0 ⁽⁸⁾	70.0*	108.0 ⁽⁷⁾	
	BV										119.0 ⁽⁸⁾		132.0 ⁽¹⁰⁾		134.0 ⁽⁸⁾		134.0 ⁽⁸⁾		130.0 ⁽⁴⁾		127.0 ⁽⁵⁾	71.5*	120.0 ⁽⁵⁾	
360	B										82.3 ⁽⁷⁾		95.6 ⁽¹⁰⁾		108.0 ⁽¹¹⁾		106.0 ⁽⁹⁾		106.0 ⁽⁹⁾		105.0 ⁽⁸⁾	57.2*	102.0 ⁽⁷⁾	
	BV										109.0 ⁽⁷⁾		122.0 ⁽¹⁰⁾		122.0 ⁽¹⁰⁾		126.0 ⁽⁸⁾		123.0 ⁽⁷⁾		120.0 ⁽⁶⁾	57.2*	116.0 ⁽⁵⁾	
370	B										74.1 ⁽⁷⁾		86.2 ⁽⁹⁾		86.2 ⁽⁹⁾		100.0 ⁽¹¹⁾		99.3 ⁽⁹⁾		98.7 ⁽⁹⁾		96.7 ⁽⁸⁾	
	BV										100.0 ⁽⁷⁾		112.0 ⁽⁹⁾		112.0 ⁽⁹⁾		119.0 ⁽⁹⁾		117.0 ⁽⁷⁾		114.0 ⁽⁴⁾		110.0 ⁽³⁾	
380	B										77.8 ⁽⁹⁾		91.2 ⁽¹¹⁾		91.2 ⁽¹¹⁾		91.2 ⁽¹¹⁾		94.8 ⁽¹¹⁾		93.1 ⁽⁹⁾		91.0 ⁽⁸⁾	
	BV										103.0 ⁽⁹⁾		114.0 ⁽⁹⁾		114.0 ⁽¹⁰⁾		111.0 ⁽⁸⁾		108.0 ⁽⁴⁾		108.0 ⁽⁴⁾		104.0 ⁽³⁾	
390	B										69.5 ⁽⁸⁾		82.1 ⁽¹⁰⁾		82.1 ⁽¹⁰⁾		82.1 ⁽¹⁰⁾		87.6 ⁽¹¹⁾		87.4 ⁽⁹⁾		85.2 ⁽⁸⁾	
	BV										94.2 ⁽⁸⁾		106.0 ⁽¹⁰⁾		106.0 ⁽¹⁰⁾		106.0 ⁽¹⁰⁾		106.0 ⁽⁸⁾		103.0 ⁽⁷⁾		99.2 ⁽⁶⁾	
400	B										61.6 ⁽⁷⁾		74.1 ⁽¹⁰⁾		74.1 ⁽¹⁰⁾		74.1 ⁽¹⁰⁾		79.5 ⁽¹¹⁾		83.5 ⁽¹¹⁾		80.7 ⁽⁹⁾	
	BV										85.6 ⁽⁷⁾		98.0 ⁽¹⁰⁾		98.0 ⁽¹⁰⁾		98.1 ⁽⁸⁾		101.0 ⁽¹⁰⁾		94.3 ⁽⁶⁾		94.3 ⁽⁶⁾	
410	B										54.8 ⁽⁷⁾		66.0 ⁽⁹⁾		66.0 ⁽⁹⁾		66.0 ⁽⁹⁾		70.9 ⁽¹⁰⁾		76.8 ⁽¹¹⁾		75.9 ⁽⁹⁾	
	BV										78.2 ⁽⁷⁾		89.2 ⁽⁹⁾		89.2 ⁽⁹⁾		89.2 ⁽⁹⁾		94.2 ⁽¹⁰⁾		93.8 ⁽⁸⁾		90.0 ⁽⁷⁾	
420	B																57.8 ⁽⁸⁾		63.4 ⁽¹⁰⁾		69.3 ⁽¹¹⁾		71.9 ⁽¹¹⁾	
	BV																80.7 ⁽⁸⁾		86.2 ⁽¹⁰⁾		88.8 ⁽⁹⁾		85.7 ⁽⁷⁾	
430	B																51.3 ⁽⁸⁾		55.8 ⁽⁹⁾		61.3 ⁽¹⁰⁾		65.9 ⁽¹¹⁾	
	BV																73.7 ⁽⁸⁾	<						

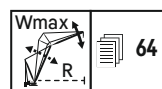


 ft		HS 256 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
40	B	783.0	783.0																				
	BV	788.0	788.0																				
45	B	753.0	776.0 ⁽¹⁾	688.0	688.0																		
	BV	760.0	784.0 ⁽¹⁾	692.0	692.0																		
50	B	724.0	774.0 ⁽¹⁾	664.0	682.0 ⁽¹⁾	621.0	621.0																
	BV	731.0	785.0 ⁽¹⁾	670.0	689.0 ⁽¹⁾	625.0	625.0																
55	B	756.0*	771.0 ⁽¹⁾	641.0	682.0 ⁽¹⁾	602.0	617.0 ⁽¹⁾	553.0	553.0														
	BV	769.0*	786.0 ⁽¹⁾	648.0	691.0 ⁽¹⁾	608.0	624.0 ⁽¹⁾	557.0	557.0														
60	B	728.0*	768.0 ⁽¹⁾	672.0*	679.0 ⁽¹⁾	583.0	617.0 ⁽¹⁾	538.0	550.0 ⁽¹⁾														
	BV	742.0*	786.0 ⁽¹⁾	682.0*	692.0 ⁽¹⁾	589.0	626.0 ⁽¹⁾	544.0	556.0 ⁽¹⁾														
65	B	702.0*	766.0 ⁽¹⁾	650.0*	676.0 ⁽¹⁾	613.0*	615.0 ⁽¹⁾	524.0	550.0 ⁽¹⁾	445.0	445.0												
	BV	714.0*	787.0 ⁽¹⁾	660.0*	692.0 ⁽¹⁾	622.0*	627.0 ⁽¹⁾	529.0	558.0 ⁽¹⁾	448.0	448.0												
70	B	676.0*	764.0 ⁽¹⁾	627.0*	674.0 ⁽¹⁾	594.0*	613.0 ⁽¹⁾	549.0*	550.0 ⁽¹⁾	435.0	442.0 ⁽¹⁾												
	BV	688.0*	787.0 ⁽¹⁾	639.0*	693.0 ⁽¹⁾	606.0*	627.0 ⁽¹⁾	557.0*	559.0 ⁽¹⁾	439.0	447.0 ⁽¹⁾												
75	B	648.0*	761.0 ⁽¹⁾	607.0*	672.0 ⁽¹⁾	577.0*	610.0 ⁽¹⁾	535.0*	547.0 ⁽¹⁾	426.0	443.0 ⁽¹⁾	359.0	359.0										
	BV	663.0*	788.0 ⁽¹⁾	617.0*	693.0 ⁽¹⁾	589.0*	628.0 ⁽¹⁾	545.0*	559.0 ⁽¹⁾	430.0	449.0 ⁽¹⁾	362.0	362.0										
80	B	621.0*	752.0 ⁽¹⁾	587.0*	670.0 ⁽¹⁾	561.0*	608.0 ⁽¹⁾	521.0*	545.0 ⁽¹⁾	443.0*	444.0 ⁽¹⁾	352.0	357.0 ⁽¹⁾										
	BV	639.0*	784.0 ⁽¹⁾	597.0*	694.0 ⁽¹⁾	572.0*	628.0 ⁽¹⁾	531.0*	559.0 ⁽¹⁾	419.0	450.0 ⁽¹⁾	356.0	360.0 ⁽¹⁾										
85	B	599.0*	725.0 ⁽²⁾	562.0*	667.0 ⁽¹⁾	541.0*	606.0 ⁽¹⁾	506.0*	542.0 ⁽¹⁾	435.0*	442.0 ⁽¹⁾	345.0	356.0 ⁽¹⁾	283.0	283.0								
	BV	617.0*	765.0 ⁽¹⁾	577.0*	694.0 ⁽¹⁾	553.0*	628.0 ⁽¹⁾	518.0*	559.0 ⁽¹⁾	443.0*	450.0 ⁽¹⁾	350.0	361.0 ⁽¹⁾	285.0	285.0								
90	B		698.0 ⁽³⁾	538.0*	649.0 ⁽¹⁾	520.0*	604.0 ⁽¹⁾	491.0*	540.0 ⁽¹⁾	424.0*	440.0 ⁽¹⁾	337.0	355.0 ⁽¹⁾	280.0	282.0 ⁽¹⁾								
	BV		746.0 ⁽¹⁾	555.0*	685.0 ⁽¹⁾	534.0*	629.0 ⁽¹⁾	503.0*	558.0 ⁽¹⁾	432.0*	449.0 ⁽¹⁾	342.0	361.0 ⁽¹⁾	282.0	284.0 ⁽¹⁾								
95	B		666.0 ⁽⁴⁾	514.0*	629.0 ⁽²⁾	497.0*	597.0 ⁽¹⁾	472.0*	538.0 ⁽¹⁾	413.0*	438.0 ⁽¹⁾	352.0*	355.0 ⁽¹⁾	277.0	281.0 ⁽¹⁾	220.0	220.0						
	BV		726.0 ⁽¹⁾	535.0*	673.0 ⁽¹⁾	513.0*	626.0 ⁽¹⁾	487.0*	558.0 ⁽¹⁾	422.0*	449.0 ⁽¹⁾	357.0*	361.0 ⁽¹⁾	279.0	284.0 ⁽¹⁾	220.0	220.0						
100	B		636.0 ⁽³⁾	494.0*	608.0 ⁽³⁾	475.0*	578.0 ⁽¹⁾	454.0*	536.0 ⁽¹⁾	402.0*	436.0 ⁽¹⁾	345.0*	354.0 ⁽¹⁾	271.0	281.0 ⁽¹⁾	217.0	219.0 ⁽¹⁾	190.0	190.0				
	BV		707.0 ⁽¹⁾	514.0*	616.0 ⁽¹⁾	491.0*	571.0 ⁽¹⁾	469.0*	558.0 ⁽¹⁾	411.0*	448.0 ⁽¹⁾	350.0*	360.0 ⁽¹⁾	274.0	284.0 ⁽¹⁾	218.0	220.0 ⁽¹⁾	190.0	190.0				
105	B		607.0 ⁽³⁾	474.0*	590.0 ⁽⁴⁾	455.0*	562.0 ⁽²⁾	437.0*	524.0 ⁽¹⁾	391.0*	435.0 ⁽¹⁾	338.0*	352.0 ⁽¹⁾	280.0*	280.0	215.0	219.0 ⁽¹⁾	189.0	189.0	165.0	165.0		
	BV		688.0 ⁽¹⁾	489.0*	649.0 ⁽¹⁾	472.0*	606.0 ⁽¹⁾	451.0*	553.0 ⁽¹⁾	402.0*	448.0 ⁽¹⁾	344.0*	359.0 ⁽¹⁾	283.0*	284.0 ⁽¹⁾	217.0	220.0 ⁽¹⁾	189.0	190.0 ⁽¹⁾	165.0	165.0		
110	B		581.0 ⁽¹⁾		571.0 ⁽³⁾	440.0*	552.0 ⁽³⁾	423.0*	517.0 ⁽³⁾	381.0*	433.0 ⁽¹⁾	332.0*	351.0 ⁽¹⁾	278.0*	280.0 ⁽³⁾	214.0	218.0 ⁽¹⁾	187.0	189.0 ⁽¹⁾	164.0	164.0	142.0	142.0
	BV		659.0 ⁽²⁾		637.0 ⁽¹⁾	457.0*	597.0 ⁽¹⁾	435.0*	547.0 ⁽¹⁾	392.0*	447.0 ⁽¹⁾	338.0*	358.0 ⁽¹⁾	281.0*	283.0 ⁽¹⁾	215.0	220.0 ⁽¹⁾	188.0	189.0 ⁽¹⁾	164.0	165.0 ⁽¹⁾	142.0	142.0
115	B		556.0 ⁽¹⁾		548.0 ⁽⁴⁾	426.0*	534.0 ⁽⁴⁾	407.0*	502.0 ⁽³⁾	369.0*	432.0 ⁽¹⁾	326.0*	350.0 ⁽¹⁾	275.0*	279.0 ⁽³⁾	219.0*	219.0	185.0	189.0 ⁽¹⁾	163.0	164.0 ⁽¹⁾	141.0	141.0
	BV		631.0 ⁽²⁾		623.0 ⁽¹⁾	443.0*	587.0 ⁽¹⁾	421.0*	541.0 ⁽¹⁾	381.0*	447.0 ⁽¹⁾	332.0*	358.0 ⁽¹⁾	278.0*	283.0 ⁽¹⁾	220.0*	220.0	186.0	190.0 ⁽¹⁾	164.0	165.0 ⁽¹⁾	141.0	142.0 ⁽¹⁾
120	B		530.0 ⁽¹⁾		526.0 ⁽¹⁾	412.0*	515.0 ⁽⁴⁾	393.0*	493.0 ⁽³⁾	358.0*	425.0 ⁽¹⁾	320.0*	349.0 ⁽¹⁾	271.0*	278.0 ⁽¹⁾	217.0*	218.0 ⁽¹⁾	183.0	189.0 ⁽¹⁾	162.0	164.0 ⁽¹⁾	140.0	141.0 ⁽¹⁾
	BV		603.0 ⁽²⁾		597.0 ⁽¹⁾	430.0*	577.0 ⁽¹⁾	408.0*	536.0 ⁽¹⁾	369.0*	448.0 ⁽¹⁾	326.0*	357.0 ⁽¹⁾	275.0*	282.0 ⁽¹⁾	219.0*	220.0 ⁽¹⁾	184.0	190.0 ⁽¹⁾	163.0	165.0 ⁽¹⁾	141.0	142.0 ⁽¹⁾
125	B		505.0 ⁽¹⁾		506.0 ⁽⁹⁾	401.0*	495.0 ⁽⁵⁾	381.0*	478.0 ⁽⁴⁾	347.0*	417.0 ⁽¹⁾	313.0*	349.0 ⁽¹⁾	268.0*	277.0 ⁽³⁾	216.0*	217.0 ⁽¹⁾	188.0*	188.0	161.0	164.0 ⁽¹⁾	139.0	141.0 ⁽¹⁾
	BV		576.0 ⁽⁴⁾		572.0 ⁽²⁾	412.0*	562.0 ⁽¹⁾	396.0*	530.0 ⁽¹⁾	358.0*	442.0 ⁽¹⁾	321.0*	356.0 ⁽¹⁾	272.0*	282.0 ⁽¹⁾	218.0*	220.0 ⁽¹⁾	189.0*	190.0 ⁽¹⁾	162.0	165.0 ⁽¹⁾	140.0	142.0 ⁽¹⁾
130	B		480.0 ⁽¹⁾		486.0 ⁽¹⁰⁾		477.0 ⁽⁴⁾	370.0*	469.0 ⁽⁴⁾	337.0*	412.0 ⁽²⁾	306.0*	349.0 ⁽¹⁾	264.0*	277.0 ⁽¹⁾	215.0*	216.0 ⁽¹⁾	186.0*	187.0 ⁽²⁾	164.0*	164.0	138.0*	141.0 ⁽¹⁾
	BV		551.0 ⁽⁴⁾		547.0 ⁽¹⁾		540.0 ⁽¹⁾	385.0*	524.0 ⁽¹⁾	347.0*	440.0 ⁽¹⁾	314.0*	355.0 ⁽¹⁾	268.0*	281.0 ⁽¹⁾	217.0*	219.0 ⁽¹⁾	188.0*	189.0 ⁽¹⁾	165.0*	165.0	139.0	142.0 ⁽¹⁾
135	B		457.0 ⁽¹⁰⁾		466.0 ⁽¹⁰⁾		459.0 ⁽⁷⁾	360.0*	453.0 ⁽³⁾	328.0*	402.0 ⁽¹⁾	298.0*	346.0 ⁽¹⁾	260.0*	276.0 ⁽¹⁾	213.0*	216.0 ⁽¹⁾	185.0*	186.0 ⁽¹⁾	163.0*	163.0	141.0*	141.0
	BV		528.0 ⁽¹⁾		524.0 ⁽⁴⁾		517.0 ⁽²⁾	375.0*	511.0 ⁽¹⁾	338.0*	438.0 ⁽¹⁾	307.0*	354.0 ⁽¹⁾	265.0*	281.0 ⁽¹⁾	216.0*	219.0 ⁽¹⁾	186.0*	188.0 ⁽¹⁾	164.0*	165.0 ⁽¹⁾	141.0*	141.0
140	B		438.0 ⁽¹⁾		445.0 ⁽¹⁰⁾		443.0 ⁽⁸⁾	350.0*	436.0 ⁽³⁾	318.0*	397.0 ⁽³⁾	291.0*	343.0 ⁽¹⁾	257.0*	276.0 ⁽¹⁾	212.0*	215.0 ⁽¹⁾	183.0*	185.0 ⁽¹⁾	162.0*	163.0 ⁽¹⁾	140.0*	140.0
	BV		507.0 ⁽¹⁾		503.0 ⁽²⁾		496.0 ⁽²⁾	364.0*	491.0 ⁽¹⁾	328.0*	399.0 ⁽¹⁾	299.0*	352.0 ⁽¹⁾	261.0*	281.0 ⁽¹⁾	214.0*	218.0 ⁽¹⁾	184.0*	187.0 ⁽¹⁾	164.0*	164.0	141.0*	141.0
145	B		418.0 ⁽¹⁾		424.0 ⁽¹⁰⁾		428.0 ⁽¹⁰⁾	343.0*	422.0 ⁽⁴⁾	308.0*	387.0 ⁽¹⁾	283.0*	339.0 ⁽¹⁾	253.0*	276.0 ⁽¹⁾	210.0*	214.0 ⁽¹⁾	181.0*	184.0 ⁽¹⁾	161.0*	162.0 ⁽¹⁾	139.0*	139.0
	BV		485.0 ⁽¹⁾		484.0 ⁽⁶⁾		477.0 ⁽³⁾	351.0*	473.0 ⁽²⁾	319.0*	433.0 ⁽¹⁾	292.0*	351.0 ⁽¹⁾	257.0*	280.0 ⁽¹⁾	212.0*	218.0 ⁽¹⁾	183.0*	186.0 ⁽¹⁾	163.0*	163.0	140.0*	140.0
150	B		399.0 ⁽¹⁾		404.0 ⁽¹¹⁾		412.0 ⁽¹¹⁾		408.0 ⁽⁷⁾	299.0*	381.0 ⁽⁴⁾	276.0*	336.0 ⁽¹⁾	248.0*	274.0 ⁽¹⁾	208.0*	214.0 ⁽¹⁾	179.0*	1				

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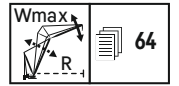


661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb



	HS 276 ft																						
	W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft		
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
45	B	677.0	692.0 ⁽¹⁾																				
	BV	682.0	698.0 ⁽¹⁾																				
50	B	652.0	690.0 ⁽¹⁾	598.0	609.0 ⁽¹⁾	556.0	556.0																
	BV	658.0	699.0 ⁽¹⁾	602.0	614.0 ⁽¹⁾	560.0	560.0																
55	B	683.0*	687.0 ⁽¹⁾	578.0	608.0 ⁽¹⁾	542.0	550.0 ⁽¹⁾	496.0	496.0														
	BV	692.0*	699.0 ⁽¹⁾	583.0	615.0 ⁽¹⁾	545.0	555.0 ⁽¹⁾	500.0	500.0														
60	B	659.0*	683.0 ⁽¹⁾	605.0*	607.0 ⁽¹⁾	525.0	549.0 ⁽¹⁾	485.0	491.0 ⁽¹⁾														
	BV	669.0*	698.0 ⁽¹⁾	613.0*	616.0 ⁽¹⁾	530.0	555.0 ⁽¹⁾	488.0	495.0 ⁽¹⁾														
65	B	637.0*	680.0 ⁽¹⁾	588.0*	603.0 ⁽¹⁾	550.0*	550.0	472.0	491.0 ⁽¹⁾	399.0	399.0												
	BV	647.0*	697.0 ⁽¹⁾	595.0*	615.0 ⁽¹⁾	557.0*	557.0	476.0	496.0 ⁽¹⁾	401.0	401.0												
70	B	615.0*	677.0 ⁽¹⁾	569.0*	600.0 ⁽¹⁾	537.0*	546.0 ⁽¹⁾	493.0*	493.0	391.0	395.0 ⁽¹⁾												
	BV	623.0*	696.0 ⁽¹⁾	576.0*	614.0 ⁽¹⁾	543.0*	556.0 ⁽¹⁾	499.0*	499.0	393.0	398.0 ⁽¹⁾												
75	B	592.0*	675.0 ⁽¹⁾	551.0*	597.0 ⁽¹⁾	522.0*	543.0 ⁽¹⁾	483.0*	489.0 ⁽¹⁾	383.0	394.0 ⁽¹⁾	323.0	323.0										
	BV	602.0*	696.0 ⁽¹⁾	558.0*	613.0 ⁽¹⁾	529.0*	555.0 ⁽¹⁾	488.0*	496.0 ⁽¹⁾	385.0	399.0 ⁽¹⁾	325.0	325.0										
80	B	571.0*	672.0 ⁽¹⁾	533.0*	594.0 ⁽¹⁾	507.0*	540.0 ⁽¹⁾	470.0*	486.0 ⁽¹⁾	398.0*	398.0	316.0	319.0 ⁽¹⁾										
	BV	582.0*	695.0 ⁽¹⁾	540.0*	613.0 ⁽¹⁾	514.0*	554.0 ⁽¹⁾	476.0*	495.0 ⁽¹⁾	376.0	399.0 ⁽¹⁾	319.0	322.0 ⁽¹⁾										
85	B	551.0*	659.0 ⁽¹⁾	514.0*	591.0 ⁽¹⁾	491.0*	538.0 ⁽¹⁾	457.0*	483.0 ⁽¹⁾	390.0*	393.0 ⁽¹⁾	310.0	318.0 ⁽¹⁾	258.0	258.0								
	BV	563.0*	688.0 ⁽¹⁾	522.0*	612.0 ⁽¹⁾	500.0*	553.0 ⁽¹⁾	465.0*	494.0 ⁽¹⁾	395.0*	399.0 ⁽¹⁾	312.0	321.0 ⁽¹⁾	259.0	259.0								
90	B	532.0*	639.0 ⁽¹⁾	494.0*	588.0 ⁽¹⁾	474.0*	535.0 ⁽¹⁾	444.0*	480.0 ⁽¹⁾	381.0*	392.0 ⁽¹⁾	303.0	317.0 ⁽¹⁾	253.0	255.0 ⁽¹⁾								
	BV	549.0*	677.0 ⁽¹⁾	506.0*	611.0 ⁽¹⁾	485.0*	552.0 ⁽¹⁾	452.0*	493.0 ⁽¹⁾	386.0*	398.0 ⁽¹⁾	305.0	321.0 ⁽¹⁾	255.0	256.0 ⁽¹⁾								
95	B		617.0 ⁽²⁾	473.0*	573.0 ⁽¹⁾	454.0*	533.0 ⁽¹⁾	430.0*	478.0 ⁽¹⁾	371.0*	390.0 ⁽¹⁾	315.0*	316.0 ⁽¹⁾	248.0	254.0 ⁽¹⁾	198.0	198.0						
	BV		667.0 ⁽¹⁾	488.0*	604.0 ⁽¹⁾	467.0*	552.0 ⁽¹⁾	438.0*	492.0 ⁽¹⁾	377.0*	397.0 ⁽¹⁾	319.0*	320.0 ⁽¹⁾	250.0	256.0 ⁽¹⁾	199.0	199.0						
100	B		595.0 ⁽²⁾	455.0*	559.0 ⁽¹⁾	436.0*	525.0 ⁽¹⁾	415.0*	476.0 ⁽¹⁾	361.0*	388.0 ⁽¹⁾	310.0*	315.0 ⁽¹⁾	244.0	253.0 ⁽¹⁾	197.0	197.0	172.0	172.0				
	BV		656.0 ⁽¹⁾	471.0*	598.0 ⁽¹⁾	449.0*	548.0 ⁽¹⁾	425.0*	491.0 ⁽¹⁾	367.0*	395.0 ⁽¹⁾	314.0*	319.0 ⁽¹⁾	245.0	255.0 ⁽¹⁾	198.0	198.0	173.0	173.0				
105	B		576.0 ⁽⁷⁾	440.0*	544.0 ⁽¹⁾	419.0*	513.0 ⁽¹⁾	401.0*	473.0 ⁽¹⁾	353.0*	386.0 ⁽¹⁾	304.0*	314.0 ⁽¹⁾	254.0*	254.0	195.0	197.0 ⁽¹⁾	171.0	171.0	150.0	150.0		
	BV		645.0 ⁽¹⁾	455.0*	591.0 ⁽¹⁾	433.0*	543.0 ⁽¹⁾	411.0*	490.0 ⁽¹⁾	358.0*	394.0 ⁽¹⁾	308.0*	319.0 ⁽¹⁾	255.0*	255.0	196.0	198.0 ⁽¹⁾	171.0	172.0 ⁽¹⁾	150.0	150.0		
110	B		560.0 ⁽⁹⁾	415.0*	530.0 ⁽¹⁾	404.0*	501.0 ⁽¹⁾	387.0*	465.0 ⁽¹⁾	345.0*	385.0 ⁽¹⁾	298.0*	313.0 ⁽¹⁾	251.0*	253.0 ⁽¹⁾	192.0	197.0 ⁽¹⁾	170.0	171.0 ⁽¹⁾	148.0	149.0 ⁽¹⁾	129.0	129.0
	BV		634.0 ⁽¹⁾	416.0*	585.0 ⁽¹⁾	418.0*	537.0 ⁽¹⁾	398.0*	488.0 ⁽¹⁾	350.0*	393.0 ⁽¹⁾	301.0*	318.0 ⁽¹⁾	252.0*	254.0 ⁽¹⁾	194.0	199.0 ⁽¹⁾	170.0	172.0 ⁽¹⁾	149.0	149.0	129.0	129.0
115	B		544.0 ⁽¹¹⁾		516.0 ⁽¹⁾	392.0*	489.0 ⁽¹⁾	374.0*	457.0 ⁽¹⁾	336.0*	383.0 ⁽¹⁾	293.0*	312.0 ⁽¹⁾	247.0*	252.0 ⁽¹⁾	190.0	197.0 ⁽¹⁾	168.0	172.0 ⁽¹⁾	148.0	149.0 ⁽¹⁾	128.0	128.0
	BV		610.0 ⁽¹⁾		578.0 ⁽¹⁾	406.0*	532.0 ⁽¹⁾	385.0*	485.0 ⁽¹⁾	341.0*	392.0 ⁽¹⁾	296.0*	317.0 ⁽¹⁾	249.0*	254.0 ⁽¹⁾	191.0	199.0 ⁽¹⁾	169.0	173.0 ⁽¹⁾	148.0	150.0 ⁽¹⁾	128.0	129.0 ⁽¹⁾
120	B		521.0 ⁽¹⁾		500.0 ⁽¹⁾	381.0*	477.0 ⁽¹⁾	363.0*	449.0 ⁽¹⁾	326.0*	381.0 ⁽¹⁾	288.0*	311.0 ⁽¹⁾	244.0*	251.0 ⁽¹⁾	197.0*	197.0	167.0	172.0 ⁽¹⁾	147.0	149.0 ⁽¹⁾	127.0	128.0 ⁽¹⁾
	BV		585.0 ⁽¹⁾		570.0 ⁽¹⁾	394.0*	527.0 ⁽¹⁾	374.0*	482.0 ⁽¹⁾	333.0*	391.0 ⁽¹⁾	290.0*	316.0 ⁽¹⁾	246.0*	253.0 ⁽¹⁾	198.0*	199.0 ⁽¹⁾	168.0	173.0 ⁽¹⁾	148.0	150.0 ⁽¹⁾	128.0	129.0 ⁽¹⁾
125	B		498.0 ⁽¹⁾		481.0 ⁽¹⁾	369.0*	466.0 ⁽¹⁾	351.0*	441.0 ⁽¹⁾	317.0*	377.0 ⁽¹⁾	283.0*	311.0 ⁽¹⁾	241.0*	250.0 ⁽¹⁾	196.0*	196.0	171.0*	171.0	146.0	149.0 ⁽¹⁾	127.0	128.0 ⁽¹⁾
	BV		560.0 ⁽¹⁾		549.0 ⁽¹⁾	381.0*	521.0 ⁽¹⁾	362.0*	480.0 ⁽¹⁾	325.0*	389.0 ⁽¹⁾	284.0*	315.0 ⁽¹⁾	242.0*	253.0 ⁽¹⁾	197.0*	198.0 ⁽¹⁾	173.0*	173.0	147.0	150.0 ⁽¹⁾	127.0	129.0 ⁽¹⁾
130	B		475.0 ⁽¹⁾		473.0 ⁽¹⁾		452.0 ⁽¹⁾	341.0*	434.0 ⁽¹⁾	308.0*	374.0 ⁽¹⁾	277.0*	310.0 ⁽¹⁾	237.0*	249.0 ⁽¹⁾	194.0*	196.0 ⁽¹⁾	170.0*	171.0 ⁽¹⁾	149.0*	149.0	128.0*	128.0
	BV		535.0 ⁽²⁾		528.0 ⁽¹⁾		512.0 ⁽¹⁾	352.0*	477.0 ⁽¹⁾	316.0*	388.0 ⁽¹⁾	278.0*	315.0 ⁽¹⁾	239.0*	252.0 ⁽¹⁾	195.0*	198.0 ⁽¹⁾	172.0*	172.0	150.0*	150.0	126.0	129.0 ⁽¹⁾
135	B		452.0 ⁽¹⁾		459.0 ⁽¹¹⁾		441.0 ⁽¹⁾	332.0*	426.0 ⁽¹⁾	299.0*	371.0 ⁽¹⁾	271.0*	309.0 ⁽¹⁾	234.0*	248.0 ⁽¹⁾	192.0*	195.0 ⁽¹⁾	169.0*	170.0 ⁽¹⁾	149.0*	149.0	128.0*	128.0
	BV		513.0 ⁽³⁾		508.0 ⁽¹⁾		494.0 ⁽¹⁾	343.0*	475.0 ⁽¹⁾	308.0*	386.0 ⁽¹⁾	273.0*	314.0 ⁽¹⁾	235.0*	252.0 ⁽¹⁾	193.0*	197.0 ⁽¹⁾	171.0*	171.0	150.0*	150.0	129.0*	129.0
140	B		432.0 ⁽¹⁰⁾		440.0 ⁽¹⁾		430.0 ⁽⁸⁾	323.0*	414.0 ⁽¹⁾	290.0*	367.0 ⁽¹⁾	265.0*	307.0 ⁽¹⁾	230.0*	248.0 ⁽¹⁾	190.0*	195.0 ⁽¹⁾	168.0*	169.0 ⁽¹⁾	148.0*	148.0	128.0*	128.0
	BV		493.0 ⁽⁶⁾		487.0 ⁽²⁾		477.0 ⁽¹⁾	333.0*	465.0 ⁽¹⁾	299.0*	384.0 ⁽¹⁾	267.0*	312.0 ⁽¹⁾	231.0*	251.0 ⁽¹⁾	191.0*	197.0 ⁽¹⁾	169.0*	171.0 ⁽¹⁾	149.0*	150.0 ⁽¹⁾	129.0*	129.0
145	B		414.0 ⁽¹⁾		422.0 ⁽¹⁾		419.0 ⁽¹⁾	315.0*	399.0 ⁽²⁾	283.0*	364.0 ⁽¹⁾	258.0*	305.0 ⁽¹⁾	227.0*	247.0 ⁽¹⁾	188.0*	194.0 ⁽¹⁾	166.0*	168.0 ⁽¹⁾	147.0*	147.0	128.0*	128.0
	BV		473.0 ⁽⁶⁾		468.0 ⁽³⁾		459.0 ⁽¹⁾	326.0*	450.0 ⁽¹⁾	291.0*	383.0 ⁽¹⁾	262.0*	311.0 ⁽¹⁾	227.0*	251.0 ⁽¹⁾	189.0*	196.0 ⁽¹⁾	168.0*	171.0 ⁽¹⁾	148.0*	149.0 ⁽¹⁾	128.0*	128.0
150	B		396.0 ⁽¹¹⁾		403.0 ⁽¹⁾		404.0 ⁽¹⁰⁾		387.0 ⁽¹⁾	274.0*	360.0 ⁽¹⁾	252.0*	303.0 ⁽¹⁾	223.0*	246.0 ⁽¹⁾	186.0*	194.0 ⁽¹⁾	164.0*	168.0 ⁽¹⁾	146.0*	147.0 ⁽¹⁾	127.0*	127.0
	BV		454.0 ⁽⁸⁾		450.0 ⁽⁴⁾		441.0 ⁽¹⁾		436.0 ⁽¹⁾	284.0*	381.0 ⁽¹⁾	256.0*	310.0 ⁽¹⁾	223.0*	250.0 ⁽¹⁾	186.0*	196.0 ⁽¹⁾	166.0*	170.0 ⁽¹⁾	147.0*	149.0 ⁽¹⁾	128.0*	128.0
155	B		378.0 ⁽¹¹⁾		384.0 ⁽¹⁾		390.0 ⁽¹¹⁾		380.0 ⁽⁷⁾	267.0*	357.0 ⁽¹⁾	245.0*	301.0<										

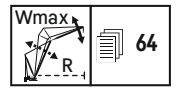
HS 276 ft



54 LR 1800-1.0

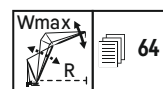


661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



 ft	HS 295 ft																					
	W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
45	B	607.0	616.0 ⁽¹⁾																			
	BV	612.0	620.0 ⁽¹⁾																			
50	B	588.0	614.0 ⁽¹⁾	537.0	543.0 ⁽¹⁾																	
	BV	591.0	619.0 ⁽¹⁾	540.0	546.0 ⁽¹⁾																	
55	B	613.0*	613.0	520.0	542.0 ⁽¹⁾	485.0	490.0 ⁽¹⁾															
	BV	619.0*	619.0	523.0	546.0 ⁽¹⁾	488.0	493.0 ⁽¹⁾															
60	B	594.0*	611.0 ⁽¹⁾	504.0	541.0 ⁽¹⁾	472.0	489.0 ⁽¹⁾	432.0	436.0 ⁽¹⁾													
	BV	600.0*	617.0 ⁽¹⁾	506.0	546.0 ⁽¹⁾	475.0	493.0 ⁽¹⁾	435.0	439.0 ⁽¹⁾													
65	B	576.0*	609.0 ⁽¹⁾	529.0*	539.0 ⁽¹⁾	493.0*	493.0	421.0	436.0 ⁽¹⁾	355.0	355.0											
	BV	581.0*	615.0 ⁽¹⁾	533.0*	544.0 ⁽¹⁾	497.0*	497.0	424.0	439.0 ⁽¹⁾	356.0	356.0											
70	B	557.0*	607.0 ⁽¹⁾	513.0*	538.0 ⁽¹⁾	481.0*	488.0 ⁽¹⁾	440.0*	440.0	348.0	350.0 ⁽¹⁾											
	BV	561.0*	614.0 ⁽¹⁾	517.0*	542.0 ⁽¹⁾	485.0*	491.0 ⁽¹⁾	444.0*	444.0	349.0	351.0 ⁽¹⁾											
75	B	538.0*	606.0 ⁽¹⁾	499.0*	536.0 ⁽¹⁾	469.0*	486.0 ⁽¹⁾	432.0*	435.0 ⁽¹⁾	339.0	348.0 ⁽¹⁾	286.0	286.0									
	BV	542.0*	612.0 ⁽¹⁾	501.0*	540.0 ⁽¹⁾	473.0*	489.0 ⁽¹⁾	435.0*	438.0 ⁽¹⁾	341.0	350.0 ⁽¹⁾	287.0	287.0									
80	B	523.0*	604.0 ⁽¹⁾	483.0*	534.0 ⁽¹⁾	457.0*	484.0 ⁽¹⁾	421.0*	434.0 ⁽¹⁾	331.0	347.0 ⁽¹⁾	280.0	281.0 ⁽¹⁾									
	BV	522.0*	610.0 ⁽¹⁾	484.0*	538.0 ⁽¹⁾	460.0*	486.0 ⁽¹⁾	424.0*	436.0 ⁽¹⁾	332.0	350.0 ⁽¹⁾	281.0	283.0 ⁽¹⁾									
85	B	503.0*	603.0 ⁽¹⁾	468.0*	533.0 ⁽¹⁾	443.0*	482.0 ⁽¹⁾	409.0*	432.0 ⁽¹⁾	346.0*	347.0 ⁽¹⁾	275.0	280.0 ⁽¹⁾	228.0	228.0							
	BV	503.0*	609.0 ⁽¹⁾	467.0*	536.0 ⁽¹⁾	446.0*	484.0 ⁽¹⁾	412.0*	433.0 ⁽¹⁾	348.0*	349.0 ⁽¹⁾	275.0	281.0 ⁽¹⁾	229.0	229.0							
90	B	485.0*	590.0 ⁽¹⁾	452.0*	531.0 ⁽¹⁾	429.0*	480.0 ⁽¹⁾	398.0*	431.0 ⁽¹⁾	339.0*	346.0 ⁽¹⁾	268.0	279.0 ⁽¹⁾	224.0	225.0 ⁽¹⁾							
	BV	495.0*	604.0 ⁽¹⁾	451.0*	534.0 ⁽¹⁾	431.0*	482.0 ⁽¹⁾	400.0*	431.0 ⁽¹⁾	340.0*	347.0 ⁽¹⁾	269.0	280.0 ⁽¹⁾	225.0	226.0 ⁽¹⁾							
95	B		575.0 ⁽¹⁾	435.0*	526.0 ⁽¹⁾	415.0*	479.0 ⁽¹⁾	387.0*	429.0 ⁽¹⁾	331.0*	346.0 ⁽¹⁾	279.0*	279.0	221.0	224.0 ⁽¹⁾	178.0	178.0					
	BV		599.0 ⁽¹⁾	434.0*	532.0 ⁽¹⁾	417.0*	479.0 ⁽¹⁾	387.0*	428.0 ⁽¹⁾	331.0*	345.0 ⁽¹⁾	280.0*	280.0	221.0	225.0 ⁽¹⁾	179.0	179.0					
100	B		560.0 ⁽¹⁾	418.0*	517.0 ⁽¹⁾	399.0*	477.0 ⁽¹⁾	375.0*	428.0 ⁽¹⁾	323.0*	345.0 ⁽¹⁾	274.0*	278.0 ⁽¹⁾	216.0	223.0 ⁽¹⁾	175.0	176.0 ⁽¹⁾	155.0	155.0			
	BV		594.0 ⁽¹⁾	418.0*	530.0 ⁽¹⁾	403.0*	477.0 ⁽¹⁾	375.0*	426.0 ⁽¹⁾	323.0*	344.0 ⁽¹⁾	275.0*	278.0 ⁽¹⁾	217.0	224.0 ⁽¹⁾	176.0	176.0	155.0	155.0			
105	B		545.0 ⁽¹⁾	404.0*	507.0 ⁽¹⁾	385.0*	470.0 ⁽¹⁾	363.0*	426.0 ⁽¹⁾	316.0*	344.0 ⁽¹⁾	270.0*	278.0 ⁽¹⁾	213.0*	223.0 ⁽¹⁾	173.0	175.0 ⁽¹⁾	153.0	154.0 ⁽¹⁾	134.0	134.0	
	BV		588.0 ⁽¹⁾	404.0*	528.0 ⁽¹⁾	390.0*	476.0 ⁽¹⁾	364.0*	424.0 ⁽¹⁾	314.0*	342.0 ⁽¹⁾	270.0*	277.0 ⁽¹⁾	212.0	223.0 ⁽¹⁾	174.0	176.0 ⁽¹⁾	154.0	154.0	135.0	135.0	
110	B		530.0 ⁽¹⁾	393.0*	498.0 ⁽¹⁾	373.0*	463.0 ⁽¹⁾	352.0*	424.0 ⁽¹⁾	309.0*	344.0 ⁽¹⁾	266.0*	278.0 ⁽¹⁾	221.0*	222.0 ⁽¹⁾	171.0	175.0 ⁽¹⁾	152.0	153.0 ⁽¹⁾	134.0	134.0	116.0
	BV		583.0 ⁽¹⁾	400.0*	527.0 ⁽¹⁾	379.0*	475.0 ⁽¹⁾	354.0*	422.0 ⁽¹⁾	306.0*	340.0 ⁽¹⁾	265.0*	276.0 ⁽¹⁾	221.0*	223.0 ⁽¹⁾	171.0	176.0 ⁽¹⁾	152.0	154.0 ⁽¹⁾	134.0	134.0	116.0
115	B		515.0 ⁽¹⁾		488.0 ⁽¹⁾	360.0*	455.0 ⁽¹⁾	341.0*	419.0 ⁽¹⁾	302.0*	343.0 ⁽¹⁾	261.0*	278.0 ⁽¹⁾	219.0*	223.0 ⁽¹⁾	176.0*	176.0	150.0	153.0 ⁽¹⁾	133.0	134.0 ⁽¹⁾	115.0
	BV		578.0 ⁽¹⁾		525.0 ⁽¹⁾	368.0*	474.0 ⁽¹⁾	344.0*	421.0 ⁽¹⁾	299.0*	338.0 ⁽¹⁾	259.0*	275.0 ⁽¹⁾	219.0*	222.0 ⁽¹⁾	169.0	176.0 ⁽¹⁾	150.0	154.0 ⁽¹⁾	133.0	134.0 ⁽¹⁾	115.0
120	B		495.0 ⁽²⁾		479.0 ⁽¹⁾	350.0*	448.0 ⁽¹⁾	331.0*	415.0 ⁽¹⁾	294.0*	343.0 ⁽¹⁾	256.0*	278.0 ⁽¹⁾	217.0*	223.0 ⁽¹⁾	175.0*	176.0 ⁽¹⁾	154.0*	154.0	132.0	134.0 ⁽¹⁾	114.0
	BV		560.0 ⁽¹⁾		524.0 ⁽¹⁾	358.0*	473.0 ⁽¹⁾	335.0*	420.0 ⁽¹⁾	292.0*	337.0 ⁽¹⁾	254.0*	274.0 ⁽¹⁾	216.0*	221.0 ⁽¹⁾	175.0*	175.0	149.0	154.0 ⁽¹⁾	132.0	134.0 ⁽¹⁾	115.0
125	B		477.0 ⁽¹⁾		469.0 ⁽¹⁾	339.0*	441.0 ⁽¹⁾	321.0*	410.0 ⁽¹⁾	287.0*	342.0 ⁽¹⁾	252.0*	278.0 ⁽¹⁾	214.0*	223.0 ⁽¹⁾	173.0*	175.0 ⁽¹⁾	153.0*	153.0	134.0*	134.0	113.0
	BV		539.0 ⁽¹⁾		521.0 ⁽¹⁾	349.0*	472.0 ⁽¹⁾	326.0*	420.0 ⁽¹⁾	285.0*	336.0 ⁽¹⁾	249.0*	273.0 ⁽¹⁾	213.0*	221.0 ⁽¹⁾	173.0*	175.0 ⁽¹⁾	154.0*	154.0	131.0	134.0 ⁽¹⁾	114.0
130	B		460.0 ⁽¹⁾		451.0 ⁽²⁾	332.0*	434.0 ⁽¹⁾	311.0*	405.0 ⁽¹⁾	279.0*	340.0 ⁽¹⁾	247.0*	278.0 ⁽¹⁾	211.0*	223.0 ⁽¹⁾	172.0*	175.0 ⁽¹⁾	152.0*	153.0 ⁽¹⁾	134.0*	134.0	115.0
	BV		519.0 ⁽¹⁾		504.0 ⁽¹⁾	343.0*	470.0 ⁽¹⁾	317.0*	419.0 ⁽¹⁾	278.0*	335.0 ⁽¹⁾	244.0*	272.0 ⁽¹⁾	209.0*	220.0 ⁽¹⁾	171.0*	174.0 ⁽¹⁾	152.0*	153.0 ⁽¹⁾	135.0*	135.0	113.0
135	B		442.0 ⁽¹⁾		434.0 ⁽¹⁾		424.0 ⁽¹⁾	303.0*	401.0 ⁽¹⁾	271.0*	338.0 ⁽¹⁾	243.0*	278.0 ⁽¹⁾	209.0*	223.0 ⁽¹⁾	170.0*	175.0 ⁽¹⁾	151.0*	152.0 ⁽¹⁾	133.0*	133.0	115.0
	BV		499.0 ⁽¹⁾		488.0 ⁽¹⁾		466.0 ⁽¹⁾	309.0*	418.0 ⁽¹⁾	271.0*	334.0 ⁽¹⁾	239.0*	271.0 ⁽¹⁾	206.0*	220.0 ⁽¹⁾	169.0*	174.0 ⁽¹⁾	151.0*	153.0 ⁽¹⁾	134.0*	134.0	112.0
140	B		425.0 ⁽¹⁾		419.0 ⁽⁴⁾		409.0 ⁽²⁾	295.0*	396.0 ⁽¹⁾	264.0*	336.0 ⁽¹⁾	237.0*	277.0 ⁽¹⁾	205.0*	223.0 ⁽¹⁾	169.0*	175.0 ⁽¹⁾	150.0*	152.0 ⁽¹⁾	132.0*	133.0 ⁽¹⁾	115.0
	BV		479.0 ⁽²⁾		472.0 ⁽¹⁾		452.0 ⁽¹⁾	302.0*	417.0 ⁽¹⁾	264.0*	334.0 ⁽¹⁾	234.0*	271.0 ⁽¹⁾	202.0*	219.0 ⁽¹⁾	167.0*	173.0 ⁽¹⁾	149.0*	152.0 ⁽¹⁾	133.0*	134.0 ⁽¹⁾	116.0
145	B		408.0 ⁽¹⁾		405.0 ⁽⁵⁾		394.0 ⁽²⁾	287.0*	387.0 ⁽¹⁾	257.0*	335.0 ⁽¹⁾	232.0*	276.0 ⁽¹⁾	202.0*	223.0 ⁽¹⁾	167.0*	174.0 ⁽¹⁾	148.0*	151.0 ⁽¹⁾	131.0*	132.0 ⁽¹⁾	114.0
	BV		460.0 ⁽²⁾		455.0 ⁽¹⁾		439.0 ⁽¹⁾	296.0*	412.0 ⁽¹⁾	258.0*	333.0 ⁽¹⁾	229.0*	270.0 ⁽¹⁾	199.0*	218.0 ⁽¹⁾	165.0*	173.0 ⁽¹⁾	148.0*	152.0 ⁽¹⁾	131.0*	132.0 ⁽¹⁾	115.0
150	B		391.0 ⁽¹⁾		391.0 ⁽¹⁾		383.0 ⁽⁹⁾	283.0*	373.0 ⁽²⁾	250.0*	333.0 ⁽¹⁾	227.0*	275.0 ⁽¹⁾	199.0*	223.0 ⁽¹⁾	165.0*	174.0 ⁽¹⁾	147.0*	151.0 ⁽¹⁾	130.0*	132.0 ⁽¹⁾	113.0
	BV		443.0 ⁽⁴⁾		439.0 ⁽¹⁾		425.0 ⁽¹⁾	292.0*	403.0 ⁽²⁾	252.0*	332.0 ⁽¹⁾	224.0*	269.0 ⁽¹⁾	195.0*	218.0 ⁽¹⁾	163.0*	172.0 ⁽¹⁾	146.0*	151.0 ⁽¹⁾	130.0*	133.0 ⁽¹⁾	114.0
155	B		375.0 ⁽¹⁾		377.0 ⁽¹⁾		376.0 ⁽¹⁾		362.0 ⁽²⁾	243.0*	331.0 ⁽¹⁾	221.0*	274.0 ⁽¹⁾	195.0*	223.0 ⁽¹⁾	163.0*	174.0 ⁽¹⁾	146.0*	151.0 ⁽¹⁾	129.0*	132.0 ⁽¹⁾	113.0
	BV		426.0 ⁽¹⁾		423.0 ⁽¹⁾		412.0 ⁽¹⁾		395.0 ⁽²⁾	246.0*	331.0 ⁽¹⁾	219.0*										

HS 295 ft

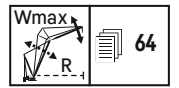
56 LR1800-1.0

HSDWB / HSDWBV

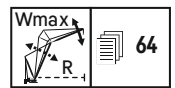
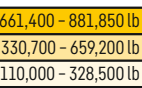
HS 315 ft



661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb



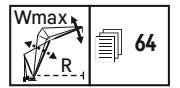
	ft	HS 315 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
45	B	546.0	550.0 ^[1]																				
	BV	548.0	552.0 ^[1]																				
50	B	529.0	548.0 ^[1]	483.0	485.0 ^[1]																		
	BV	531.0	550.0 ^[1]	485.0	487.0 ^[1]																		
55	B	512.0	548.0 ^[1]	468.0	484.0 ^[1]	434.0	435.0 ^[1]																
	BV	513.0	549.0 ^[1]	469.0	485.0 ^[1]	435.0	437.0 ^[1]																
60	B	539.0*	547.0 ^[1]	455.0	485.0 ^[1]	423.0	434.0 ^[1]	387.0	388.0 ^[1]														
	BV	539.0*	547.0 ^[1]	453.0	482.0 ^[1]	423.0	435.0 ^[1]	388.0	389.0 ^[1]														
65	B	525.0*	546.0 ^[1]	481.0*	485.0 ^[1]	411.0	434.0 ^[1]	378.0	388.0 ^[1]														
	BV	521.0*	544.0 ^[1]	475.0*	480.0 ^[1]	410.0	433.0 ^[1]	378.0	387.0 ^[1]														
70	B	508.0*	544.0 ^[1]	469.0*	484.0 ^[1]	432.0*	434.0 ^[1]	368.0	388.0 ^[1]	310.0	310.0												
	BV	502.0*	542.0 ^[1]	461.0*	478.0 ^[1]	429.0*	431.0 ^[1]	367.0	386.0 ^[1]	310.0	310.0												
75	B	493.0*	542.0 ^[1]	455.0*	483.0 ^[1]	423.0*	433.0 ^[1]	388.0*	389.0 ^[1]	303.0	309.0 ^[1]												
	BV	483.0*	539.0 ^[1]	446.0*	475.0 ^[1]	418.0*	429.0 ^[1]	384.0*	385.0 ^[1]	303.0	309.0 ^[1]												
80	B	479.0*	541.0 ^[1]	442.0*	481.0 ^[1]	413.0*	432.0 ^[1]	379.0*	387.0 ^[1]	295.0	309.0 ^[1]	249.0	250.0 ^[1]										
	BV	465.0*	536.0 ^[1]	431.0*	472.0 ^[1]	407.0*	426.0 ^[1]	375.0*	382.0 ^[1]	295.0	307.0 ^[1]	249.0	250.0 ^[1]										
85	B	462.0*	539.0 ^[1]	428.0*	480.0 ^[1]	400.0*	431.0 ^[1]	371.0*	387.0 ^[1]	309.0*	309.0	244.0	249.0 ^[1]	202.0	202.0								
	BV	448.0*	534.0 ^[1]	416.0*	470.0 ^[1]	395.0*	424.0 ^[1]	365.0*	380.0 ^[1]	287.0	305.0 ^[1]	244.0	248.0 ^[1]	202.0	202.0								
90	B	445.0*	536.0 ^[1]	414.0*	479.0 ^[1]	389.0*	430.0 ^[1]	362.0*	386.0 ^[1]	303.0*	308.0 ^[1]	239.0	248.0 ^[1]	199.0	199.0								
	BV	435.0*	532.0 ^[1]	401.0*	467.0 ^[1]	382.0*	421.0 ^[1]	355.0*	378.0 ^[1]	299.0*	304.0 ^[1]	239.0	247.0 ^[1]	198.0	198.0								
95	B		527.0 ^[1]	399.0*	477.0 ^[1]	378.0*	429.0 ^[1]	351.0*	385.0 ^[1]	297.0*	308.0 ^[1]	250.0*	250.0	195.0	198.0 ^[1]	157.0	157.0						
	BV		533.0 ^[1]	386.0*	465.0 ^[1]	368.0*	419.0 ^[1]	343.0*	376.0 ^[1]	292.0*	302.0 ^[1]	247.0*	247.0	194.0	197.0 ^[1]	158.0	158.0						
100	B		518.0 ^[1]	385.0*	473.0 ^[1]	365.0*	428.0 ^[1]	342.0*	384.0 ^[1]	291.0*	307.0 ^[1]	245.0*	248.0 ^[1]	191.0	197.0 ^[1]	155.0	155.0	137.0	137.0				
	BV		535.0 ^[1]	371.0*	466.0 ^[1]	356.0*	416.0 ^[1]	333.0*	374.0 ^[1]	285.0*	301.0 ^[1]	242.0*	244.0 ^[1]	191.0	196.0 ^[1]	155.0	155.0	137.0	137.0				
105	B		509.0 ^[1]	373.0*	468.0 ^[1]	352.0*	426.0 ^[1]	333.0*	383.0 ^[1]	286.0*	307.0 ^[1]	242.0*	248.0 ^[1]	199.0*	199.0	153.0	155.0 ^[1]	135.0	135.0	120.0	120.0		
	BV		536.0 ^[1]	359.0*	468.0 ^[1]	345.0*	415.0 ^[1]	323.0*	372.0 ^[1]	278.0*	299.0 ^[1]	238.0*	243.0 ^[1]	187.0	195.0 ^[1]	153.0	155.0 ^[1]	136.0	136.0	120.0	120.0		
110	B		500.0 ^[1]	361.0*	462.0 ^[1]	341.0*	422.0 ^[1]	324.0*	383.0 ^[1]	280.0*	307.0 ^[1]	239.0*	248.0 ^[1]	197.0*	198.0 ^[1]	151.0	155.0 ^[1]	134.0	135.0 ^[1]	118.0	118.0	103.0	103.0
	BV		538.0 ^[1]	356.0*	471.0 ^[1]	335.0*	417.0 ^[1]	314.0*	370.0 ^[1]	271.0*	298.0 ^[1]	233.0*	242.0 ^[1]	194.0*	194.0	151.0	154.0 ^[1]	134.0	135.0 ^[1]	118.0	118.0	103.0	103.0
115	B		491.0 ^[1]		457.0 ^[1]	331.0*	418.0 ^[1]	314.0*	381.0 ^[1]	273.0*	307.0 ^[1]	235.0*	249.0 ^[1]	195.0*	198.0 ^[1]	157.0*	157.0	132.0	135.0 ^[1]	117.0	118.0 ^[1]	102.0	102.0
	BV		539.0 ^[1]		473.0 ^[1]	326.0*	420.0 ^[1]	305.0*	371.0 ^[1]	265.0*	296.0 ^[1]	229.0*	242.0 ^[1]	191.0*	194.0 ^[1]	148.0	154.0 ^[1]	132.0	135.0 ^[1]	117.0	118.0 ^[1]	102.0	102.0
120	B		482.0 ^[1]		451.0 ^[1]	322.0*	415.0 ^[1]	305.0*	378.0 ^[1]	268.0*	307.0 ^[1]	232.0*	249.0 ^[1]	193.0*	198.0 ^[1]	156.0*	156.0	130.0	136.0 ^[1]	116.0	118.0 ^[1]	101.0	102.0 ^[1]
	BV		541.0 ^[1]		476.0 ^[1]	317.0*	422.0 ^[1]	297.0*	372.0 ^[1]	258.0*	295.0 ^[1]	225.0*	241.0 ^[1]	189.0*	193.0 ^[1]	153.0*	153.0	130.0	134.0 ^[1]	116.0	118.0 ^[1]	101.0	102.0 ^[1]
125	B		465.0 ^[1]		446.0 ^[1]	312.0*	411.0 ^[1]	296.0*	376.0 ^[1]	262.0*	307.0 ^[1]	228.0*	249.0 ^[1]	190.0*	198.0 ^[1]	154.0*	155.0 ^[1]	136.0*	136.0	115.0	118.0 ^[1]	100.0	102.0 ^[1]
	BV		526.0 ^[1]		478.0 ^[1]	311.0*	425.0 ^[1]	289.0*	374.0 ^[1]	252.0*	294.0 ^[1]	220.0*	240.0 ^[1]	186.0*	193.0 ^[1]	151.0*	153.0 ^[1]	128.0	134.0 ^[1]	114.0	118.0 ^[1]	100.0	102.0 ^[1]
130	B		448.0 ^[1]		440.0 ^[1]	305.0*	407.0 ^[1]	288.0*	374.0 ^[1]	256.0*	305.0 ^[1]	225.0*	249.0 ^[1]	188.0*	198.0 ^[1]	153.0*	155.0 ^[1]	135.0*	136.0 ^[1]	119.0*	119.0	99.1	102.0 ^[1]
	BV		508.0 ^[1]		480.0 ^[1]	308.0*	427.0 ^[1]	282.0*	376.0 ^[1]	246.0*	294.0 ^[1]	216.0*	239.0 ^[1]	183.0*	192.0 ^[1]	150.0*	152.0 ^[1]	133.0*	134.0 ^[1]	114.0*	117.0 ^[1]	99.3	102.0 ^[1]
135	B		431.0 ^[4]		424.0 ^[2]		403.0 ^[1]	280.0*	371.0 ^[1]	249.0*	303.0 ^[1]	220.0*	250.0 ^[1]	186.0*	199.0 ^[1]	151.0*	155.0 ^[1]	134.0*	136.0 ^[1]	118.0*	118.0	102.0*	102.0
	BV		489.0 ^[1]		469.0 ^[1]		429.0 ^[1]	275.0*	378.0 ^[1]	240.0*	295.0 ^[1]	211.0*	238.0 ^[1]	180.0*	191.0 ^[1]	148.0*	151.0 ^[1]	131.0*	133.0 ^[1]	117.0*	117.0	98.4	101.0 ^[1]
140	B		416.0 ^[4]		409.0 ^[1]		396.0 ^[1]	273.0*	369.0 ^[1]	242.0*	302.0 ^[1]	216.0*	250.0 ^[1]	183.0*	199.0 ^[1]	150.0*	155.0 ^[1]	133.0*	135.0 ^[1]	118.0*	118.0	102.0*	102.0
	BV		471.0 ^[1]		457.0 ^[2]		428.0 ^[1]	268.0*	379.0 ^[1]	234.0*	296.0 ^[1]	207.0*	237.0 ^[1]	177.0*	191.0 ^[1]	146.0*	151.0 ^[1]	130.0*	133.0 ^[1]	115.0*	117.0 ^[1]	101.0*	101.0
145	B		401.0 ^[9]		395.0 ^[1]		383.0 ^[2]	266.0*	367.0 ^[1]	236.0*	300.0 ^[1]	212.0*	249.0 ^[1]	181.0*	199.0 ^[1]	148.0*	155.0 ^[1]	132.0*	135.0 ^[1]	117.0*	118.0 ^[1]	101.0*	101.0
	BV		453.0 ^[1]		443.0 ^[2]		417.0 ^[2]	266.0*	381.0 ^[1]	228.0*	297.0 ^[1]	202.0*	237.0 ^[1]	174.0*	190.0 ^[1]	144.0*	150.0 ^[1]	128.0*	132.0 ^[1]	114.0*	116.0 ^[1]	99.9*	101.0 ^[1]
150	B		387.0 ^[11]		383.0 ^[1]		370.0 ^[2]	261.0*	359.0 ^[1]	230.0*	298.0 ^[1]	208.0*	247.0 ^[1]	178.0*	199.0 ^[1]	147.0*	155.0 ^[1]	130.0*	135.0 ^[1]	116.0*	117.0 ^[1]	101.0*	101.0
	BV		436.0 ^[2]		429.0 ^[2]		408.0 ^[2]	263.0*	378.0 ^[1]	223.0*	298.0 ^[1]	198.0*	238.0 ^[1]	171.0*	190.0 ^[1]	142.0*	150.0 ^[1]	127.0*	132.0 ^[1]	113.0*	116.0 ^[1]	98.9*	100.0 ^[1]
155	B		372.0 ^[11]		371.0 ^[6]		359.0 ^[3]		352.0 ^[2]	224.0*	296.0 ^[1]	203.0*	245.0 ^[1]	175.0*	199.0 [[]								



	ft	HS 315 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
220	B		207.0 ⁽⁹⁾		217.0 ⁽¹¹⁾		221.0 ⁽¹¹⁾		230.0 ⁽¹¹⁾		225.0 ⁽⁶⁾	150.0*	216.0 ⁽⁴⁾	134.0*	185.0 ⁽²⁾	117.0*	148.0 ⁽²⁾	108.0*	128.0 ⁽²⁾	97.9*	114.0 ⁽²⁾	86.7*	97.3 ⁽²⁾
	BV		250.0 ⁽¹⁰⁾		260.0 ⁽¹¹⁾		264.0 ⁽¹¹⁾		265.0 ⁽⁷⁾		253.0 ⁽³⁾	151.0*	235.0 ⁽¹⁾	128.0*	188.0 ⁽²⁾	111.0*	145.0 ⁽¹⁾	101.0*	125.0 ⁽¹⁾	91.5*	109.0 ⁽¹⁾	81.5*	93.2 ⁽²⁾
230	B		189.0 ⁽⁹⁾		199.0 ⁽¹⁰⁾		202.0 ⁽¹¹⁾		212.0 ⁽¹¹⁾		213.0 ⁽⁸⁾	145.0*	208.0 ⁽⁴⁾	128.0*	182.0 ⁽³⁾	112.0*	146.0 ⁽³⁾	103.0*	127.0 ⁽³⁾	94.7*	112.0 ⁽³⁾	83.8*	95.8 ⁽²⁾
	BV		231.0 ⁽⁹⁾		241.0 ⁽¹⁰⁾		243.0 ⁽¹¹⁾		251.0 ⁽⁹⁾		240.0 ⁽⁴⁾	145.0*	228.0 ⁽²⁾	123.0*	187.0 ⁽²⁾	106.0*	145.0 ⁽²⁾	96.6*	125.0 ⁽²⁾	87.9*	109.0 ⁽²⁾	78.4*	92.9 ⁽²⁾
240	B		173.0 ⁽⁸⁾		182.0 ⁽¹⁰⁾		183.0 ⁽¹⁰⁾		195.0 ⁽¹¹⁾		202.0 ⁽¹⁰⁾		197.0 ⁽⁵⁾	122.0*	177.0 ⁽³⁾	107.0*	144.0 ⁽³⁾	98.6*	125.0 ⁽³⁾	90.8*	112.0 ⁽³⁾	81.2*	95.5 ⁽³⁾
	BV		213.0 ⁽⁹⁾		222.0 ⁽¹⁰⁾		222.0 ⁽¹⁰⁾		235.0 ⁽¹¹⁾		227.0 ⁽⁵⁾		222.0 ⁽²⁾	118.0*	186.0 ⁽²⁾	101.0*	145.0 ⁽²⁾	92.6*	125.0 ⁽²⁾	84.3*	108.0 ⁽²⁾	75.3*	92.6 ⁽²⁾
250	B		158.0 ⁽⁷⁾		167.0 ⁽⁹⁾		168.0 ⁽¹⁰⁾		179.0 ⁽¹¹⁾		190.0 ⁽¹¹⁾		187.0 ⁽⁶⁾	116.0*	175.0 ⁽⁴⁾	102.0*	143.0 ⁽³⁾	93.9*	124.0 ⁽³⁾	86.8*	111.0 ⁽³⁾	78.2*	94.9 ⁽³⁾
	BV		196.0 ⁽⁷⁾		205.0 ⁽⁹⁾		206.0 ⁽¹⁰⁾		217.0 ⁽¹¹⁾		216.0 ⁽⁶⁾		211.0 ⁽³⁾	115.0*	185.0 ⁽²⁾	97.2*	144.0 ⁽²⁾	88.7*	125.0 ⁽²⁾	80.8*	108.0 ⁽²⁾	72.2*	92.3 ⁽²⁾
260	B		145.0 ⁽⁷⁾		153.0 ⁽⁹⁾		152.0 ⁽¹⁰⁾		162.0 ⁽¹⁰⁾		176.0 ⁽¹¹⁾		177.0 ⁽⁷⁾	110.0*	166.0 ⁽⁵⁾	97.2*	141.0 ⁽³⁾	89.6*	123.0 ⁽³⁾	82.8*	109.0 ⁽³⁾	75.0*	93.7 ⁽³⁾
	BV		182.0 ⁽⁷⁾		190.0 ⁽⁹⁾		189.0 ⁽¹⁰⁾		198.0 ⁽¹⁰⁾		205.0 ⁽⁸⁾		200.0 ⁽⁴⁾	112.0*	184.0 ⁽²⁾	93.1*	144.0 ⁽³⁾	85.1*	124.0 ⁽²⁾	77.5*	108.0 ⁽²⁾	69.2*	92.0 ⁽²⁾
270	B		132.0 ⁽⁶⁾		139.0 ⁽⁸⁾		139.0 ⁽⁹⁾		148.0 ⁽¹⁰⁾		162.0 ⁽¹¹⁾		168.0 ⁽⁹⁾	107.0*	161.0 ⁽⁵⁾	92.7*	138.0 ⁽⁴⁾	85.5*	122.0 ⁽³⁾	79.0*	108.0 ⁽³⁾	71.6*	92.5 ⁽³⁾
	BV		167.0 ⁽⁸⁾		175.0 ⁽⁸⁾		174.0 ⁽⁹⁾		184.0 ⁽¹⁰⁾		196.0 ⁽¹⁰⁾		190.0 ⁽⁵⁾	109.0*	178.0 ⁽³⁾	89.4*	143.0 ⁽³⁾	81.4*	124.0 ⁽³⁾	74.2*	107.0 ⁽²⁾	66.2*	91.7 ⁽²⁾
280	B		121.0 ⁽⁶⁾		128.0 ⁽⁸⁾		126.0 ⁽⁹⁾		135.0 ⁽¹⁰⁾		149.0 ⁽¹¹⁾		160.0 ⁽¹⁰⁾		154.0 ⁽⁶⁾	88.2*	135.0 ⁽⁴⁾	81.4*	120.0 ⁽⁴⁾	75.2*	107.0 ⁽³⁾	68.2*	91.3 ⁽³⁾
	BV		155.0 ⁽⁶⁾		162.0 ⁽⁸⁾		160.0 ⁽⁹⁾		169.0 ⁽¹⁰⁾		183.0 ⁽¹¹⁾		181.0 ⁽⁶⁾		174.0 ⁽³⁾	85.8*	143.0 ⁽³⁾	78.0*	123.0 ⁽³⁾	71.1*	107.0 ⁽³⁾	63.4*	90.6 ⁽³⁾
290	B		109.0 ⁽⁵⁾		116.0 ⁽⁸⁾		114.0 ⁽⁸⁾		122.0 ⁽⁹⁾		136.0 ⁽¹¹⁾		150.0 ⁽¹¹⁾		146.0 ⁽⁷⁾	83.5*	133.0 ⁽⁵⁾	76.7*	119.0 ⁽⁴⁾	71.2*	105.0 ⁽⁴⁾	64.9*	90.1 ⁽³⁾
	BV		143.0 ⁽⁶⁾		149.0 ⁽⁸⁾		147.0 ⁽⁸⁾		156.0 ⁽⁹⁾		169.0 ⁽¹¹⁾		173.0 ⁽⁷⁾		165.0 ⁽⁴⁾	83.8*	142.0 ⁽³⁾	74.8*	122.0 ⁽⁴⁾	67.9*	107.0 ⁽³⁾	60.7*	91.0 ⁽³⁾
300	B				106.0 ⁽⁶⁾		103.0 ⁽⁸⁾		111.0 ⁽⁹⁾		122.0 ⁽¹⁰⁾		139.0 ⁽¹¹⁾		139.0 ⁽⁸⁾	79.0*	128.0 ⁽⁵⁾	72.2*	116.0 ⁽⁵⁾	67.0*	104.0 ⁽⁴⁾	61.1*	89.3 ⁽⁴⁾
	BV				138.0 ⁽⁷⁾		135.0 ⁽⁸⁾		143.0 ⁽⁹⁾		154.0 ⁽¹⁰⁾		165.0 ⁽⁸⁾		157.0 ⁽⁵⁾	80.9*	142.0 ⁽³⁾	71.8*	121.0 ⁽⁴⁾	65.1*	106.0 ⁽³⁾	57.9*	90.7 ⁽³⁾
310	B				95.9 ⁽⁷⁾		92.8 ⁽⁷⁾		100.0 ⁽⁸⁾		111.0 ⁽¹⁰⁾		129.0 ⁽¹¹⁾		132.0 ⁽⁹⁾	76.3*	125.0 ⁽⁴⁾	68.1*	115.0 ⁽⁵⁾	62.7*	101.0 ⁽⁵⁾	57.1*	88.6 ⁽⁴⁾
	BV				127.0 ⁽⁷⁾		124.0 ⁽⁷⁾		131.0 ⁽⁸⁾		142.0 ⁽¹⁰⁾		158.0 ⁽¹¹⁾		149.0 ⁽⁵⁾	78.8*	137.0 ⁽³⁾	69.6*	120.0 ⁽⁴⁾	62.4*	106.0 ⁽⁴⁾	55.3*	89.7 ⁽³⁾
320	B						83.6 ⁽⁷⁾		90.6 ⁽⁸⁾		100.0 ⁽¹⁰⁾		118.0 ⁽¹¹⁾		126.0 ⁽¹¹⁾		118.0 ⁽⁷⁾	64.5*	112.0 ⁽⁶⁾	58.9*	101.0 ⁽⁵⁾	53.2*	87.2 ⁽⁴⁾
	BV						114.0 ⁽⁷⁾		121.0 ⁽⁸⁾		130.0 ⁽¹⁰⁾		148.0 ⁽¹¹⁾		143.0 ⁽⁶⁾		134.0 ⁽⁴⁾	66.9*	119.0 ⁽⁴⁾	59.7*	105.0 ⁽⁴⁾	53.0*	89.9 ⁽⁴⁾
330	B								80.6 ⁽⁷⁾		90.0 ⁽⁹⁾		107.0 ⁽¹¹⁾		118.0 ⁽¹¹⁾		112.0 ⁽⁷⁾	62.5*	108.0 ⁽⁶⁾	55.4*	97.5 ⁽⁶⁾	49.5*	86.1 ⁽⁵⁾
	BV								110.0 ⁽⁷⁾		119.0 ⁽⁹⁾		136.0 ⁽¹¹⁾		137.0 ⁽⁷⁾		126.0 ⁽⁵⁾	64.9*	117.0 ⁽⁴⁾	57.1*	105.0 ⁽⁴⁾	50.6*	89.1 ⁽⁴⁾
340	B								72.1 ⁽⁷⁾		80.6 ⁽⁹⁾		95.7 ⁽¹⁰⁾		109.0 ⁽¹¹⁾		107.0 ⁽⁸⁾		104.0 ⁽⁷⁾	52.2*	97.6 ⁽⁶⁾	46.3*	84.8 ⁽⁵⁾
	BV								100.0 ⁽⁷⁾		109.0 ⁽⁹⁾		124.0 ⁽⁹⁾		132.0 ⁽⁹⁾		121.0 ⁽⁵⁾	54.5*	114.0 ⁽⁴⁾	54.5*	104.0 ⁽⁴⁾	47.8*	88.4 ⁽⁵⁾
350	B										71.3 ⁽⁸⁾		86.5 ⁽¹⁰⁾		99.7 ⁽¹¹⁾		102.0 ⁽¹⁰⁾		98.4 ⁽⁸⁾		93.2 ⁽⁷⁾	43.3*	83.6 ⁽⁶⁾
	BV										98.5 ⁽⁸⁾		114.0 ⁽¹⁰⁾		127.0 ⁽¹¹⁾		117.0 ⁽⁶⁾		110.0 ⁽⁵⁾		103.0 ⁽⁴⁾	44.9*	87.7 ⁽⁵⁾
360	B										63.0 ⁽⁸⁾		77.3 ⁽¹⁰⁾		90.7 ⁽¹¹⁾		98.5 ⁽¹¹⁾		93.6 ⁽⁹⁾		90.7 ⁽⁷⁾	41.1*	81.7 ⁽⁶⁾
	BV										89.6 ⁽⁸⁾		104.0 ⁽¹⁰⁾		117.0 ⁽¹¹⁾		112.0 ⁽⁷⁾		105.0 ⁽⁶⁾		98.8 ⁽⁵⁾	43.0*	87.1 ⁽⁵⁾
370	B										54.7 ⁽⁷⁾		68.3 ⁽⁹⁾		81.6 ⁽¹¹⁾		91.1 ⁽¹¹⁾		89.8 ⁽¹⁰⁾		87.1 ⁽⁸⁾		80.6 ⁽⁷⁾
	BV										80.5 ⁽⁷⁾		94.2 ⁽⁹⁾		107.0 ⁽¹¹⁾		107.0 ⁽⁸⁾		100.0 ⁽⁶⁾		96.0 ⁽⁵⁾		86.5 ⁽⁵⁾
380	B										47.7 ⁽⁷⁾		60.2 ⁽⁹⁾		72.1 ⁽¹⁰⁾		83.6 ⁽¹¹⁾		85.9 ⁽¹¹⁾		82.7 ⁽⁹⁾		76.5 ⁽⁷⁾
	BV										72.2 ⁽⁷⁾		85.5 ⁽⁹⁾		97.0 ⁽¹⁰⁾		103.0 ⁽⁹⁾		96.7 ⁽⁷⁾		91.8 ⁽⁶⁾		85.9 ⁽⁵⁾
390	B												52.2 ⁽⁸⁾		64.0 ⁽¹⁰⁾		76.2 ⁽¹¹⁾		78.9 ⁽¹¹⁾		79.0 ⁽¹⁰⁾		74.8 ⁽⁸⁾
	BV												76.7 ⁽⁸⁾		88.6 ⁽¹⁰⁾		99.4 ⁽¹¹⁾		92.9 ⁽⁸⁾		87.1 ⁽⁷⁾		81.8 ⁽⁵⁾
400	B												45.6 ⁽⁸⁾		56.0 ⁽¹⁰⁾		68.2 ⁽¹¹⁾		72.1 ⁽¹¹⁾		75.1 ⁽¹¹⁾		71.4 ⁽⁹⁾
	BV												69.0 ⁽⁸⁾		80.1 ⁽¹⁰⁾		83.7 ⁽⁹⁾		88.9 ⁽⁹⁾		83.7 ⁽⁷⁾		78.9 ⁽⁶⁾
410	B												39.0 ⁽⁷⁾		48.8 ⁽⁹⁾		60.3 ⁽¹¹⁾		65.1 ⁽¹¹⁾		68.6 ⁽¹¹⁾		68.1 ⁽¹⁰⁾
	BV												60.7 ⁽⁷⁾		71.7 ⁽⁹⁾		83.4 ⁽¹¹⁾		85.8 ⁽¹¹⁾		80.4 ⁽⁸⁾		74.9 ⁽⁷⁾
420	B												33.9 ⁽⁷⁾		42.4 ⁽⁹⁾		52.1 ⁽¹⁰⁾		57.8 ⁽¹¹⁾		62.2 ⁽¹¹⁾		64.3 ⁽¹¹⁾
	BV												52.7 ⁽⁷⁾		64.1 ⁽⁹⁾		74.7 ⁽¹⁰⁾		78.9 ⁽¹¹⁾		77.2 ⁽¹⁰⁾		71.3 ⁽⁸⁾
430	B														36.3 ⁽⁸⁾		45.9 ⁽¹⁰⁾		50.5 ⁽¹¹⁾		55.8 ⁽¹¹⁾		58.3 ⁽¹¹⁾
	BV														56.2 ⁽⁸⁾		67.3 ⁽¹⁰⁾		72.0 ⁽¹¹⁾		74.5 ⁽¹¹⁾		68.3 ⁽⁸⁾
440	B														31.3 ⁽⁸⁾		39.7 ⁽¹⁰⁾		43.1 ⁽¹⁰⁾		49.5 ⁽¹¹⁾		52.3 ⁽¹¹⁾
	BV														49.2 ⁽⁸⁾		59.8 ⁽¹⁰⁾		64.2 ⁽¹⁰⁾		68.4 ⁽¹¹⁾		65.8 ⁽¹⁰⁾
450	B														26.0 ⁽⁷⁾		33.9 ⁽⁹⁾		37.8 ⁽¹⁰⁾		43.2 ⁽¹¹⁾		46.5 ⁽¹¹⁾
	BV																						



661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



 ft		HS 335 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
45	B	486.0	487.0 ⁽¹⁾																				
	BV	487.0	487.0																				
50	B	472.0	484.0 ⁽¹⁾	429.0	429.0																		
	BV	471.0	483.0 ⁽¹⁾	428.0	428.0																		
55	B	458.0	485.0 ⁽¹⁾	418.0	428.0 ⁽¹⁾	384.0	384.0																
	BV	455.0	479.0 ⁽¹⁾	415.0	425.0 ⁽¹⁾	383.0	383.0																
60	B	483.0*	485.0 ⁽¹⁾	407.0	430.0 ⁽¹⁾	375.0	382.0 ⁽¹⁾	343.0	343.0														
	BV	472.0*	475.0 ⁽¹⁾	402.0	422.0 ⁽¹⁾	374.0	381.0 ⁽¹⁾	342.0	342.0														
65	B	471.0*	484.0 ⁽¹⁾	429.0*	430.0 ⁽¹⁾	365.0	383.0 ⁽¹⁾	335.0	342.0 ⁽¹⁾														
	BV	458.0*	471.0 ⁽¹⁾	418.0*	419.0 ⁽¹⁾	363.0	378.0 ⁽¹⁾	334.0	340.0 ⁽¹⁾														
70	B	458.0*	482.0 ⁽¹⁾	420.0*	429.0 ⁽¹⁾	384.0*	384.0	328.0	342.0 ⁽¹⁾	273.0	273.0												
	BV	443.0*	467.0 ⁽¹⁾	406.0*	415.0 ⁽¹⁾	376.0*	376.0	326.0	338.0 ⁽¹⁾	272.0	272.0												
75	B	445.0*	481.0 ⁽¹⁾	410.0*	427.0 ⁽¹⁾	377.0*	383.0 ⁽¹⁾	344.0*	344.0	266.0	272.0 ⁽¹⁾												
	BV	428.0*	463.0 ⁽¹⁾	394.0*	411.0 ⁽¹⁾	368.0*	373.0 ⁽¹⁾	337.0*	337.0	265.0	269.0 ⁽¹⁾												
80	B	431.0*	479.0 ⁽¹⁾	399.0*	426.0 ⁽¹⁾	368.0*	382.0 ⁽¹⁾	337.0*	342.0 ⁽¹⁾	260.0	271.0 ⁽¹⁾	219.0	219.0										
	BV	412.0*	459.0 ⁽¹⁾	382.0*	408.0 ⁽¹⁾	358.0*	370.0 ⁽¹⁾	329.0*	333.0 ⁽¹⁾	258.0	267.0 ⁽¹⁾	218.0	218.0										
85	B	418.0*	478.0 ⁽¹⁾	387.0*	424.0 ⁽¹⁾	359.0*	381.0 ⁽¹⁾	330.0*	342.0 ⁽¹⁾	273.0*	273.0	215.0	218.0 ⁽¹⁾										
	BV	398.0*	455.0 ⁽¹⁾	369.0*	404.0 ⁽¹⁾	347.0*	367.0 ⁽¹⁾	320.0*	331.0 ⁽¹⁾	267.0*	267.0	214.0	216.0 ⁽¹⁾										
90	B	404.0*	477.0 ⁽¹⁾	375.0*	423.0 ⁽¹⁾	350.0*	380.0 ⁽¹⁾	323.0*	341.0 ⁽¹⁾	267.0*	271.0 ⁽¹⁾	211.0	218.0 ⁽¹⁾	173.0	173.0								
	BV	382.0*	451.0 ⁽¹⁾	355.0*	400.0 ⁽¹⁾	337.0*	363.0 ⁽¹⁾	312.0*	328.0 ⁽¹⁾	261.0*	263.0 ⁽¹⁾	209.0	215.0 ⁽¹⁾	173.0	173.0								
95	B	393.0*	474.0 ⁽¹⁾	362.0*	421.0 ⁽¹⁾	340.0*	379.0 ⁽¹⁾	315.0*	341.0 ⁽¹⁾	262.0*	271.0 ⁽¹⁾	220.0*	220.0	171.0	173.0 ⁽¹⁾								
	BV	378.0*	450.0 ⁽¹⁾	342.0*	396.0 ⁽¹⁾	326.0*	360.0 ⁽¹⁾	303.0*	325.0 ⁽¹⁾	254.0*	261.0 ⁽¹⁾	215.0*	215.0	170.0	172.0 ⁽¹⁾								
100	B		469.0 ⁽¹⁾	349.0*	420.0 ⁽¹⁾	329.0*	378.0 ⁽¹⁾	307.0*	340.0 ⁽¹⁾	257.0*	270.0 ⁽¹⁾	217.0*	218.0 ⁽¹⁾	168.0	173.0 ⁽¹⁾	135.0	135.0	119.0	119.0				
	BV		454.0 ⁽¹⁾	329.0*	393.0 ⁽¹⁾	315.0*	357.0 ⁽¹⁾	294.0*	323.0 ⁽¹⁾	248.0*	259.0 ⁽¹⁾	211.0*	212.0 ⁽¹⁾	166.0	170.0 ⁽¹⁾	135.0	135.0						
105	B		465.0 ⁽¹⁾	339.0*	417.0 ⁽¹⁾	320.0*	377.0 ⁽¹⁾	300.0*	340.0 ⁽¹⁾	252.0*	270.0 ⁽¹⁾	214.0*	218.0 ⁽¹⁾	165.0	173.0 ⁽¹⁾	133.0	135.0 ⁽¹⁾	118.0	118.0	104.0	104.0		
	BV		458.0 ⁽¹⁾	318.0*	396.0 ⁽¹⁾	305.0*	353.0 ⁽¹⁾	285.0*	320.0 ⁽¹⁾	242.0*	257.0 ⁽¹⁾	207.0*	210.0 ⁽¹⁾	163.0	169.0 ⁽¹⁾	133.0	134.0 ⁽¹⁾	117.0	117.0	103.0	103.0		
110	B		461.0 ⁽¹⁾	329.0*	414.0 ⁽¹⁾	310.0*	375.0 ⁽¹⁾	293.0*	339.0 ⁽¹⁾	248.0*	270.0 ⁽¹⁾	210.0*	218.0 ⁽¹⁾	173.0*	173.0	131.0	135.0 ⁽¹⁾	116.0	118.0 ⁽¹⁾	103.0	103.0	88.9	88.9
	BV		462.0 ⁽¹⁾	312.0*	400.0 ⁽¹⁾	296.0*	353.0 ⁽¹⁾	278.0*	317.0 ⁽¹⁾	237.0*	256.0 ⁽¹⁾	203.0*	209.0 ⁽¹⁾	168.0*	168.0	131.0	133.0 ⁽¹⁾	116.0	116.0	102.0	102.0	88.1	88.1
115	B		456.0 ⁽¹⁾	324.0*	411.0 ⁽¹⁾	301.0*	372.0 ⁽¹⁾	285.0*	338.0 ⁽¹⁾	243.0*	270.0 ⁽¹⁾	207.0*	218.0 ⁽¹⁾	172.0*	173.0 ⁽¹⁾	130.0	136.0 ⁽¹⁾	115.0	118.0 ⁽¹⁾	102.0	103.0 ⁽¹⁾	88.2	88.2
	BV		466.0 ⁽¹⁾	308.0*	403.0 ⁽¹⁾	288.0*	356.0 ⁽¹⁾	270.0*	315.0 ⁽¹⁾	231.0*	254.0 ⁽¹⁾	199.0*	208.0 ⁽¹⁾	166.0*	167.0 ⁽¹⁾	129.0	133.0 ⁽¹⁾	114.0	116.0 ⁽¹⁾	101.0	101.0	87.2	87.2
120	B		452.0 ⁽¹⁾		408.0 ⁽¹⁾	292.0*	369.0 ⁽¹⁾	276.0*	336.0 ⁽¹⁾	238.0*	269.0 ⁽¹⁾	204.0*	218.0 ⁽¹⁾	170.0*	173.0 ⁽¹⁾	136.0*	136.0	114.0	118.0 ⁽¹⁾	101.0	103.0 ⁽¹⁾	87.3	88.1 ⁽¹⁾
	BV		469.0 ⁽¹⁾		406.0 ⁽¹⁾	280.0*	359.0 ⁽¹⁾	263.0*	317.0 ⁽¹⁾	226.0*	252.0 ⁽¹⁾	195.0*	207.0 ⁽¹⁾	164.0*	167.0 ⁽¹⁾	129.0*	132.0 ⁽¹⁾	112.0	116.0 ⁽¹⁾	99.5	101.0 ⁽¹⁾	86.3	86.9 ⁽¹⁾
125	B		448.0 ⁽¹⁾		405.0 ⁽¹⁾	285.0*	366.0 ⁽¹⁾	269.0*	334.0 ⁽¹⁾	234.0*	269.0 ⁽¹⁾	201.0*	218.0 ⁽¹⁾	168.0*	173.0 ⁽¹⁾	135.0*	136.0 ⁽¹⁾	119.0*	119.0	99.4	103.0 ⁽¹⁾	86.4	88.3 ⁽¹⁾
	BV		473.0 ⁽¹⁾		409.0 ⁽¹⁾	273.0*	362.0 ⁽¹⁾	256.0*	319.0 ⁽¹⁾	220.0*	250.0 ⁽¹⁾	191.0*	206.0 ⁽¹⁾	161.0*	166.0 ⁽¹⁾	131.0*	132.0 ⁽¹⁾	112.0*	116.0 ⁽¹⁾	98.2	101.0 ⁽¹⁾	85.4	86.7 ⁽¹⁾
130	B		435.0 ⁽²⁾		402.0 ⁽¹⁾	276.0*	363.0 ⁽¹⁾	261.0*	331.0 ⁽¹⁾	229.0*	269.0 ⁽¹⁾	198.0*	218.0 ⁽¹⁾	165.0*	173.0 ⁽¹⁾	134.0*	136.0 ⁽¹⁾	118.0*	119.0 ⁽¹⁾	104.0*	104.0	85.5	88.4 ⁽¹⁾
	BV		468.0 ⁽²⁾		413.0 ⁽¹⁾	272.0*	364.0 ⁽¹⁾	249.0*	321.0 ⁽¹⁾	215.0*	249.0 ⁽¹⁾	188.0*	205.0 ⁽¹⁾	158.0*	165.0 ⁽¹⁾	129.0*	131.0 ⁽¹⁾	115.0*	115.0	96.8	101.0 ⁽¹⁾	84.4	86.6 ⁽¹⁾
135	B		420.0 ⁽²⁾		398.0 ⁽¹⁾	274.0*	360.0 ⁽¹⁾	254.0*	329.0 ⁽¹⁾	223.0*	267.0 ⁽¹⁾	195.0*	218.0 ⁽¹⁾	163.0*	174.0 ⁽¹⁾	133.0*	136.0 ⁽¹⁾	117.0*	118.0 ⁽¹⁾	103.0*	104.0 ⁽¹⁾	89.1*	89.1
	BV		456.0 ⁽²⁾		415.0 ⁽¹⁾	268.0*	367.0 ⁽¹⁾	243.0*	323.0 ⁽¹⁾	209.0*	253.0 ⁽¹⁾	184.0*	204.0 ⁽¹⁾	156.0*	164.0 ⁽¹⁾	128.0*	130.0 ⁽¹⁾	113.0*	113.0 ⁽¹⁾	100.0*	100.0	83.3	86.4 ⁽¹⁾
140	B		405.0 ⁽⁴⁾		394.0 ⁽²⁾		357.0 ⁽¹⁾	248.0*	327.0 ⁽¹⁾	217.0*	265.0 ⁽¹⁾	192.0*	218.0 ⁽¹⁾	161.0*	174.0 ⁽¹⁾	131.0*	136.0 ⁽¹⁾	116.0*	118.0 ⁽¹⁾	103.0*	103.0	88.6*	88.7 ⁽¹⁾
	BV		444.0 ⁽³⁾		410.0 ⁽²⁾		370.0 ⁽¹⁾	237.0*	325.0 ⁽¹⁾	204.0*	251.0 ⁽¹⁾	180.0*	203.0 ⁽¹⁾	153.0*	164.0 ⁽¹⁾	126.0*	130.0 ⁽¹⁾	112.0*	114.0 ⁽¹⁾	99.2*	100.0 ⁽¹⁾	86.1*	86.2 ⁽¹⁾
145	B		391.0 ⁽⁴⁾		383.0 ⁽³⁾		354.0 ⁽²⁾	242.0*	325.0 ⁽¹⁾	212.0*	264.0 ⁽¹⁾	188.0*	218.0 ⁽¹⁾	159.0*	174.0 ⁽¹⁾	130.0*	136.0 ⁽¹⁾	115.0*	118.0 ⁽¹⁾	102.0*	103.0 ⁽¹⁾	88.2*	88.4 ⁽¹⁾
	BV		432.0 ⁽³⁾		404.0 ⁽³⁾		370.0 ⁽¹⁾	234.0*	327.0 ⁽¹⁾	199.0*	253.0 ⁽¹⁾	176.0*	202.0 ⁽¹⁾	150.0*	163.0 ⁽¹⁾	124.0*	129.0 ⁽¹⁾	110.0*	113.0 ⁽¹⁾	98.0*	99.4 ⁽¹⁾	85.3*	85.7 ⁽¹⁾
150	B		378.0 ⁽⁴⁾		372.0 ⁽³⁾		351.0 ⁽²⁾	236.0*	322.0 ⁽¹⁾	206.0*	262.0 ⁽¹⁾	185.0*	217.0 ⁽¹⁾	156.0*	174.0 ⁽¹⁾	128.0*	136.0 ⁽¹⁾	114.0*	118.0 ⁽¹⁾	101.0*	103.0 ⁽¹⁾	87.6*	88.1 ⁽¹⁾
	BV		420.0 ⁽¹⁾		397.0 ⁽³⁾		367.0 ⁽²⁾	232.0*	329.0 ⁽¹⁾	194.0*	254.0 ⁽¹⁾	172.0*	202.0 ⁽¹⁾	147.0*	162.0 ⁽¹⁾	122.0*	128.0 ⁽¹⁾	109.0*	113.0 ⁽¹⁾	96.7*	98.9 ⁽¹⁾	84.4*	85.3 ⁽¹⁾
155	B		365.0 ⁽¹¹⁾		360.0 ⁽⁵⁾		344.0 ⁽³⁾		317.0 ⁽³⁾	201.0*	260.0 ⁽¹⁾	180.0*	215.0 ⁽¹⁾	154.0*	174.0 ⁽¹⁾	127.0*	136.0 ⁽¹⁾	113.0*	118.0 ⁽¹⁾	100.0*</			



661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb

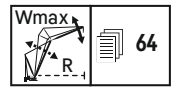


64

	ft	HS 335 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
220	B		205.0 ⁽⁹⁾		217.0 ⁽¹¹⁾		219.0 ⁽¹¹⁾		228.0 ⁽¹¹⁾		218.0 ⁽⁴⁾	133.0*	194.0 ⁽³⁾	118.0*	161.0 ⁽²⁾	102.0*	129.0 ⁽²⁾	93.2*	113.0 ⁽²⁾	84.2*	99.3 ⁽²⁾	73.9*	85.2 ⁽²⁾
	BV		249.0 ⁽¹⁰⁾		260.0 ⁽¹¹⁾		261.0 ⁽¹⁰⁾		259.0 ⁽⁵⁾		243.0 ⁽²⁾	130.0*	204.0 ⁽²⁾	109.0*	161.0 ⁽¹⁾	93.1*	124.0 ⁽¹⁾	84.2*	107.0 ⁽¹⁾	76.2*	93.0 ⁽¹⁾	67.3*	79.3 ⁽¹⁾
230	B		187.0 ⁽⁹⁾		197.0 ⁽¹⁰⁾		201.0 ⁽¹¹⁾		211.0 ⁽¹¹⁾		207.0 ⁽⁷⁾	130.0*	190.0 ⁽⁴⁾	112.0*	158.0 ⁽³⁾	97.3*	127.0 ⁽³⁾	89.0*	112.0 ⁽³⁾	81.3*	97.9 ⁽²⁾	71.5*	84.1 ⁽²⁾
	BV		229.0 ⁽¹⁰⁾		238.0 ⁽¹⁰⁾		242.0 ⁽¹¹⁾		246.0 ⁽⁷⁾		230.0 ⁽³⁾	124.0*	203.0 ⁽²⁾	104.0*	161.0 ⁽²⁾	88.8*	123.0 ⁽¹⁾	80.4*	107.0 ⁽¹⁾	72.8*	92.3 ⁽¹⁾	64.4*	78.5 ⁽¹⁾
240	B		171.0 ⁽⁹⁾		181.0 ⁽¹⁰⁾		183.0 ⁽¹¹⁾		194.0 ⁽¹¹⁾		196.0 ⁽⁹⁾		184.0 ⁽⁵⁾	107.0*	157.0 ⁽³⁾	92.7*	125.0 ⁽²⁾	84.9*	110.0 ⁽³⁾	77.7*	97.1 ⁽³⁾	69.0*	82.7 ⁽²⁾
	BV		211.0 ⁽⁹⁾		221.0 ⁽¹⁰⁾		223.0 ⁽¹¹⁾		233.0 ⁽¹¹⁾		218.0 ⁽⁴⁾		202.0 ⁽²⁾	99.8*	160.0 ⁽²⁾	84.7*	124.0 ⁽²⁾	76.7*	106.0 ⁽²⁾	69.5*	91.7 ⁽¹⁾	61.4*	77.8 ⁽¹⁾
250	B		156.0 ⁽⁹⁾		165.0 ⁽¹⁰⁾		166.0 ⁽¹⁰⁾		178.0 ⁽¹¹⁾		186.0 ⁽¹¹⁾		178.0 ⁽⁶⁾	102.0*	152.0 ⁽⁴⁾	88.4*	124.0 ⁽³⁾	80.8*	109.0 ⁽³⁾	74.0*	95.8 ⁽³⁾	66.2*	82.6 ⁽³⁾
	BV		194.0 ⁽⁹⁾		203.0 ⁽¹⁰⁾		204.0 ⁽¹⁰⁾		216.0 ⁽¹¹⁾		208.0 ⁽⁵⁾		196.0 ⁽²⁾	96.3*	160.0 ⁽²⁾	80.9*	123.0 ⁽²⁾	73.1*	106.0 ⁽²⁾	66.2*	91.4 ⁽²⁾	58.5*	77.3 ⁽²⁾
260	B		142.0 ⁽⁷⁾		151.0 ⁽⁹⁾		152.0 ⁽¹⁰⁾		163.0 ⁽¹¹⁾		173.0 ⁽¹¹⁾		171.0 ⁽⁷⁾	97.6*	148.0 ⁽⁴⁾	84.2*	122.0 ⁽³⁾	77.0*	107.0 ⁽³⁾	70.5*	94.6 ⁽³⁾	63.1*	81.6 ⁽³⁾
	BV		179.0 ⁽⁸⁾		188.0 ⁽⁹⁾		188.0 ⁽¹⁰⁾		199.0 ⁽¹¹⁾		197.0 ⁽⁴⁾		189.0 ⁽³⁾	94.7*	159.0 ⁽²⁾	77.2*	123.0 ⁽²⁾	69.7*	106.0 ⁽²⁾	63.0*	91.6 ⁽²⁾	55.6*	77.2 ⁽²⁾
270	B		130.0 ⁽⁷⁾		138.0 ⁽⁹⁾		137.0 ⁽¹⁰⁾		147.0 ⁽¹⁰⁾		159.0 ⁽¹¹⁾		163.0 ⁽⁸⁾	95.6*	145.0 ⁽⁵⁾	80.4*	120.0 ⁽³⁾	73.2*	106.0 ⁽³⁾	67.0*	93.4 ⁽³⁾	60.0*	80.5 ⁽³⁾
	BV		165.0 ⁽⁸⁾		173.0 ⁽⁹⁾		173.0 ⁽¹⁰⁾		182.0 ⁽¹⁰⁾		189.0 ⁽⁸⁾		181.0 ⁽⁴⁾	91.4*	158.0 ⁽²⁾	73.7*	122.0 ⁽²⁾	66.6*	106.0 ⁽²⁾	60.0*	91.3 ⁽²⁾	52.8*	77.2 ⁽²⁾
280	B		118.0 ⁽⁷⁾		125.0 ⁽⁸⁾		124.0 ⁽⁹⁾		134.0 ⁽¹⁰⁾		146.0 ⁽¹¹⁾		155.0 ⁽⁹⁾		140.0 ⁽⁶⁾	76.6*	118.0 ⁽⁴⁾	69.6*	104.0 ⁽³⁾	63.6*	92.2 ⁽³⁾	56.9*	79.4 ⁽³⁾
	BV		152.0 ⁽⁷⁾		159.0 ⁽⁷⁾		158.0 ⁽⁸⁾		168.0 ⁽¹⁰⁾		180.0 ⁽¹¹⁾		172.0 ⁽⁵⁾		157.0 ⁽³⁾	70.5*	122.0 ⁽³⁾	63.5*	105.0 ⁽³⁾	57.1*	90.6 ⁽²⁾	50.2*	76.8 ⁽²⁾
290	B		107.0 ⁽⁷⁾		114.0 ⁽⁷⁾		113.0 ⁽⁹⁾		122.0 ⁽¹⁰⁾		133.0 ⁽¹¹⁾		148.0 ⁽¹¹⁾		136.0 ⁽⁷⁾	72.6*	115.0 ⁽⁴⁾	66.4*	103.0 ⁽⁴⁾	60.4*	90.8 ⁽³⁾	53.9*	78.4 ⁽³⁾
	BV		140.0 ⁽⁷⁾		147.0 ⁽⁸⁾		146.0 ⁽⁹⁾		154.0 ⁽¹⁰⁾		166.0 ⁽¹¹⁾		164.0 ⁽⁶⁾		152.0 ⁽³⁾	69.1*	122.0 ⁽³⁾	60.5*	105.0 ⁽³⁾	54.4*	90.5 ⁽³⁾	47.6*	75.9 ⁽²⁾
300	B		97.0 ⁽⁷⁾		104.0 ⁽⁷⁾		101.0 ⁽⁸⁾		110.0 ⁽⁹⁾		121.0 ⁽¹¹⁾		137.0 ⁽¹¹⁾		131.0 ⁽⁷⁾	69.1*	113.0 ⁽⁵⁾	63.0*	101.0 ⁽⁴⁾	57.2*	89.2 ⁽⁴⁾	51.0*	77.3 ⁽³⁾
	BV		129.0 ⁽⁷⁾		136.0 ⁽⁸⁾		133.0 ⁽⁸⁾		142.0 ⁽⁹⁾		153.0 ⁽¹¹⁾		156.0 ⁽⁷⁾		145.0 ⁽⁴⁾	67.5*	122.0 ⁽³⁾	57.8*	105.0 ⁽³⁾	51.7*	90.4 ⁽³⁾	45.2*	76.4 ⁽³⁾
310	B				93.9 ⁽⁷⁾		91.3 ⁽⁸⁾		99.4 ⁽⁹⁾		108.0 ⁽¹⁰⁾		126.0 ⁽¹¹⁾		126.0 ⁽⁸⁾	66.8*	109.0 ⁽⁴⁾	59.0*	98.5 ⁽⁵⁾	54.0*	88.2 ⁽⁴⁾	48.3*	76.0 ⁽⁴⁾
	BV				125.0 ⁽⁷⁾		122.0 ⁽⁸⁾		130.0 ⁽⁹⁾		139.0 ⁽¹⁰⁾		150.0 ⁽⁹⁾		138.0 ⁽⁵⁾	65.4*	122.0 ⁽³⁾	57.1*	104.0 ⁽³⁾	49.2*	90.2 ⁽³⁾	43.1*	76.2 ⁽³⁾
320	B				84.7 ⁽⁷⁾		81.4 ⁽⁷⁾		88.6 ⁽⁸⁾		98.1 ⁽¹⁰⁾		115.0 ⁽¹¹⁾		121.0 ⁽¹⁰⁾		106.0 ⁽⁴⁾	55.8*	95.8 ⁽³⁾	50.7*	86.0 ⁽³⁾	45.4*	75.2 ⁽⁴⁾
	BV				115.0 ⁽⁷⁾		111.0 ⁽⁸⁾		119.0 ⁽⁸⁾		128.0 ⁽¹⁰⁾		143.0 ⁽¹¹⁾		131.0 ⁽⁶⁾		118.0 ⁽⁴⁾	55.6*	104.0 ⁽³⁾	47.5*	90.1 ⁽³⁾	41.3*	75.9 ⁽³⁾
330	B						72.5 ⁽⁷⁾		79.5 ⁽⁸⁾		87.8 ⁽¹⁰⁾		105.0 ⁽¹¹⁾		115.0 ⁽¹¹⁾		104.0 ⁽⁷⁾	54.1*	94.3 ⁽⁴⁾	47.2*	85.1 ⁽³⁾	42.5*	73.6 ⁽⁴⁾
	BV						102.0 ⁽⁷⁾		109.0 ⁽⁸⁾		116.0 ⁽¹⁰⁾		133.0 ⁽¹¹⁾		126.0 ⁽⁷⁾		116.0 ⁽⁴⁾	54.0*	103.0 ⁽⁴⁾	46.9*	90.0 ⁽³⁾	39.6*	75.3 ⁽³⁾
340	B						63.9 ⁽⁷⁾		70.3 ⁽⁸⁾		77.7 ⁽⁹⁾		94.8 ⁽¹¹⁾		106.0 ⁽¹¹⁾		102.0 ⁽⁸⁾		90.9 ⁽⁷⁾	44.8*	81.9 ⁽⁴⁾	39.8*	72.8 ⁽⁵⁾
	BV						92.2 ⁽⁷⁾		98.8 ⁽⁸⁾		106.0 ⁽⁹⁾		122.0 ⁽¹¹⁾		121.0 ⁽⁸⁾		111.0 ⁽⁵⁾		103.0 ⁽⁴⁾	45.4*	89.7 ⁽⁴⁾	38.3*	75.4 ⁽³⁾
350	B								62.2 ⁽⁷⁾		68.8 ⁽⁹⁾		84.2 ⁽¹⁰⁾		97.3 ⁽¹¹⁾		99.1 ⁽⁹⁾		88.2 ⁽⁷⁾	43.3*	80.1 ⁽⁴⁾	37.2*	70.8 ⁽⁵⁾
	BV								89.7 ⁽⁷⁾		96.3 ⁽⁹⁾		111.0 ⁽¹⁰⁾		116.0 ⁽⁹⁾		105.0 ⁽⁵⁾		98.1 ⁽⁴⁾	44.1*	90.0 ⁽⁴⁾	37.6*	75.1 ⁽³⁾
360	B								54.2 ⁽⁷⁾		59.8 ⁽⁸⁾		75.3 ⁽¹⁰⁾		88.5 ⁽¹¹⁾		94.1 ⁽¹⁰⁾		86.8 ⁽⁸⁾		78.8 ⁽⁷⁾	35.3*	69.8 ⁽⁶⁾
	BV								81.0 ⁽⁷⁾		86.6 ⁽⁸⁾		102.0 ⁽¹⁰⁾		111.0 ⁽¹¹⁾		101.0 ⁽⁴⁾		95.7 ⁽⁵⁾		88.5 ⁽⁴⁾	36.1*	75.1 ⁽⁴⁾
370	B										52.3 ⁽⁸⁾		66.3 ⁽¹⁰⁾		79.7 ⁽¹¹⁾		88.5 ⁽¹¹⁾		84.8 ⁽⁹⁾		76.2 ⁽⁸⁾	34.1*	66.6 ⁽⁴⁾
	BV										78.2 ⁽⁸⁾		92.1 ⁽¹⁰⁾		103.0 ⁽¹¹⁾		97.0 ⁽⁷⁾		90.8 ⁽⁸⁾		85.2 ⁽⁵⁾	35.3*	75.1 ⁽⁴⁾
380	B								44.7 ⁽⁸⁾		57.8 ⁽⁹⁾		70.9 ⁽¹¹⁾		81.2 ⁽¹¹⁾		81.2 ⁽¹¹⁾		81.2 ⁽¹⁰⁾		74.1 ⁽⁹⁾		65.9 ⁽⁷⁾
	BV								69.8 ⁽⁸⁾		82.8 ⁽⁹⁾		95.1 ⁽¹¹⁾		92.3 ⁽⁸⁾		92.3 ⁽⁸⁾		86.5 ⁽⁴⁾		82.1 ⁽⁵⁾		73.0 ⁽⁵⁾
390	B										38.8 ⁽⁷⁾		50.2 ⁽⁹⁾		61.8 ⁽¹⁰⁾		73.8 ⁽¹¹⁾		76.4 ⁽¹¹⁾		72.7 ⁽¹⁰⁾		64.6 ⁽⁸⁾
	BV										61.3 ⁽⁷⁾		74.6 ⁽⁹⁾		86.1 ⁽¹⁰⁾		88.4 ⁽¹⁰⁾		82.8 ⁽⁷⁾		78.7 ⁽⁶⁾		72.7 ⁽⁵⁾
400	B										33.3 ⁽⁷⁾		42.8 ⁽⁸⁾		54.2 ⁽¹⁰⁾		66.3 ⁽¹¹⁾		69.6 ⁽¹¹⁾		70.9 ⁽¹¹⁾		62.7 ⁽⁹⁾
	BV										53.2 ⁽⁷⁾		66.1 ⁽⁸⁾		77.9 ⁽¹⁰⁾		84.5 ⁽¹¹⁾		79.1 ⁽⁸⁾		74.6 ⁽⁷⁾		68.6 ⁽⁵⁾
410	B												37.4 ⁽⁸⁾		46.7 ⁽¹⁰⁾		58.6 ⁽¹¹⁾		62.8 ⁽¹¹⁾		66.4 ⁽¹¹⁾		61.6 ⁽¹⁰⁾
	BV												58.8 ⁽⁸⁾		69.7 ⁽¹⁰⁾		78.5 ⁽¹¹⁾		76.1 ⁽¹⁰⁾		70.9 ⁽⁸⁾		65.8 ⁽⁴⁾
420	B												32.0 ⁽⁸⁾		40.2 ⁽⁹⁾		51.0 ⁽¹¹⁾		56.0 ⁽¹¹⁾		60.0 ⁽¹¹⁾		60.3 ⁽¹¹⁾
	BV												51.5 ⁽⁸⁾		61.7 ⁽⁹⁾		72.5 ⁽¹¹⁾		67.9 ⁽⁹⁾		62.8 ⁽⁷⁾		62.8 ⁽⁷⁾
430	B												26.7 ⁽⁷⁾		34.8 ⁽⁹⁾		43.7 ⁽¹⁰⁾		49.4 ⁽¹¹⁾		53.7 ⁽¹¹⁾		55.9 ⁽¹¹⁾
	BV												44.3 ⁽⁷⁾		54.5 ⁽⁹⁾		65.0 ⁽¹⁰⁾		67.3 ⁽¹¹⁾		65.6 ⁽¹⁰⁾		59.6 ⁽⁸⁾
440	B												21.9 ⁽⁷⁾		29.1 ⁽⁸⁾		38.1 ⁽¹⁰⁾		42.8 ⁽¹¹⁾		47.6 ⁽¹¹⁾		50.3 ⁽¹¹⁾
	BV												47.4 ⁽⁸⁾		57.9 ⁽¹⁰⁾		62.0 ⁽¹¹⁾		62.2 ⁽¹¹⁾		62.2 ⁽¹¹⁾		56.9 ⁽⁹⁾
450	B												24.3 ⁽⁸⁾										

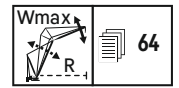


661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb



 ft	HS 354 ft																					
	W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
45	B	432.0	432.0																			
	BV	429.0	429.0																			
50	B	421.0	429.0 ^[1]	380.0	380.0																	
	BV	416.0	423.0 ^[1]	377.0	377.0																	
55	B	410.0	430.0 ^[1]	373.0	380.0 ^[1]	340.0	340.0															
	BV	403.0	418.0 ^[1]	366.0	372.0 ^[1]	338.0	338.0															
60	B	432.0*	432.0	363.0	380.0 ^[1]	334.0	339.0 ^[1]	304.0	304.0													
	BV	415.0*	415.0	355.0	368.0 ^[1]	330.0	334.0 ^[1]	301.0	301.0													
65	B	422.0*	430.0 ^[1]	383.0*	383.0	327.0	340.0 ^[1]	299.0	302.0 ^[1]													
	BV	402.0*	409.0 ^[1]	366.0*	366.0	321.0	331.0 ^[1]	294.0	297.0 ^[1]													
70	B	411.0*	428.0 ^[1]	375.0*	380.0 ^[1]	343.0*	343.0	293.0	303.0 ^[1]	242.0	242.0											
	BV	389.0*	403.0 ^[1]	356.0*	360.0 ^[1]	330.0*	330.0	287.0	294.0 ^[1]	239.0	239.0											
75	B	401.0*	427.0 ^[1]	366.0*	379.0 ^[1]	337.0*	340.0 ^[1]	305.0*	305.0	237.0	240.0 ^[1]											
	BV	377.0*	398.0 ^[1]	345.0*	355.0 ^[1]	322.0*	325.0 ^[1]	279.0	292.0 ^[1]	233.0	235.0 ^[1]											
80	B	389.0*	425.0 ^[1]	356.0*	377.0 ^[1]	328.0*	339.0 ^[1]	300.0*	302.0 ^[1]	232.0	240.0 ^[1]	192.0	192.0									
	BV	364.0*	392.0 ^[1]	334.0*	351.0 ^[1]	313.0*	321.0 ^[1]	287.0*	289.0 ^[1]	227.0	232.0 ^[1]	190.0	190.0									
85	B	378.0*	424.0 ^[1]	346.0*	376.0 ^[1]	320.0*	338.0 ^[1]	293.0*	301.0 ^[1]	227.0	240.0 ^[1]	189.0	191.0 ^[1]									
	BV	350.0*	387.0 ^[1]	322.0*	346.0 ^[1]	304.0*	317.0 ^[1]	279.0*	285.0 ^[1]	221.0	230.0 ^[1]	186.0	187.0 ^[1]									
90	B	368.0*	422.0 ^[1]	336.0*	374.0 ^[1]	313.0*	337.0 ^[1]	286.0*	301.0 ^[1]	238.0*	239.0 ^[1]	186.0	191.0 ^[1]	151.0	151.0							
	BV	337.0*	382.0 ^[1]	311.0*	341.0 ^[1]	294.0*	313.0 ^[1]	271.0*	282.0 ^[1]	227.0*	227.0	181.0	185.0 ^[1]	149.0	149.0							
95	B	356.0*	421.0 ^[1]	327.0*	373.0 ^[1]	305.0*	335.0 ^[1]	280.0*	300.0 ^[1]	234.0*	239.0 ^[1]	182.0	191.0 ^[1]	149.0	150.0 ^[1]							
	BV	332.0*	376.0 ^[1]	300.0*	336.0 ^[1]	286.0*	309.0 ^[1]	263.0*	279.0 ^[1]	221.0*	225.0 ^[1]	177.0	183.0 ^[1]	147.0	148.0 ^[1]							
100	B		417.0 ^[1]	317.0*	371.0 ^[1]	297.0*	334.0 ^[1]	274.0*	299.0 ^[1]	230.0*	238.0 ^[1]	191.0*	191.0	146.0	150.0 ^[1]	116.0	116.0					
	BV		378.0 ^[1]	289.0*	331.0 ^[1]	277.0*	305.0 ^[1]	256.0*	276.0 ^[1]	216.0*	223.0 ^[1]	182.0*	182.0	144.0	146.0 ^[1]	115.0	115.0					
105	B		413.0 ^[1]	308.0*	370.0 ^[1]	290.0*	333.0 ^[1]	268.0*	298.0 ^[1]	225.0*	238.0 ^[1]	188.0*	190.0 ^[1]	144.0	150.0 ^[1]	115.0	116.0 ^[1]					
	BV		381.0 ^[1]	280.0*	301.0 ^[1]	269.0*	301.0 ^[1]	249.0*	272.0 ^[1]	211.0*	211.0 ^[1]	178.0*	180.0 ^[1]	140.0	145.0 ^[1]	113.0	114.0 ^[1]	99.5	99.5			
110	B		409.0 ^[1]	300.0*	367.0 ^[1]	282.0*	332.0 ^[1]	262.0*	297.0 ^[1]	221.0*	237.0 ^[1]	185.0*	190.0 ^[1]	151.0*	151.0	113.0	116.0 ^[1]					
	BV		384.0 ^[1]	272.0*	332.0 ^[1]	262.0*	297.0 ^[1]	242.0*	269.0 ^[1]	206.0*	219.0 ^[1]	174.0*	178.0 ^[1]	144.0*	144.0	111.0	113.0 ^[1]	98.1	98.7 ^[1]	86.0	86.0	
115	B		405.0 ^[1]	291.0*	365.0 ^[1]	274.0*	330.0 ^[1]	256.0*	296.0 ^[1]	217.0*	237.0 ^[1]	183.0*	190.0 ^[1]	150.0*	150.0	112.0	116.0 ^[1]					
	BV		387.0 ^[1]	272.0*	335.0 ^[1]	255.0*	298.0 ^[1]	237.0*	266.0 ^[1]	201.0*	217.0 ^[1]	171.0*	177.0 ^[1]	142.0*	143.0 ^[1]	109.0	113.0 ^[1]	96.7	98.4 ^[1]	85.0	85.3 ^[1]	72.9
120	B		401.0 ^[1]		363.0 ^[1]	267.0*	328.0 ^[1]	250.0*	295.0 ^[1]	213.0*	236.0 ^[1]	180.0*	189.0 ^[1]	148.0*	150.0 ^[1]	117.0*	117.0					
	BV		391.0 ^[1]		337.0 ^[1]	248.0*	300.0 ^[1]	230.0*	265.0 ^[1]	196.0*	214.0 ^[1]	168.0*	176.0 ^[1]	140.0*	142.0 ^[1]	113.0*	113.0	95.3	98.1 ^[1]	83.9	84.9 ^[1]	72.0
125	B		397.0 ^[1]		361.0 ^[1]	259.0*	326.0 ^[1]	243.0*	293.0 ^[1]	209.0*	236.0 ^[1]	177.0*	189.0 ^[1]	146.0*	150.0 ^[1]	116.0*	117.0 ^[1]					
	BV		394.0 ^[1]		340.0 ^[1]	242.0*	302.0 ^[1]	225.0*	266.0 ^[1]	192.0*	212.0 ^[1]	164.0*	174.0 ^[1]	137.0*	141.0 ^[1]	111.0*	111.0	93.8	97.8 ^[1]	82.7	84.6 ^[1]	71.1
130	B		393.0 ^[1]		358.0 ^[1]	252.0*	324.0 ^[1]	237.0*	292.0 ^[1]	205.0*	235.0 ^[1]	174.0*	189.0 ^[1]	144.0*	150.0 ^[1]	115.0*	116.0 ^[1]					
	BV		397.0 ^[1]		343.0 ^[1]	239.0*	304.0 ^[1]	219.0*	268.0 ^[1]	187.0*	210.0 ^[1]	161.0*	173.0 ^[1]	135.0*	139.0 ^[1]	109.0*	110.0 ^[1]	97.3*	97.4 ^[1]	85.0*	85.0	70.2
135	B		387.0 ^[1]		356.0 ^[1]	248.0*	322.0 ^[1]	230.0*	290.0 ^[1]	201.0*	234.0 ^[1]	171.0*	188.0 ^[1]	142.0*	150.0 ^[1]	114.0*	116.0 ^[1]					
	BV		395.0 ^[1]		345.0 ^[1]	237.0*	306.0 ^[1]	213.0*	269.0 ^[1]	183.0*	209.0 ^[1]	157.0*	171.0 ^[1]	132.0*	138.0 ^[1]	108.0*	110.0 ^[1]	95.4*	96.6 ^[1]	83.9*	83.9	72.3*
140	B		381.0 ^[1]		354.0 ^[1]		320.0 ^[1]	224.0*	288.0 ^[1]	196.0*	233.0 ^[1]	168.0*	188.0 ^[1]	140.0*	149.0 ^[1]	113.0*	116.0 ^[1]					
	BV		392.0 ^[1]		348.0 ^[1]		308.0 ^[1]	208.0*	271.0 ^[1]	179.0*	210.0 ^[1]	154.0*	170.0 ^[1]	130.0*	137.0 ^[1]	106.0*	109.0 ^[1]	93.7*	95.8 ^[1]	82.7*	83.2 ^[1]	71.3*
145	B		376.0 ^[1]		345.0 ^[1]		317.0 ^[1]	219.0*	286.0 ^[1]	191.0*	232.0 ^[1]	165.0*	188.0 ^[1]	138.0*	149.0 ^[1]	112.0*	116.0 ^[1]					
	BV		389.0 ^[1]		340.0 ^[1]		310.0 ^[1]	204.0*	272.0 ^[1]	174.0*	211.0 ^[1]	151.0*	168.0 ^[1]	127.0*	136.0 ^[1]	104.0*	108.0 ^[1]	92.3*	95.1 ^[1]	81.6*	82.6 ^[1]	70.4*
150	B		368.0 ^[1]		338.0 ^[1]		314.0 ^[1]	213.0*	285.0 ^[1]	187.0*	231.0 ^[1]	162.0*	187.0 ^[1]	136.0*	149.0 ^[1]	110.0*	116.0 ^[1]					
	BV		386.0 ^[1]		347.0 ^[1]		311.0 ^[1]	204.0*	274.0 ^[1]	170.0*	212.0 ^[1]	147.0*	168.0 ^[1]	125.0*	135.0 ^[1]	102.0*	107.0 ^[1]	90.8*	94.3 ^[1]	80.4*	81.9 ^[1]	69.4*
155	B		357.0 ^[1]		333.0 ^[1]		311.0 ^[1]	211.0*	283.0 ^[1]	182.0*	229.0 ^[1]	159.0*	186.0 ^[1]	134.0*	149.0 ^[1]	109.0*	116.0 ^[1]					
	BV		383.0 ^[1]		347.0 ^[1]		311.0 ^[1]	200.0*	275.0 ^[1]	166.0*	213.0 ^[1]	144.0*	169.0 ^[1]	122.0*	134.0 ^[1]	100.0*	106.0 ^[1]	89.3*	93.5 ^[1]	79.1*	81.3 ^[1]	68.4*
160	B		346.0 ^[1]		328.0 ^[1]		304.0 ^[1]		279.0 ^[1]	178.0*	228.0 ^[1]	156.0*	185.0 ^[1]	132.0*	149.0 ^[1]	107.0*	115.0 ^[1]					
	BV		380.0 ^[1]		346.0 ^[1]		311.0 ^[1]		276.0 ^[1]	162.0*	214.0 ^[1]	141.0*	169.0 ^[1]	120.0*	133.0 ^[1]	98.6*	106.0 ^[1]	87.7*	92.7 ^[1]	77.8*	80.7 ^[1]	6

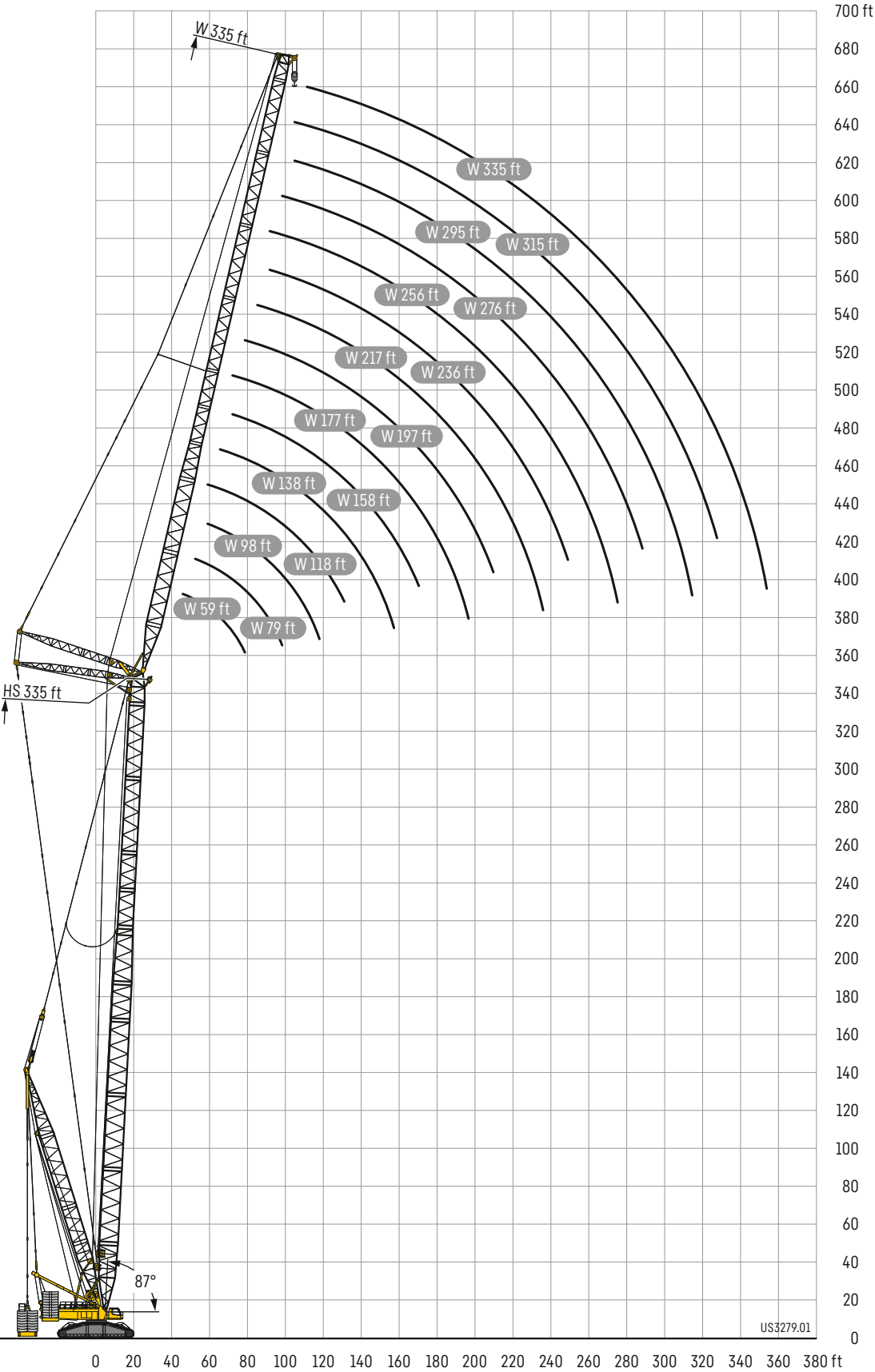
HS 354 ft

62 LR1800-1.0

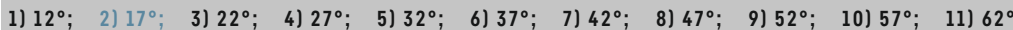
Lifting heights

Hauteurs de levage

HSDWB / HSDWBV

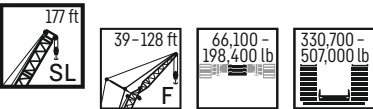


max



SLF

SL 177 ft



 ft	SL 177 ft																										 ft	
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			F 79 ft			F 89 ft			F 98 ft			F 108 ft		F 118 ft		F 128 ft		
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	18°	30°	18°	30°	18°		30°
40	408																											40
45	408	401		389																								45
50	408	384	266	370	320		320			284																		50
55	408	369	258	353	308	228	305	264		270	238		251			234												55
60	408	356	251	338	296	221	292	253		259	228		239	208		222			211									60
65	403	343	244	324	285	215	279	244	189	247	220		229	200		213	185		201									65
70	388	332	239	311	276	209	268	236	173	237	212	157	219	192		203	178		192	168		159		153		149		70
75	360	321	233	299	267	203	258	227	168	228	204	152	210	185	142	194	171	133	184	161		153		147		142		75
80	334	311	227	288	258	197	248	220	164	219	197	148	202	179	137	187	165	129	176	155	123	147		141		136		80
85	310	301	222	278	251	193	240	213	160	211	191	144	194	173	133	180	159	125	169	149	119	141	113	135		131		85
90	287	286	218	268	244	183	231	207	155	203	185	141	187	167	130	173	154	121	162	144	116	136	110	130	105	125	100	90
95	265	266	214	257	237	173	223	200	152	197	179	137	181	162	127	166	149	118	156	139	112	131	107	126	101	121	96.7	95
100	246	247	210	245	230	169	216	195	148	190	174	134	175	157	123	160	144	115	151	135	109	127	104	121	98.3	117	93.6	100
105	227	230	206	231	222	165	209	190	145	184	169	130	169	152	120	155	139	112	145	130	106	123	101	117	95.3	112	90.7	105
110	213	214	202	215	213	161	203	185	142	178	165	128	164	148	117	150	135	109	140	126	103	119	98.2	113	92.5	108	88.2	110
115	199	200	197	201	203	158	197	180	139	173	161	125	159	144	115	145	131	107	136	123	101	115	95.4	109	89.9	104	85.7	115
120	186	188	189	189	191	155	190	176	136	168	156	122	154	140	112	141	128	104	131	119	98.3	112	92.9	106	87.4	101	83.1	120
125	175	177	180	177	180	152	180	172	133	164	153	119	149	136	109	137	124	101	127	116	95.8	108	90.5	102	85.2	97.7	80.7	125
130	164	166	169	166	169	150	170	167	130	159	149	117	145	133	107	133	121	99	123	112	93.6	105	88.6	99.4	83.3	94.3	78.5	130
135	155	156	159	157	159	147	160	161	128	154	145	114	141	129	105	129	118	96.9	120	109	91.4	102	86.3	96.5	81.2	91.5	76.6	135
140	146	147	150	148	150	144	151	153	126	149	142	112	137	126	103	125	115	94.8	116	106	89.3	99.1	84.2	93.8	79.1	88.7	74.5	140
145	138	139	142	140	142	141	143	145	123	143	139	110	133	123	100	122	112	92.7	113	103	87.4	96.5	82.3	91	77.2	86.1	72.4	145
150	130	131	134	133	135	136	135	137	121	136	136	108	130	121	98.4	118	109	90.7	110	101	85.4	94	80.4	88.5	75.4	83.6	70.6	150
155	123	124	126	125	128	130	128	130	119	130	130	106	126	118	96.6	115	107	88.9	107	98.4	83.5	91.6	78.6	86	73.7	81.3	68.9	155
160	117	118	120	119	121	124	122	123	117	123	125	105	123	116	94.9	112	104	87.2	104	96.1	81.7	89.2	76.7	83.8	71.9	79.1	67.3	160
165	110	111	114	113	114	117	116	117	114	117	119	103	118	113	93.3	110	102	85.5	101	93.8	80	87	75.1	81.6	70.3	76.9	65.7	165
170	105	105	108	107	109	111	110	111	111	111	113	101	113	110	91.7	107	99.9	84	98.5	91.5	78.5	84.9	73.6	79.6	68.8	74.8	64.3	170
175	99.4	100	102	101	103	105	105	105	107	105	108	99.6	108	106	90.2	104	97.8	82.5	96.2	89.5	77.1	82.9	72.1	77.5	67.3	72.8	62.9	175
180	94.2	94.7	96.5	96.2	97.6	99.8	99.3	100	103	100	102	98	103	102	88.8	100	95.9	81.2	93.9	87.6	75.6	81.1	70.7	75.5	66	71	61.5	180
185	89.6	90	91.4	91.3	92.7	94.7	94.3	95	97.5	95.5	97.4	95.6	97.8	98.4	87.4	97.2	94	79.8	91.8	85.8	74.3	79.2	69.2	73.8	64.7	69.2	60.2	185
190	85.1	85.4	86.7	86.7	87.9	89.8	89.7	90.4	92.5	90.7	92.6	92.4	93.3	94.3	86	93.6	92.1	78.5	89.6	84.1	73	77.4	67.9	72.1	63.5	67.6	58.9	190
195	80.9	81.2	82.2	82.5	83.8	85.1	85.2	85.9	88	86.5	88.1	89	88.9	90	84.6	89.8	89.4	77.2	87.4	82.4	71.7	75.8	66.8	70.4	62.3	66	57.7	195
200				78.4	79.7	80.8	81.1	81.6	83.4	82.4	84	85.3	84.7	85.6	83.3	85.6	86.2	75.8	84.8	80.7	70.5	74.2	65.6	68.9	61.1	64.4	56.6	200
205				74.6	75.7	76.6	77.4	77.8	79.2	78.4	79.9	81.2	80.9	81.6	81.9	81.6	82.5	74.7	81.8	79	69.4	72.6	64.5	67.4	60	62.9	55.5	205
210							73.7	74.1	75.2	74.8	76.1	77.2	77.3	77.9	79.3	77.9	78.8	73.8	78.8	77.2	68.3	71.1	63.3	65.9	59	61.5	54.5	210
215							70.5	71.4	71.3	72.6	73.4	73.6	74.2	75.8	74.4	75.3	72.8	75.7	75.5	67.3	69.8	62.2	64.5	58	60	53.6	215	
220										67.8	69.2	69.8	70.3	70.7	72.1	71	71.9	70.9	72.6	73.2	66.4	68.5	61.3	63.3	57	58.7	52.7	220
225											65.8	66.4	66.9	67.4	68.6	67.8	68.5	68.8	69.4	70.3	65.5	67.2	60.4	62.1	56.1	57.4	51.8	225
230													63.8	64.2	65.2	64.9	65.4	66.5	66.3	67.2	64.6	65.5	59.5	61	55.2	56.2	50.9	230
235														61.2	61.9	61.9	62.4	63.5	63.4	64.1	63.8	63.6	58.4	59.9	54.3	55.1	50.1	235
240																59.1	59.4	60.5	60.7	61.3	62.7	61.6	57.7	58.8	53.4	54	49.3	240
245																		57.5	57.9	58.6	59.8	59.4	57	57.8	52.7	53	48.6	245
250																			55.4	55.9	57	56.8	56	56.8	52	52.1	47.8	250
255																					54.3	54.2	54.3	54.8	51.4	51.2	47.2	255
260																						51.7	52.6	52.6	50.7	50.2	46.7	260
265																							50.3	50.4	50	49	46.1	265
270																									48.2	49	47.7	270
275																									47.1	46.3	45	275
280																											44.3	280



 ft	SL 197 ft																												 ft
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			F 79 ft			F 89 ft			F 98 ft			F 108 ft		F 118 ft		F 128 ft			
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	18°	30°	18°	30°	18°	30°		
45	408	405		392																								45	
50	408	389		375	323		323																					50	
55	408	375	260	359	312		309	265		273			253															55	
60	408	362	254	344	300	223	296	256		261	230		242			225			213									60	
65	403	350	248	331	290	217	284	247	190	251	222		232	202		215	187		203									65	
70	378	339	241	318	281	212	273	239	174	241	214	158	223	194		206	179		195	169		160						70	
75	348	328	236	306	272	206	264	232	170	232	207	154	214	188	142	198	173		187	163		154		148		143		75	
80	323	318	231	296	264	200	255	225	166	224	201	150	206	181	139	190	168	129	179	157		149		142		138		80	
85	300	302	226	286	256	196	246	218	162	216	195	146	199	176	135	183	161	126	172	152	120	144		137		132		85	
90	279	282	222	275	249	191	237	211	158	208	189	143	192	170	131	177	156	123	166	147	117	138	110	132	105	127		90	
95	261	263	217	261	242	176	230	206	154	202	183	139	185	165	128	170	152	120	160	142	114	134	107	128	102	123	97.3	95	
100	243	244	213	245	235	172	223	200	151	196	178	136	179	161	125	165	147	117	154	138	111	129	105	123	98.9	118	94.6	100	
105	226	227	210	228	224	169	216	194	148	190	174	133	174	156	122	160	143	114	149	133	108	125	102	119	96.3	114	91.5	105	
110	210	211	204	213	213	165	208	190	145	184	169	130	169	152	119	155	139	111	144	129	105	121	99.3	115	93.7	110	89	110	
115	195	197	197	199	201	162	199	185	142	179	165	127	164	148	117	150	135	108	140	126	103	118	96.6	112	91.3	107	86.6	115	
120	183	184	187	185	189	159	189	180	139	174	161	125	159	144	114	145	131	106	135	122	100	114	94.2	108	88.8	103	84.2	120	
125	171	173	177	174	177	156	177	174	136	169	156	122	154	140	112	141	128	103	131	118	97.7	111	91.9	105	86.5	99.9	81.9	125	
130	161	162	166	164	166	153	167	168	134	164	153	119	150	137	109	137	124	101	127	115	95.4	108	90	102	84.3	97	79.9	130	
135	151	152	156	153	157	151	157	159	131	158	149	117	146	133	107	133	121	98.9	123	112	93.2	105	87.7	99.3	82.4	94.1	77.9	135	
140	142	143	147	144	147	147	148	150	129	150	145	115	142	130	105	129	118	96.9	120	109	91.1	102	85.7	96.6	80.4	91.5	75.8	140	
145	135	135	138	136	139	141	140	141	126	141	141	113	138	127	103	126	115	94.9	117	107	89.3	99.6	83.9	93.9	78.7	88.9	74	145	
150	127	128	131	129	131	134	132	133	124	133	135	111	134	125	101	123	113	93	114	104	87.5	96.9	82.1	91.4	77	86.5	72.1	150	
155	120	121	124	122	124	127	125	126	122	126	129	109	129	122	99.1	120	110	91.1	111	102	85.7	94.5	80.4	88.9	75.3	84	70.4	155	
160	113	114	117	115	117	121	118	119	120	119	122	107	122	119	97.5	117	108	89.3	108	99.4	83.9	92.1	78.7	86.5	73.7	81.8	68.8	160	
165	107	108	110	109	111	114	112	113	115	113	116	106	116	116	95.8	114	105	87.8	105	97.1	82.2	89.9	77.2	84.4	72.1	79.5	67.3	165	
170	102	102	104	103	105	108	106	107	110	108	110	104	110	111	94.2	110	103	86.2	103	94.9	80.8	87.9	75.6	82.3	70.5	77.5	65.7	170	
175	95.9	96.5	98.9	97.8	99.5	102	101	102	105	102	105	102	105	106	92.7	105	101	84.8	100	93	79.4	85.8	74.2	80.4	69	75.5	64.3	175	
180	90.6	91.2	93.5	92.8	94.4	96.9	95.5	96.4	99.8	97.3	99.5	99.3	99.4	101	91.2	100	98.5	83.5	97.8	91	77.9	84	72.7	78.4	67.6	73.6	62.9	180	
185	86.1	86.6	88.5	87.7	89.5	92	90.7	91.6	94.4	92.1	94.4	95.2	94.7	96	89.5	95.5	95.5	82.2	95	89.1	76.5	82.3	71.3	76.6	66.3	71.8	61.7	185	
190	81.7	82.2	84	83.1	84.6	87.2	86.1	87	89.6	87.6	89.5	90.9	89.9	91.4	87.5	91.1	92.2	80.8	92.1	87.2	75.1	80.5	69.9	74.8	65	70.1	60.4	190	
195	77.4	77.9	79.6	78.9	80.4	82.7	81.6	82.6	85.1	83.3	85	86.7	85.5	86.9	85.2	86.6	88	79.5	88.1	85.1	73.9	78.7	68.6	73.2	63.9	68.5	59.3	195	
200	73.4	73.9	75.3	74.9	76.3	78.4	77.6	78.3	80.7	79.2	80.9	82.6	81.4	82.7	83	82.3	83.8	78.3	84	82.3	72.7	76.9	67.4	71.7	62.9	66.9	58.1	200	
205	69.5	70.1	71.4	71	72.2	74.3	73.8	74.4	76.5	75.1	76.8	78.5	77.6	78.8	80.2	78.3	79.7	77.2	80	79.5	71.5	75.2	66.3	70.2	61.8	65.4	57.1	205	
210	65.9	66.4	67.5	67.5	68.6	70.4	70	70.7	72.7	71.5	73	74.4	73.9	75	76.9	74.6	75.8	76.1	76.3	76.7	70.5	73.6	65.3	68.8	60.7	63.9	56.1	210	
215				64.1	65	66.6	66.5	67	68.9	67.9	69.4	70.7	70.3	71.2	73.1	71.1	72.3	73.8	72.7	73.7	69.5	72	64.3	67.3	59.7	62.6	55.1	215	
220				60.9	61.7	63	63.2	63.7	65.3	64.4	65.9	67.2	66.9	67.8	69.4	67.5	68.7	70.7	69.3	70.6	68.2	70	63.2	65.9	58.7	61.3	54.1	220	
225							60	60.4	61.9	61.3	62.6	63.7	63.6	64.5	66	64.4	65.3	67.3	66	67.2	66.6	67.6	62.2	64.4	57.9	60.1	53.1	225	
230							57.1	57.4	58.6	58.4	59.5	60.5	60.4	61.2	62.6	61.5	62.2	63.9	62.9	63.9	64.5	64.6	61	62.7	57	58.8	52.3	230	
235										55.5	56.5	57.5	57.6	58.2	59.4	58.5	59.2	60.8	60	61	62.3	61.6	59.8	60.7	56.2	57.5	51.4	235	
240										52.7	53.6	54.4	54.9	55.4	56.4	55.7	56.3	57.8	57.2	58.1	59.9	58.7	58.5	58.6	55.3	56.1	50.6	240	
245													52.2	52.7	53.6	53.1	53.6	54.8	54.4	55.4	57.2	56	57.1	56.5	54.5	54.7	49.8	245	
250													49.6	50	50.7	50.5	51	52.1	51.9	52.6	54.3	53.4	55.1	54.2	53.7	53.2	49.1	250	
255																47.9	48.5	49.5	49.6	50.2	51.5	50.8	52.8	51.9	52.8	51.5	48.5	255	
260																	46.1	46.9	47.2	47.9	49.1	48.4	50.3	49.5	51	49.6	47.8	260	
265																			44.9	45.5	46.6	46.1	47.8	47.1	48.8	47.4	46.8	265	
270																				43.2	44.2	43.9	45.4	44.9	46.5	45.2	45.5	270	
275																													

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 ft	SL 256 ft																												 ft
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			F 79 ft			F 89 ft			F 98 ft			F 108 ft		F 118 ft		F 128 ft			
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	18°	30°	18°	30°	18°	30°		
50	408																											50	
55	408	383		367	314		314																						55
60	395	372	261	355	307		303			266																			60
65	373	362	256	343	298	219	293	257		257	225		237			219													65
70	346	345	251	332	290	215	283	250	179	248	219		229	197		211	181		199										70
75	320	323	246	319	282	211	275	243	173	240	213	156	221	192		204	176		191	165									75
80	296	300	242	296	275	206	267	237	170	233	207	152	214	186	140	197	171		185	160		151		145		140			80
85	275	278	237	276	268	202	259	230	166	226	201	149	207	181	137	191	166	128	179	155		147		140		135			85
90	257	259	233	257	259	198	251	225	163	220	197	146	201	176	134	185	161	125	173	151	118	142		136		130			90
95	240	242	230	240	245	194	243	220	160	214	191	143	195	172	131	179	157	122	168	146	115	138	109	131	103	126			95
100	224	227	226	225	230	190	228	214	157	207	187	140	190	167	129	174	153	119	162	142	113	134	106	127	100	123	95.2		100
105	210	213	220	211	216	178	214	209	154	202	182	138	185	163	126	169	149	117	158	139	111	130	104	124	97.7	119	92.8		105
110	198	200	208	198	203	173	201	204	151	196	178	135	179	159	124	164	145	114	153	135	108	127	101	120	95.5	115	90.7		110
115	186	188	196	187	191	170	189	194	148	189	174	133	175	156	121	160	142	112	149	131	106	123	99	117	93.3	112	88.3		115
120	175	177	185	176	180	168	179	183	146	179	170	130	171	152	119	155	138	110	144	128	104	120	96.8	114	91.1	108	86.1		120
125	164	167	174	166	170	165	169	173	143	169	167	128	166	149	117	151	135	108	140	125	102	117	95	111	89	106	84.2		125
130	154	156	163	156	160	159	160	164	141	160	163	126	162	146	114	147	132	106	137	122	99.5	114	93.2	108	87.3	103	82.3		130
135	144	146	153	147	151	153	151	155	139	151	156	124	154	142	112	143	129	104	133	119	97.6	112	91.2	105	85.2	100	80.4		135
140	136	137	144	138	141	145	141	146	137	143	147	121	146	138	111	139	126	102	130	117	95.7	109	89.3	103	83.4	97.3	78.7		140
145	127	129	135	129	133	138	133	137	133	134	139	120	138	134	109	134	124	100	127	114	93.9	106	87.5	100	81.8	94.8	76.9		145
150	120	121	127	122	125	130	126	129	130	127	130	118	130	129	107	128	121	98.2	124	112	92.3	104	85.8	97.8	80.1	92.3	75.2		150
155	113	114	120	115	118	123	119	121	124	119	123	116	123	124	105	123	118	96.6	120	109	90.6	102	84.3	95.5	78.4	90	73.6		155
160	106	107	113	108	111	116	112	115	118	113	116	113	116	118	103	117	115	95.1	116	107	89	99.3	82.8	93.3	77.1	87.8	72.1		160
165	99.9	101	106	102	105	109	106	109	112	107	110	110	110	112	102	110	110	93.6	111	104	87.5	97.1	81.3	91.2	75.7	85.7	70.7		165
170	94.4	95.5	100	96	99.1	103	99.4	103	106	101	104	106	104	106	100	104	106	92.1	105	102	86	94.9	79.9	89.2	74.4	83.8	69.4		170
175	89.2	90	94.9	90.8	93.4	97.3	94	97.1	100	95.1	98.6	101	98.3	100	98.8	99	101	90.7	100	99.4	84.5	93.1	78.5	87.1	73	81.8	68		175
180	84.1	85.1	89.6	85.8	88.4	91.7	88.8	91.7	94.5	90	93.1	96.4	93	94.9	95.5	93.8	95.6	89.3	95.2	96	83	91.2	77.2	85.2	71.7	79.9	66.7		180
185	79.7	80.4	84.7	81.2	83.5	86.8	84.2	86.7	89.4	85	88.3	91.2	88.1	89.8	91.9	88.7	90.8	87.5	90.3	92	81.7	88.7	75.9	83.3	70.4	78.2	65.4		185
190	75.4	76.2	80.1	76.7	78.9	82.1	79.7	82.1	84.5	80.6	83.6	86.4	83.5	85.2	87.9	84.1	86	85.3	85.6	87.8	80.4	85.6	74.8	81.3	69.1	76.4	64.1		190
195	71.1	71.9	75.8	72.7	74.7	77.6	75.5	77.8	80	76.3	79.4	81.9	79.3	80.7	83.7	79.7	81.5	82.8	81.2	83.3	79.2	82.4	73.6	79.3	67.8	74.8	62.9		195
200	67.1	67.8	71.5	68.6	70.8	73.6	71.6	73.6	75.8	72.3	75.2	77.7	75.1	76.6	79.5	75.6	77.2	80	77	79	77.8	78.8	72.6	77.1	66.6	73.3	61.8		200
205	63.2	64	67.4	64.6	66.9	69.6	67.8	69.9	71.6	68.4	71.2	73.5	71.3	72.6	75.4	71.7	73.3	76.5	73	74.9	76.1	75.2	71.5	74.7	65.5	71.6	60.7		205
210	59.8	60.4	63.6	61	63.1	65.7	64.1	66.2	68	65	67.5	69.7	67.5	68.9	71.5	68	69.6	72.5	69.4	71	73.9	71.4	70.2	71.8	64.5	69.9	59.7		210
215	56.3	56.9	60.2	57.5	59.5	62	60.5	62.4	64.4	61.5	64.1	66	64.2	65.2	67.7	64.4	66.1	68.9	65.9	67.5	70.4	67.7	68.8	68.3	63.4	67.6	58.7		215
220	52.8	53.5	56.7	54.3	56.2	58.5	57.1	59	60.7	58.1	60.6	62.6	60.9	62	64.1	61.2	62.6	65.3	62.6	64	67	64.5	66.5	64.9	62.4	64.6	57.8		220
225	49.8	50.3	53.3	51	52.9	55.2	53.9	55.7	57.3	54.9	57.2	59.3	57.6	58.8	60.8	58.1	59.5	62	59.5	60.7	63.7	61.3	64.1	61.7	61.3	61.7	56.8		225
230	46.9	47.4	50.3	47.9	49.6	52	50.9	52.7	54.1	51.8	54.1	55.9	54.4	55.6	57.7	55.1	56.4	58.8	56.5	57.6	60.5	58.3	61.2	58.6	60.2	58.8	56		230
235	44	44.5	47.4	45.2	46.8	48.9	47.8	49.7	51.2	49.1	51.1	52.8	51.5	52.5	54.6	52	53.4	55.8	53.6	54.8	57.4	55.2	58.3	55.7	58.3	55.9	55.2		235
240	41.2	41.6	44.5	42.7	44.2	46.1	45.1	46.8	48.2	46.3	48.2	49.8	48.7	49.6	51.6	49.2	50.4	52.8	50.7	52	54.5	52.6	55.3	52.7	56	53.1	53.9		240
245	38.8	39.1	41.7	40.1	41.5	43.4	42.5	44.2	45.3	43.5	45.4	47	46.1	47	48.7	46.5	47.7	49.9	48	49.2	51.8	49.9	52.4	50.3	53.3	50.3	52.3		245
250	36.4	36.7	39.1	37.6	38.9	40.7	40.1	41.8	42.8	41	42.7	44.2	43.4	44.3	46.1	44	45	47.1	45.3	46.5	49.1	47.2	49.8	47.7	50.5	47.9	50.4		250
255	34.1	34.3	36.6	35.3	36.6	38.1	37.7	39.3	40.3	38.6	40.3	41.5	40.9	41.7	43.5	41.5	42.6	44.4	42.7	44	46.3	44.5	47.3	45.3	48	45.4	48.3		255
260	32	32.1	34.1	33	34.3	35.8	35.4	36.9	37.9	36.2	37.9	39.1	38.5	39.3	40.9	39	40.1	41.8	40.										



 ft	SL 276 ft																												 ft
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			F 79 ft			F 89 ft			F 98 ft			F 108 ft		F 118 ft		F 128 ft			
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	18°	30°	18°	30°	18°	30°		
50	408																											50	
55	399	385		368																								55	
60	376	371	262	356	308		304			266																		60	
65	353	350	258	343	299		295	258		258			238															65	
70	333	330	253	326	292	216	286	251		251	220		230	198		212			199									70	
75	309	311	248	308	284	212	277	245	174	243	214		223	192		205	177		192									75	
80	286	289	243	287	277	207	269	238	170	236	208	153	216	187		199	172		186	161		152		145				80	
85	266	269	240	266	269	203	262	232	167	229	203	150	209	183	137	192	167	128	180	156		148		141		135		85	
90	247	250	236	248	254	200	250	227	164	223	198	147	204	178	135	187	163	125	175	152		143		136		131		90	
95	231	234	232	232	237	196	235	222	161	217	193	144	198	174	132	182	159	123	169	148	116	139	109	132		127		95	
100	216	219	226	217	222	192	220	217	158	211	189	142	192	169	129	177	155	120	165	144	113	135	106	128	100	123	95.2	100	
105	202	205	214	203	208	189	206	210	155	204	185	139	188	165	127	172	151	118	160	140	111	132	104	125	97.8	120	93	105	
110	190	192	201	191	196	177	194	199	153	194	181	136	183	162	125	167	147	115	156	136	109	128	102	121	95.6	116	90.7	110	
115	178	181	189	179	184	173	182	187	150	182	177	134	178	158	122	163	144	113	151	133	107	125	99.4	118	93.6	113	88.7	115	
120	168	170	178	169	173	169	172	177	147	172	173	131	173	155	120	158	140	111	147	130	104	122	97.5	115	91.7	110	86.6	120	
125	158	160	168	159	163	164	162	167	145	162	167	129	165	151	118	155	137	109	143	127	103	119	95.7	112	89.6	107	84.5	125	
130	149	151	159	150	154	159	153	158	143	153	158	127	156	148	116	150	134	107	139	124	101	116	93.5	110	87.8	104	82.8	130	
135	140	142	149	142	146	152	145	149	141	145	150	125	148	145	114	145	132	105	136	121	98.6	113	91.8	107	86.2	101	80.9	135	
140	132	134	140	134	137	143	137	141	138	137	142	123	140	141	112	139	129	103	133	119	96.6	111	90	104	84.2	98.8	79.2	140	
145	123	125	131	126	129	135	129	133	133	130	134	121	133	135	110	132	126	101	129	116	95	108	88.3	102	82.5	96.2	77.6	145	
150	116	118	124	118	121	127	122	126	127	123	127	119	126	128	109	125	122	99.7	125	114	93.2	106	86.6	99.5	80.9	94	75.9	150	
155	109	111	116	111	114	119	115	118	121	116	120	117	119	122	107	119	118	97.9	119	111	91.7	103	85.4	97.1	79.4	91.9	74.4	155	
160	102	104	110	104	107	112	108	112	115	109	113	113	112	115	105	113	113	96.3	113	109	90.2	101	83.9	94.9	77.7	89.8	72.9	160	
165	96	97.4	103	98.1	101	106	102	105	109	103	107	110	106	109	103	107	108	94.8	108	106	88.7	99	82.4	92.7	76.3	87.8	71.5	165	
170	90.4	91.5	96.9	92.2	95.3	99.9	95.8	99.3	103	97.1	101	105	100	103	101	101	103	93.3	102	103	87.2	96.6	80.9	90.7	74.9	85.8	70.2	170	
175	84.8	86	91.3	86.8	89.5	94.2	90.4	93.6	97	91.5	95.3	98.6	94.8	96.6	97.7	95.5	97.9	91.6	97	99.2	85.8	94.2	79.6	88.6	73.6	83.9	68.9	175	
180	80	81	85.9	81.7	84.4	88.6	85	88.2	91.5	86.4	89.8	93.3	89.5	91.5	93.6	90.4	92.2	89.8	91.7	94.1	84.4	91.2	78.4	86.5	72.3	82	67.7	180	
185	75.2	76.1	81	77.1	79.4	83.5	80.2	83.3	86.4	81.3	84.8	88.2	84.7	86.3	89.5	85.3	87.4	87.4	86.9	89	83.1	87.5	77.2	84.1	71.1	80.1	66.4	185	
190	70.8	71.7	76.3	72.6	75.1	78.5	75.6	78.6	81.5	76.8	79.9	83.4	79.9	81.7	85	80.7	82.6	85	82	84.5	81.9	83.7	75.9	81.7	69.9	78.5	65.2	190	
195	66.7	67.4	72	68.4	70.8	74.2	71.5	74.3	76.9	72.3	75.5	78.7	75.6	77.1	80.6	76.1	78.1	81.3	77.7	80	80.7	79.8	74.7	79	68.8	76.8	64	195	
200	62.8	63.6	67.8	64.2	66.8	69.9	67.5	70.1	72.5	68.4	71.2	74.3	71.4	73	76.3	71.9	73.8	77.6	73.3	75.7	78.1	75.8	73.6	75.5	67.7	74.3	62.7	200	
205	59	59.8	64	60.6	63	66	63.7	66.2	68.5	64.5	67.4	70	67.5	69	72	67.9	69.7	73.6	69.4	71.6	74.8	71.9	71.8	71.9	66.6	71.1	61.7	205	
210	55.2	56	60.2	57	59.4	62.2	60.1	62.3	64.6	61	63.7	66.2	63.8	65.3	68.2	64.2	65.9	69.4	65.7	67.6	71.3	68.1	69.6	68.4	65.4	67.9	60.7	210	
215	51.9	52.5	56.4	53.4	55.8	58.8	56.7	59	60.8	57.4	60.2	62.5	60.3	61.7	64.4	60.8	62.3	65.7	62.2	64	67.6	64.4	67.1	64.9	64	64.7	59.7	215	
220	48.7	49.2	53	50	52.3	55.3	53.4	55.7	57.5	54.3	56.8	59.1	56.9	58.3	61	57.5	59	62.1	58.9	60.5	64	61	64.2	61.5	62.6	61.5	58.8	220	
225	45.7	46.3	49.8	46.8	49.1	51.9	50	52.4	54.2	51.2	53.6	55.7	53.8	54.9	57.6	54.3	55.7	58.8	55.7	57.3	60.7	57.6	61.3	58.4	60.8	58.4	57.8	225	
230	42.7	43.3	46.7	43.9	46	48.8	47	49.2	51	48.1	50.5	52.7	50.8	52	54.4	51.3	52.6	55.5	52.6	54.1	57.5	54.5	58.1	55.3	59.1	55.3	56.8	230	
235	39.9	40.3	43.7	41.1	43.2	45.8	44	46.2	47.9	45	47.3	49.6	47.9	49	51.3	48.5	49.7	52.4	49.6	51.2	54.4	51.5	54.9	52.3	56.2	52.3	55.6	235	
240	37.3	37.8	40.8	38.3	40.4	42.9	41.3	43.4	44.9	42.3	44.4	46.5	44.9	46.1	48.4	45.6	46.9	49.4	47	48.3	51.3	48.7	52	49.4	53.2	49.5	53.3	240	
245	34.8	35.2	38.1	35.7	37.6	40.1	38.6	40.7	42.2	39.6	41.6	43.7	42.2	43.2	45.6	42.7	44.1	46.6	44.3	45.7	48.5	45.8	49.1	46.6	50.4	46.7	50.5	245	
250	32.3	32.8	35.6	33.3	35.1	37.4	35.9	38.1	39.5	37.1	39.2	40.9	39.5	40.6	42.7	40	41.3	43.9	41.6	43.1	45.5	43.1	46.4	43.9	47.6	43.7	47.9	250	
255	29.9	30.3	33.1	31.1	32.8	34.9	33.6	35.5	36.8	34.6	36.7	38.4	37.2	38.1	40.1	37.6	38.7	41.2	39	40.5	42.5	40.3	43.7	41.3	44.6	40.7	45.3	255	
260	27.8	28.1	30.6	28.8	30.4	32.5	31.4	33.2	34.3	32.2	34.2	35.9	34.7	35.7	37.5	35.3	36.3	38.5	36.7	37.9	40	38.2	41.1	38.7	41.5	38.5	42.6	260	
265	25.7	26	28.4	26.6	28.1	30.1	29.2	31	32	30.1	32	33.3	32.3	33.3	35.														



 ft	SL 295 ft																												 ft
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			F 79 ft			F 89 ft			F 98 ft			F 108 ft		F 118 ft		F 128 ft			
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	18°	30°	18°	30°	18°	30°		
50	329																											50	
55	323	303			286																							55	
60	317	297			281	262		254																				60	
65	311	292	249		275	258		250	232			229			213													65	
70	306	287	244		270	253	212	245	228			224	208		209			195				185						70	
75	300	282	240		266	249	208	240	224	172		220	204		205	185		191				181						75	
80	282	277	237		261	245	205	236	220	169		216	200	152	201	180		187	164		177	154						80	
85	263	265	233		256	241	202	231	216	166		212	196	149	197	176	136	183	160		172	149			141		134	128	85
90	245	248	229	244	237	198		227	213	163		208	191	146	193	171	133	179	157	123	167	146		137		130	125	90	
95	229	231	225		229	232	195	223	209	160		204	187	143	188	167	131	174	153	121	163	142	111	133		127		121	95
100	214	217	220		215	220	192	215	205	158		199	183	141	184	163	129	170	149	118	158	138	109	130	102	123	95.8	118	100
105	201	203	210		202	207	186	205	201	155		195	179	138	181	160	126	166	145	116	154	135	107	127	99.9	120	93.7	114	105
110	189	191	198		189	194	175	193	194	153		189	175	136	176	157	124	161	142	114	150	132	105	123	97.6	117	91.6	111	110
115	177	179	186		178	183	173	181	184	150		181	172	133	173	153	122	157	139	112	146	129	103	120	95.6	114	89.7	108	115
120	167	169	175		168	172	170	171	174	148		171	168	131	168	150	120	153	136	110	142	126	101	117	93.8	111	87.9	106	120
125	157	159	165		158	163	166	162	164	145		162	164	129	162	147	118	150	133	108	139	123	99.7	115	92	108	86.1	103	125
130	149	150	156		149	154	158	153	155	143		153	156	127	153	144	116	146	131	106	135	120	97.8	112	90.3	106	84.4	100	130
135	141	142	148		141	145	150	144	147	141		145	147	126	145	141	114	142	128	105	132	118	95.9	110	88.6	103	82.7	98	135
140	133	134	140		134	138	142	137	139	139		137	139	124	137	137	112	137	125	103	129	115	94.4	107	87	101	81.1	95.6	140
145	125	127	132		127	130	134	130	132	136		130	132	122	130	132	111	130	123	102	126	113	93	105	85.5	98.6	79.6	93.1	145
150	118	119	124		119	123	127	123	125	129		123	125	120	123	126	109	123	120	99.8	123	111	91.4	103	84.1	96.2	78.2	91	150
155	111	112	117		113	116	120	116	118	122		117	119	117	117	120	107	117	117	98.3	117	109	90	101	82.7	94.3	76.8	89	155
160	104	106	110		106	109	112	110	112	116		111	113	113	111	114	106	111	113	96.9	111	106	88.7	98.6	81.2	92.3	75.4	87.1	160
165	98	99.3	104		99.8	103	106	103	105	109		105	107	109	106	108	104	106	108	95.5	106	103	87.3	96.6	79.8	90.4	74	85.1	165
170	92.3	93.5	97.6		93.9	97.1	99.8	97.6	99.1	103		98.8	101	104	100	102	101	100	103	94	101	100	85.9	94.7	78.4	88.5	72.8	83.3	170
175	86.7	87.9	92		88.6	91.5	94.4	92.2	93.8	97.2		93.4	95.1	99	94.6	97	98.3	95	97.5	92.6	95.8	96.7	84.6	92.6	77.1	86.7	71.6	81.5	175
180	81.8	82.7	86.5		83.2	86.4	88.9	87	88.5	91.8		88.3	90	93.6	89.4	91.6	95.3	90	92.4	90.6	91.1	93.2	83.4	90.4	75.9	84.7	70.5	79.8	180
185	77	77.8	81.6		78.5	81.3	84	82	83.6	86.7		83.4	85.1	88.2	84.7	86.6	90.5	85.2	87.4	88.6	86.4	88.9	81.9	88.1	74.9	82.8	69.3	78	185
190	72.6	73.4	76.7		73.8	76.8	79	77.3	78.8	81.8		78.8	80.4	83.6	80	81.9	85.4	80.6	82.6	85.3	81.9	84.2	80.4	83.9	73.9	80.7	68.1	76.2	190
195	68.4	69.2	72.5		69.7	72.4	74.6	73	74.4	77.1		74.2	75.9	79	75.7	77.4	80.9	76.1	78.2	81.4	77.5	79.6	78.6	79.6	72.8	77.7	67	74.2	195
200	64.5	65.3	68.3		65.7	68.5	70.2	68.8	70.1	72.7		70.1	71.6	74.7	71.3	73.2	76.5	71.9	73.8	77.4	73.1	75.3	76.4	75.3	71.7	74.7	65.9	72.1	200
205	60.7	61.4	64.4		62	64.5	66.4	65.1	66.2	68.6		65.9	67.6	70.4	67.4	69	72.3	67.8	69.9	73.2	69.3	70.9	74	71.3	70.6	71.3	64.9	69.9	205
210	57.3	57.9	60.6		58.3	60.9	62.7	61.4	62.6	64.7		62.4	63.6	66.5	63.5	65.3	68.3	64.1	65.9	69	65.4	67.4	70.5	67.2	69.5	67.7	63.9	66.9	210
215	53.9	54.4	57.2		55	57.3	59.1	58	59.1	61.2		58.9	60.2	62.6	60	61.5	64.5	60.5	62.4	65.7	62	63.9	66.9	63.9	66.8	64.1	62.9	63.8	215
220	50.5	51	53.8		51.8	54.1	55.7	54.7	55.7	57.8		55.6	56.8	59.2	56.7	58.1	60.9	57.1	59	62.3	58.7	60.6	63.7	60.6	64	61.1	61.3	60.8	220
225	47.3	47.7	50.4		48.6	50.9	52.6	51.7	52.6	54.5		52.4	53.6	55.8	53.5	54.8	57.5	54	55.8	59	55.5	57.3	60.6	57.5	61	58	59.5	57.7	225
230	44.3	44.7	47.3		45.4	47.8	49.4	48.7	49.6	51.4		49.5	50.4	52.7	50.5	51.7	54.3	50.9	52.6	55.6	52.4	54.2	57.5	54.4	58.1	55	57.5	54.6	230
235	41.5	41.8	44.3		42.6	44.8	46.3	45.6	46.6	48.4		46.6	47.6	49.6	47.6	48.7	51.2	48	49.5	52.5	49.4	51.2	54.4	51.4	55.1	52	55.1	51.8	235
240	38.7	39.1	41.5		39.8	41.9	43.3	42.8	43.6	45.5		43.8	44.8	46.8	45	46	48.3	45.1	46.6	49.5	46.6	48.3	51.4	48.6	52.2	49.1	52.8	48.9	240
245	35.9	36.5	38.8		37.3	39.3	40.5	40.1	40.9	42.5		40.9	42	44	42.4	43.4	45.4	42.4	43.8	46.6	43.7	45.6	48.5	45.8	49.2	46.5	50	46	245
250	33.4	33.9	36.1		34.8	36.7	38	37.6	38.2	39.8		38.4	39.2	41.3	39.7	40.8	42.5	39.7	41.1	43.7	41.2	42.8	45.6	42.9	46.5	43.8	47.3	43	250
255	31.1	31.6	33.7		32.2	34.2	35.4	35.2	35.8	37.2		35.8	36.7	38.6	37.2	38.3	39.8	37.5	38.6	41.1	38.6	40.3	42.6	40	43.8	41.1	44.3	39.9	255
260	29	29.4	31.3		30	31.8	32.9	32.8	33.4	34.8		33.6	34.3	36.1	34.8	35.8	37.6	35.2	36.3	38.5	36.4	37.7	39.7	37.8	41	38.3	41.1	37.9	260
265	26.8	27.2	29.1		27.9	29.6	30.6	30.4	31	32.4		31.3	32.1	33.7	32.5	33.4	35.4	32.9	34	36.2	34.2								



 ft	SL 315 ft																								 ft
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			F 79 ft			F 89 ft			F 98 ft			F 108 ft			
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	18°	30°		
55	293																							55	
60	287	269		256																				60	
65	281	263	235	250	234		226			207														65	
70	275	258	231	245	229	203	221	206		202	187		187			175								70	
75	269	253	227	239	224	199	216	202	171	197	183		183			171			162					75	
80	262	248	224	234	220	196	211	197	168	193	180		179	166		167	154		158					80	
85	253	243	220	229	216	193	207	194	165	189	176	147	175	162		163	151		155	143		135		85	
90	236	236	216	224	211	190	202	190	162	185	172	145	171	159	132	160	148		151	140		132		90	
95	220	223	212	220	207	186	198	186	160	181	169	142	167	156	130	156	145	120	148	137		129		95	
100	206	209	208	209	203	183	194	182	157	177	166	140	164	152	128	153	142	118	144	134	108	126	101	100	
105	193	195	201	196	197	179	190	179	155	173	162	138	160	150	126	149	139	116	141	131	107	124	98.8	105	
110	181	183	191	184	187	176	183	175	152	169	159	136	157	147	123	146	136	114	138	128	105	121	97.1	110	
115	170	172	179	173	176	173	174	171	150	166	156	133	153	144	121	143	134	112	135	126	103	119	95.2	115	
120	160	162	169	163	166	170	164	166	148	162	153	131	150	141	119	140	131	110	132	123	101	116	93.2	120	
125	150	152	159	154	156	161	155	158	146	155	150	129	147	138	118	137	128	108	129	121	99	114	91.6	125	
130	142	143	150	145	147	152	146	149	144	146	147	128	144	136	116	134	126	106	126	118	97.3	111	90.1	130	
135	134	135	141	137	139	143	138	140	141	138	141	126	139	133	114	131	123	105	124	116	95.8	109	88.4	135	
140	126	128	133	129	131	135	130	133	138	131	133	124	131	130	112	128	121	103	121	114	94.2	107	86.8	140	
145	119	121	126	122	124	128	123	126	130	124	126	122	124	126	111	123	119	102	119	111	92.7	105	85.3	145	
150	112	114	119	116	117	121	117	119	123	117	119	120	118	120	109	117	116	100	115	109	91.3	103	83.9	150	
155	106	108	113	109	111	115	111	112	117	111	113	116	111	114	108	111	113	98.6	111	107	90.1	101	82.6	155	
160	100	102	106	103	105	109	105	107	110	105	107	112	105	108	106	105	108	97.3	106	105	88.7	98.6	81.4	160	
165	94.3	95.7	100	97.5	99.3	103	99.1	101	105	99.5	102	106	100	102	104	99.6	102	95.9	100	102	87.3	96.5	80	165	
170	88.5	90	93.9	92	93.7	96.8	93.9	95.5	99.3	94.2	96.2	100	94.8	97.1	101	94.7	97	94.5	95.1	97.9	86.1	94.1	78.8	170	
175	83.2	84.3	88.5	86.7	88.4	91	88.6	90.3	93.8	89.3	91.1	95.2	89.8	92.1	96.3	89.7	92.1	92.3	90.4	92.9	84.9	91.2	77.6	175	
180	78.1	79.3	83.1	81.5	83.2	85.7	83.6	85.2	88.6	84.4	86.3	90.2	85.2	87.2	91.6	85	87.4	89.3	85.7	88.3	83.6	87.6	76.5	180	
185	73.2	74.1	78.3	76.8	78.2	80.7	78.6	80.3	83.3	79.7	81.4	85.3	80.6	82.8	86.9	80.6	82.8	85.9	81.3	83.8	81.9	83.4	75.4	185	
190	68.7	69.7	73.4	72	73.5	75.9	74	75.5	78.7	75.1	77	80.4	76.3	78.3	82.2	76.3	78.6	82.3	77.2	79.4	80	79.1	74.3	190	
195	64.4	65.3	69.1	67.8	69	71.4	69.5	71.1	74	70.7	72.5	75.7	72	74	77.6	72.3	74.4	78.6	73	75.4	77.8	75.1	73.1	195	
200	60.5	61.3	64.9	63.6	64.9	67	65.3	66.6	69.7	66.5	68.3	71.4	67.8	69.6	73	68.3	70.4	74.1	69.3	71.3	75.6	71.2	71.8	200	
205	56.6	57.4	61.1	59.7	60.8	63.1	61.5	62.8	65.4	62.4	64.2	67.1	63.8	65.6	69.1	64.5	66.5	69.7	65.6	67.6	71.7	67.4	70.5	205	
210	53	53.8	57.3	56	57.1	59.2	57.7	59	61.5	58.8	60.3	63.2	59.9	61.7	65.1	60.9	62.7	66	62	64	67.6	64	67.6	210	
215	49.5	50.2	53.7	52.5	53.5	55.6	54.3	55.5	57.9	55.2	56.7	59.3	56.4	58	61.4	57.2	59.1	62.5	58.6	60.5	64	60.7	64.3	215	
220	46.4	47	50.2	49.1	50.1	52	50.8	52	54.3	52	53.2	55.9	52.9	54.6	57.7	53.9	55.6	59.1	55.1	57.2	60.8	57.4	61.2	220	
225	43.3	44	47.1	46	46.8	48.7	47.6	48.8	51	48.7	50	52.4	49.8	51.2	54.3	50.6	52.3	55.8	51.9	53.9	57.5	54.2	58.1	225	
230	40.2	41	44	43.1	43.9	45.5	44.5	45.6	47.8	45.7	46.8	49.3	46.8	48.2	51	47.5	49	52.4	48.7	50.8	54.4	51	55.1	230	
235	37.2	37.9	40.9	40.2	41	42.7	41.8	42.6	44.7	42.7	43.9	46.2	43.8	45.2	47.9	44.6	45.8	49.3	45.6	47.7	51.2	48	52	235	
240	34.6	35.2	37.9	37.3	38.2	39.9	39.1	40	41.7	40	40.8	43.3	41	42.3	45	41.7	42.7	46.1	42.5	44.7	48.2	45.1	49	240	
245	32	32.5	35.2	34.6	35.4	37.1	36.4	37.3	39.1	37.4	38.3	40.4	38.3	39.6	42.1	39	39.8	43.1	39.6	41.7	45.2	42.2	45.9	245	
250	29.6	30.2	32.6	32	32.8	34.4	33.6	34.6	36.4	34.8	35.8	37.8	35.9	37	39.4	36.3	37.6	40.1	37.4	38.7	42.3	39.5	42.6	250	
255	27.3	27.8	30.2	29.7	30.3	31.8	31.2	32	33.8	32.2	33.3	35.3	33.5	34.6	36.7	34	35.3	37.5	35.2	36.5	39.5	36.7	39.3	255	
260	24.9	25.5	27.8	27.4	28	29.4	28.8	29.6	31.2	29.8	30.7	32.8	31	32.2	34.4	31.6	33	35.3	33.1	34.3	36.8	34.5	37.2	260	
265	22.8	23.2	25.4	25.1	25.7	27	26.7	27.4	28.8	27.5	28.4	30.2	28.6	29.8	32	29.3	30.7	33.1	30.9	32.2	34.6	32.2	35.1	265	
270	20.7	21.1	23.3	22.8	23.4	24.7	24.5	25.2	26.6	25.4	26.1	27.9	26.5	27.5	29.6	27	28.4	30.8	28.7	30	32.5	30.1	33	270	
275	18.7	19.1	21.2	20.9	21.4	22.4	22.3	23	24.4	23.3	24.1	25.6	24.3	25.3	27.2	24.9	26.1	28.5	26.5	27.9	30.4	28.1	30.7	275	
280	16.7	17.1	19.1	19	19.4	20.4	20.3	20.9	22.2	21.3	22.1	23.6	22.4	23.2	25.1	22.8	24	26.2	24.4	25.7	28.2	26	28.6	280	
285	14.7	15.1	17.1	17.1	17.5	18.4	18.5	19	20.1	19.3	20.1	21.6	20.5	21.4	23	20.9	21.9	24	22.4	23.6	26.1	24	26.7	285	
290	13.1	13.4	15.1	15.2	15.7	16.5	16.7	17.2	18.2	17.5	18.1	19.6	18.6	19.5	21.1	19.1	20	22	20.5	21.7	24	22	24.7	290	
295	11.4	11.7	13.4	13.4	13.8	14.6	14.9	15.4	16.4	15.7	16.4	17.6	16.7	17.6	19.2	17.3	18.2	20.1	18.7	19.8	22.1	20.2	22.7	295	
300			11.6	11.8	12.1	12.8	13.2	13.7	14.6	14	14.6	15.8	15	15.8	17.3	15.5	16.4	18.2	17	18.1	20.1	18.3	20.8	300	
305					11.1	11.6	11.9	12.9	12.3	12.9	14.1	13.4	14.1	15.5	13.8	14.6	16.4</								

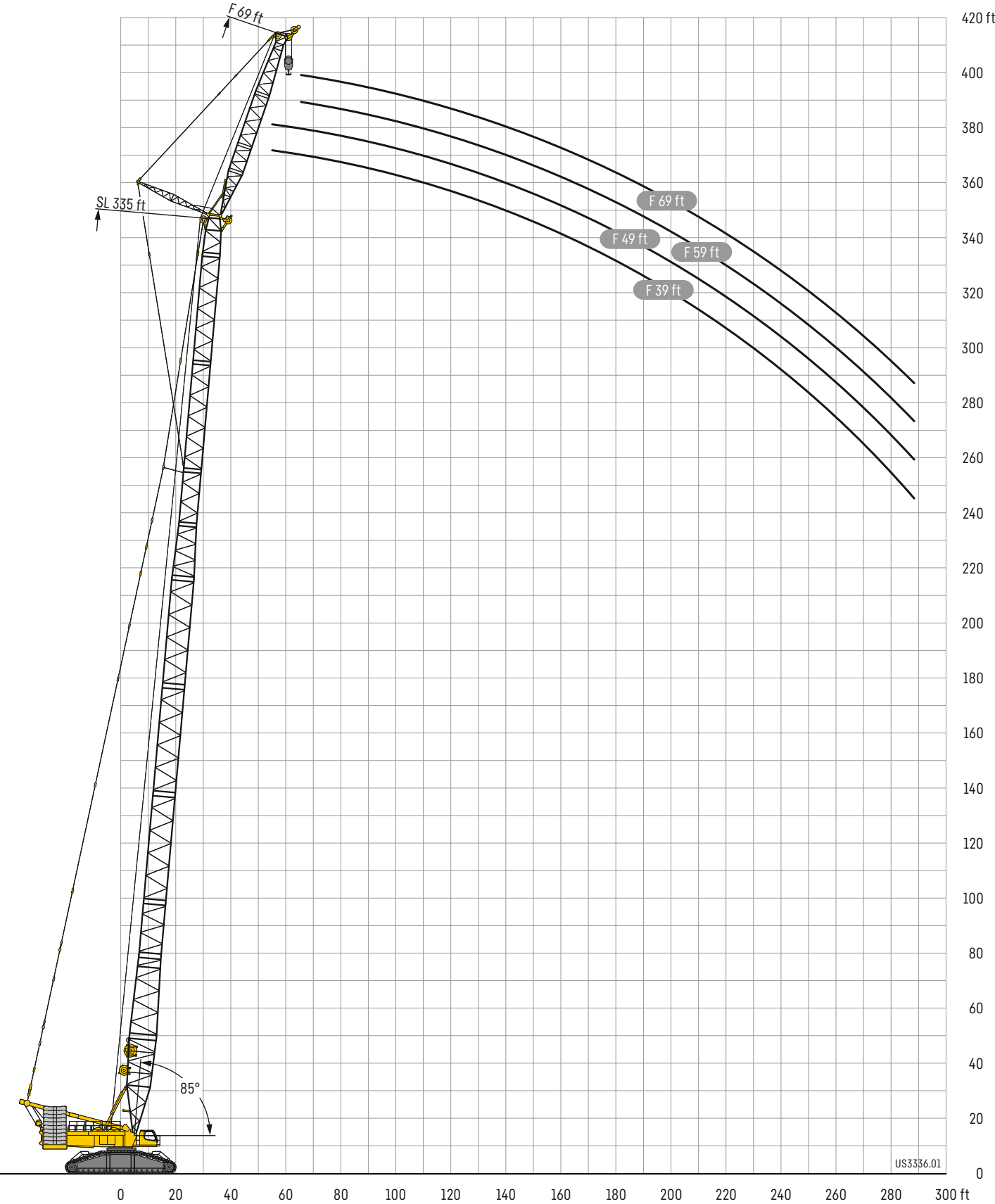


	SL 335 ft												
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	
55	264												55
60	259	245		233									60
65	254	241	217	229	215		207						65
70	249	237	214	224	211		203	191		186			70
75	244	232	211	220	207	186	199	188		183	171		75
80	239	228	207	216	203	183	196	184	164	179	168		80
85	235	224	204	211	200	180	192	181	162	176	165		85
90	228	220	201	207	196	177	188	177	159	172	162	144	90
95	214	214	197	203	192	174	184	174	156	169	159	142	95
100	200	205	194	198	188	171	181	171	153	166	156	139	100
105	187	192	190	189	184	168	177	167	151	162	153	137	105
110	175	180	184	179	180	165	173	164	148	159	150	135	110
115	165	169	174	168	171	162	167	161	146	156	147	132	115
120	155	159	164	158	161	159	159	157	143	152	144	130	120
125	145	150	154	149	151	156	150	152	141	148	141	128	125
130	137	141	145	140	143	147	141	144	139	142	138	126	130
135	129	133	137	132	134	139	134	136	136	134	136	124	135
140	121	125	129	125	127	131	126	128	132	126	129	122	140
145	114	118	122	118	120	124	119	121	126	119	122	120	145
150	108	112	115	111	113	117	112	115	119	113	115	118	150
155	102	106	109	105	107	111	106	108	113	107	109	113	155
160	95.9	99.6	103	99.4	101	104	101	102	107	101	103	108	160
165	90.5	94.2	97	93.7	95.4	98.9	95.1	97	101	95.4	97.5	102	165
170	85.2	88.9	91.7	88.7	90.2	93.5	89.7	91.7	95.4	90.3	92.3	96.5	170
175	80.4	83.7	86.5	83.6	85.2	88.3	85	86.6	90.4	85.2	87.4	91.4	175
180	75.6	78.7	81.4	78.9	80.3	83.4	80.2	82	85.4	80.7	82.5	86.6	180
185	71	73.8	76.4	74.4	75.8	78.5	75.8	77.4	80.8	76.3	78.1	82	185
190	66.4	69.2	71.6	69.9	71.2	74	71.6	73.1	76.4	72	73.8	77.5	190
195	62.1	64.5	67.1	65.6	66.9	69.5	67.3	69	72.1	68.1	69.7	73.3	195
200	58	60.6	62.7	61.4	62.7	65.3	63.3	64.9	67.9	64.1	65.9	69.1	200
205	54.1	56.6	58.8	57.5	58.7	61.2	59.3	60.9	63.7	60.4	62	65.2	205
210	50.6	53	54.8	53.7	54.8	57.2	55.6	56.8	59.8	56.6	58.3	61.4	210
215	47.2	49.5	51.3	50.3	51.1	53.5	52	53.3	56	53	54.6	57.7	215
220	44	46.2	47.9	47	47.9	49.9	48.6	49.7	52.4	49.6	51.1	54.1	220
225	40.7	43	44.7	43.9	44.7	46.7	45.4	46.5	48.9	46.1	47.7	50.6	225
230	37.9	40	41.5	40.9	41.8	43.6	42.3	43.4	45.6	43.2	44.5	47.4	230
235	35.1	37.3	38.7	38	38.8	40.7	39.5	40.5	42.6	40.2	41.6	44.1	235
240	32.3	34.5	35.9	35.3	36.1	37.7	36.6	37.7	39.7	37.4	38.6	41.2	240
245	29.5	31.8	33.2	32.6	33.5	35.1	34.1	34.9	36.9	34.7	36	38.3	245
250	27	29.2	30.5	30	30.8	32.5	31.6	32.5	34.2	32.2	33.3	35.6	250
255	24.6	26.7	28	27.4	28.2	29.9	29.1	30	31.8	29.9	30.9	33	255
260	22.4	24.4	25.5	25	25.8	27.2	26.6	27.6	29.4	27.6	28.6	30.5	260
265	20.3	22.3	23.3	22.7	23.4	24.9	24.3	25.1	26.9	25.4	26.4	28.3	265
270	18.2	20.1	21.2	20.7	21.3	22.5	22.1	22.9	24.5	23.1	24.1	26	270
275	16.1	18	19	18.7	19.3	20.5	20.1	20.7	22.3	21	21.9	23.8	275
280	14.2	16	16.9	16.7	17.3	18.4	18.2	18.8	20.1	18.9	19.9	21.6	280
285	12.4	14.1	15	14.7	15.2	16.4	16.3	16.9	18.2	17.1	17.9	19.5	285
290		12.4	13.2	13	13.5	14.4	14.4	15.1	16.3	15.2	16	17.5	290
295			11.3	11.2	11.7	12.6	12.6	13.2	14.4	13.4	14.2	15.7	295
300								11.5	12.6	11.6	12.3	13.8	300
305												12	305

Lifting heights

Hauteurs de levage

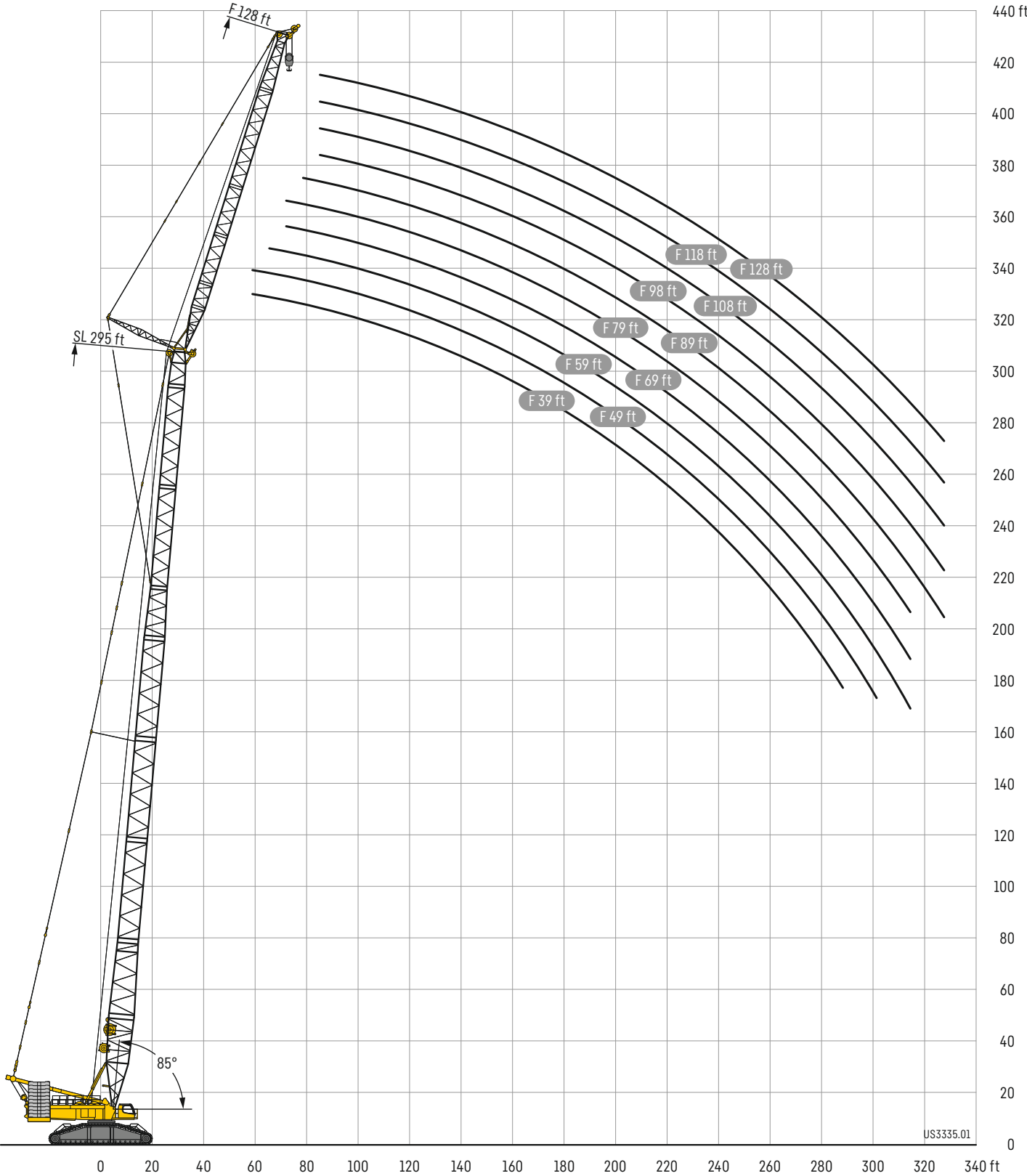
SLF



Lifting heights

Hauteurs de levage

SLF

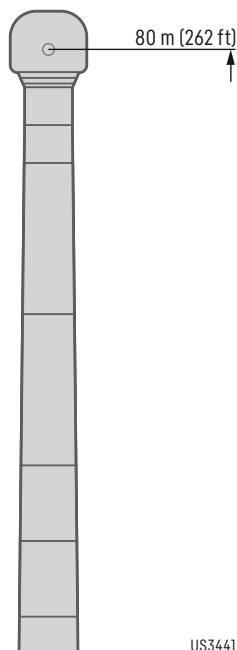


HSL3AF

HSL3 266 – 315 ft

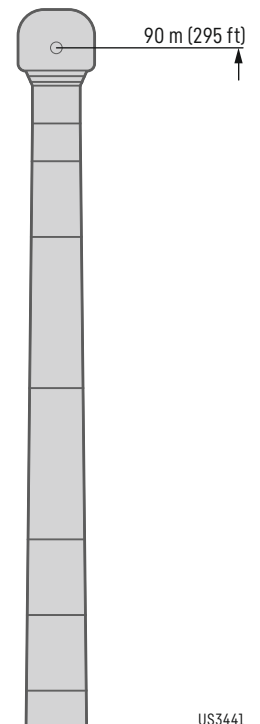


	HSL3A 266 ft			HSL3A 276 ft		
	F 39 ft	F 49 ft	F 59 ft	F 39 ft	F 49 ft	F 59 ft
	12°					
50	408			408		
55	408	376		408	377	
60	408	363	310	408	364	312
65	392	351	300	389	353	302
70	362	340	291	358	342	291
75	335	329	282	331	330	283
80	310	312	273	308	307	275
85	289	291	265	286	286	267
90	270	272	258	267	267	259
95	252	255	251	250	250	250
100	236	239	240	234	235	237
105	220	223	226	219	220	223
110	204	208	212	204	206	210
115	191	194	198	190	192	196
120	179	182	186	178	179	184
125	167	171	174	167	168	172
130	157	160	164	157	158	162
135	147	151	154	146	149	152
140	138	141	145	138	139	143
145	130	133	137	129	131	135
150	122	125	129	122	123	127
155	115	118	122	115	116	120
160	108	112	115	108	110	113
165	102	105	109	102	104	107
170	96.6	99.6	103	96	97.6	101
175	91.4	94.1	97.4	90.4	92.1	95.5
180	86.4	89.1	92.3	85.6	86.9	90.2
185	81.7	84.3	87.3	80.9	82.2	85.4
190	77.4	79.9	82.9	76.4	77.6	80.7
195	73.3	75.6	78.6	72.3	73.5	76.5
200	69.2	71.8	74.5	68.4	69.3	72.4
205	65.3	68	70.8	64.6	65.8	68.6
210	61.7	64.2	67.2	60.8	62.2	64.9
215	58.4	60.8	63.7	57.4	58.6	61.6
220	55.2	57.4	60.2	54.1	55.3	58.3
225	52	54.4	57.1	51.1	52.1	54.9
230	49.2	51.4	54	48.1	49.2	51.9
235	46.4	48.4	51.2	45.2	46.4	49
240	43.8	45.8	48.4	42.6	43.6	46.4
245	41.2	43.3	45.7	40.1	41	43.7
250	38.8	40.8	43.3	37.5	38.6	41
255	36.6	38.3	40.9	35	36.3	38.7
260	34.4	36.1	38.6	33	33.9	36.4
265	32.2	34	36.4	30.9	31.7	34.2
270	30.3	32	34.3	28.8	29.7	32
275		29.9	32.3	26.9	27.8	29.9
280		28.1	30.2		25.8	28.1
285			28.3		24	26.2
290			26.5			24.3
295						22.6



US3441

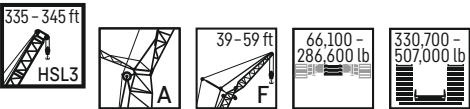
	HSL3A 305 ft			HSL3A 315 ft		
	F 39 ft	F 49 ft	F 59 ft	F 39 ft	F 49 ft	F 59 ft
	12°					
55	408			408		
60	400	367		395	367	
65	367	356	304	364	357	304
70	338	339	295	335	335	296
75	312	315	287	310	310	287
80	289	292	279	287	288	280
85	269	272	271	267	267	270
90	251	254	257	249	249	253
95	234	237	240	233	233	236
100	219	222	225	218	218	222
105	205	208	211	204	205	208
110	193	196	199	192	192	196
115	181	184	188	180	181	184
120	169	173	177	169	170	174
125	158	162	166	158	160	164
130	148	151	156	148	150	154
135	138	142	146	138	140	144
140	130	133	137	130	131	135
145	121	125	129	121	123	127
150	113	117	121	113	116	120
155	106	110	114	106	108	113
160	99.7	103	107	99.5	102	106
165	93.7	96.9	101	93.5	95.3	99.2
170	87.9	91.4	94.8	87.8	89.4	93.4
175	82.5	85.8	89.5	82.4	84.1	87.7
180	77.3	80.8	84.3	77.3	78.9	82.7
185	72.5	75.7	79.4	72.4	74.2	77.7
190	68	71.2	74.7	67.9	69.4	73.2
195	63.9	66.8	70.3	63.6	65.2	68.6
200	59.9	62.9	66.2	59.7	61	64.5
205	56.1	59	62.2	55.9	57.3	60.6
210	52.5	55.4	58.7	52.3	53.6	56.9
215	49.3	51.9	55.1	48.8	50.2	53.5
220	46.1	48.7	51.8	45.8	46.8	50.1
225	42.9	45.7	48.6	42.8	43.8	46.9
230	39.9	42.7	45.7	39.8	41	43.8
235	37.1	39.7	42.9	36.8	38.1	41.2
240	34.5	37	40.1	34.1	35.3	38.5
245	32	34.3	37.3	31.5	32.7	35.8
250	29.5	31.9	34.7	29.1	30.1	33.1
255	27.1	29.6	32.3	26.8	27.8	30.7
260	25	27.3	30.1	24.4	25.6	28.3
265	22.9	25.1	27.9	22.3	23.4	26.2
270	20.9	23	25.6	20.2	21.1	24
275	18.9	21.1	23.6	18.3	19.2	21.9
280	17	19.2	21.7	16.4	17.3	19.9
285	15.3	17.2	19.8	14.4	15.5	18.1
290	13.7	15.5	18	12.8	13.8	16.3
295	12	13.9	16.1	11.2	12	14.5
300		12.2	14.5			12.8
305			13			11.2
310			11.4			



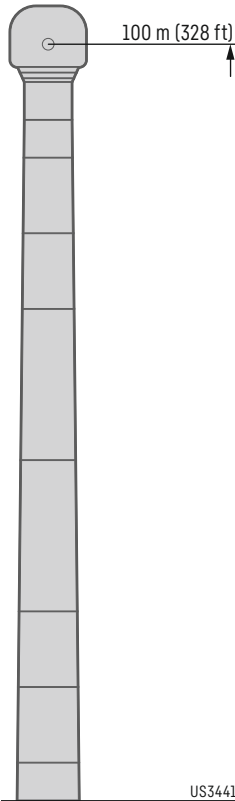
US3441

HSL3AF

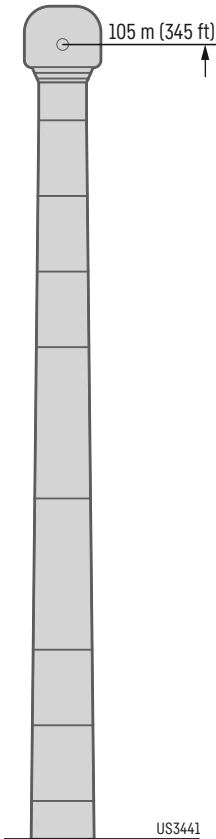
HSL3 335 – 345 ft



 ft	HSL3A 335 ft		
	F 39 ft	F 49 ft	F 59 ft
	12°		
60	379		
65	350	344	
70	322	326	291
75	298	301	283
80	276	279	276
85	256	260	260
90	239	242	243
95	222	226	227
100	208	212	213
105	195	198	199
110	183	186	187
115	171	175	176
120	161	164	166
125	151	155	156
130	142	146	147
135	133	137	139
140	125	129	131
145	117	121	123
150	109	113	115
155	102	106	108
160	95.1	99.4	102
165	88.9	92.8	95.2
170	82.9	87	88.9
175	77.8	81.3	83.6
180	72.5	76.3	78.2
185	67.8	71.4	73.3
190	63.1	66.8	68.8
195	58.8	62.4	64.3
200	54.8	58.1	60.2
205	50.9	54.3	56.1
210	47.3	50.5	52.4
215	43.8	47.1	48.8
220	40.5	43.7	45.4
225	37.3	40.5	42.3
230	34.6	37.4	39.2
235	31.9	34.6	36.3
240	29.2	32	33.4
245	26.4	29.4	31
250	24	26.9	28.5
255	21.6	24.4	26.1
260	19.4	22.1	23.7
265	17.3	19.8	21.4
270	15.2	17.8	19.2
275	13.1	15.8	17.2
280	11.2	13.7	15.2
285		11.8	13.3
290			11.3



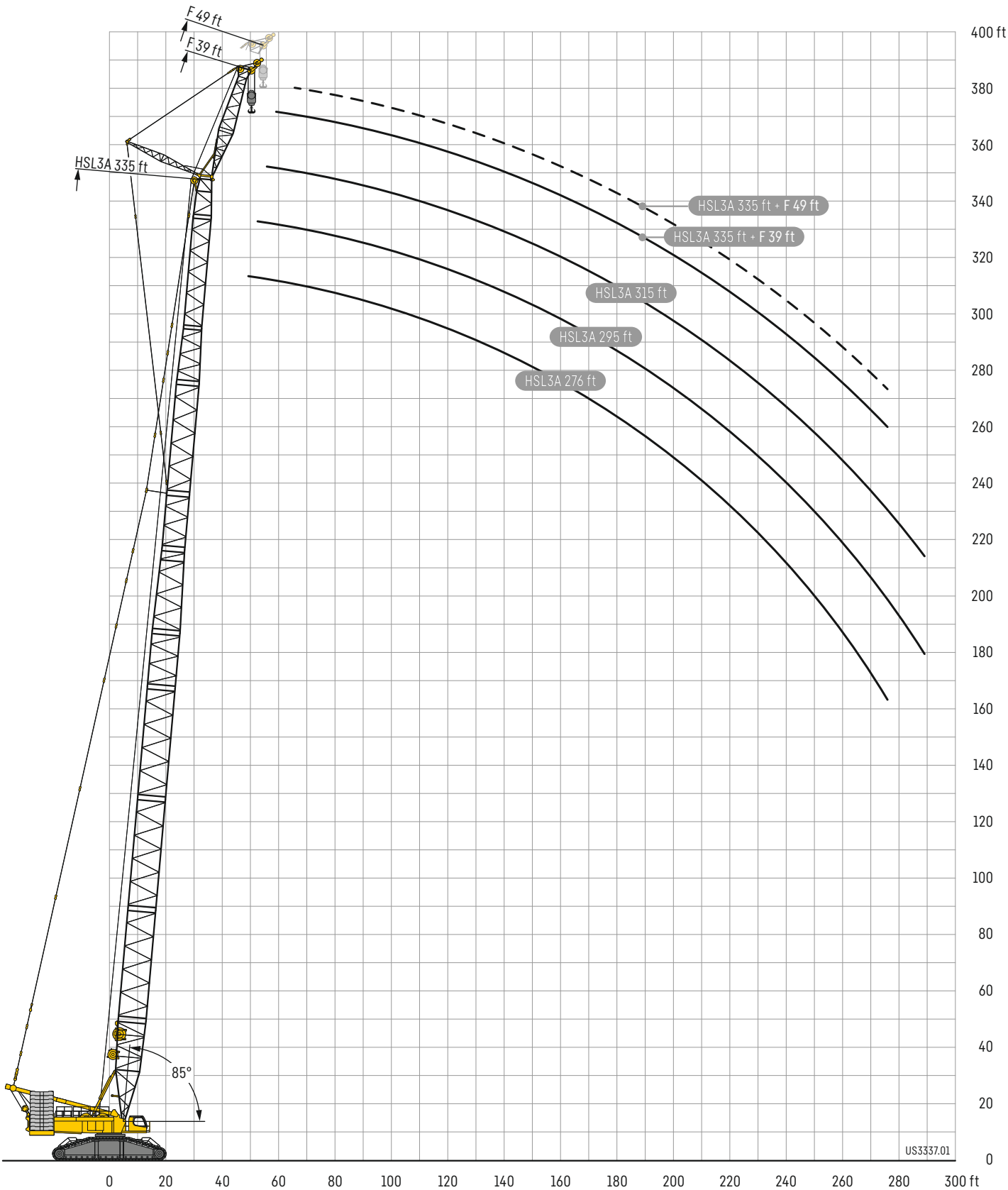
 ft	HSL3A 345 ft	
	F 39 ft	F 49 ft
	12°	
60	359	
65	344	332
70	319	321
75	295	298
80	273	277
85	254	257
90	236	240
95	221	224
100	206	210
105	193	197
110	181	184
115	170	173
120	159	163
125	150	153
130	141	144
135	132	136
140	123	127
145	115	119
150	108	112
155	101	105
160	93.9	98.4
165	87.9	91.9
170	82.1	86
175	76.6	80.6
180	71.7	75.2
185	66.7	70.5
190	62.3	65.9
195	57.8	61.5
200	53.8	57.4
205	50	53.3
210	46.3	49.7
215	43	46.1
220	39.7	42.9
225	36.6	39.8
230	33.6	36.8
235	31	33.9
240	28.4	31.1
245	25.9	28.7
250	23.3	26.2
255	20.9	23.8
260	18.6	21.4
265	16.5	19.2
270	14.5	16.9
275	12.5	15
280		13.1



Lifting heights

Hauteurs de levage

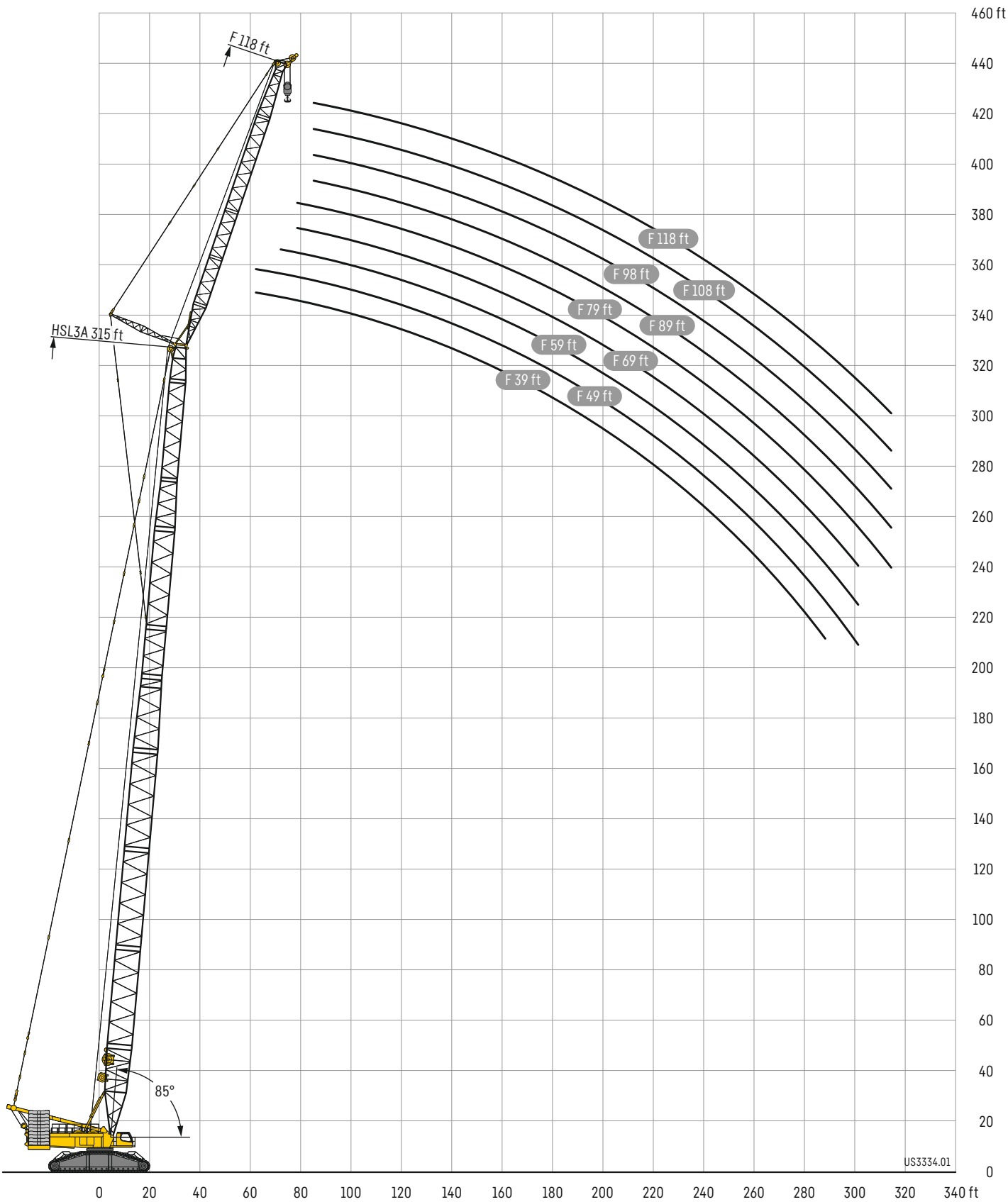
HSL3AF



Lifting heights

Hauteurs de levage

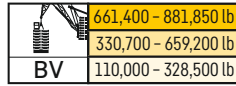
HSL3AF



US3334.01

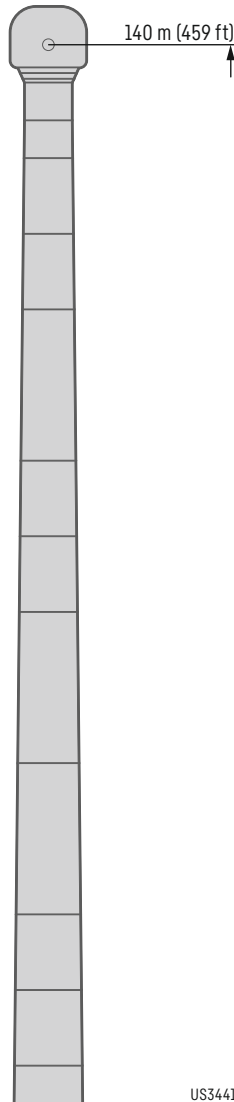
HSL2AZDFBV

HSL2 472 – 502 ft



ft	HSL2 472 ft		
	F 39 ft	F 49 ft	F 59 ft
75	361		
80	358	320	
85	356	320	274
90	352	318	269
95	348	314	263
100	343	309	258
105	338	304	254
110	333	299	249
115	328	294	244
120	322	289	240
125	317	284	236
130	310	279	232
135	304	274	228
140	298	270	224
145	292	266	221
150	286	261	217
155	280	256	214
160	274	251	211
165	269	246	208
170	264	241	204
175	258	236	202
180	253	232	199
185	248	227	196
190	243	223	193
195	238	218	191
200	233	214	188
205	229	210	186
210	224	206	183
215	220	202	181
220	216	199	179
225	212	195	176
230	207	192	174
235	203	188	172
240	199	185	170
245	195	182	167
250	191	179	165
255	187	176	162
260	182	173	160
265	178	170	157
270	174	167	155
275	169	165	152
280	164	162	150
285	160	159	148
290	155	155	145
295	150	152	143
300	146	148	141
305	142	144	139
310	138	140	137
315	134	137	135
320	130	133	132
325	126	129	129
330	122	125	125
335	118	122	122
340	115	118	119
345	111	114	115
350	108	111	112
355	105	108	109
360	101	104	105
365	98.1	101	102
370	94.9	98.2	99.4
375	91.9	95	96.4
380	89	92	93.4
385	86.1	89.1	90.4
390	83.2	86.3	87.6
395	80.3	83.5	84.9
400	77.5	80.8	82.1
405	74.6	78	79.5
410	72.1	75.3	76.9
415	69.7	72.5	74.2
420	67.2	70.2	71.6
425	64.8	67.7	69.1
430	62.4	65.3	66.7
435	60.1	62.9	64.4
440	57.9	60.5	62.1
445	55.8	58.2	59.7
450		56.1	57.5
455		54	55.3
460			53.3
465			51.3
470			

ft	HSL2 482 ft		
	F 39 ft	F 49 ft	F 59 ft
346			
344		308	
341		307	272
338		304	267
334		300	262
330		296	257
326		292	252
321		288	248
316		284	243
311		279	239
306		274	235
301		270	231
295		265	227
290		260	224
284		255	220
279		251	217
273		246	213
267		241	210
262		237	207
256		232	204
251		228	201
246		223	198
240		219	196
236		215	193
231		211	190
227		207	187
222		203	185
217		199	182
213		195	179
210		191	176
206		188	173
202		185	170
199		182	168
195		179	165
192		176	162
188		173	159
185		170	157
181		167	154
177		164	152
172		161	149
168		158	147
163		156	145
158		154	143
154		151	140
149		147	138
145		144	136
140		140	134
136		136	132
132		133	130
129		129	128
125		125	126
121		122	122
117		118	119
113		115	115
110		111	112
106		108	109
103		104	105
100		101	102
97.1		98	99.1
94		95	96.1
90.8		92	93.2
87.8		89	90.3
85		86	87.4
82.1		83.2	84.6
79.3		80.5	81.7
76.4		77.8	79.1
73.7		75.2	76.5
70.9		72.5	73.9
68.2		69.9	71.4
65.9		67.3	68.9
63.5		64.8	66.4
61.2		62.5	63.9
58.8		60.1	61.6
56.6		57.8	59.4
54.3		55.5	57.1
52.3		53.3	54.9
		51.1	52.6
		49.2	50.6
			48.6
			46.8



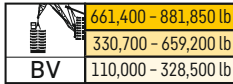
US3441

ft	HSL2 492 ft		
	F 39 ft	F 49 ft	F 59 ft
75			
80	329		
85	326	294	264
90	323	291	265
95	319	287	260
100	316	284	255
105	311	280	251
110	307	276	246
115	302	272	242
120	298	268	238
125	293	263	234
130	288	259	230
135	283	254	226
140	278	250	223
145	272	246	219
150	267	241	216
155	261	237	212
160	256	232	209
165	251	228	206
170	246	223	203
175	241	219	200
180	236	215	197
185	231	211	194
190	226	206	190
195	222	202	187
200	217	199	183
205	213	195	180
210	209	191	177
215	205	188	174
220	201	184	171
225	198	181	168
230	194	178	165
235	191	175	162
240	187	172	159
245	184	169	156
250	181	166	154
255	178	163	151
260	175	161	149
265	172	158	146
270	168	156	144
275	164	153	142
280	160	151	140
285	155	149	138
290	151	146	136
295	147	143	134
300	142	140	132
305	138	137	130
310	134	133	128
315	130	130	126
320	126	126	124
325	122	123	122
330	119	119	120
335	115	116	117
340	111	112	113
345	108	109	110
350	105	105	107
355	101	102	103
360	98	98.8	100
365	95	95.6	97
370	91.9	92.7	93.9
375	88.9	89.8	90.8
380	85.9	86.9	88.1
385	82.9	84.1	85.3
390	80.2	81.2	82.6
395	77.4	78.4	79.8
400	74.7	75.8	77
405	72.1	73.1	74.5
410	69.4	70.6	72
415	66.8	68	69.5
420	64.1	65.4	67.1
425	61.8	62.9	64.7
430	59.5	60.3	62.3
435	57.2	58.2	59.9
440	54.9	56	57.5
445	52.7	53.8	55.4
450	50.6	51.6	53.2
455	48.6	49.5	51.1
460	46.8	47.5	48.9
465		45.6	46.9
470		44	45
475			43.3
480			41.8
485			
490			

HSL2 502 ft		
F 39 ft	F 49 ft	F 59 ft
12°		
314		
311	281	
308	278	257
305	275	254
301	272	251
298	268	248
294	264	244
289	261	241
285	257	238
281	253	234
276	249	231
271	245	227
266	240	223
261	236	219
256	232	216
251	227	212
246	223	208
241	219	204
236	214	201
231	210	197
227	206	193
222	202	190
217	198	186
213	194	183
209	191	180
205	187	176
201	184	173
197	181	170
193	177	167
190	174	164
187	171	162
184	168	159
180	166	156
177	163	154
174	160	151
171	158	149
168	155	147
165	153	144
162	150	142
158	148	140
154	146	138
151	143	136
147	141	134
143	139	132
138	136	130
134	133	128
130	130	126
126	127	124
122	123	122
119	119	120
115	116	118
112	112	116
108	109	113
105	106	109
101	102	106
97.9	98.9	103
94.6	95.6	99.6
91.5	92.5	96.3
88.6	89.4	93.3
85.7	86.5	90.3
82.8	83.7	87.2
79.9	80.9	84.5
77	78.2	81.9
74.4	75.4	79.1
71.8	72.7	76.5
69.2	70.1	73.8
66.7	67.6	71.2
64.1	65.1	68.7
61.7	62.7	66.2
59.2	60.2	63.8
56.7	57.8	61.5
54.5	55.4	59.1
52.3	53.1	56.8
50.1	51.1	54.4
47.8	49.1	52.3
45.8	47.1	50.3
43.8	45.1	48.4
42.1	43.3	46.4
40.6	41.4	44.4
	39.9	42.6
	38.4	40.8
		39.3
		37

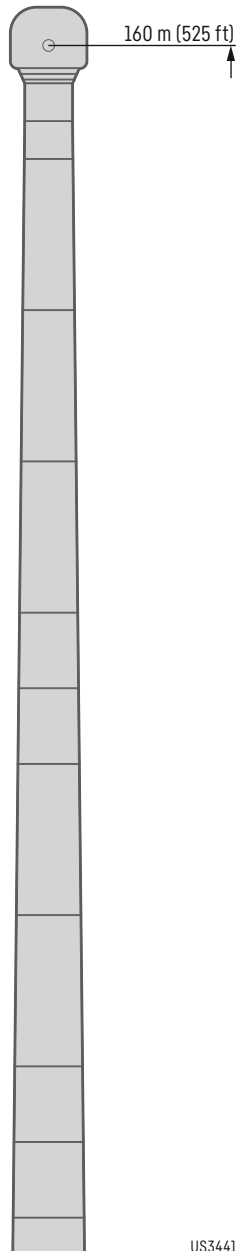
HSL2AZDFBV

HSL2 532 – 551 ft



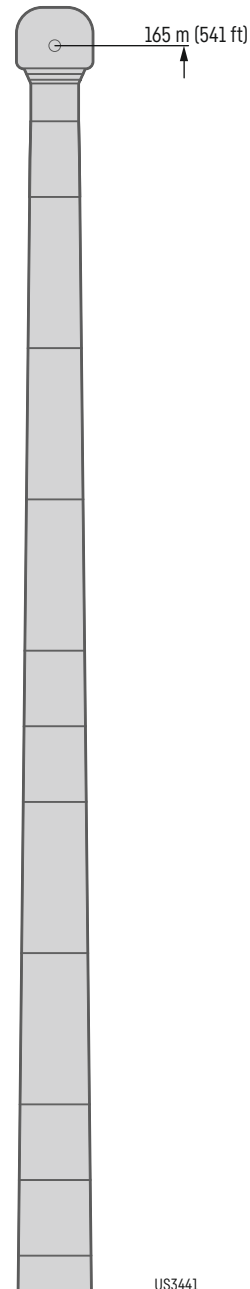
ft	HSL2 532 ft		
	F 39 ft	F 49 ft	F 59 ft
85	270	245	224
90	268	242	223
95	265	240	221
100	263	237	218
105	260	235	216
110	257	232	213
115	254	229	210
120	250	226	208
125	246	222	205
130	242	219	202
135	238	215	199
140	234	211	195
145	230	208	192
150	225	204	188
155	221	200	185
160	217	196	182
165	213	193	179
170	209	189	175
175	205	186	172
180	201	183	169
185	197	179	166
190	193	175	163
195	189	171	160
200	186	167	156
205	183	164	152
210	179	160	148
215	176	157	145
220	173	154	142
225	170	151	139
230	167	148	136
235	164	145	133
240	161	142	130
245	159	140	128
250	156	137	125
255	153	134	122
260	151	132	120
265	148	130	118
270	145	127	115
275	142	125	113
280	139	122	110
285	137	120	108
290	134	117	105
295	131	115	103
300	128	112	100
305	125	110	97.9
310	122	107	95.8
315	119	105	93.7
320	116	102	91.6
325	113	100	89.5
330	110	97.9	87.4
335	108	95.8	85.3
340	105	93.7	83.2
345	101	91.6	81.1
350	97.9	89.5	79.0
355	94.7	87.4	76.9
360	91.6	85.3	74.8
365	88.5	83.2	72.7
370	85.4	81.1	70.6
375	82.4	79.0	68.5
380	79.5	76.9	66.4
385	76.5	74.8	64.3
390	73.8	72.7	62.2
395	71.2	70.6	60.1
400	68.7	68.5	58.0
405	66.1	66.4	55.9
410	63.5	64.3	53.8
415	60.9	62.2	51.7
420	58.6	60.1	49.6
425	56.3	58.0	47.5
430	53.9	55.9	45.4
435	51.8	53.8	43.3
440	49.6	51.7	41.2
445	47.4	49.6	39.1
450	45.3	47.5	37.0
455	43.1	45.4	34.9
460	41.4	43.3	32.8
465	39.9	41.2	30.7
470	38.3	39.1	28.6
475	36.8	37.0	26.5
480	35.2	34.9	24.4
485	33.7	32.8	22.3
490	32.1	30.7	20.2
495	30.6	28.6	18.1
500	29.1	26.5	16.0
505		24.4	13.9
510		22.3	11.8
515		20.2	9.7
520		18.1	7.6

ft	HSL2 541 ft		
	F 39 ft	F 49 ft	F 59 ft
253	227	207	187
249	224	204	184
246	221	201	181
243	217	197	178
239	214	194	175
235	210	191	172
231	207	188	169
227	203	184	166
223	199	181	163
219	196	178	160
215	192	175	157
211	189	172	154
207	185	169	151
203	182	166	148
199	179	163	145
196	175	160	142
192	171	157	139
188	168	154	136
185	164	151	133
181	160	148	130
178	157	145	127
174	154	142	124
170	151	139	121
166	148	136	118
162	145	133	115
158	142	130	112
154	139	127	109
150	136	124	106
146	133	121	103
142	130	118	100
138	127	115	97.9
134	124	112	95.8
130	121	109	93.7
126	118	106	91.6
122	115	103	89.5
118	112	100	87.4
114	109	97.9	85.3
110	106	95.8	83.2
106	103	93.7	81.1
102	100	91.6	79.0
98	97.9	89.5	76.9
94	95.8	87.4	74.8
90	93.7	85.3	72.7
86	91.6	83.2	70.6
82	89.5	81.1	68.5
78	87.4	79.0	66.4
74	85.3	76.9	64.3
70	83.2	74.8	62.2
66	81.1	72.7	60.1
62	79.0	70.6	58.0
58	76.9	68.5	55.9
54	74.8	66.4	53.8
50	72.7	64.3	51.7
46	70.6	62.2	49.6
42	68.5	60.1	47.5
38	66.4	58.0	45.4
34	64.3	55.9	43.3
30	62.2	53.8	41.2
26	60.1	51.7	39.1
22	58.0	49.6	37.0
18	55.9	47.5	34.9
14	53.8	45.4	32.8
10	51.7	43.3	30.7
6	49.6	41.2	28.6
2	47.5	39.1	26.5



US3441

ft	HSL2 551 ft		
	F 39 ft	F 49 ft	F 59 ft
85	235	213	193
90	232	210	190
95	229	207	187
100	226	204	184
105	224	201	181
110	221	198	178
115	217	195	175
120	214	192	172
125	210	189	169
130	206	186	166
135	203	183	163
140	199	180	160
145	195	177	157
150	191	174	154
155	187	171	151
160	184	168	148
165	180	165	145
170	177	162	142
175	173	159	139
180	170	156	136
185	167	153	133
190	164	150	130
195	161	147	127
200	158	144	124
205	155	141	121
210	152	138	118
215	149	135	115
220	147	132	112
225	144	129	109
230	142	126	106
235	139	123	103
240	137	120	100
245	135	117	97.9
250	133	114	95.8
255	131	112	93.7
260	129	110	91.6
265	127	108	89.5
270	125	106	87.4
275	123	104	85.3
280	121	102	83.2
285	120	100	81.1
290	118	97.9	79.0
295	116	95.8	76.9
300	115	93.7	74.8
305	113	91.6	72.7
310	112	89.5	70.6
315	110	87.4	68.5
320	108	85.3	66.4
325	107	83.2	64.3
330	105	81.1	62.2
335	103	79.0	60.1
340	102	76.9	58.0
345	99.9	74.8	55.9
350	97.4	72.7	53.8
355	94.6	70.6	51.7
360	91.8	68.5	49.6
365	88.9	66.4	47.5
370	86	64.3	45.4
375	83.1	62.2	43.3
380	80.2	60.1	41.2
385	77.5	58.0	39.1
390	74.7	55.9	37.0
395	71.9	53.8	34.9
400	69.5	51.7	32.8
405	67.1	49.6	30.7
410	64.7	47.5	28.6
415	62.3	45.4	26.5
420	59.9	43.3	24.4
425	57.5	41.2	22.3
430	55.4	39.1	20.2
435	53.2	37.0	18.1
440	51.1	34.9	16.0
445	49.2	32.8	13.9
450	47.2	30.7	11.8
455	45.3	28.6	9.7
460	43.3	26.5	7.6
465	41.3	24.4	5.5
470	39.7	22.3	3.4
475	38.2	20.2	1.3
480	36.7	18.1	
485	35.2	16.0	
490	33.7	13.9	
495	32.3	11.8	
500	30.8	9.7	
505	29.3	7.6	
510	27.8	5.5	
515	27.1	3.4	
520	25.6	1.3	
525			
530			



US3441

HSL2AZDFBV

HSL2 561 ft

561 ft

HSL2

A

Z

128 ft

39-59 ft

154,300 lb

374,800 - 463,000 lb

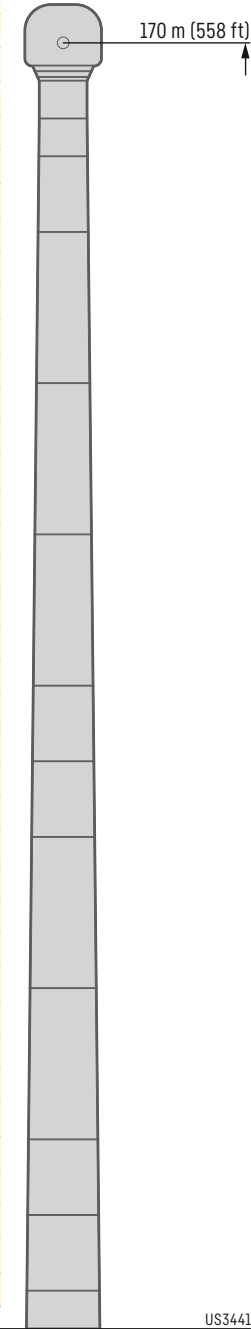
661,400 - 881,850 lb

330,700 - 659,200 lb

110,000 - 328,500 lb

BV

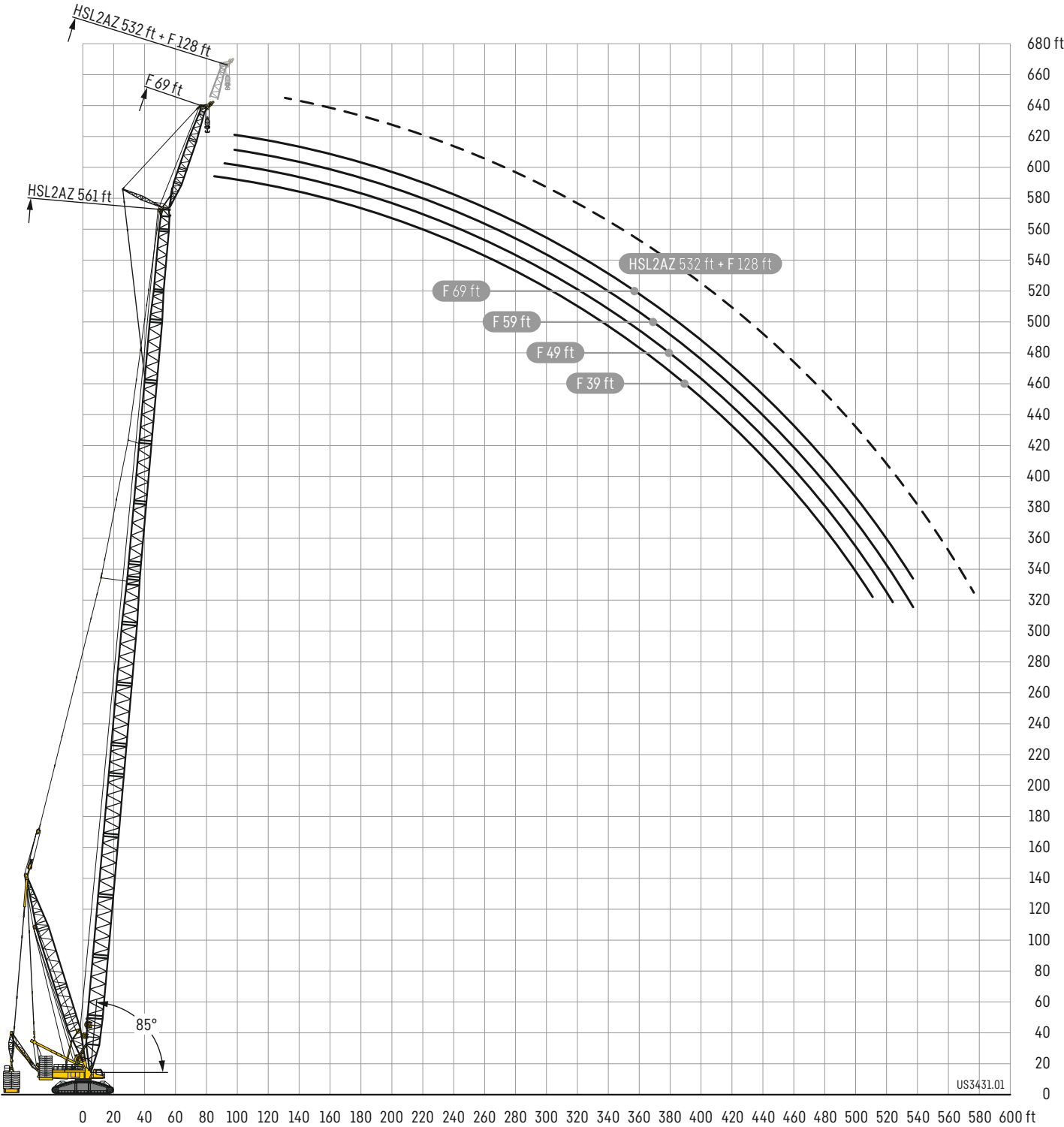
HSL2 561 ft			
	F 39 ft	F 49 ft	F 59 ft
12°			
85	225		
90	223	206	
95	221	204	188
100	218	201	186
105	216	199	183
110	213	196	180
115	211	193	177
120	208	190	175
125	205	187	172
130	202	184	169
135	199	181	166
140	196	177	163
145	192	174	160
150	189	171	158
155	186	168	155
160	182	165	152
165	179	162	149
170	175	159	147
175	172	156	144
180	169	154	141
185	166	151	139
190	163	148	137
195	160	146	134
200	157	143	132
205	155	141	130
210	152	138	128
215	149	136	125
220	147	133	123
225	144	131	121
230	142	129	119
235	140	127	117
240	137	125	115
245	135	123	114
250	133	121	112
255	131	119	110
260	129	118	108
265	127	116	107
270	125	114	105
275	123	112	104
280	121	111	102
285	119	109	101
290	117	108	99.5
295	115	106	98.1
300	113	105	96.8
305	112	104	95.6
310	110	102	94.3
315	108	101	93
320	106	99.2	91.8
325	104	97.7	90.6
330	102	96.2	89.5
335	99.7	94.7	88.3
340	97.6	93.2	87.1
345	95.6	91.7	86
350	93.5	90.1	84.8
355	91	88.6	83.6
360	88.3	86.9	82.4
365	85.5	84.6	81.1
370	82.8	82.2	79.5
375	80	79.7	77.5
380	77.2	77.3	75.6
385	74.4	74.8	73.6
390	71.7	72.2	71.5
395	69	69.7	69.4
400	66.3	67.3	67.3
405	63.9	64.8	65.2
410	61.6	62.3	63.1
415	59.3	60.1	61
420	57	57.8	58.9
425	54.7	55.5	56.8
430	52.4	53.3	54.6
435	50.3	51.1	52.5
440	48.4	48.8	50.4
445	46.4	46.9	48.3
450	44.6	45	46.2
455	42.9	43.1	44.4
460	41.2	41.6	42.6
465	39.5	40	40.9
470	37.7	38.5	39.4
475	36	36.9	37.9
480	34.4	35.4	36.3
485	32.8	33.8	34.8
490	31.2	32.2	33.3
495	29.6	30.6	31.8
500	28	29	30.2
505	26.4	27.3	28.6
510	24.8	25.7	27
515	23.3	24.1	25.4
520	21.9	22.5	23.8
525		21.1	22.3
530		19.7	20.7
535			19.4
540			17.9



Lifting heights

Hauteurs de levage

HSL2AZDFBV



Description of symbols

Explication des symboles



Max. capacity
Capacité max.



Max. boom length
Longueur maxi. de la fleche principale



Max. boom system length
Longueur maxi. du systeme de fleche



Counterweight
Contrepoids



Central ballast
Contrepoids central



Width crawler chassis
Largeur du train de chenilles



Hoist gear
Treuil de levage



Working speeds
Vitesses



Max. single line pull
Effort au brin maxi.



Rope diameter
Diamètre



Rope length
Longueur du câble



Slewing speeds
Vitesses d'orientation



Driving speed
Vitesse de translation



Load
Forces de levage



Hookblock/Capacity
Moufle à crochet/Capacité de charge



Weight
Poids



No. of lines
Brins



No. of sheaves
Poulies



Radius
Portée



Main boom SL
Flèche principale SL



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



Main boom S
Flèche principale S



Main boom, heavy
Flèche principale, lourde



Derrick system D
Système derrick D



Luffin fly jib, heavy
Flèche, lourde



Fixed lattice jib F
Flèche à treillis fixe F



Adapter A
Pièce d'adaptateur A



Additional guying support
Chevalet tendeur



Counterweight frame B
Palette de lest B



Suspended ballast V-Frame®
V-Frame® de contrepoids suspendu



Counterweight trailer M-Wagon
Remorque à contrepoids M-Wagon

Remarks

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.	The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
4.	Lifting capacities are given in kips.
5.	The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6.	The working radii are measured from the slewing centerline.
7.	The subsoil must be even and of good bearing capacity.
8.	Subject to modification of lifting capacities.
9.	The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane can be found in the operation manual and the load chart book.
10.	The illustrations in this brochure may feature accessories and special equipment not included in the standard scope of delivery.

Remarques

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.	Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4.	Les charges sont indiquées en kips.
5.	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.
6.	Les portées sont prises à partir de l'axe de rotation de la partie tournante.
7.	Le sol doit être plat et résistant.
8.	Charges données sous réserve de modification.
9.	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.
10.	Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

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Planning

Crane Finder



Operations

Performance



Planning

Crane Planner 2.0



Operations

Documents



Maintenance

Spare Parts Catalogue



Planning

LICCON Work Planner



Training

Digital Crane Operator



Maintenance

Parts Shop

Proposition 65



WARNING: This product can expose you to chemicals, including exhaust emissions, including lead and lead compounds, which are known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information see: www.P65warnings.ca.gov/diesel

Subject to modification · Sous réserve de modifications

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