

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

Description techniques	4-5
------------------------------	-----

Dimensions

Encombrement	6-9
--------------------	-----

M-Wagon®	10
----------------	----

Crane data

Dates de la grue	11
------------------------	----

Transportation plan

Plan de transport	12
-------------------------	----

Economic transport worldwide

Un transport économique partout dans le monde	13
---	----

Suspended ballast V-Frame®

V-Frame® de contrepoids suspendu.....	14
---------------------------------------	----

Boom/jib combinations

Configurations de flèche	15-17
--------------------------------	-------

SL	18-19
----------	-------

HSLDB/HSLDBV	20-23
--------------------	-------

S	24-25
---------	-------

HSDB/HSDBV	26-28
------------------	-------

H2DB/H2DBV/H2DBW	29-31
------------------------	-------

SW1	32-38
-----------	-------

HSDWB/HSDWBV	39-64
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SLF	65-75
-----------	-------

HSL3AF	76-79
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HSL2AZDFBV	80-83
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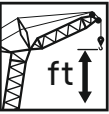
Description of symbols

Explication des symboles	84
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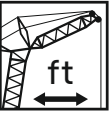
Remarks

Remarques	85
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LR 1800-1.0



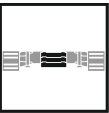
663 ft



499 ft



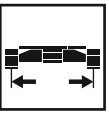
507,100 lb



286,600 lb



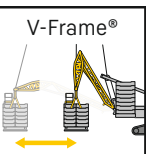
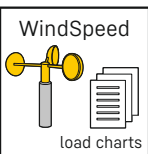
881,850 lb



29 ft 6 in



455 kW (619 h.p.)



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.

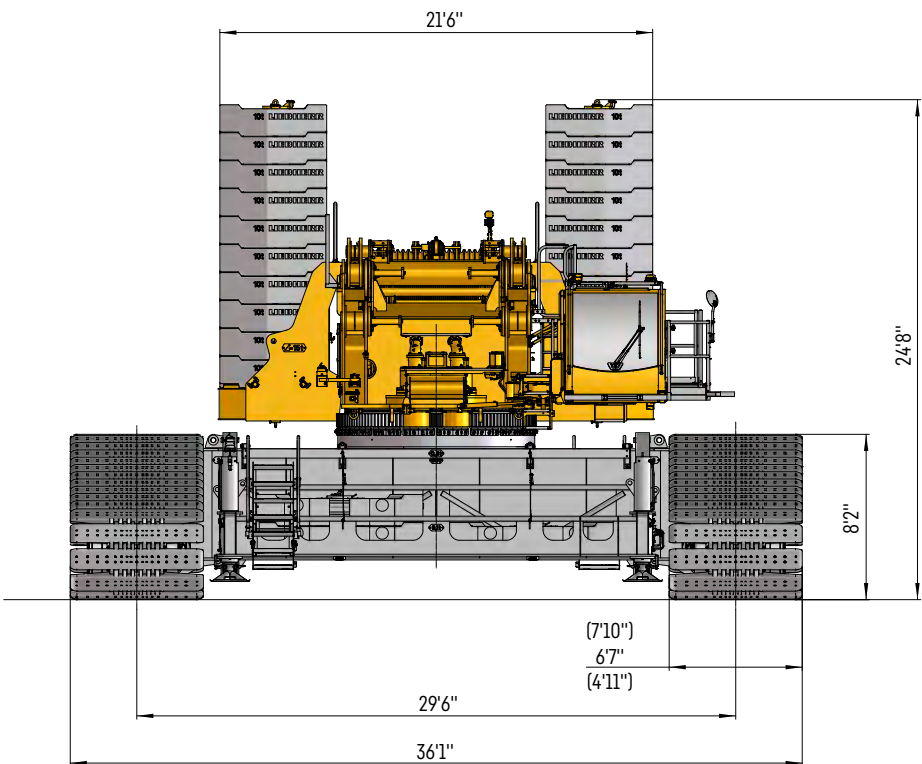
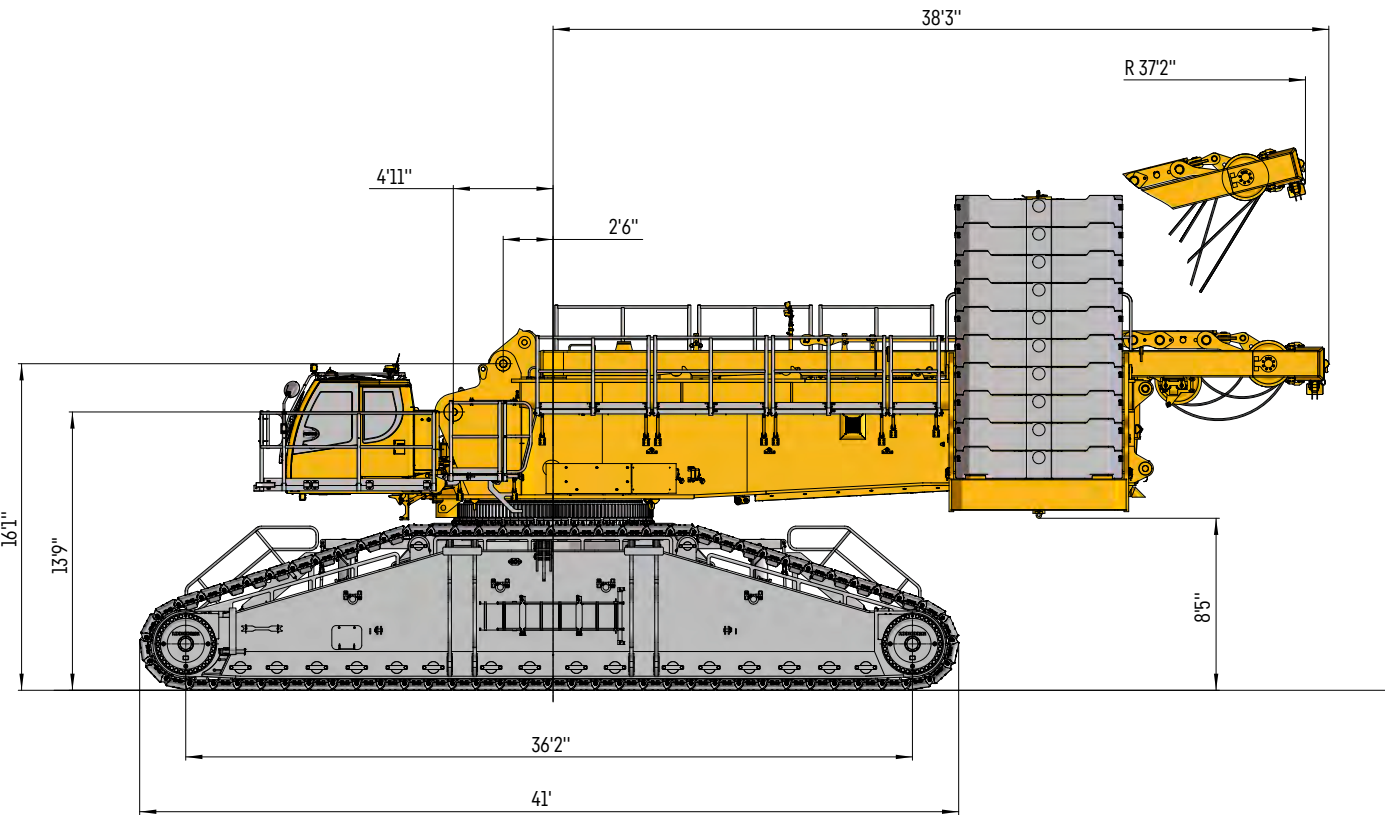
Equipment additionnel

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.

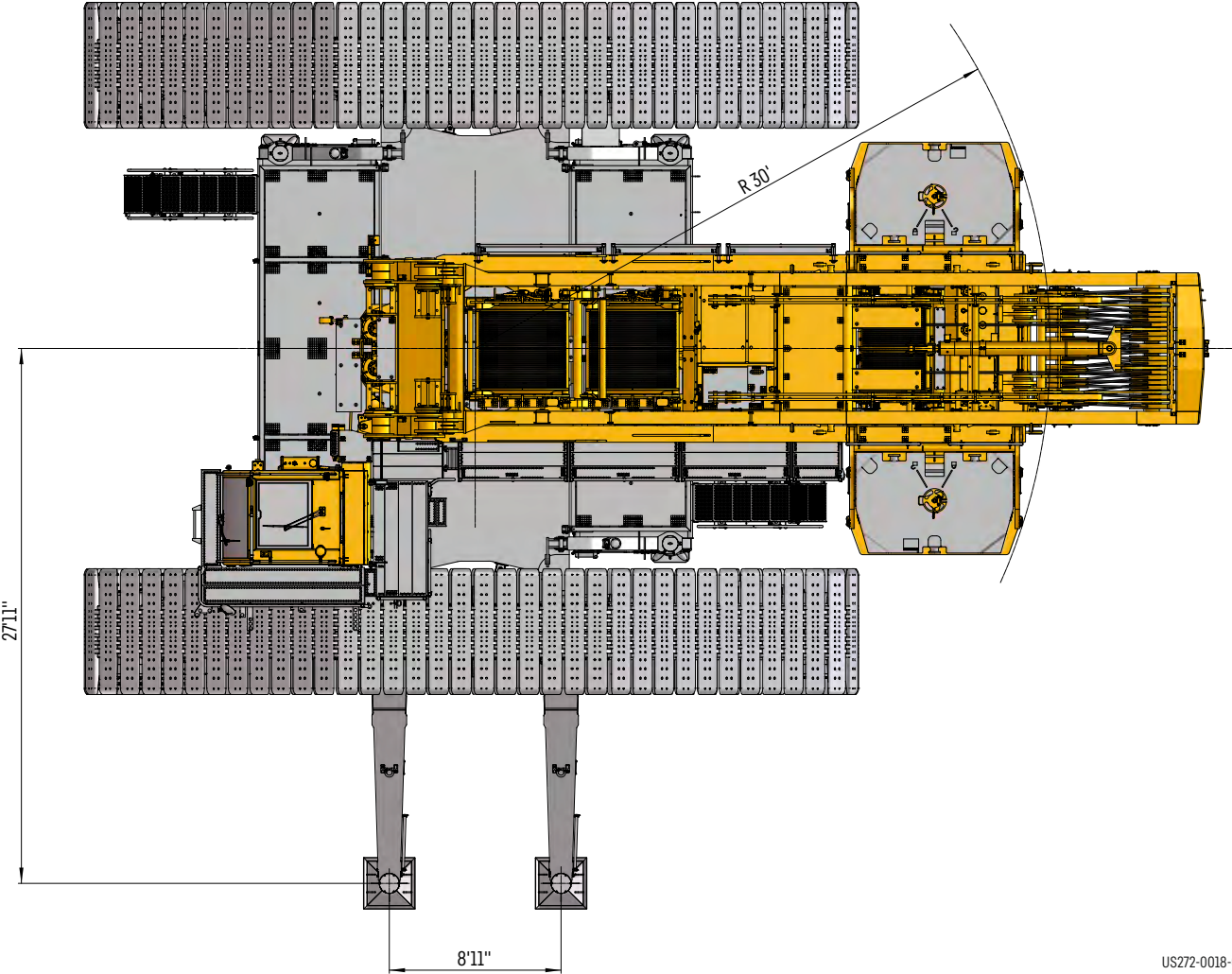
Dimensions

Encombrement



Dimensions

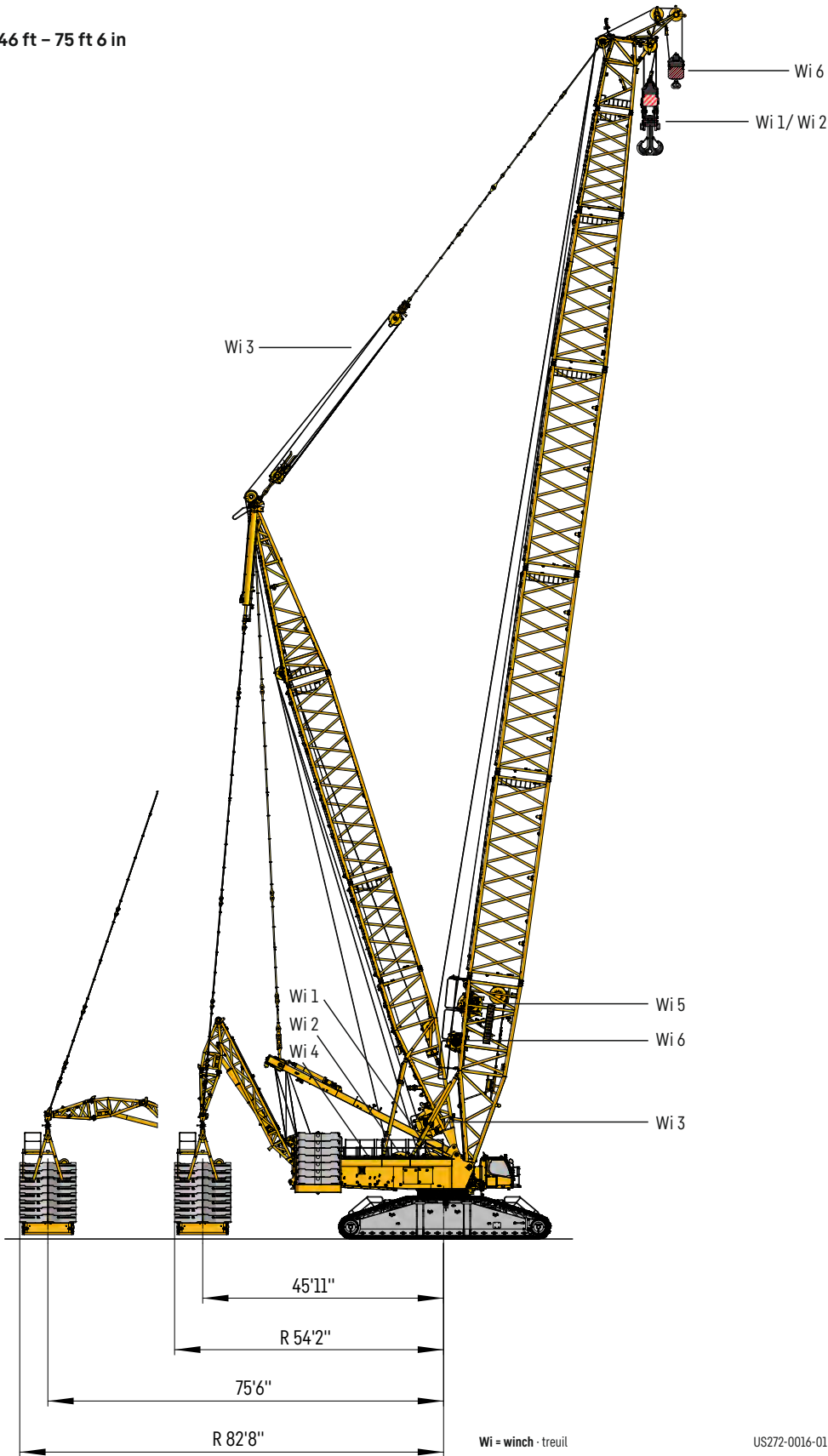
Encombrement



US272-0018-01



46 ft – 75 ft 6 in

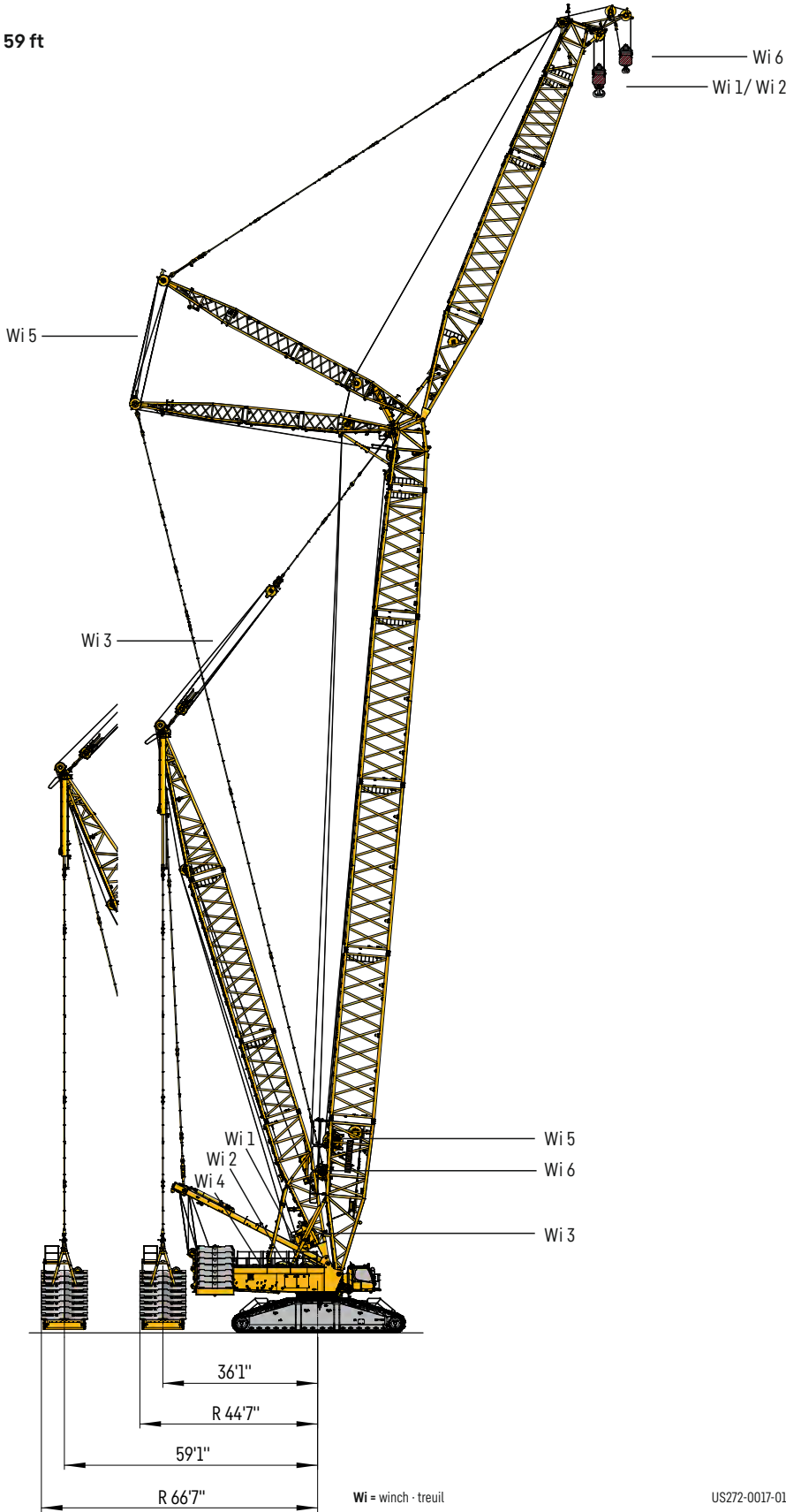


US272-0016-01

HSDWB

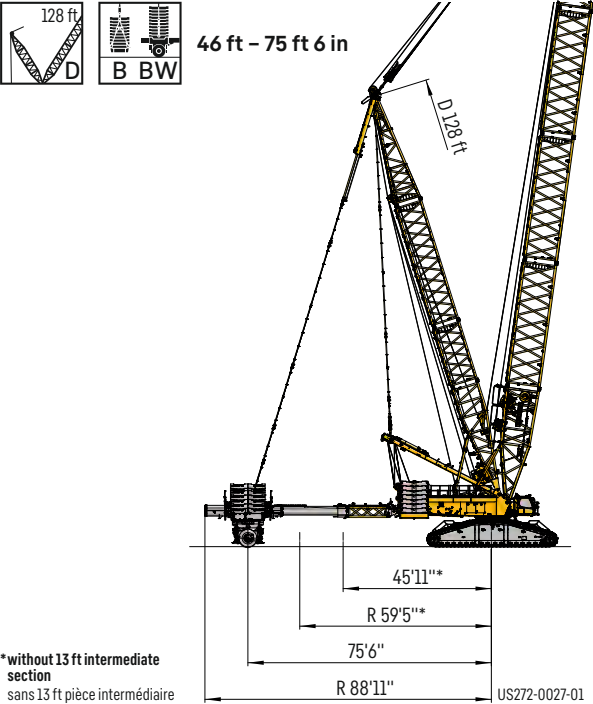


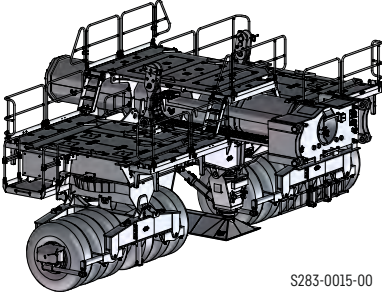
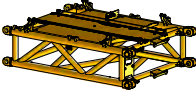
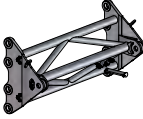
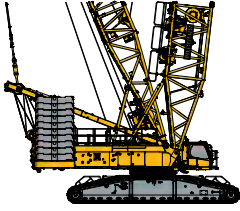
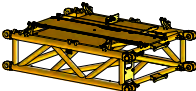
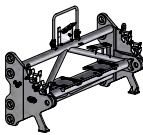
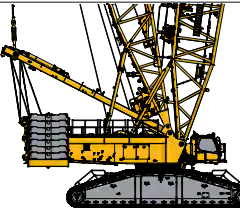
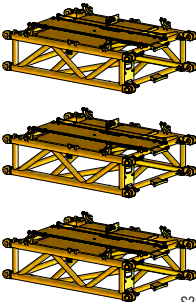
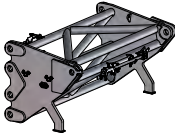
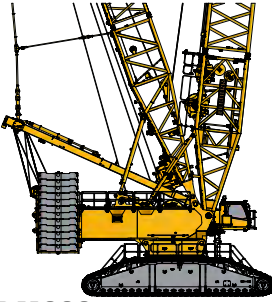
36 ft - 59 ft



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

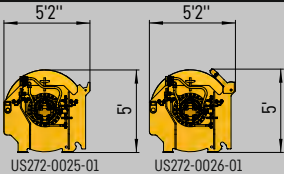
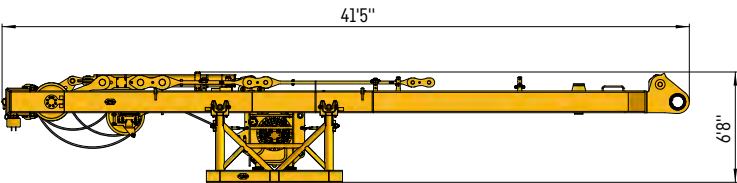
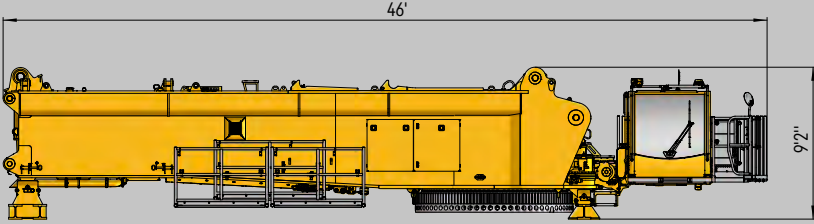
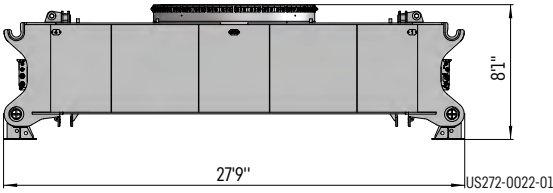
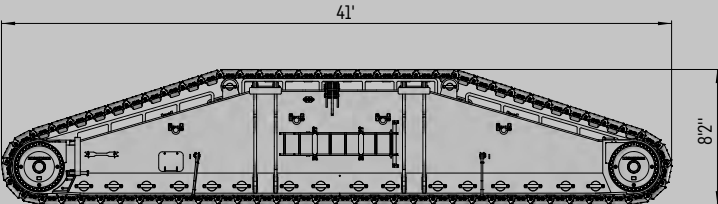
	Slewing speeds · Vitesses d'orientation	0 - 0.67 rpm
	Travel speeds · Vitesses de translation	0 - 0.9 mph

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

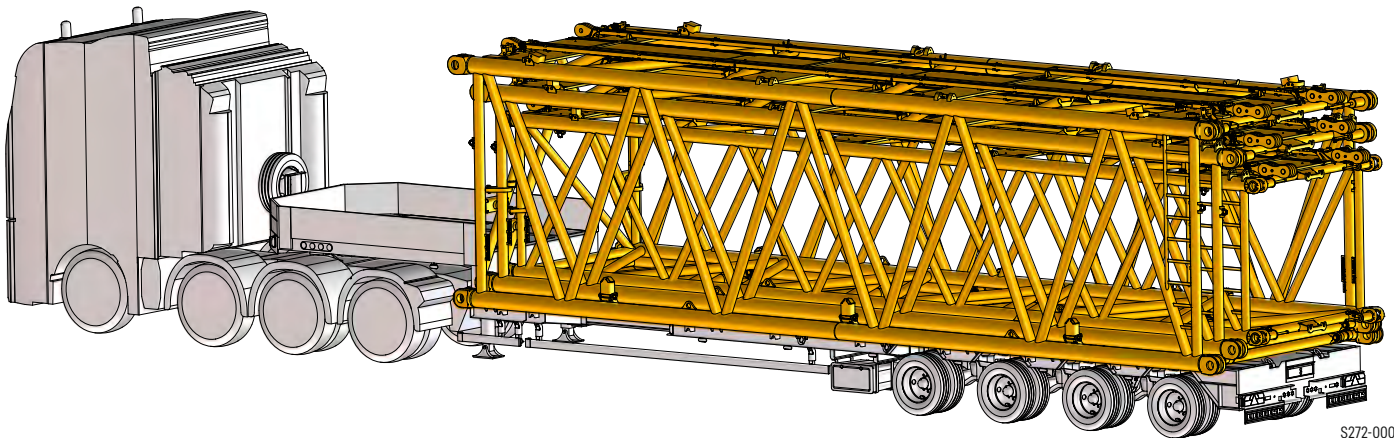
Transportation plan

Plan de transport

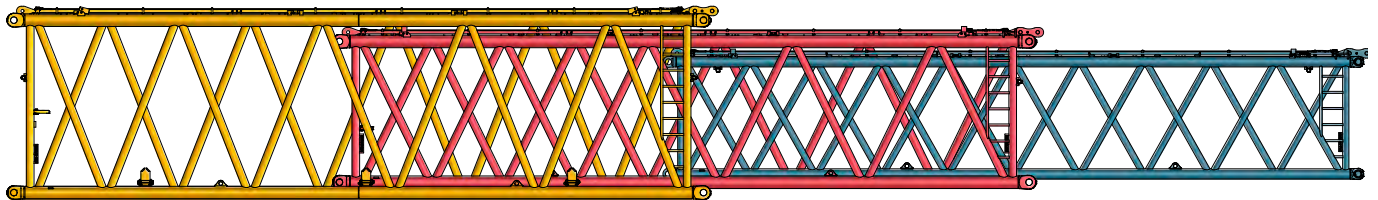
Part - Partie						
Winches 1 and 2 Treuils 1 et 2  5'2" 5'2" 5' 5' US272-0025-01 US272-0026-01		24.25 kip+ 24.25 kip				
SA-frame, winch 4 incl. rope and pulley block - Chevalet SA, treuil 4 incl. câble et bloc de poulies  41'5" 6'8" 1 US272-0024-01		44.1 kip + 3.5 kip Transport bracket Support de transport 1				
Superstructure with quick connection - Partie tournante avec quick connection  46' 9'2" 2 US272-0021-01		101.4 kip (incl. QC) +3.7 kip Transport bracket Support de transport 2				
Middle section Partie centrale  27'9" 8'1" 3 US272-0022-01		66.1 kip +2 kip Transport bracket Support de transport 3				
Crawler track (4-fold, 6 ft 7 in pads) (*optional) Longeron (4 positions, plaques de 6 ft 7 in) (*en option)  41' 8'2" US272-0023-01 4'11"* 6'7" 7'10"* 110 kip 132.3 kip 147.7 kip		2 x 132.3 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

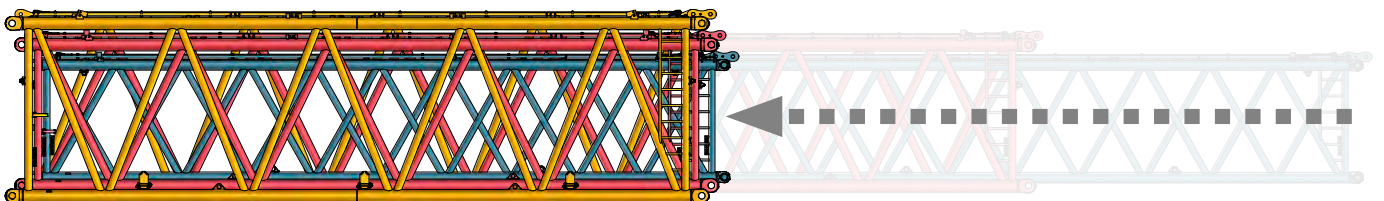
Un transport économique partout dans le monde



S272-0002-00

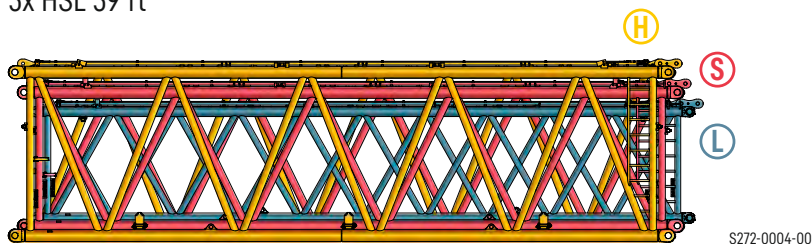


S272-0003-00



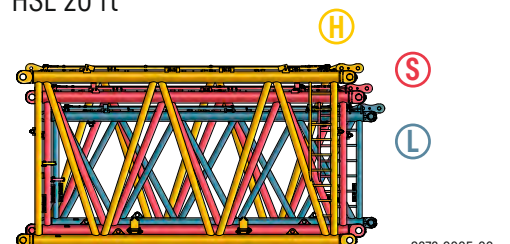
S272-0004-00

3x HSL 39 ft

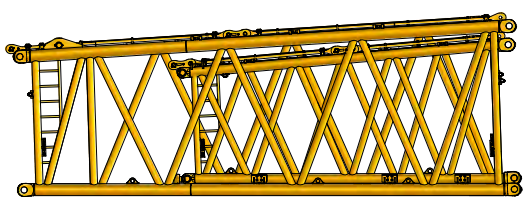


S272-0004-00

HSL 20 ft



S272-0005-00



S272-0007-00

HS-reduction section incl. SL-reduction section
Élément 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

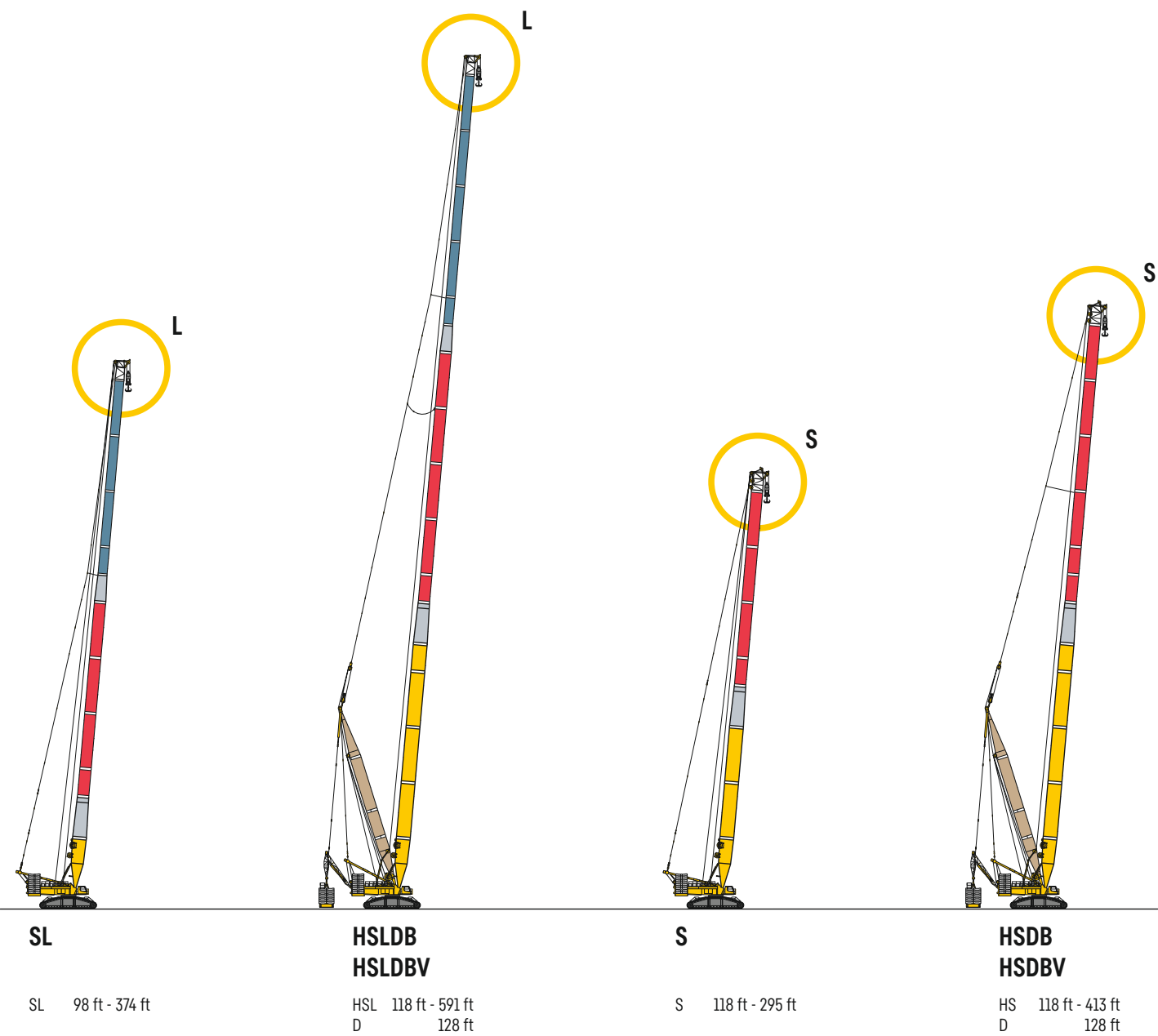
- Distance de réglage de 46 ft – 75 ft
- Guidage automatique des vérins de derrick (une seule manœuvre de commande)
- Interpolation des tableaux de charge



Boom/jib combinations

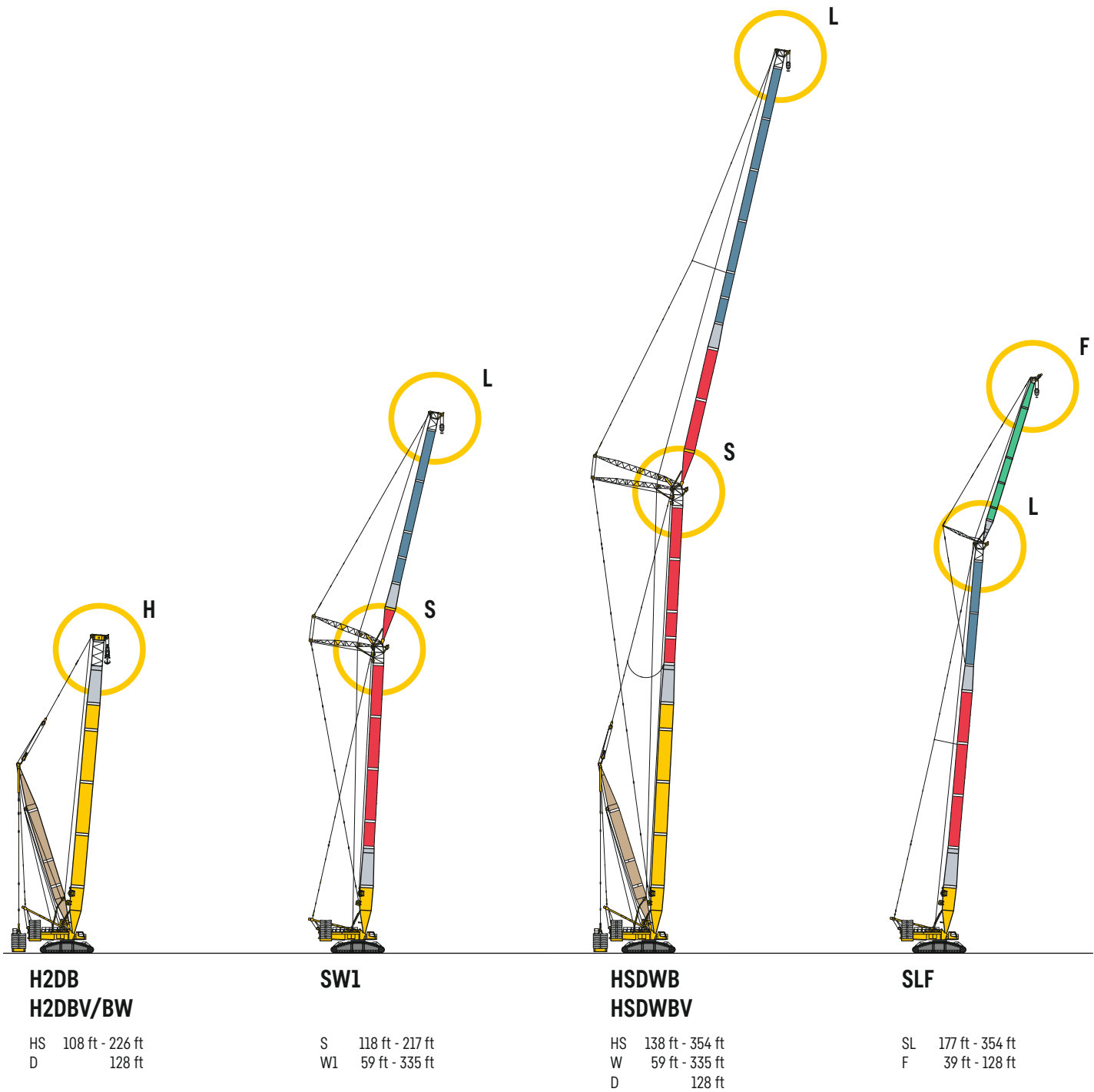
Configurations de flèche

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 • Flechette a 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

H
S
L
F
D



HSLDFB/BV

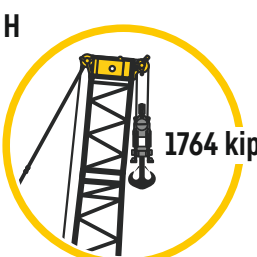
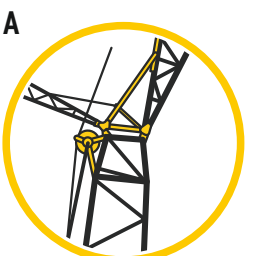
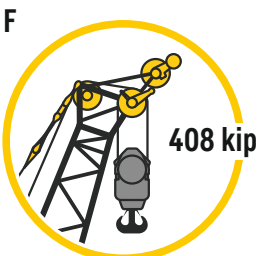
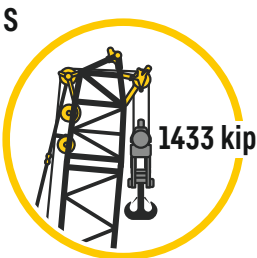
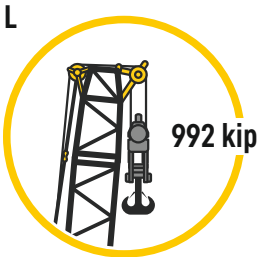
HSL 315 ft - 591 ft
F 39 ft - 128 ft
D 128 ft

HSL3AF

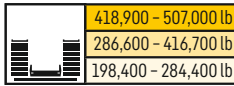
HSL3 177 ft - 335 ft
F 39 ft - 128 ft

HSL2AZDFBV

HSL2 197 ft - 571 ft
F 39 ft - 128 ft
D 128 ft



US3285.02

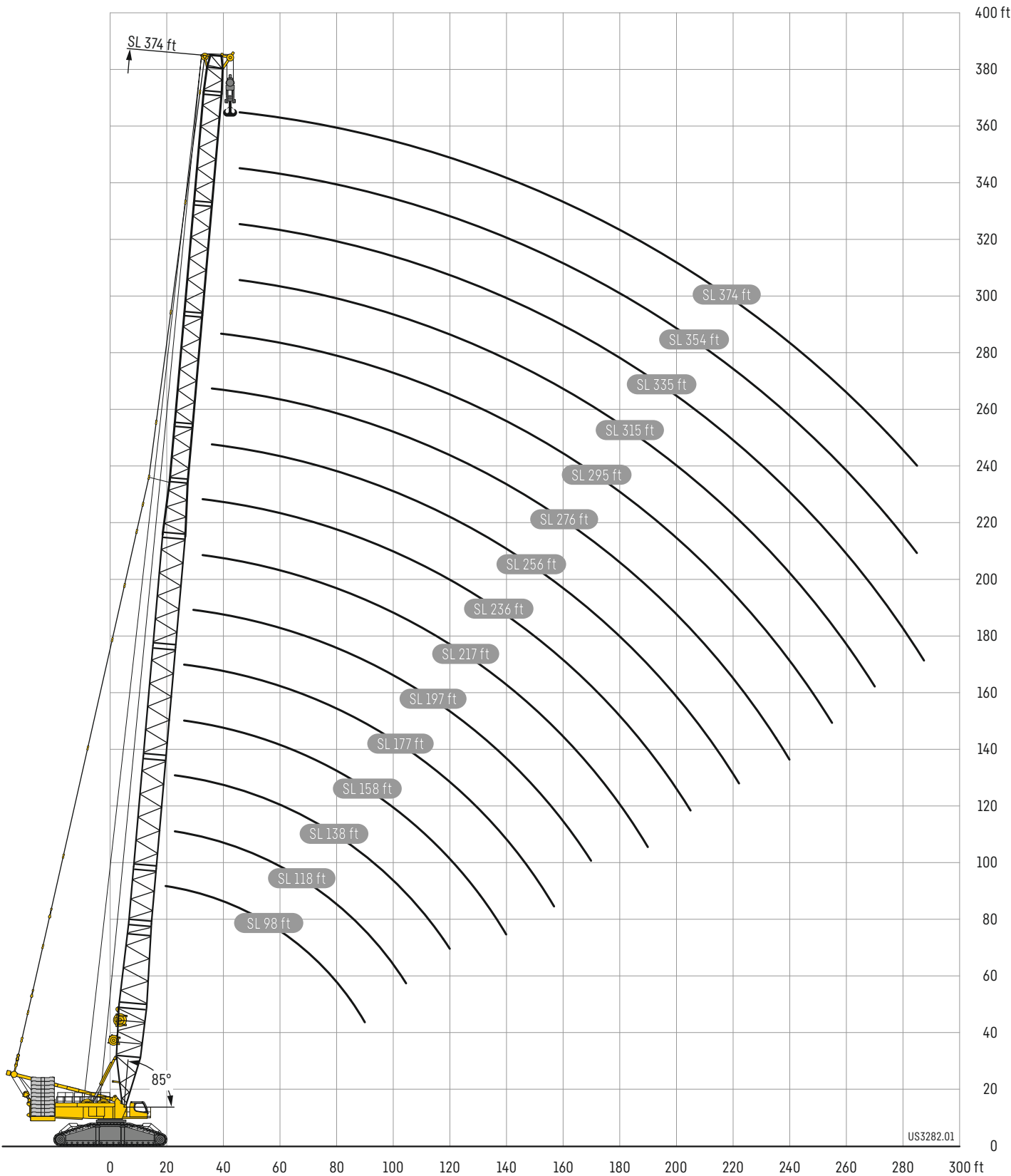


	SL 98 - 374 ft															
ft	98 ft	118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft	ft
19	992															19
20	992	992														20
22	992	992	992													22
24	992	992	992	992												24
26	992	992	992	992	992											26
28	992	992	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

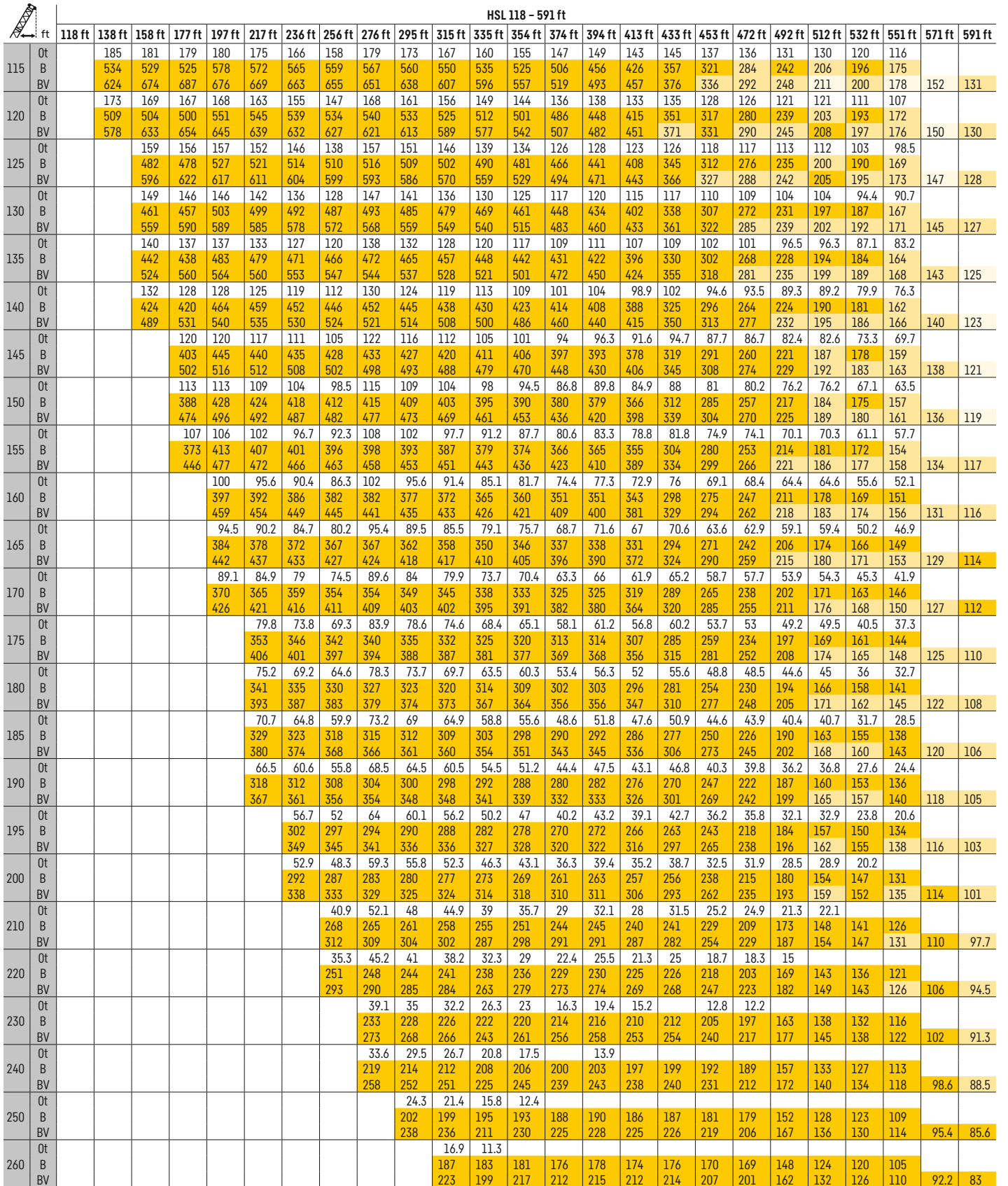


HSLDB/HSLDBV

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	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	84																						



HSLDB/HSLDBV

HSL 118 – 591 ft



118 – 591 ft
HSL



128 ft
D



154,300 lb



374,800 lb -
463,000 lb



B BV

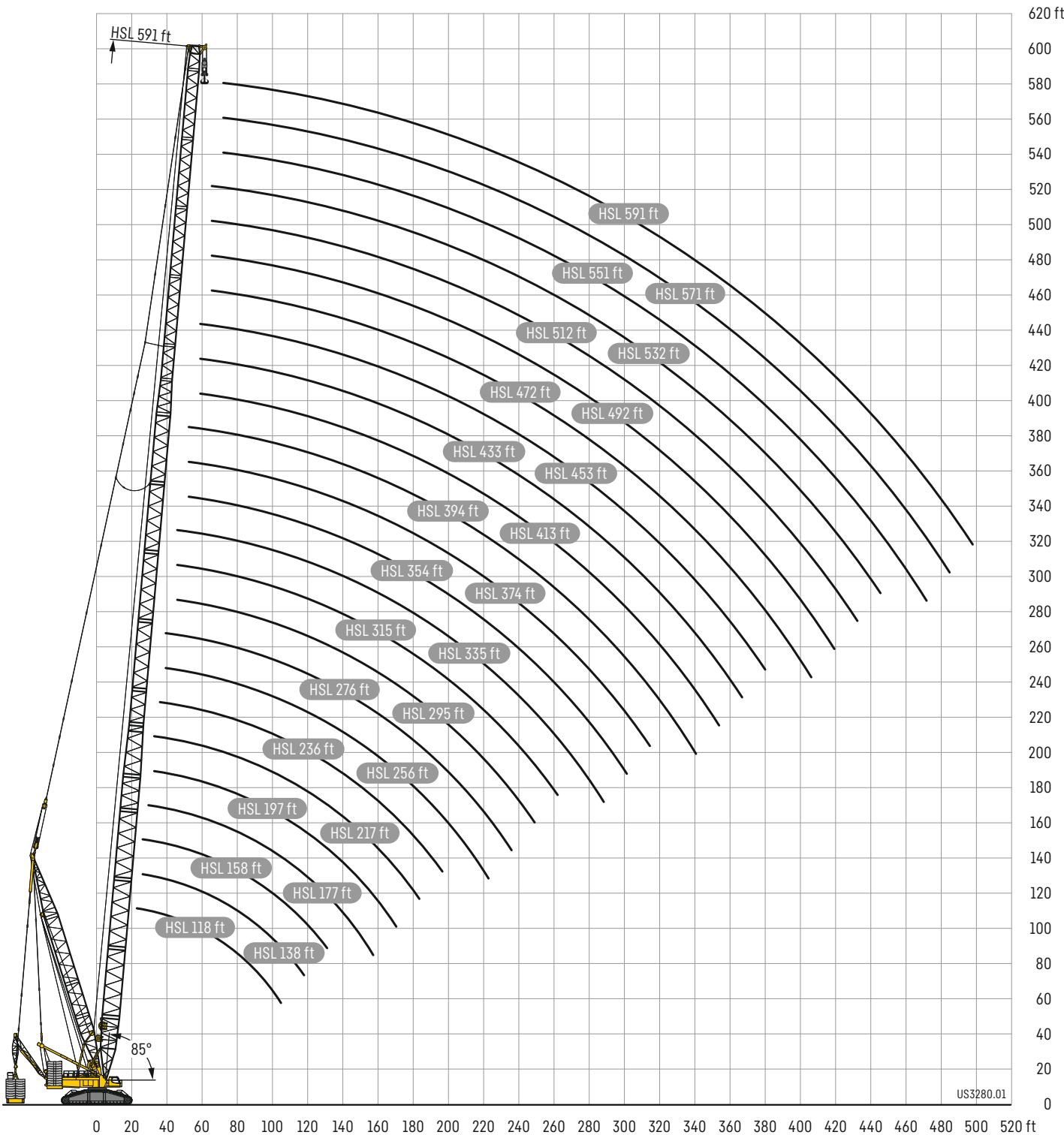
661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb

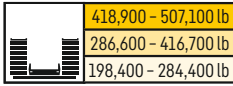
ft		HSL 118 – 591 ft																									
		118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft	394 ft	413 ft	433 ft	453 ft	472 ft	492 ft	512 ft	532 ft	551 ft	571 ft	591 ft	
270	Ot B BV										12.6 177 211	172 189	170 204	165 199	168 203	164 200	166 203	160 196	159 193	145 158	121 128	116 123	100 107				
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				
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				
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				
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				
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				
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				
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			
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			
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			
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			
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			
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			
400	Ot B BV																			69.7 93.1	67.6 92.9	67.8 91.4	60.5 83.9	57.1 74.3			
410	Ot B BV																				63 87.5	63.3 86.4	56 79	52.8 71.9			
420	Ot B BV																					58.7 82.5	58.8 81.4	51.7 74.1	48.6 69.4		
430	Ot B BV																						54.6 76.6	47.8 69.3	44.5 66.7		
440	Ot B BV																						50.7 72	43.9 64.6	41.5 62.5		
450	Ot B BV																							40.5 60.2	38.5 58.2		
460	Ot B BV																								35.6 54		
470	Ot B BV																								32.9 50.1		
480	Ot B BV																										
490	Ot B BV																										
500	Ot B BV																										

Lifting heights

Hauteurs de levage

HSLDB/HSLDBV



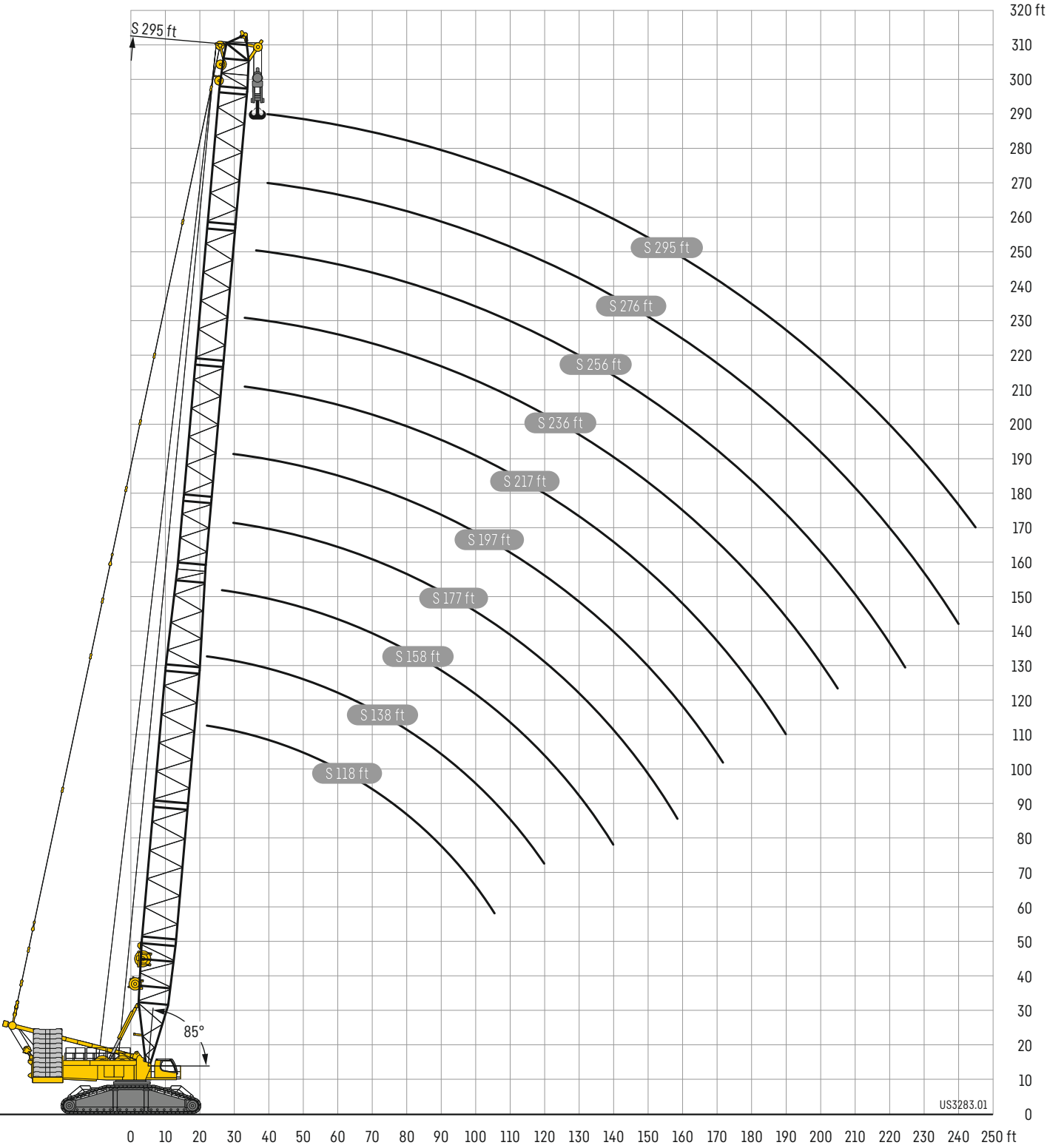


S 118 – 295											
ft	118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	ft
22	1429										22
24	1360	1367									24
26	1275	1270	1250								26
28	1181	1175	1164	1140							28
30	1097	1090	1078	1050	999						30
32	1021	1007	1007	974	928	884					32
34	950	945	939	908	867	826	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





 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	Ot	1351															
	B	1432															
	BV	1432															
26	Ot	1251	1240														
	B	1432	1432														
	BV	1432	1432														
28	Ot	1152	1144	1127													
	B	1432	1432	1432													
	BV	1432	1432	1432													
30	Ot	1063	1059	1033	976												
	B	1432	1432	1432	1432												
	BV	1432	1432	1432	1432												
32	Ot	989	983	957	903	879											
	B	1432	1432	1432	1432	1432											
	BV	1432	1432	1432	1432	1432											
34	Ot	921	916	888	842	820	875										
	B	1432	1432	1432	1432	1432	1432										
	BV	1432	1432	1432	1432	1432	1432										
36	Ot	861	857	828	785	768	822	788									
	B	1432	1432	1432	1432	1432	1432	1354									
	BV	1432	1432	1432	1432	1432	1432	1396									
38	Ot	808	803	774	736	720	773	744	713								
	B	1432	1432	1432	1432	1432	1432	1351	1210								
	BV	1432	1432	1432	1432	1432	1432	1392	1245								
40	Ot	761	755	727	692	679	730	701	675	650							
	B	1432	1432	1432	1432	1432	1422	1341	1207	1076							
	BV	1432	1432	1432	1432	1432	1432	1379	1245	1107							
45	Ot	664	656	628	599	589	636	615	593	572	552	533					
	B	1393	1385	1374	1357	1358	1349	1281	1196	1071	955	855					
	BV	1432	1432	1432	1432	1432	1391	1320	1236	1108	986	879					
50	Ot	586	575	551	527	519	563	545	526	509	491	475	461	447	428		
	B	1262	1251	1239	1227	1269	1272	1217	1154	1065	951	851	760	682	604		
	BV	1432	1432	1432	1432	1371	1319	1260	1194	1106	987	879	782	697			
55	Ot	522	509	489	468	461	502	487	470	456	440	426	415	402	386	375	363
	B	1146	1137	1130	1116	1186	1198	1156	1104	1041	945	847	756	677	604	540	481
	BV	1428	1426	1403	1352	1289	1247	1200	1145	1079	987	880	782	697	620	553	491
60	Ot	469	456	437	418	414	451	438	423	411	397	385	375	363	350	339	329
	B	1048	1042	1033	1024	1112	1123	1095	1054	1003	939	843	753	674	602	538	480
	BV	1348	1336	1307	1268	1215	1182	1144	1098	1041	967	880	783	697	620	552	491
65	Ot	422	411	395	377	373	408	397	384	373	360	349	340	330	317	308	299
	B	965	958	954	942	1033	1039	1028	1001	963	911	838	750	671	599	536	479
	BV	1242	1236	1222	1186	1148	1117	1086	1050	997	921	848	782	697	619	552	491
70	Ot	378	372	358	342	339	371	361	349	340	328	318	310	301	289	281	272
	B	893	888	882	875	959	966	957	943	920	879	827	746	669	597	534	477
	BV	1139	1147	1140	1119	1078	1057	1035	1002	948	877	810	764	696	619	551	491
75	Ot	340	336	327	313	309	339	330	319	310	300	291	283	276	264	257	248
	B	832	825	819	814	895	902	894	882	870	844	804	742	665	594	532	475
	BV	1041	1068	1061	1052	1020	999	984	957	906	838	776	734	685	619	551	490
80	Ot	309	303	299	286	283	311	303	293	285	275	267	259	253	242	235	227
	B	779	771	766	759	838	844	838	828	817	800	770	733	660	589	526	471
	BV	956	999	994	986	967	946	934	913	867	805	746	708	664	614	550	489
85	Ot	281	277	274	263	260	287	279	270	262	253	245	238	232	222	215	208
	B	729	723	718	711	784	792	786	779	769	751	732	706	653	584	519	466
	BV	877	937	933	925	913	898	886	871	832	772	718	683	639	601	549	488
90	Ot	257	254	249	243	239	265	258	249	242	233	226	220	213	204	198	191
	B	685	680	674	668	736	745	742	732	726	708	693	676	641	577	512	461
	BV	805	875	878	872	858	851	842	829	801	744	691	660	620	582	544	485
95	Ot	237	232	229	224	222	245	239	230	223	215	209	203	197	187	182	175
	B	647	640	636	629	695	702	700	693	684	671	656	642	618	569	505	455
	BV	739	813	830	823	812	804	799	788	772	719	668	639	600	563	534	482
100	Ot	218	214	211	205	205	228	222	213	207	199	193	187	182	172	167	161
	B	612	606	602	594	657	663	661	656	649	636	622	609	593	558	498	449
	BV	677	758	786	778	768	759	757	749	737	695	649	619	581	545	518	478
105	Ot	202	197	195	189	190	211	206	198	192	184	178	173	168	159	154	148
	B	579	573	570	563	622	628	625	621	616	605	591	579	566	542	490	443
	BV	615	704	744	740	729	721	717	711	702	672	629	601	564	530	503	471
110	Ot		183	180	175	176	197	192	184	178	171	165	160	155	146	142	136
	B		545	541	535	590	596	594	589	585	576	562	552	540	522	483	437
	BV		654	701	704	692	686	682	676	670	650	610	585	549	516	489	460
115	Ot		170	167	162	163	184	179	171	166	159	153	148	143	135	131	125
	B		519	514	509	561	567	565	559	556	549	537	525	516	500	474	431
	BV		606	658	671	660	652	649	643	637	626	592	569	536	503	476	447
120	Ot		159	155	149	151	171	167	160	154	147	142	137	133	124	120	115
	B		495	490	484	535	540	538	533	529	522	512	503	491	478	463	424
	BV		562	617	638	629	622	619	614	607	602	573	554	522	489	464	436
125	Ot			144	139	140	159	156	149	144	137	132	127	123	115	110	105
	B			468	462	512	515	513	508	504	497	489	481	471	457	445	416
	BV			580	606	601	593	591	586	580	575	554	540	509	477	453	427
130	Ot			134	129	130	148	146	139	134	127	122	118	113	106	102	96.5
	B			448	441	489	492	490	485	482	473	466	460	451	438	427	405
	BV			543	573	572	566	564	559	555	548	535	523	495	465	442	416
135	Ot			126	120	121	138	137	130	125	118	114	109	105	97.1	93.2	88.3
	B		</														

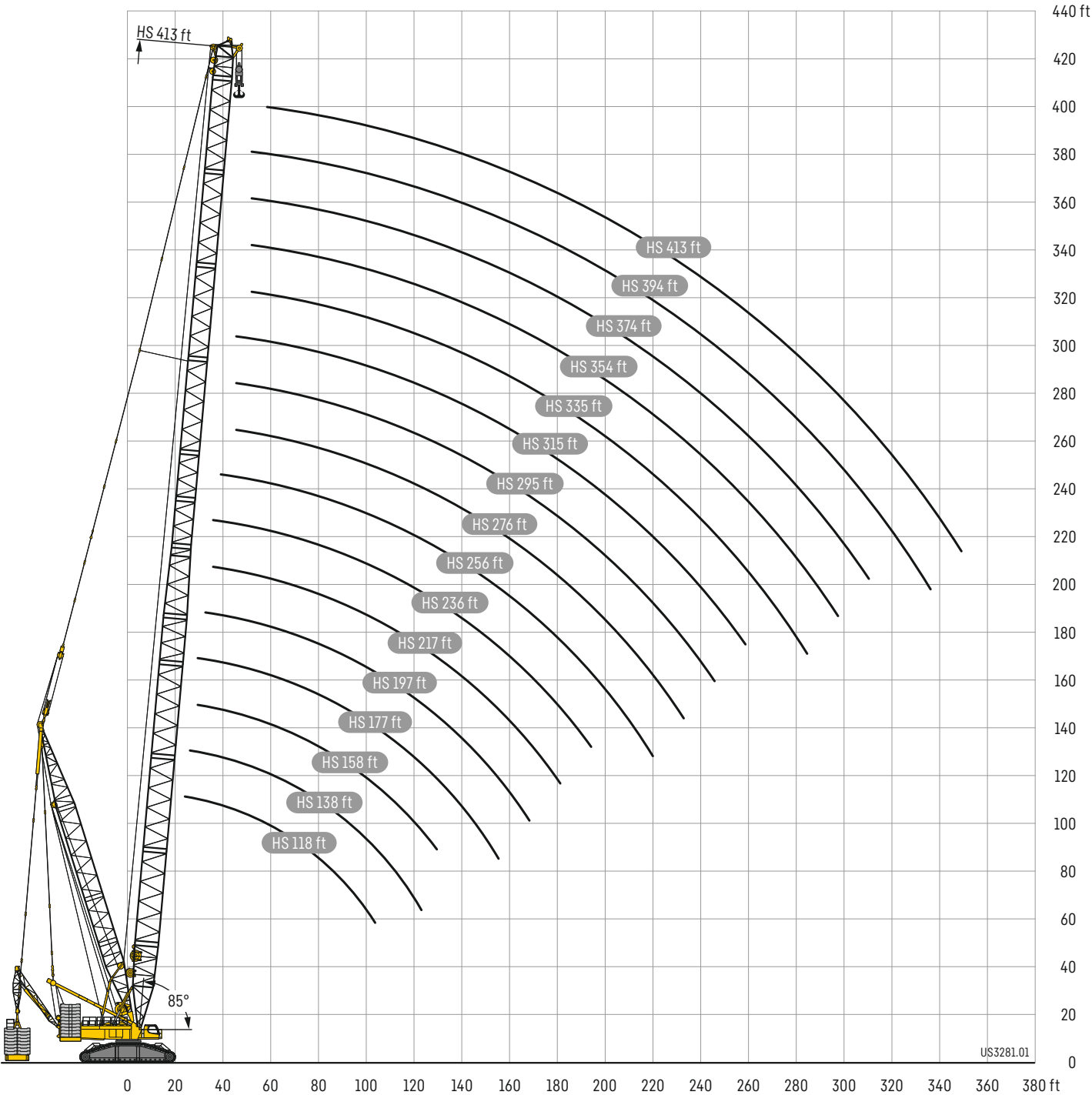


 ft		HS 118 – 413 ft															
		118 ft	138 ft	158 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft	295 ft	315 ft	335 ft	354 ft	374 ft	394 ft	413 ft
145	Ot B BV				104	105	120	119	113	108	102	97.5	93.1	89.4	82.1	78	73.3
					387	429	430	429	424	421	415	408	402	396	387	379	369
					484	501	494	494	489	485	483	476	467	453	432	413	388
150	Ot B BV				97.9	97.7	112	111	106	101	94.7	90.3	86.1	82.5	74.8	71.5	66.6
					372	413	412	411	407	403	397	391	385	380	370	364	355
					456	481	474	473	469	464	463	457	449	439	420	403	380
155	Ot B BV				91.6	91.2	104	103	99.1	94.1	88	83.6	79.3	75.7	68.5	65	60.4
					358	397	395	393	390	386	380	375	370	364	356	349	342
					428	461	455	453	450	445	443	439	431	424	409	393	372
160	Ot B BV				85	97.2	96.4	92.6	87.7	81.6	77.2	73.1	69.7	62.3	58.8	54.5	
					382	378	377	374	371	365	359	355	350	341	335	328	
					443	436	436	432	428	425	421	415	409	397	384	364	
165	Ot B BV				79.6	91.2	90.1	86	81.6	75.6	71.3	67.2	63.6	56.5	53.2	48.5	
					369	364	363	358	356	350	345	341	336	328	322	315	
					427	420	419	415	411	408	405	400	393	385	374	355	
170	Ot B BV				74.3	85.4	84	79.9	76	70	65.7	61.6	58.3	51.2	47.6	43.4	
					355	350	348	344	342	337	332	328	323	315	309	303	
					411	405	403	399	396	393	389	385	379	371	364	347	
175	Ot B BV				79.8	78.2	74.3	70.7	64.6	60.4	56.4	53	45.9	42.7	38.3		
					336	335	331	328	323	320	315	311	303	298	292		
					390	388	384	381	377	375	370	365	358	352	338		
180	Ot B BV				74.9	73.3	69.2	65.7	59.7	55.5	51.4	48.1	41.1	37.8	33.4		
					324	323	318	315	312	308	303	299	292	286	280		
					376	375	371	366	364	361	356	352	346	340	329		
185	Ot B BV				70.1	68.4	64.1	61	54.9	50.7	46.7	43.4	36.4	33.2	29		
					313	311	306	303	300	297	292	288	280	276	270		
					363	361	357	353	351	348	343	339	333	328	319		
190	Ot B BV				65.8	63.7	59.4	56.5	50.5	46.4	42.3	39	32.1	28.9	24.5		
					302	300	295	292	288	286	282	277	270	265	260		
					351	349	345	340	337	336	331	327	322	317	309		
195	Ot B BV				59.7	55.1	52	46.3	42.1	38	34.8	27.9	24.6	20.5			
					290	285	282	278	276	272	268	260	255	251			
					337	333	328	325	324	319	316	310	305	299			
200	Ot B BV				55.7	50.8	47.5	42.3	38.2	34	30.8	24	20.8	16.6			
					280	275	271	268	265	263	258	250	246	241			
					326	322	316	314	312	308	305	300	295	289			
210	Ot B BV				43.4	40.2	35	30.8	26.6	23.4	16.6						
					257	253	249	246	244	241	234	229	224				
					301	296	293	290	287	285	280	276	271				
220	Ot B BV				36.9	33.1	28.5	24.1	19.9	16.7							
					240	236	232	229	227	225	218	213	209				
					282	277	274	271	268	267	262	258	253				
230	Ot B BV				27.1	22.6	18.2	13.8									
					221	216	214	212	209	204	199	194					
					260	257	254	251	249	245	242	237					
240	Ot B BV				21.7	17.2	12.8										
					207	203	200	197	195	190	186	181					
					245	241	239	235	233	229	227	222					
250	Ot B BV				12.1												
					190	187	184	182	177	174	170						
					227	224	221	218	214	213	209						
260	Ot B BV																
270	Ot B BV																
280	Ot B BV																
290	Ot B BV																
300	Ot B BV																
310	Ot B BV																
320	Ot B BV																
330	Ot B BV																
340	Ot B BV																
350	Ot B RV																

Lifting heights

Hauteurs de levage

HSDB/HSDBV



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



B BV BW

661,400 – 881,850 lb
330,700 – 659,200 lb

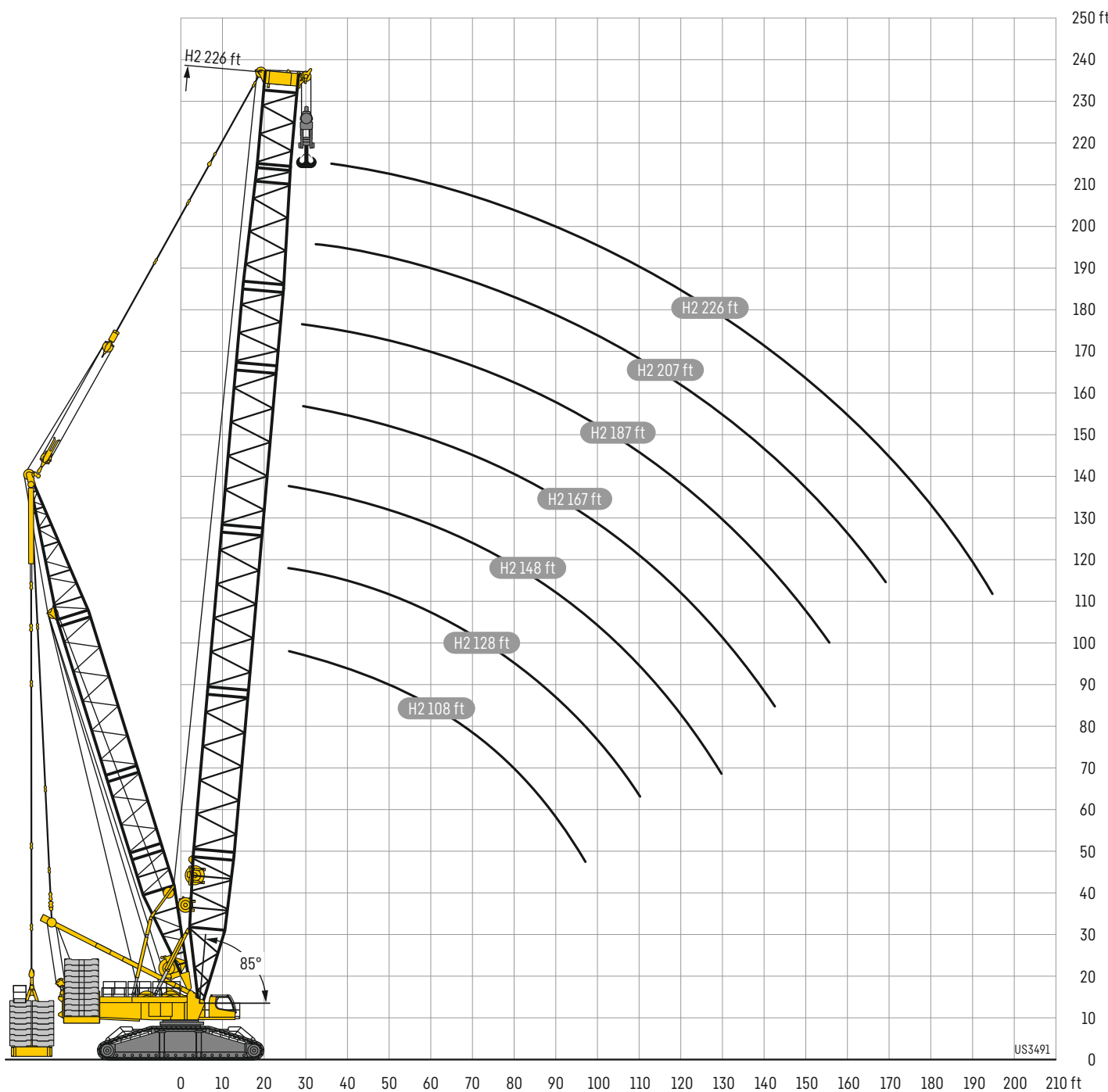
110,000 – 328,500 lb

 ft		H2 108 – 226 ft						
		108 ft	128 ft	148 ft	167 ft	187 ft	207 ft	226 ft
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





	S 118 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	961.0																				34		
36	903.0	904.0 ^[1]																				36		
38	852.0	852.0	814.0	814.0																		38		
40	806.0	806.0	771.0	772.0 ^[1]																		40		
45	710.0	710.0	681.0	681.0	658.0	658.0																45		
50	634.0	634.0	609.0	609.0	589.0	589.0	570.0	570.0														50		
55	571.0	571.0	551.0	551.0	534.0	534.0	517.0	517.0														55		
60	517.0	517.0	502.0	502.0	487.0	487.0	473.0	473.0	444.0	444.0												60		
65	471.0	471.0	461.0	461.0	448.0	448.0	435.0	435.0	409.0	409.0												65		
70	432.0	432.0	426.0	426.0	414.0	414.0	402.0	402.0	378.0	378.0	360.0	360.0										70		
75	393.0*	393.0	396.0	396.0	384.0	384.0	373.0	373.0	352.0	352.0	335.0	335.0										75		
80		360.0 ^[11]	370.0	370.0	359.0	359.0	348.0	348.0	329.0	329.0	313.0	313.0										80		
85		328.0 ^[11]	344.0	344.0	336.0	336.0	326.0	326.0	308.0	308.0	293.0	293.0	276.0	276.0								85		
90		301.0 ^[11]	320.0	320.0	316.0	316.0	307.0	307.0	289.0	289.0	276.0	276.0	259.0	259.0								90		
95		275.0 ^[11]	295.0*	295.0	298.0	298.0	289.0	289.0	272.0	272.0	260.0	260.0	244.0	244.0	232.0	232.0						95		
100		251.0 ^[11]		270.0 ^[11]	281.0	281.0	273.0	273.0	257.0	257.0	245.0	245.0	231.0	231.0	219.0	219.0	212.0	212.0				100		
105		230.0 ^[11]		247.0 ^[11]	263.0	263.0	259.0	259.0	244.0	244.0	232.0	232.0	218.0	218.0	207.0	207.0	200.0	200.0	191.0	191.0		105		
110		211.0 ^[10]		228.0 ^[11]	247.0	247.0	246.0	246.0	231.0	231.0	220.0	220.0	207.0	207.0	196.0	196.0	189.0	189.0	181.0	181.0	174.0	174.0	110	
115		193.0 ^[10]		210.0 ^[11]	229.0*	229.0	232.0	232.0	220.0	220.0	209.0	209.0	196.0	196.0	186.0	186.0	180.0	180.0	171.0	171.0	165.0	165.0	115	
120		178.0 ^[10]		194.0 ^[11]		209.0 ^[11]	219.0	219.0	209.0	209.0	199.0	199.0	186.0	186.0	177.0	177.0	170.0	170.0	162.0	162.0	156.0	156.0	120	
125		163.0 ^[9]		179.0 ^[11]		194.0 ^[11]	207.0	207.0	200.0	200.0	190.0	190.0	177.0	177.0	168.0	168.0	162.0	162.0	154.0	154.0	148.0	148.0	125	
130		150.0 ^[8]		165.0 ^[11]		180.0 ^[11]	197.0	197.0	191.0	191.0	181.0	181.0	169.0	169.0	160.0	160.0	154.0	154.0	146.0	146.0	141.0	141.0	130	
135		138.0 ^[8]		152.0 ^[11]		167.0 ^[11]	183.0*	183.0	182.0	182.0	173.0	173.0	161.0	161.0	153.0	153.0	147.0	147.0	139.0	139.0	134.0	134.0	135	
140		127.0 ^[7]		141.0 ^[10]		155.0 ^[11]		167.0 ^[11]	174.0	174.0	166.0	166.0	154.0	154.0	145.0	145.0	140.0	140.0	132.0	132.0	127.0	127.0	140	
145		117.0 ^[7]		130.0 ^[10]		144.0 ^[11]		156.0 ^[11]	166.0	166.0	159.0	159.0	147.0	147.0	139.0	139.0	133.0	133.0	125.0	125.0	121.0	121.0	145	
150		108.0 ^[6]		120.0 ^[9]		133.0 ^[11]		145.0 ^[11]	158.0	158.0	152.0	152.0	141.0	141.0	133.0	133.0	127.0	127.0	120.0	120.0	115.0	115.0	150	
155				110.0 ^[9]		123.0 ^[11]		135.0 ^[11]	151.0	151.0	146.0	146.0	135.0	135.0	127.0	127.0	121.0	121.0	114.0	114.0	109.0	109.0	155	
160				102.0 ^[8]		114.0 ^[10]		126.0 ^[11]	144.0	144.0	140.0	140.0	129.0	129.0	121.0	121.0	116.0	116.0	109.0	109.0	104.0	104.0	160	
165				93.5 ^[7]		105.0 ^[10]		117.0 ^[11]	138.0	138.0	134.0	134.0	124.0	124.0	116.0	116.0	111.0	111.0	103.0	103.0	98.9	98.9	165	
170				86.0 ^[7]		97.2 ^[9]		109.0 ^[11]	132.0	132.0	128.0	128.0	119.0	119.0	111.0	111.0	106.0	106.0	98.8	98.8	94.4	94.4	170	
175						89.3 ^[8]		101.0 ^[11]	123.0*	123.0	122.0	122.0	114.0	114.0	107.0	107.0	101.0	101.0	94.2	94.2	89.8	89.8	175	
180						82.4 ^[8]		93.0 ^[8]		110.0 ^[11]	117.0	117.0	110.0	110.0	102.0	102.0	97.2	97.2	90.1	90.1	85.7	85.7	180	
185						75.6 ^[7]		85.7 ^[10]		104.0 ^[11]	112.0	112.0	105.0	105.0	98.2	98.2	93.1	93.1	85.9	85.9	81.6	81.6	185	
190						69.4 ^[7]		78.8 ^[9]		96.9 ^[11]	107.0	107.0	101.0	101.0	94.2	94.2	89.2	89.2	82.2	82.2	77.9	77.9	190	
195								72.0 ^[8]		90.3 ^[11]	103.0	103.0	96.7	96.7	90.4	90.4	85.6	85.6	78.5	78.5	74.2	74.2	195	
200								66.6 ^[8]		83.7 ^[11]	98.8	98.8	92.9	92.9	86.9	86.9	82.0	82.0	75.0	75.0	70.9	70.9	200	
205								60.9 ^[7]		77.1 ^[11]	95.3	95.3	88.5	88.5	83.4	83.4	78.7	78.7	71.7	71.7	67.5	67.5	205	
210								55.6 ^[7]		71.5 ^[11]	92.1	92.1	84.0	84.0	79.9	79.9	75.5	75.5	68.5	68.5	64.5	64.5	210	
215								66.0 ^[11]		79.0 ^[11]	80.4	80.4	76.2	76.2	72.4	72.4	67.2	67.2	61.1	61.1	57.2	57.2	215	
220								60.9 ^[10]		73.9 ^[11]	77.0	77.0	72.8	72.8	69.3	69.3	65.5	65.5	59.9	59.9	55.9	55.9	220	
225								55.9 ^[9]		69.2 ^[11]	73.7	73.7	69.5	69.5	66.5	66.5	63.7	63.7	59.9	59.9	55.9	55.9	225	
230								51.3 ^[9]		64.4 ^[11]	70.7	70.7	66.6	66.6	63.7	63.7	60.7	60.7	57.2	57.2	53.2	53.2	230	
235								46.1 ^[8]		60.3 ^[11]	67.8	67.8	64.0	64.0	61.1	61.1	58.7	58.7	55.7	55.7	52.7	52.7	235	
240								41.3 ^[8]		56.3 ^[11]	65.4	65.4	61.5	61.5	58.7	58.7	55.7	55.7	52.7	52.7	49.7	49.7	240	
245								37.0 ^[7]		52.4 ^[11]	63.2	63.2	59.2	59.2	56.3	56.3	53.3	53.3	49.9	49.9	46.0	46.0	245	
250										48.3 ^[11]	58.9	58.9	56.9	56.9	54.1	54.1	51.1	51.1	47.7	47.7	43.8	43.8	250	
255										43.6 ^[10]			54.8	54.8	51.8	51.8	48.8	48.8	45.8	45.8	42.8	42.8	255	
260										39.1 ^[10]			47.1 ^[11]	52.7	52.7	49.7	49.7	46.7	46.7	43.7	43.7	40.7	40.7	260
265										34.4 ^[9]			42.8 ^[11]	50.6	50.6	47.6	47.6	44.6	44.6	41.6	41.6	38.6	38.6	265
270										31.2 ^[9]			38.7 ^[11]	48.4	48.4	45.4	45.2	42.4	42.4	39.4	39.4	36.4	36.4	270
275										27.5 ^[8]			35.8 ^[11]	46.4	46.4	43.4	43.4	40.4	40.4	37.4	37.4	34.4	34.4	275
280										24.0 ^[8]			32.8 ^[11]											

1) 12°: 2) 17°: 3) 22°: 4) 27°: 5) 32°: 6) 37°: 7) 42°: 8) 47°: 9) 52°: 10) 57°: 11) 62°



 ft	S 158 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
36	818.0	818.0																				36	
38	775.0	775.0																				38	
40	735.0	735.0																				40	
45	652.0	652.0	628.0	628.0																		45	
50	586.0	586.0	565.0	565.0	548.0	548.0																50	
55	531.0	531.0	512.0	512.0	498.0	498.0	483.0	483.0														55	
60	485.0	485.0	469.0	469.0	456.0	456.0	443.0	443.0														60	
65	447.0	447.0	432.0	432.0	420.0	420.0	408.0	408.0	385.0	385.0												65	
70	415.0	415.0	400.0	400.0	389.0	389.0	379.0	379.0	357.0	357.0												70	
75	374.0*	380.0 ⁽¹¹⁾	372.0	372.0	362.0	362.0	352.0	352.0	333.0	333.0	315.0	315.0										75	
80	352.0*	352.0	348.0	348.0	338.0	338.0	329.0	329.0	311.0	311.0	294.0	294.0										80	
85		320.0 ⁽¹¹⁾	325.0	325.0	317.0	317.0	309.0	309.0	292.0	292.0	276.0	276.0	259.0	259.0								85	
90		292.0 ⁽¹¹⁾	305.0	305.0	299.0	299.0	291.0	291.0	274.0	274.0	260.0	260.0	244.0	244.0								90	
95		268.0 ⁽¹¹⁾	282.0*	283.0 ⁽¹¹⁾	281.0	281.0	274.0	274.0	259.0	259.0	245.0	245.0	230.0	230.0	217.0	217.0						95	
100		247.0 ⁽¹¹⁾		263.0 ⁽¹¹⁾	265.0	265.0	260.0	260.0	245.0	245.0	232.0	232.0	217.0	217.0	206.0	206.0	195.0	195.0				100	
105		226.0 ⁽¹¹⁾		244.0 ⁽¹¹⁾	251.0	251.0	245.0	245.0	232.0	232.0	219.0	219.0	206.0	206.0	195.0	195.0	188.0	188.0	178.0	178.0		105	
110		208.0 ⁽¹¹⁾		224.0 ⁽¹¹⁾	237.0	237.0	232.0	232.0	220.0	220.0	208.0	208.0	195.0	195.0	185.0	185.0	178.0	178.0	169.0	169.0	157.0	157.0	110
115		191.0 ⁽¹¹⁾		208.0 ⁽¹¹⁾	223.0*	223.0	220.0	220.0	209.0	209.0	198.0	198.0	185.0	185.0	175.0	175.0	169.0	169.0	160.0	160.0	153.0	153.0	115
120		175.0 ⁽¹¹⁾		192.0 ⁽¹¹⁾		207.0 ⁽¹¹⁾	210.0	210.0	200.0	200.0	188.0	188.0	176.0	176.0	167.0	167.0	160.0	160.0	152.0	152.0	146.0	146.0	120
125		161.0 ⁽¹⁰⁾		176.0 ⁽¹¹⁾		192.0 ⁽¹¹⁾	200.0	200.0	190.0	190.0	179.0	179.0	167.0	167.0	158.0	158.0	152.0	152.0	144.0	144.0	138.0	138.0	125
130		148.0 ⁽¹⁰⁾		163.0 ⁽¹¹⁾		178.0 ⁽¹¹⁾	190.0	190.0	181.0	181.0	171.0	171.0	159.0	159.0	151.0	151.0	145.0	145.0	137.0	137.0	131.0	131.0	130
135		135.0 ⁽¹⁰⁾		150.0 ⁽¹¹⁾		165.0 ⁽¹¹⁾	180.0*	180.0	172.0	172.0	164.0	164.0	152.0	152.0	144.0	144.0	138.0	138.0	130.0	130.0	124.0	124.0	135
140		125.0 ⁽¹⁰⁾		138.0 ⁽¹¹⁾		153.0 ⁽¹¹⁾		166.0 ⁽¹¹⁾	164.0	164.0	156.0	156.0	145.0	145.0	137.0	137.0	131.0	131.0	123.0	123.0	118.0	118.0	140
145		114.0 ⁽¹⁰⁾		128.0 ⁽¹¹⁾		141.0 ⁽¹¹⁾		155.0 ⁽¹¹⁾	157.0	157.0	149.0	149.0	138.0	138.0	131.0	131.0	125.0	125.0	117.0	117.0	112.0	112.0	145
150		105.0 ⁽⁹⁾		118.0 ⁽¹¹⁾		131.0 ⁽¹¹⁾		143.0 ⁽¹¹⁾	150.0	150.0	142.0	142.0	132.0	132.0	125.0	125.0	119.0	119.0	112.0	112.0	107.0	107.0	150
155		95.9 ⁽⁸⁾		108.0 ⁽¹⁰⁾		122.0 ⁽¹¹⁾		134.0 ⁽¹¹⁾	144.0	144.0	136.0	136.0	127.0	127.0	119.0	119.0	114.0	114.0	106.0	106.0	101.0	101.0	155
160		87.7 ⁽⁸⁾		99.3 ⁽¹⁰⁾		112.0 ⁽¹¹⁾		124.0 ⁽¹¹⁾	139.0	139.0	130.0	130.0	121.0	121.0	114.0	114.0	109.0	109.0	101.0	101.0	96.5	96.5	160
165		80.2 ⁽⁷⁾		90.9 ⁽¹⁰⁾		104.0 ⁽¹¹⁾		115.0 ⁽¹¹⁾	133.0	133.0	125.0	125.0	116.0	116.0	108.0	108.0	104.0	104.0	96.4	96.4	91.8	91.8	165
170		72.9 ⁽⁷⁾		83.4 ⁽⁹⁾		95.7 ⁽¹¹⁾		107.0 ⁽¹¹⁾	127.0	127.0	119.0	119.0	110.0	110.0	104.0	104.0	99.3	99.3	91.8	91.8	87.4	87.4	170</

1) 12°: 2) 17°: 3) 22°: 4) 27°: 5) 32°: 6) 37°: 7) 42°: 8) 47°: 9) 52°: 10) 57°: 11) 62°



 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	781.0																	36
38	741.0	741.0																	38
40	704.0	704.0																	40
45	627.0	627.0	604.0	604.0															45
50	564.0	564.0	545.0	545.0	526.0	526.0													50
55	512.0	512.0	495.0	495.0	479.0	479.0	465.0	465.0											55
60	469.0	469.0	454.0	454.0	440.0	440.0	427.0	427.0											60
65	429.0	429.0	418.0	418.0	406.0	406.0	394.0	394.0	374.0	374.0									65
70	394.0	394.0	387.0	387.0	376.0	376.0	366.0	366.0	348.0	348.0									70
75	364.0	365.0 ^[11]	357.0	357.0	350.0	350.0	341.0	341.0	324.0	324.0	307.0	307.0							75
80	339.0*	339.0	332.0	332.0	327.0	327.0	319.0	319.0	304.0	304.0	288.0	288.0							80
85		312.0 ^[11]	310.0	310.0	304.0	304.0	298.0	298.0	285.0	285.0	270.0	270.0	251.0	251.0					85
90		286.0 ^[11]	291.0	291.0	284.0	284.0	279.0	279.0	268.0	268.0	255.0	255.0	236.0	236.0					90
95		260.0 ^[11]	273.0*	274.0 ^[11]	266.0	266.0	263.0	263.0	253.0	253.0	240.0	240.0	223.0	223.0	203.0	203.0			95
100		240.0 ^[11]	260.0*	260.0	251.0	251.0	247.0	247.0	239.0	239.0	227.0	227.0	210.0	210.0	196.0	196.0	182.0	182.0	100
105		222.0 ^[11]		238.0 ^[11]	237.0*	237.0	232.0	233.0 ^[7]	225.0	225.0	215.0	215.0	199.0	199.0	188.0	188.0	178.0	178.0	105
110		204.0 ^[11]		220.0 ^[11]	225.0*	225.0	220.0	220.0	212.0	212.0	204.0	204.0	188.0	188.0	178.0	178.0	172.0	172.0	110
115		187.0 ^[11]		202.0 ^[11]	215.0*	215.0	208.0*	209.0 ^[8]	200.0	200.0	192.0	192.0	178.0	178.0	168.0	168.0	163.0	163.0	115
120		173.0 ^[11]		188.0 ^[11]	207.0*	207.0	199.0*	199.0	190.0	190.0	182.0	182.0	168.0	168.0	159.0	159.0	154.0	154.0	120
125		159.0 ^[11]		175.0 ^[11]		188.0 ^[11]	190.0*	190.0	181.0	181.0	172.0	172.0	159.0	159.0	151.0	151.0	146.0	146.0	125
130		146.0 ^[10]		161.0 ^[11]		174.0 ^[11]	182.0*	182.0	172.0*	172.0	164.0	164.0	151.0	151.0	142.0	142.0	139.0	139.0	130
135		135.0 ^[10]		149.0 ^[11]		162.0 ^[11]	175.0*	175.0	164.0*	164.0	156.0	156.0	143.0	143.0	135.0	135.0	131.0	131.0	135
140		123.0 ^[10]		138.0 ^[11]		151.0 ^[11]	169.0*	169.0	157.0*	157.0	149.0	149.0	136.0	136.0	128.0	128.0	124.0	124.0	140
145		113.0 ^[10]		126.0 ^[11]		140.0 ^[11]		152.0 ^[11]	151.0*	151.0	142.0	142.0	129.0	129.0	122.0	122.0	118.0	118.0	145
150		103.0 ^[9]		116.0 ^[11]		129.0 ^[11]		141.0 ^[11]	145.0*	145.0	135.0*	136.0 ^[6]	123.0	123.0	116.0	116.0	112.0	112.0	150
155		94.2 ^[9]		107.0 ^[11]		120.0 ^[11]		131.0 ^[11]	139.0*	139.0	130.0*	130.0	117.0	117.0	111.0	111.0	107.0	107.0	155
160		86.1 ^[9]		97.9 ^[11]		111.0 ^[11]		122.0 ^[11]	134.0*	134.0	125.0*	125.0	112.0	112.0	106.0	106.0	101.0	101.0	160
165		78.3 ^[8]		89.5 ^[10]		102.0 ^[11]		113.0 ^[11]	129.0*	129.0	120.0*	120.0	107.0	107.0	100.0	101.0 ^[4]	96.8	96.8	165
170		70.8 ^[7]		81.9 ^[10]		93.5 ^[11]		104.0 ^[11]	125.0*	125.0	115.0*	115.0	103.0	103.0	95.7	95.7	92.3	92.3	170
175		64.3 ^[7]		74.2 ^[10]		85.7 ^[11]		96.7 ^[11]	120.0*	120.0	111.0*	111.0	98.2	98.2	91.4	91.4	87.8	87.8	175
180		57.8 ^[7]		67.7 ^[9]		77.8 ^[11]		89.1 ^[11]	114.0*	114.0	107.0*	107.0	93.9	93.9	87.1	87.1	83.6	83.6	180
185		52.0 ^[6]		61.4 ^[9]		71.1 ^[10]		81.5 ^[11]		102.0 ^[11]	103.0*	103.0	90.0*	90.0	83.2*	83.4 ^[5]	79.7	79.7	185
190		46.6 ^[6]		55.2 ^[8]		65.1 ^[10]		75.0 ^[11]		94.5 ^[11]	99.3*	99.3	86.4*	86.4	79.6*	79.8 ^[5]	75.9	75.9	190
195				49.8 ^[8]		59.1 ^[10]		68.9 ^[11]		87.8 ^[11]	95.8*	95.8	83.0*	83.0	76.3*	76.3	72.2	72.3 ^[5]	195
200				44.4 ^[8]		53.4 ^[9]		62.8 ^[11]		81.2 ^[11]	92.7*	92.7	79.8*	79.8	73.1*	73.1	68.8	68.8	200
205				39.5 ^[7]		48.0 ^[9]		57.0 ^[10]		74.5 ^[11]	89.3*	89.3	76.7*	76.7	70.0*	70.0	65.5	65.5	205
210				34.7 ^[7]		42.7 ^[8]		51.9 ^[10]		68.5 ^[11]	84.5*	84.5	73.8*	73.8	67.1*	67.1	62.3	62.3	210
215						38.0 ^[8]		46.7 ^[10]		63.7 ^[11]	81.0*	81.0	71.0*	71.0	64.3*	64.3	59.5	59.5	215
220						33.3 ^[8]		41.8 ^[9]		58.9 ^[11]		72.3 ^[11]	68.4*	68.4	61.6*	61.6	56.8*	56.9 ^[6]	220
225						28.8 ^[7]		37.1 ^[9]		54.1 ^[11]		66.7 ^[11]	65.9*	65.9	59.1*	59.1	54.3*	54.3	225
230						24.6 ^[7]		32.4 ^[8]		49.0 ^[11]		61.8 ^[11]	63.5*	63.5	56.7*	56.7	51.9*	51.9	230
235								28.3 ^[8]		44.0 ^[11]		57.5 ^[11]	61.3*	61.3	54.3*	54.3	49.6*	49.6	235
240								24.1 ^[8]		38.9 ^[11]		53.2 ^[11]	59.2*	59.2	52.1*	52.1	47.3*	47.3	240
245								20.1 ^[7]		34.8 ^[10]		49.0 ^[11]	57.1*	57.1	50.0*	50.0	45.2*	45.2	245
250								16.4 ^[7]		31.2 ^[10]		44.8 ^[11]	55.0*	55.0	47.9*	47.9	43.2*	43.2	250
255										27.1 ^[9]		40.7 ^[11]	52.8*	52.8	46.0*	46.0	41.3*	41.3	255
260										23.4 ^[9]		36.5 ^[11]		42.8 ^[11]	44.1*	44.1	39.4*	39.4	260
265										19.6 ^[9]		32.5 ^[11]		38.5 ^[11]	42.3*	42.3	37.9	37.9	265
270												28.9 ^[11]		35.0 ^[11]	40.6*	40.6	36.5	36.5	270
275												25.3 ^[11]		31.4 ^[11]	39.0*	39.0	35.1	35.1	275
280												20.9 ^[10]		27.9 ^[11]	37.5*	37.5	33.7	33.7	280
285												17.4 ^[10]		24.4 ^[11]	36.0*	36.0	32.5	32.5	285
290												13.9 ^[10]		21.0 ^[11]	34.6*	34.6	31.2	31.2	290
295														17.6 ^[11]	33.3*	33.3	30.0	30.0	295
300														14.1 ^[11]		23.4 ^[11]	28.8	28.8	300
305																20.2 ^[11]	27.7	27.7	305
310																17.1 ^[11]	27.1	27.1	310
315																24.0*	24.0	24.0	315
320																	13.5 ^[11]	13.5	320
325																	10.7 ^[11]	10.7	325
330																	7.9 ^[11]	7.9	330

1) 12°; 2) 17°; 3) 22°; 4) 27°; 5) 32°; 6) 37°; 7) 42°; 8) 47°; 9) 52°; 10) 57°; 11) 62°

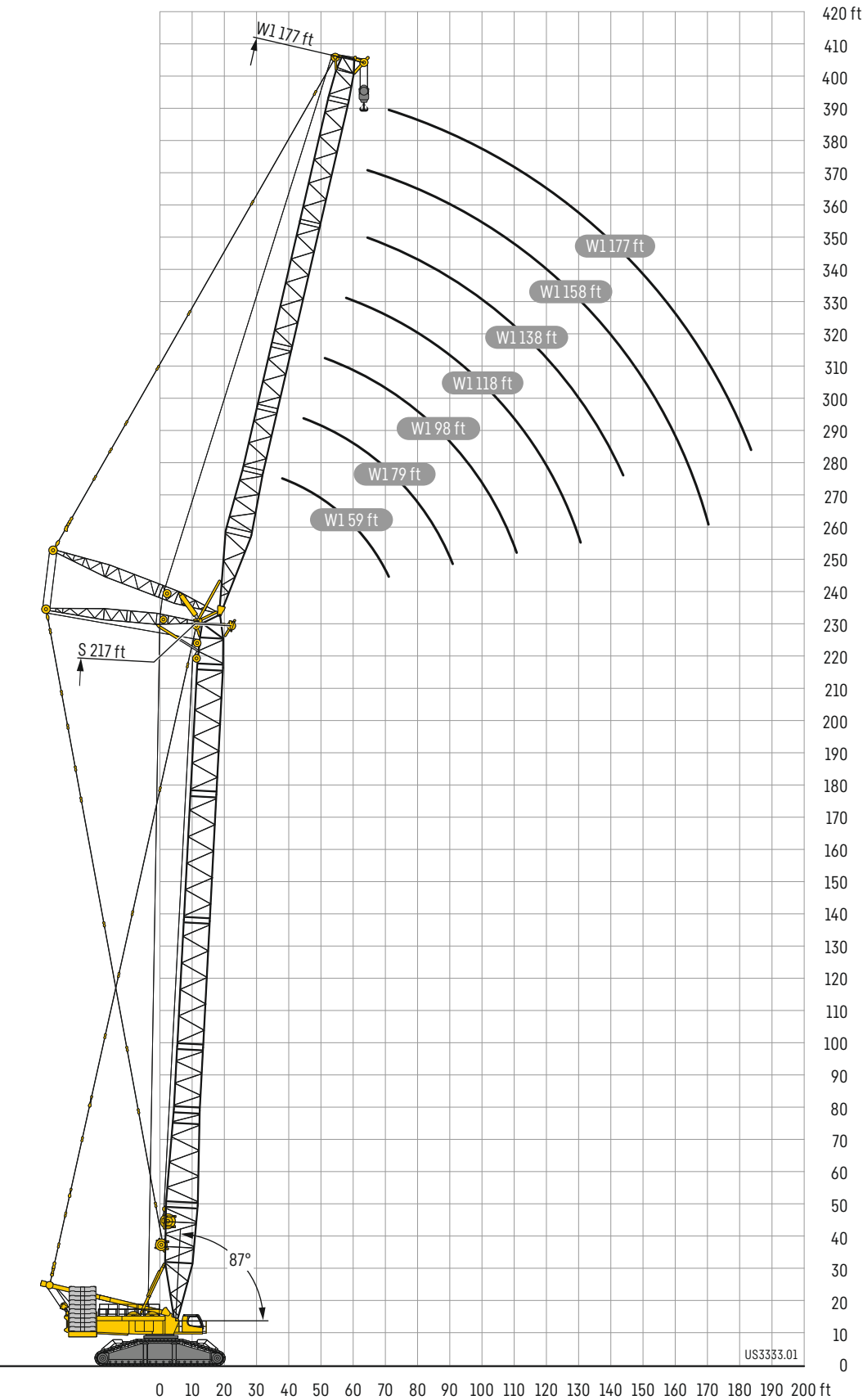


 ft	S 197 ft														S 217 ft														 ft
	W1 59 ft		W1 79 ft		W1 98 ft		W1 118 ft		W1 158 ft		W1 197 ft		W1 236 ft		W1 59 ft		W1 79 ft		W1 98 ft		W1 118 ft		W1 158 ft		W1 177 ft				
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
38	708.0	709.0 ¹¹													669.0	669.0												38	
40	675.0	675.0													647.0	647.0												40	
45	602.0	602.0	581.0	581.0											579.0	579.0	560.0	560.0										45	
50	543.0	543.0	525.0	525.0	508.0	508.0									524.0	524.0	507.0	507.0	491.0	491.0								50	
55	495.0	495.0	479.0	479.0	464.0	464.0	451.0	451.0							471.0	473.0 ⁶¹	462.0	462.0	449.0	449.0	433.0	433.0						55	
60	448.0	448.0	439.0	439.0	426.0	426.0	414.0	414.0							428.0	430.0 ⁶¹	419.0	421.0 ⁶¹	413.0	413.0	399.0	399.0						60	
65	409.0	410.0 ⁷¹	402.0	402.0	394.0	394.0	383.0	383.0	362.0	362.0					390.0	394.0 ⁶¹	383.0	385.0 ⁶¹	376.0	377.0 ⁶¹	366.0	366.0						65	
70	377.0	378.0 ⁹¹	370.0	370.0	364.0	364.0	356.0	356.0	336.0	336.0					361.0*	363.0 ⁷¹	353.0	353.0	346.0	347.0 ⁶¹	337.0	337.0	320.0	320.0				70	
75	349.0*	351.0 ¹⁰¹	341.0	342.0 ⁶¹	335.0	336.0 ⁶¹	330.0	330.0	314.0	314.0	295.0	295.0			336.0*	337.0 ⁹¹	327.0*	328.0 ⁶¹	320.0	321.0 ⁶¹	312.0	313.0 ⁶¹	297.0	297.0	290.0	290.0		75	
80	327.0*	327.0	317.0	318.0 ⁷¹	310.0	311.0 ⁶¹	307.0	307.0	293.0	293.0	277.0	277.0			315.0*	316.0 ¹⁰¹	306.0*	306.0	297.0*	299.0 ⁶¹	290.0	291.0 ⁶¹	277.0	277.0	271.0	271.0		80	
85		303.0 ¹¹¹	297.0*	298.0 ⁸¹	290.0	290.0	286.0	286.0	273.0	273.0	260.0	260.0			298.0*	298.0	287.0*	287.0	279.0*	280.0 ⁶¹	270.0*	271.0 ⁶¹	258.0	258.0	253.0	253.0		85	
90		279.0 ¹¹¹	279.0*	280.0 ⁹¹	271.0*	272.0 ⁶¹	267.0	267.0	256.0	256.0	244.0	244.0	228.0	228.0		273.0 ¹¹¹	271.0*	271.0	263.0*	263.0	254.0*	255.0 ⁶¹	241.0	241.0	237.0	238.0 ²¹		90	
95		256.0 ¹¹¹	264.0*	264.0*	256.0*	257.0 ³¹	250.0	252.0 ³¹	240.0	240.0	229.0	229.0	214.0	214.0		250.0 ¹¹¹	256.0*	256.0	249.0*	249.0	240.0*	240.0	226.0*	228.0 ³¹	222.0	222.0		95	
100		232.0 ¹¹¹	251.0*	251.0*	242.0*	242.0	236.0*	236.0	226.0	226.0	214.0	214.0	201.0	201.0		228.0 ¹¹¹	243.0*	243.0	235.0*	235.0	227.0*	227.0	214.0*	215.0 ³¹	209.0*	209.0		100	
105		216.0 ¹¹¹		233.0 ¹¹¹	230.0*	230.0	224.0*	224.0	212.0	213.0 ⁶¹	202.0	202.0	190.0	190.0		208.0 ¹¹¹	232.0*	232.0	223.0*	223.0	215.0*	215.0	203.0*	203.0	198.0*	199.0 ³¹		105	
110		199.0 ¹¹¹		216.0 ¹¹¹	219.0*	219.0	213.0*	213.0	200.0*	201.0 ⁶¹	191.0	191.0	180.0	180.0		193.0 ¹¹¹	211.0 ¹¹¹	213.0*	213.0	205.0*	205.0	193.0*	193.0	188.0*	188.0			110	
115		182.0 ¹¹¹		198.0 ¹¹¹	209.0*	209.0	203.0*	203.0	191.0*	191.0	181.0	181.0	169.0	169.0		178.0 ¹¹¹		195.0 ¹¹¹	203.0*	203.0	195.0*	195.0	183.0*	183.0	179.0*	179.0		115	
120		168.0 ¹¹¹		183.0 ¹¹¹	200.0*	200.0	193.0*	193.0	182.0*	182.0	171.0*	171.0	160.0	160.0		163.0 ¹¹¹		178.0 ¹¹¹	194.0*	194.0	186.0*	186.0	175.0*	175.0	170.0*	170.0		120	
125		155.0 ¹¹¹		170.0 ¹¹¹		184.0 ¹¹¹	185.0*	185.0	173.0*	173.0	163.0*	163.0	152.0	152.0		149.0 ¹¹¹		165.0 ¹¹¹		180.0 ¹¹¹	178.0*	178.0	167.0*	167.0	162.0*	162.0		125	
130		143.0 ¹¹¹		157.0 ¹¹¹		171.0 ¹¹¹	177.0*	177.0	165.0*	165.0	156.0*	156.0	144.0*	145.0 ³¹		138.0 ¹¹¹		153.0 ¹¹¹		168.0 ¹¹¹	170.0*	170.0	159.0*	159.0	155.0*	155.0		130	
135		131.0 ¹¹¹		145.0 ¹¹¹		158.0 ¹¹¹	170.0*	170.0	158.0*	158.0	149.0*	149.0	137.0*	137.0		127.0 ¹¹¹		141.0 ¹¹¹		155.0 ¹¹¹	163.0*	163.0	152.0*	152.0	148.0*	148.0		135	
140		121.0 ¹¹¹		134.0 ¹¹¹		147.0 ¹¹¹	164.0*	164.0	152.0*	152.0	142.0*	142.0	131.0*	131.0		115.0 ¹¹¹		130.0 ¹¹¹		143.0 ¹¹¹	157.0*	157.0	146.0*	146.0	142.0*	142.0		140	
145		111.0 ¹¹¹		124.0 ¹¹¹		137.0 ¹¹¹		149.0 ¹¹¹	145.0*	145.0	136.0*	136.0	125.0*	125.0		106.0 ¹¹¹		120.0 ¹¹¹		133.0 ¹¹¹		145.0 ¹¹¹	140.0*	140.0	136.0*	136.0		145	
150		101.0 ¹⁰¹		114.0 ¹¹¹		127.0 ¹¹¹		139.0 ¹¹¹	140.0*	140.0	130.0*	130.0	119.0*	119.0		97.1 ¹¹¹		110.0 ¹¹¹		124.0 ¹¹¹		135.0 ¹¹¹	134.0*	134.0	130.0*	130.0		150	
155		92.6 ¹⁰¹		105.0 ¹¹¹		117.0 ¹¹¹		128.0 ¹¹¹	134.0*	134.0	125.0*	125.0	114.0*	114.0		88.2 ¹⁰¹		101.0 ¹¹¹		114.0 ¹¹¹		125.0 ¹¹¹	129.0*	129.0	125.0*	125.0		155	
160		84.5 ¹⁰¹		96.5 ¹¹¹		108.0 ¹¹¹		120.0 ¹¹¹	129.0*	129.0	120.0*	120.0	109.0*	109.0		79.8 ¹⁰¹		92.3 ¹¹¹		105.0 ¹¹¹		115.0 ¹¹¹	124.0*	124.0	120.0*	120.0		160	
165		76.5 ⁹¹		88.3 ¹¹¹		100.0 ¹¹¹		112.0 ¹¹¹	124.0*	124.0	115.0*	115.0	105.0*	105.0		72.7 ¹⁰¹		84.7 ¹¹¹		96.7 ¹¹¹		107.0 ¹¹¹	119.0*	119.0	115.0*	115.0		165	
170		69.4 ⁹¹		80.1 ¹¹¹		92.0 ¹¹¹		104.0 ¹¹¹	120.0*	120.0	111.0*	111.0	100.0*	100.0		65.7 ¹⁰¹		77.3 ¹¹¹		89.1 ¹¹¹		99.2 ¹¹¹	115.0*	115.0	111.0*	111.0		170	
175		62.6 ⁸¹		73.4 ¹⁰¹		84.2 ¹¹¹		95.3 ¹¹¹	116.0*	116.0	106.0*	106.0	96.0*	96.0		58.6 ⁹¹		70.0 ¹¹¹		81.6 ¹¹¹		91.4 ¹¹¹	111.0*	111.0	107.0*	107.0		175	
180		55.8 ⁸¹		66.6 ¹⁰¹		77.3 ¹¹¹		88.2 ¹¹¹	112.0*	112.0	103.0*	103.0	92.1*	92.1		52.6 ⁹¹		62.8 ¹⁰¹		74.0 ¹¹¹		83.6 ¹¹¹	108.0*	108.0	103.0*	103.0		180	
185		50.2 ⁷¹		59.9 ¹⁰¹		70.4 ¹¹¹		81.0 ¹¹¹		99.5 ¹¹¹	98.8*	98.8	88.4*	88.4		46.8 ⁹¹		56.8 ¹⁰¹		67.7 ¹¹¹		77.2 ¹¹¹		96.1 ¹¹¹	99.6*	99.6		185	
190		44.7 ⁷¹		53.9 ⁹¹		63.4 ¹⁰¹		73.9 ¹¹¹		92.4 ¹¹¹	95.2*	95.2	84.9*	84.9		41.0 ⁸¹		50.8 ¹⁰¹		61.4 ¹¹¹		70.8 ¹¹¹		89.1 ¹¹¹	96.2*	96.2		190	
195		39.3 ⁷¹		48.6 ⁹¹		57.8 ¹⁰¹		67.4 ¹¹¹		85.7 ¹¹¹	91.9*	91.9	81.6*	81.6		35.8 ⁸¹		44.8 ¹⁰¹		55.1 ¹¹¹		64.4 ¹¹¹		82.1 ¹¹¹	93.1*	93.1		195	
200		34.5 ⁶¹		42.6 ⁷¹		52.2 ¹⁰¹		62.0 ¹¹¹		79.6 ¹¹¹	88.8*	88.8	78.4*	78.4		30.9 ⁸¹		39.5 ⁹¹		48.9 ¹⁰¹		58.0 ¹¹¹		76.0 ¹¹¹	90.4*	90.4		200	
205		29.6 ⁶¹		37.8 ⁷¹		46.6 ¹⁰¹		56.5 ¹¹¹		73.5 ¹¹¹	85.8*	85.8	75.3*	75.3		26.0 ⁷¹		34.4 ⁹¹		43.7 ¹⁰¹		52.6 ¹¹¹		70.3 ¹¹¹		78.8 ¹¹¹		205	
210				33.0 ⁷¹		41.5 ⁹¹		50.6 ¹⁰¹		67.5 ¹¹¹	82.7*	82.7	72.5*	72.5		21.6 ⁷¹		29.4 ⁹¹		38.4 ¹⁰¹		47.2 ¹¹¹		64.6 ¹¹¹		72.8 ¹¹¹		210	
215				28.3 ⁷¹		36.7 ⁹¹		45.7 ¹⁰¹		61.8 ¹¹¹	79.3*	79.3	69.7*	69.7		17.4 ⁶¹		24.8 ⁸¹		33.2 ¹⁰¹		41.7 ¹¹¹		58.9 ¹¹¹		66.8 ¹¹¹		215	
220				24.1 ⁷¹		31.8 ⁹¹		40.7 ¹⁰¹		56.9 ¹¹¹	76.1*	76.1	67.1*	67.1		13.3 ⁶¹		20.4 ⁸¹		28.5 ⁹¹		36.2 ¹⁰¹		53.5 ¹¹¹		61.7 ¹¹¹		220	
225				19.8 ⁶¹		27.3 ⁸¹		35.7 ¹⁰¹																					

Lifting heights

Hauteurs de levage

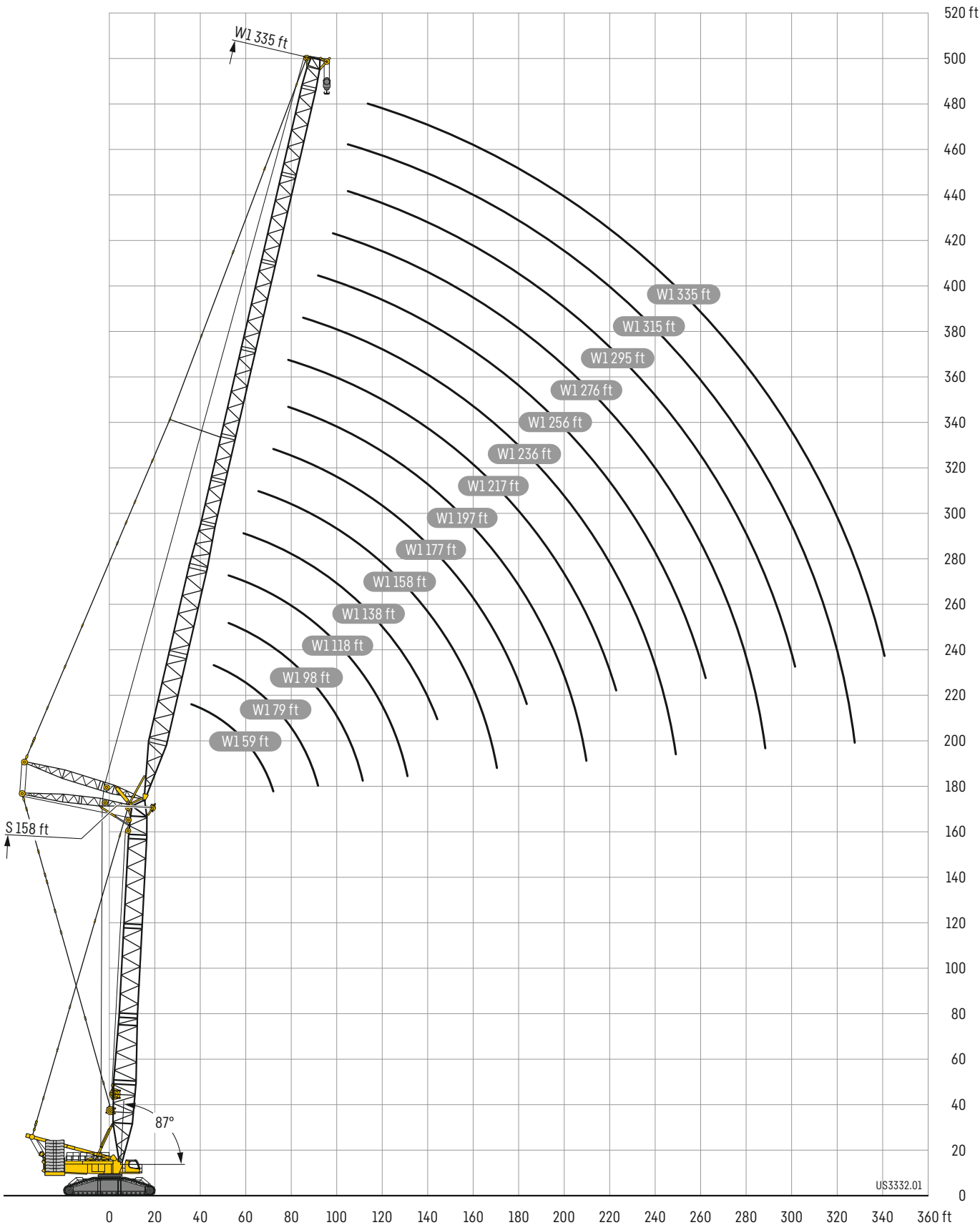
SW1



Lifting heights

Hauteurs de levage

SW1



HSDWB / HSDWBV

HS 138 ft

138 ft
HS

128 ft
D

59 – 335 ft
W

154,300 lb
B

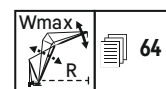
463,000 lb
BV

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

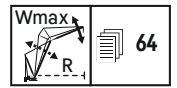
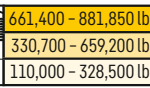
Wmax
R₁

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														



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 ^[1]	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 ^[1]	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 ^[1]	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 ^[1]	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		

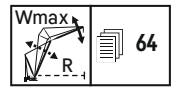
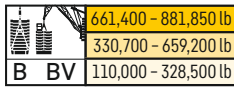


661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb



64

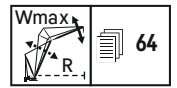
 ft		HS 158 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
180	B				292.0 ^[8]		295.0 ^[10]		306.0 ^[11]		301.0 ^[7]	253.0*	297.0 ^[3]	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 ^[3]	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 ^[9]		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											</											



 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]													



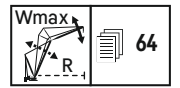
661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb



 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 ⁽³⁾	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⁾		196.0 ⁽¹¹⁾		203.0 ⁽⁹⁾	165.0*	197.0 ⁽³⁾	163.0*	193.0 ⁽⁴⁾	161.0*	190.0 ⁽³⁾	158.0*	179.0 ⁽³⁾	147.0*	153.0 ⁽³⁾
	BV								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⁾		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⁾		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																						

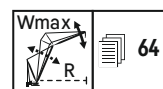


661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



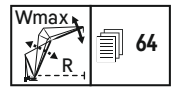
	ft	HS 197 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
38	B	975.0	975.0																				
	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]	</																	

HS 197 ft

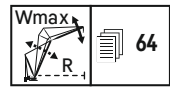
46 LR1800-1.0



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

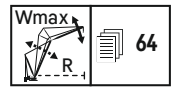


	ft	HS 217 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
38	B	915.0	915.0																				
	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 [[]												

48 LR 1800-1.0



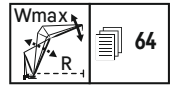
661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



	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 ^[1]	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 ^[1]	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 ^[1]	467.0*	570.0 ^[1]	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	
	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	
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	
	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	
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	
	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	
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	
	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	
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*	
	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	
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*	
	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*	
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*	
	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*	
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*	
	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*	
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*	
	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*	
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*	
	BV		467.0 ^[1]		473.0 ^[1]		465.0 ^[1]		462.0 ^[1]	336.0*	451.0 ^[1]	309.0*	383.0 ^[1]	275.0*	301.0 ^[1]	226.0*	232.0 ^[1]	191.0*	196.0 ^[1]				



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



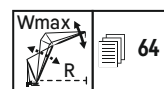
 ft		HS 236 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
200	B		256.0 ⁽⁹⁾		267.0 ⁽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				175.0 ⁽⁸⁾		175.0 ⁽⁹⁾		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⁾	192.0 ⁽¹⁰⁾	134.0*	189.0 ⁽⁷⁾	143.0*	184.0 ⁽³⁾	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⁾	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⁾	182.0 ⁽¹¹⁾		178.0 ⁽⁷⁾	135.0*	174.0 ⁽³⁾	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⁾	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 ⁽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⁾	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⁾	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⁾	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⁾	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⁾	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⁾	133.0 ⁽¹⁰⁾	144.0 ⁽¹⁰⁾		142.0 ⁽⁸⁾	99.5*	138.0 ⁽⁶⁾	97.5*	135.0 ⁽⁵⁾	91.7*	124.0 ⁽⁵⁾		
	BV								148.0 ⁽⁸⁾		163.0 ⁽¹⁰⁾	163.0 ⁽¹⁰⁾	160.0 ⁽⁸⁾	101.0*	159.0 ⁽⁴⁾	102.0*	148.0 ⁽⁴⁾	102.0*	159.0 ⁽⁴⁾	96.1*	127.0 ⁽⁵⁾		
320	B								107.0 ⁽⁷⁾		122.0 ⁽¹⁰⁾	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⁾	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⁾	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⁾	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⁾	115.0 ⁽¹¹⁾	120.0 ⁽⁹⁾		119.0 ⁽⁸⁾	69.8*	119.0 ⁽⁸⁾	69.8*	116.0 ⁽⁷⁾	76.8*	113.0 ⁽⁶⁾		
	BV								129.0 ⁽⁹⁾		141.0 ⁽¹⁰⁾	141.0 ⁽¹⁰⁾	141.0 ⁽⁷⁾		141.0 ⁽⁷⁾	69.8*	138.0 ⁽⁶⁾	69.8*	134.0 ⁽⁵⁾	80.3*	122.0 ⁽⁵⁾		
350	B								91.4 ⁽⁸⁾		105.0 ⁽¹⁰⁾	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⁾	132.0 ⁽¹⁰⁾	134.0 ⁽⁸⁾		134.0 ⁽⁸⁾		130.0 ⁽⁶⁾		127.0 ⁽⁵⁾	71.5*	120.0 ⁽⁵⁾		
360	B								82.3 ⁽⁷⁾		95.6 ⁽¹⁰⁾	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⁾		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⁾		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⁾		119.0 ⁽⁹⁾		117.0 ⁽⁷⁾		114.0 ⁽⁴⁾		110.0 ⁽⁵⁾		
380	B								77.8 ⁽⁹⁾		91.2 ⁽¹¹⁾	91.2 ⁽¹¹⁾	111.0 ⁽⁸⁾		111.0 ⁽⁸⁾		91.2 ⁽¹¹⁾		94.8 ⁽¹¹⁾	93.1 ⁽⁹⁾	91.0 ⁽⁸⁾		
	BV								103.0 ⁽⁹⁾		114.0 ⁽¹⁰⁾	114.0 ⁽¹⁰⁾	114.0 ⁽¹⁰⁾		114.0 ⁽¹⁰⁾		111.0 ⁽⁸⁾		108.0 ⁽⁴⁾		104.0 ⁽⁵⁾		
390	B								69.5 ⁽⁸⁾		82.1 ⁽¹⁰⁾	82.1 ⁽¹⁰⁾	94.2 ⁽⁸⁾		106.0 ⁽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 ⁽¹⁰⁾		106.0 ⁽⁸⁾		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⁾		98.1 ⁽⁸⁾		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⁾		65.9 ⁽¹¹⁾		
	B																						

HSDWB / HSDWBV

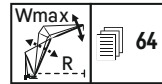
HS 256 ft



661,400 - 881,850 lb
330,700 - 659,200 lb
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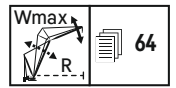


 ft	HS 256 ft																						
	W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft		
	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	
40	B	783.0	783.0																				
	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 ⁽⁵⁾	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*	661.0 ⁽¹⁾	491.0*	616.0 ⁽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 ⁽⁸⁾	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 ⁽²⁾	381.0*	433.0 ⁽¹⁾	332.0*	351.0 ⁽¹⁾	278.0*	280.0 ⁽¹⁾	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	190.0 ⁽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 ⁽³⁾		597.0 ⁽¹⁾	430.0*	577.0 ⁽¹⁾	408.0*	536.0 ⁽¹⁾	369.0*	440.0 ⁽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⁾	140.0	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*	435.0 ⁽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	140.0*	141.0
145	B		418.0 ⁽¹⁾		424.0 ⁽¹⁰⁾		428.0 ⁽¹⁰⁾	343.0*	422.0 ⁽⁶⁾	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⁾								

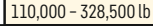
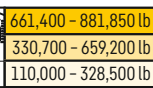
52 LR 1800-1.0



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



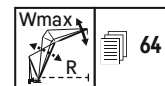
 ft		HS 276 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
45	B	677.0	692.0 ⁽¹⁾																				
	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 ⁽¹⁾	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 ⁽¹⁾	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 ⁽¹⁾	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 ⁽¹⁾	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 ⁽¹⁾		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*	317.0 ⁽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 ⁽¹⁾		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 ⁽¹⁾		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 ⁽¹⁾		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*	172.0 ⁽¹⁾	150.0*	150.0	129.0*	129.0
140	B		432.0 ⁽¹⁾		440.0 ⁽¹⁾		430.0 ⁽¹⁾	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 ⁽¹⁾		487.0 ⁽¹⁾		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 ⁽¹⁾	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 ⁽¹⁾		468.0 ⁽¹⁾		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 ⁽¹⁾		403.0 ⁽¹⁾		404.0 ⁽¹⁾		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 ⁽¹⁾		450.0 ⁽¹⁾		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⁾						



 ft	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
220	B	210.0 ⁽⁸⁾		220.0 ⁽¹⁰⁾		224.0 ⁽¹¹⁾		235.0 ⁽¹¹⁾		245.0 ⁽¹¹⁾	179.0*	234.0 ⁽⁷⁾	165.0*	220.0 ⁽⁸⁾	146.0*	181.0 ⁽²⁾	136.0*	155.0 ⁽³⁾	125.0*	140.0 ⁽²⁾	111.0*	120.0 ⁽²⁾
	BV	254.0 ⁽⁹⁾		263.0 ⁽¹⁰⁾		267.0 ⁽¹¹⁾		278.0 ⁽¹¹⁾		266.0 ⁽⁴⁾	186.0*	260.0 ⁽²⁾	170.0*	233.0 ⁽³⁾	150.0*	186.0 ⁽²⁾	137.0*	159.0 ⁽²⁾	125.0*	142.0 ⁽²⁾	111.0*	122.0 ⁽²⁾
230	B	193.0 ⁽⁸⁾		202.0 ⁽⁹⁾		204.0 ⁽¹⁰⁾		216.0 ⁽¹¹⁾		225.0 ⁽¹¹⁾		226.0 ⁽⁹⁾	157.0*	212.0 ⁽³⁾	140.0*	179.0 ⁽²⁾	130.0*	153.0 ⁽³⁾	121.0*	139.0 ⁽³⁾	108.0*	118.0 ⁽³⁾
	BV	234.0 ⁽⁸⁾		243.0 ⁽⁹⁾		246.0 ⁽¹⁰⁾		257.0 ⁽¹¹⁾		252.0 ⁽⁶⁾		246.0 ⁽³⁾	162.0*	229.0 ⁽³⁾	144.0*	184.0 ⁽²⁾	132.0*	157.0 ⁽³⁾	121.0*	140.0 ⁽²⁾	108.0*	121.0 ⁽³⁾
240	B	177.0 ⁽⁸⁾		185.0 ⁽⁹⁾		187.0 ⁽¹⁰⁾		197.0 ⁽¹¹⁾		209.0 ⁽¹¹⁾		216.0 ⁽¹⁰⁾	149.0*	201.0 ⁽⁴⁾	133.0*	178.0 ⁽³⁾	124.0*	152.0 ⁽³⁾	116.0*	137.0 ⁽³⁾	105.0*	118.0 ⁽³⁾
	BV	217.0 ⁽⁸⁾		225.0 ⁽⁹⁾		227.0 ⁽¹⁰⁾		237.0 ⁽¹¹⁾		239.0 ⁽⁷⁾		233.0 ⁽³⁾	153.0*	223.0 ⁽²⁾	138.0*	182.0 ⁽³⁾	128.0*	156.0 ⁽³⁾	117.0*	139.0 ⁽³⁾	105.0*	120.0 ⁽³⁾
250	B	162.0 ⁽⁷⁾		170.0 ⁽⁸⁾		171.0 ⁽⁹⁾		181.0 ⁽¹⁰⁾		194.0 ⁽¹¹⁾		202.0 ⁽¹⁰⁾	140.0*	189.0 ⁽⁷⁾	127.0*	176.0 ⁽³⁾	119.0*	150.0 ⁽³⁾	111.0*	136.0 ⁽³⁾	101.0*	116.0 ⁽³⁾
	BV	201.0 ⁽⁷⁾		208.0 ⁽⁸⁾		209.0 ⁽⁹⁾		219.0 ⁽¹⁰⁾		227.0 ⁽⁹⁾		222.0 ⁽⁴⁾	145.0*	216.0 ⁽²⁾	132.0*	181.0 ⁽³⁾	123.0*	154.0 ⁽³⁾	113.0*	138.0 ⁽³⁾	101.0*	119.0 ⁽³⁾
260	B	149.0 ⁽⁴⁾		156.0 ⁽⁶⁾		156.0 ⁽⁹⁾		166.0 ⁽¹⁰⁾		179.0 ⁽¹¹⁾		188.0 ⁽¹⁰⁾	133.0*	183.0 ⁽⁸⁾	120.0*	168.0 ⁽⁴⁾	113.0*	148.0 ⁽³⁾	106.0*	134.0 ⁽³⁾	97.5*	115.0 ⁽³⁾
	BV	186.0 ⁽⁷⁾		193.0 ⁽⁸⁾		193.0 ⁽⁹⁾		202.0 ⁽¹⁰⁾		216.0 ⁽¹¹⁾		211.0 ⁽⁵⁾	138.0*	205.0 ⁽³⁾	125.0*	178.0 ⁽³⁾	117.0*	153.0 ⁽³⁾	109.0*	137.0 ⁽³⁾	98.2*	118.0 ⁽³⁾
270	B			143.0 ⁽⁷⁾		143.0 ⁽⁸⁾		151.0 ⁽⁹⁾		165.0 ⁽¹¹⁾		176.0 ⁽¹¹⁾	114.0*	177.0 ⁽⁹⁾	114.0*	164.0 ⁽⁴⁾	107.0*	146.0 ⁽⁴⁾	101.0*	133.0 ⁽³⁾	93.2*	113.0 ⁽³⁾
	BV			179.0 ⁽⁷⁾		178.0 ⁽⁸⁾		187.0 ⁽⁹⁾		200.0 ⁽¹¹⁾		201.0 ⁽⁶⁾		194.0 ⁽⁴⁾	118.0*	175.0 ⁽³⁾	111.0*	151.0 ⁽³⁾	105.0*	136.0 ⁽³⁾	95.1*	116.0 ⁽³⁾
280	B			131.0 ⁽⁶⁾		130.0 ⁽⁸⁾		138.0 ⁽⁹⁾		151.0 ⁽¹¹⁾		165.0 ⁽¹¹⁾	107.0*	167.0 ⁽⁹⁾	107.0*	154.0 ⁽⁵⁾	101.0*	145.0 ⁽⁴⁾	95.5*	131.0 ⁽⁴⁾	88.6*	112.0 ⁽³⁾
	BV			166.0 ⁽⁷⁾		165.0 ⁽⁸⁾		173.0 ⁽⁹⁾		185.0 ⁽¹¹⁾		191.0 ⁽⁸⁾	112.0*	186.0 ⁽⁴⁾	112.0*	172.0 ⁽³⁾	105.0*	150.0 ⁽⁴⁾	99.5*	134.0 ⁽³⁾	91.5*	115.0 ⁽³⁾
290	B					118.0 ⁽⁷⁾		126.0 ⁽⁸⁾		138.0 ⁽¹⁰⁾		154.0 ⁽¹¹⁾	102.0*	157.0 ⁽¹⁰⁾	102.0*	147.0 ⁽³⁾	95.5*	139.0 ⁽⁵⁾	90.2*	130.0 ⁽⁴⁾	83.5*	110.0 ⁽⁴⁾
	BV					152.0 ⁽⁷⁾		159.0 ⁽⁸⁾		170.0 ⁽¹⁰⁾		182.0 ⁽⁹⁾	106.0*	177.0 ⁽⁹⁾	106.0*	169.0 ⁽³⁾	99.9*	148.0 ⁽⁴⁾	94.0*	133.0 ⁽⁴⁾	87.1*	113.0 ⁽³⁾
300	B					107.0 ⁽⁷⁾		115.0 ⁽⁸⁾		125.0 ⁽¹⁰⁾		143.0 ⁽¹¹⁾	97.0*	149.0 ⁽¹⁰⁾	97.0*	141.0 ⁽⁶⁾	90.0*	137.0 ⁽⁵⁾	85.3*	125.0 ⁽⁵⁾	78.8*	109.0 ⁽⁴⁾
	BV					140.0 ⁽⁷⁾		147.0 ⁽⁸⁾		157.0 ⁽¹⁰⁾		174.0 ⁽¹¹⁾	101.0*	169.0 ⁽⁴⁾	101.0*	160.0 ⁽⁴⁾	94.4*	146.0 ⁽⁴⁾	89.0*	132.0 ⁽⁴⁾	82.3*	113.0 ⁽⁴⁾
310	B							104.0 ⁽⁷⁾		113.0 ⁽⁹⁾		131.0 ⁽¹¹⁾		141.0 ⁽¹¹⁾		135.0 ⁽⁹⁾	84.8*	128.0 ⁽⁵⁾	80.4*	124.0 ⁽⁵⁾	74.2*	107.0 ⁽⁴⁾
	BV							135.0 ⁽⁷⁾		144.0 ⁽⁹⁾		161.0 ⁽¹¹⁾		161.0 ⁽⁷⁾		154.0 ⁽⁴⁾	88.9*	144.0 ⁽⁴⁾	84.1*	131.0 ⁽⁴⁾	77.7*	112.0 ⁽⁴⁾
320	B							94.2 ⁽⁷⁾		103.0 ⁽⁹⁾		119.0 ⁽¹¹⁾		132.0 ⁽¹¹⁾		129.0 ⁽⁹⁾	81.0*	123.0 ⁽⁶⁾	75.5*	119.0 ⁽⁵⁾	70.0*	107.0 ⁽⁵⁾
	BV							124.0 ⁽⁷⁾		133.0 ⁽⁹⁾		149.0 ⁽¹¹⁾		155.0 ⁽⁸⁾		147.0 ⁽⁵⁾	84.8*	141.0 ⁽⁴⁾	79.2*	129.0 ⁽⁴⁾	73.3*	110.0 ⁽⁴⁾
330	B									92.8 ⁽⁸⁾		108.0 ⁽¹⁰⁾		123.0 ⁽¹¹⁾		122.0 ⁽⁹⁾		118.0 ⁽⁷⁾	71.0*	114.0 ⁽⁴⁾	65.7*	105.0 ⁽⁵⁾
	BV									122.0 ⁽⁸⁾		137.0 ⁽¹⁰⁾		148.0 ⁽¹⁰⁾		140.0 ⁽⁶⁾		135.0 ⁽⁵⁾	74.6*	128.0 ⁽⁴⁾	68.9*	109.0 ⁽⁵⁾
340	B									83.5 ⁽⁸⁾		98.2 ⁽¹⁰⁾		113.0 ⁽¹¹⁾		116.0 ⁽¹⁰⁾		112.0 ⁽⁹⁾	67.6*	108.0 ⁽⁷⁾	61.4*	102.0 ⁽⁶⁾
	BV									112.0 ⁽⁸⁾		126.0 ⁽¹⁰⁾		141.0 ⁽¹¹⁾		134.0 ⁽⁶⁾		130.0 ⁽⁵⁾	70.7*	124.0 ⁽⁴⁾	64.6*	108.0 ⁽⁵⁾
350	B									74.5 ⁽⁷⁾		88.0 ⁽⁹⁾		103.0 ⁽¹¹⁾		111.0 ⁽¹¹⁾		107.0 ⁽⁹⁾		103.0 ⁽⁷⁾	57.5*	99.2 ⁽⁶⁾
	BV									102.0 ⁽⁷⁾		115.0 ⁽⁹⁾		131.0 ⁽¹¹⁾		129.0 ⁽⁷⁾		125.0 ⁽⁶⁾		120.0 ⁽⁵⁾	60.7*	107.0 ⁽⁵⁾
360	B									66.1 ⁽⁷⁾		79.1 ⁽⁹⁾		93.8 ⁽¹¹⁾		103.0 ⁽¹¹⁾		102.0 ⁽¹⁰⁾		99.0 ⁽⁸⁾	54.6*	94.4 ⁽⁷⁾
	BV									92.8 ⁽⁷⁾		106.0 ⁽⁹⁾		120.0 ⁽¹¹⁾		123.0 ⁽⁸⁾		118.0 ⁽⁷⁾		114.0 ⁽⁶⁾	57.3*	106.0 ⁽⁵⁾
370	B											70.5 ⁽⁸⁾		84.1 ⁽¹⁰⁾		95.7 ⁽¹¹⁾		97.6 ⁽¹¹⁾		94.4 ⁽⁹⁾		89.4 ⁽⁸⁾
	BV											96.3 ⁽⁸⁾		110.0 ⁽¹⁰⁾		118.0 ⁽¹⁰⁾		113.0 ⁽⁸⁾		111.0 ⁽⁶⁾		105.0 ⁽⁵⁾
380	B											62.7 ⁽⁸⁾		75.4 ⁽¹⁰⁾		87.8 ⁽¹¹⁾		90.6 ⁽¹¹⁾		90.4 ⁽¹⁰⁾		85.9 ⁽⁸⁾
	BV											87.7 ⁽⁸⁾		101.0 ⁽¹⁰⁾		111.0 ⁽¹⁰⁾		109.0 ⁽⁹⁾		106.0 ⁽⁷⁾		99.3 ⁽⁶⁾
390	B											54.7 ⁽⁷⁾		67.0 ⁽⁹⁾		79.4 ⁽¹¹⁾		83.6 ⁽¹¹⁾		85.5 ⁽¹¹⁾		82.4 ⁽⁹⁾
	BV											79.3 ⁽⁷⁾		91.5 ⁽⁹⁾		103.0 ⁽¹¹⁾		105.0 ⁽¹⁰⁾		101.0 ⁽⁸⁾		95.6 ⁽⁶⁾
400	B											47.5 ⁽⁷⁾		59.4 ⁽⁹⁾		71.0 ⁽¹¹⁾		76.2 ⁽¹¹⁾		79.2 ⁽¹¹⁾		78.4 ⁽¹⁰⁾
	BV											71.6 ⁽⁷⁾		83.3 ⁽⁹⁾		94.8 ⁽¹¹⁾		98.1 ⁽¹⁰⁾		97.2 ⁽⁹⁾		92.4 ⁽⁷⁾
410	B													51.8 ⁽⁸⁾		62.8 ⁽¹⁰⁾		68.3 ⁽¹¹⁾		72.8 ⁽¹¹⁾		72.9 ⁽¹¹⁾
	BV													75.0 ⁽⁸⁾		86.0 ⁽¹⁰⁾		90.2 ⁽¹¹⁾		91.8 ⁽⁹⁾		88.3 ⁽⁸⁾
420	B													45.1 ⁽⁸⁾		55.5 ⁽¹⁰⁾		59.5 ⁽¹⁰⁾		66.1 ⁽¹¹⁾		67.5 ⁽¹¹⁾
	BV													67.6 ⁽⁸⁾		78.1 ⁽¹⁰⁾		82.3 ⁽¹⁰⁾		84.6 ⁽⁹⁾		83.9 ⁽⁹⁾
430	B													39.2 ⁽⁷⁾		48.3 ⁽⁹⁾		52.6 ⁽¹⁰⁾		59.0 ⁽¹¹⁾		62.1 ⁽¹¹⁾
	BV													60.1 ⁽⁷⁾		69.9 ⁽⁹⁾		74.9 ⁽¹⁰⁾		78.4 ⁽¹⁰⁾		78.8 ⁽⁹⁾
440	B															42.1 ⁽⁹⁾		45.8 ⁽¹⁰⁾		51.0 ⁽¹⁰⁾		56.0 ⁽¹¹⁾
	BV															62.8 ⁽⁹⁾		67.5 ⁽¹⁰⁾		72.2 ⁽¹⁰⁾		72.7 ⁽⁹⁾
450	B															36.2 ⁽⁸⁾		40.1 ⁽⁹⁾		45.2 ⁽¹⁰⁾		49.5 ⁽¹¹⁾
	BV															55.4 ⁽⁸⁾		59.8 ⁽⁹⁾		65.3 ⁽¹⁰⁾		67.5 ⁽¹⁰⁾
460	B															31.5 ⁽⁸⁾		35.0 ⁽⁹⁾		39.3 ⁽¹⁰⁾		42.2 ⁽¹⁰⁾
	BV															49.0 ⁽⁸⁾		53.2 ⁽⁹⁾		58.5 ⁽¹⁰⁾		62.2 ⁽¹⁰⁾
470	B															26.5 ⁽⁷⁾		29.6 ⁽⁸⁾		33.6 ⁽⁹⁾		37.4 ⁽¹⁰⁾
	BV																					

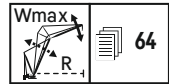


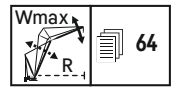
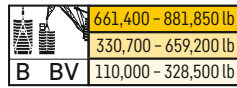
661,400 - 881,850 lb
330,700 - 659,200 lb
110,000 - 328,500 lb



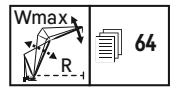
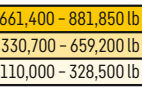
64

 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	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	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	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	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	115.0 ⁽¹⁾
	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	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	115.0 ⁽¹⁾
	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	116.0 ⁽¹⁾
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*	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	116.0 ⁽¹⁾
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*	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	116.0 ⁽¹⁾
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*	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*	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*	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⁾	130.0*	132.0 ⁽¹⁾	115.0*	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*	114.0 ⁽¹⁾
	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*									

56 LR1800-1.0



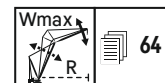
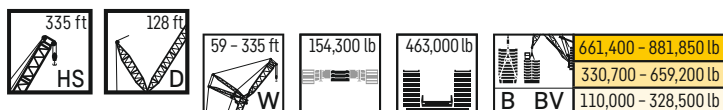
 ft		HS 315 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
45	B	546.0	550.0 ^[1]																				
	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*			



	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 ⁽⁴⁾	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 ⁽⁵⁾	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⁾	66.9*	119.0 ⁽⁴⁾	65.9*	119.0 ⁽⁴⁾	59.7*	105.0 ⁽⁴⁾	53.0*	89.4 ⁽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 ⁽¹⁰⁾		132.0 ⁽⁹⁾		121.0 ⁽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																						

HSDWB / HSDWBV

HS 335 ft



 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 ⁽³⁾		415.0 ⁽¹⁾	268.0*	367.0 ⁽¹⁾	243.0*	323.0 ⁽¹⁾	209.0*	250.0 ⁽¹⁾	184.0*	204.0 ⁽¹⁾	156.0*	164.0 ⁽¹⁾	128.0*	130.0 ⁽¹⁾	113.0*	115.0 ⁽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 ⁽³⁾		344.0 ⁽³⁾																



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

Wmax	64
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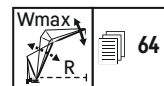
	ft	HS 335 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
220	B		205.0 ⁽⁹⁾		217.0 ⁽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*	80.8 ⁽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⁾		81.1 ⁽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⁾										

HSDWB / HSDWBV

HS 354 ft



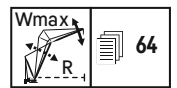
661,400 – 881,850 lb
330,700 – 659,200 lb
110,000 – 328,500 lb



 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*	329.0 ⁽¹⁾	269.0*	301.0 ⁽¹⁾	249.0*	292.0 ⁽¹⁾	211.0*	211.0	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 ⁽²⁾		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 ⁽³⁾		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 ⁽⁵⁾		345.0 ⁽²⁾		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⁾		348.0 ⁽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 ⁽⁴⁾		338.0 ⁽³⁾		314.0 ⁽¹⁾	213.0*	285.0 ⁽¹⁾	187.0*	231.0 ⁽¹⁾	162.0*	187.0 ⁽³⁾	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 ⁽⁸⁾		333.0 ⁽⁴⁾		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 ⁽¹¹⁾		328.0 ⁽⁵⁾		304.0 ⁽²⁾		279.0 ⁽²⁾	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		



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

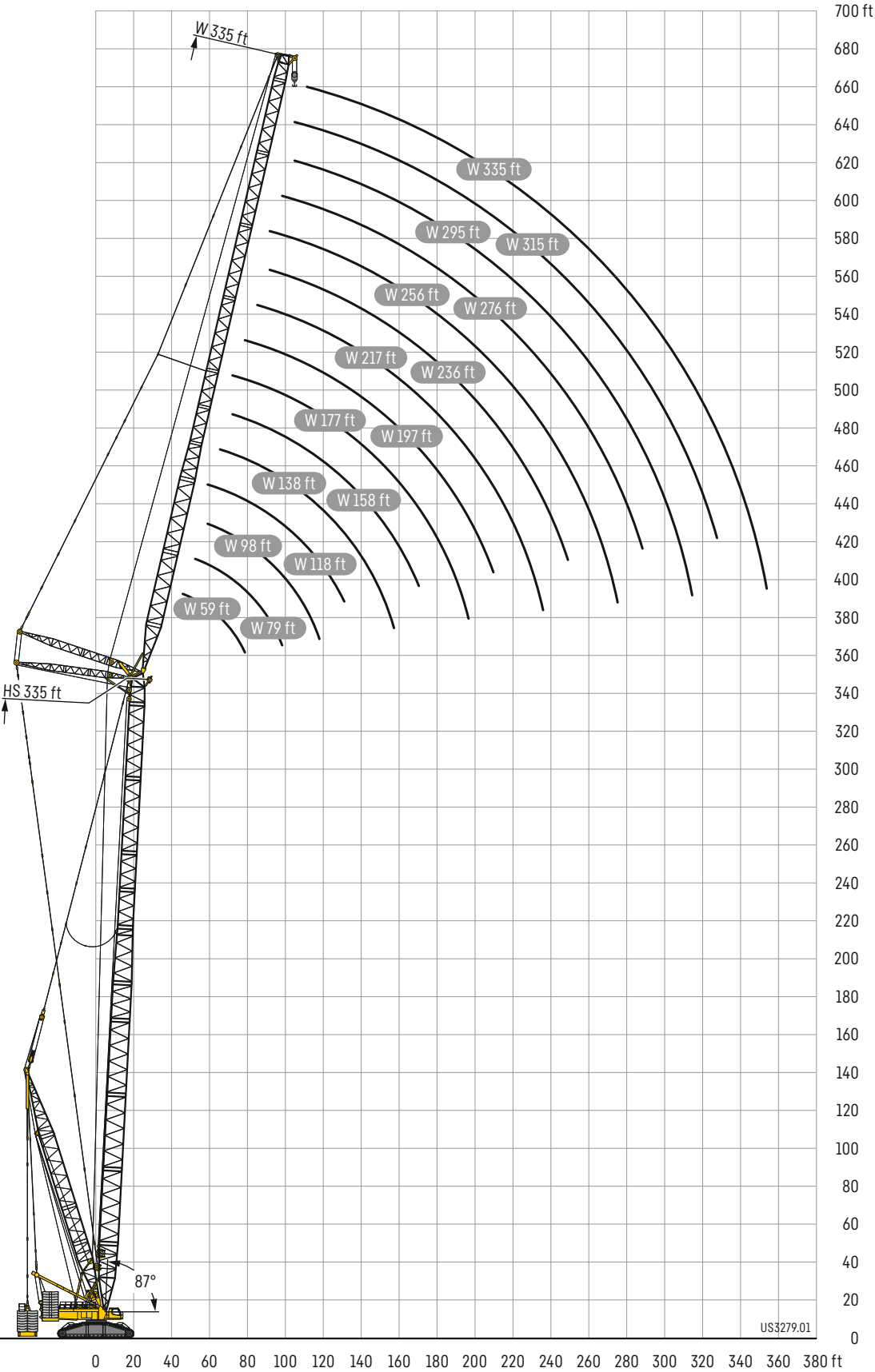


ft		HS 354 ft																					
		W 59 ft		W 79 ft		W 98 ft		W 118 ft		W 158 ft		W 197 ft		W 236 ft		W 276 ft		W 295 ft		W 315 ft		W 335 ft	
		87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax	87/85*	Wmax
220	B		204.0 ⁽¹⁰⁾		215.0 ⁽¹¹⁾		219.0 ⁽¹¹⁾		225.0 ⁽¹¹⁾		200.0 ⁽⁹⁾	118.0*	171.0 ⁽³⁾	103.0*	140.0 ⁽²⁾	87.7*	110.0 ⁽²⁾						
	BV		247.0 ⁽¹⁰⁾		258.0 ⁽¹¹⁾		254.0 ⁽⁷⁾		247.0 ⁽⁴⁾		218.0 ⁽²⁾	112.0*	172.0 ⁽¹⁾	92.1*	134.0 ⁽¹⁾	76.6*	102.0 ⁽¹⁾	68.4*	87.8 ⁽¹⁾	61.0*	75.4 ⁽¹⁾	52.9*	63.4 ⁽¹⁾
230	B		187.0 ⁽¹⁰⁾		196.0 ⁽¹¹⁾		200.0 ⁽¹¹⁾		208.0 ⁽¹¹⁾		192.0 ⁽⁴⁾	114.0*	167.0 ⁽²⁾	98.3*	138.0 ⁽²⁾	83.9*	109.0 ⁽²⁾						
	BV		229.0 ⁽¹⁰⁾		237.0 ⁽¹¹⁾		239.0 ⁽¹¹⁾		234.0 ⁽⁴⁾		217.0 ⁽²⁾	107.0*	172.0 ⁽¹⁾	87.8*	134.0 ⁽¹⁾	73.0*	102.0 ⁽¹⁾	65.1*	87.5 ⁽¹⁾	58.1*	75.0 ⁽¹⁾	50.2*	62.9 ⁽¹⁾
240	B		170.0 ⁽¹⁰⁾		178.0 ⁽¹⁰⁾		184.0 ⁽¹¹⁾		191.0 ⁽¹¹⁾		187.0 ⁽⁸⁾		162.0 ⁽⁴⁾	93.9*	135.0 ⁽³⁾	80.1*	107.0 ⁽²⁾						
	BV		210.0 ⁽⁹⁾		218.0 ⁽¹⁰⁾		222.0 ⁽¹¹⁾		222.0 ⁽⁸⁾		208.0 ⁽³⁾		172.0 ⁽²⁾	83.8*	133.0 ⁽¹⁾	69.6*	101.0 ⁽¹⁾	61.9*	87.1 ⁽¹⁾	55.2*	74.6 ⁽¹⁾	47.7*	62.4 ⁽¹⁾
250	B		155.0 ⁽⁸⁾		163.0 ⁽¹⁰⁾		167.0 ⁽¹¹⁾		175.0 ⁽¹¹⁾		183.0 ⁽¹⁰⁾		158.0 ⁽²⁾	89.6*	133.0 ⁽³⁾	76.3*	106.0 ⁽²⁾						
	BV		193.0 ⁽⁹⁾		201.0 ⁽¹⁰⁾		204.0 ⁽¹¹⁾		210.0 ⁽¹¹⁾		197.0 ⁽⁴⁾		172.0 ⁽²⁾	80.4*	133.0 ⁽²⁾	66.3*	101.0 ⁽²⁾	58.9*	86.4 ⁽¹⁾	52.4*	74.1 ⁽¹⁾	45.3*	61.9 ⁽¹⁾
260	B		142.0 ⁽⁸⁾		149.0 ⁽¹⁰⁾		151.0 ⁽¹⁰⁾		161.0 ⁽¹¹⁾		172.0 ⁽¹¹⁾		152.0 ⁽⁴⁾	85.2*	130.0 ⁽⁴⁾	72.1*	105.0 ⁽³⁾						
	BV		178.0 ⁽⁸⁾		185.0 ⁽¹⁰⁾		187.0 ⁽¹⁰⁾		195.0 ⁽¹¹⁾		187.0 ⁽⁵⁾		170.0 ⁽³⁾	79.3*	133.0 ⁽²⁾	63.1*	101.0 ⁽²⁾	56.0*	86.1 ⁽²⁾	49.7*	73.3 ⁽¹⁾	43.1*	61.3 ⁽¹⁾
270	B		129.0 ⁽⁸⁾		135.0 ⁽⁹⁾		138.0 ⁽¹⁰⁾		146.0 ⁽¹¹⁾		159.0 ⁽¹¹⁾		147.0 ⁽⁷⁾	82.9*	127.0 ⁽³⁾	68.7*	104.0 ⁽³⁾						
	BV		164.0 ⁽⁸⁾		171.0 ⁽⁹⁾		173.0 ⁽¹⁰⁾		180.0 ⁽¹¹⁾		178.0 ⁽⁷⁾		166.0 ⁽³⁾	76.4*	133.0 ⁽²⁾	60.0*	101.0 ⁽²⁾	53.2*	86.0 ⁽²⁾	47.1*	73.4 ⁽²⁾	41.1*	60.7 ⁽²⁾
280	B		117.0 ⁽⁸⁾		123.0 ⁽⁸⁾		124.0 ⁽¹⁰⁾		132.0 ⁽¹⁰⁾		146.0 ⁽¹¹⁾		143.0 ⁽⁹⁾		124.0 ⁽³⁾	65.5*	101.0 ⁽³⁾						
	BV		151.0 ⁽⁸⁾		157.0 ⁽⁹⁾		158.0 ⁽¹⁰⁾		166.0 ⁽¹⁰⁾		170.0 ⁽⁹⁾		159.0 ⁽⁴⁾		133.0 ⁽³⁾	57.0*	101.0 ⁽²⁾	50.4*	85.9 ⁽²⁾	44.7*	73.3 ⁽²⁾	39.2*	60.9 ⁽²⁾
290	B		106.0 ⁽⁸⁾		112.0 ⁽⁸⁾		112.0 ⁽⁹⁾		120.0 ⁽¹⁰⁾		134.0 ⁽¹¹⁾		138.0 ⁽¹¹⁾		121.0 ⁽³⁾	62.1*	99.3 ⁽⁴⁾						
	BV		139.0 ⁽⁴⁾		144.0 ⁽⁹⁾		145.0 ⁽⁹⁾		153.0 ⁽¹⁰⁾		161.0 ⁽¹¹⁾		151.0 ⁽⁵⁾		133.0 ⁽³⁾	55.7*	101.0 ⁽²⁾	47.8*	85.7 ⁽²⁾	42.5*	73.0 ⁽²⁾	37.4*	60.7 ⁽²⁾
300	B		95.8 ⁽⁴⁾		101.0 ⁽⁸⁾		101.0 ⁽⁹⁾		108.0 ⁽¹⁰⁾		122.0 ⁽¹¹⁾		132.0 ⁽¹¹⁾		116.0 ⁽⁷⁾	59.0*	97.0 ⁽³⁾						
	BV		128.0 ⁽⁴⁾		133.0 ⁽⁸⁾		133.0 ⁽⁹⁾		140.0 ⁽¹⁰⁾		150.0 ⁽¹¹⁾		144.0 ⁽⁴⁾		129.0 ⁽⁴⁾	54.6*	100.0 ⁽²⁾	45.4*	85.6 ⁽²⁾	40.6*	72.8 ⁽²⁾	35.6*	60.5 ⁽²⁾
310	B		86.4 ⁽⁴⁾		91.4 ⁽⁸⁾		90.5 ⁽⁹⁾		97.1 ⁽⁹⁾		110.0 ⁽¹¹⁾		122.0 ⁽¹¹⁾		113.0 ⁽⁸⁾	57.1*	94.8 ⁽³⁾						
	BV		117.0 ⁽⁴⁾		122.0 ⁽⁸⁾		121.0 ⁽⁹⁾		128.0 ⁽⁹⁾		139.0 ⁽¹¹⁾		137.0 ⁽⁷⁾		127.0 ⁽⁴⁾	52.6*	101.0 ⁽³⁾	44.7*	85.5 ⁽²⁾	38.8*	72.6 ⁽²⁾	33.8*	60.2 ⁽²⁾
320	B				82.2 ⁽⁷⁾		80.8 ⁽⁸⁾		87.1 ⁽⁹⁾		98.1 ⁽¹⁰⁾		113.0 ⁽¹¹⁾		110.0 ⁽⁹⁾		92.5 ⁽⁴⁾						
	BV				112.0 ⁽⁷⁾		111.0 ⁽⁸⁾		117.0 ⁽⁹⁾		128.0 ⁽¹⁰⁾		132.0 ⁽⁹⁾		121.0 ⁽⁵⁾		100.0 ⁽³⁾	43.8*	85.8 ⁽³⁾	37.2*	72.6 ⁽³⁾	32.2*	60.0 ⁽²⁾
330	B				73.6 ⁽⁷⁾		71.5 ⁽⁷⁾		77.1 ⁽⁸⁾		88.1 ⁽¹⁰⁾		103.0 ⁽¹¹⁾		107.0 ⁽¹¹⁾		89.9 ⁽⁴⁾						
	BV				103.0 ⁽⁷⁾		101.0 ⁽⁸⁾		106.0 ⁽⁸⁾		117.0 ⁽¹⁰⁾		126.0 ⁽¹¹⁾		116.0 ⁽⁶⁾		100.0 ⁽⁴⁾	42.4*	86.3 ⁽³⁾	36.9*	72.9 ⁽³⁾	30.5*	60.0 ⁽³⁾
340	B						63.0 ⁽⁴⁾		68.7 ⁽⁸⁾		78.1 ⁽¹⁰⁾		93.2 ⁽¹¹⁾		101.0 ⁽¹¹⁾		86.2 ⁽⁷⁾						
	BV						91.4 ⁽⁷⁾		96.7 ⁽⁸⁾		106.0 ⁽¹⁰⁾		117.0 ⁽¹¹⁾		110.0 ⁽⁷⁾		98.2 ⁽⁴⁾		85.4 ⁽⁴⁾	36.0*	73.3 ⁽³⁾	29.5*	60.3 ⁽³⁾
350	B						55.0 ⁽⁴⁾		60.2 ⁽⁸⁾		68.8 ⁽⁹⁾		83.3 ⁽¹¹⁾		93.5 ⁽¹¹⁾		83.8 ⁽⁸⁾						
	BV						82.6 ⁽⁷⁾		87.5 ⁽⁸⁾		96.0 ⁽⁹⁾		109.0 ⁽¹¹⁾		105.0 ⁽⁸⁾		95.8 ⁽⁵⁾		85.8 ⁽⁴⁾	34.9*	72.6 ⁽³⁾	29.2*	60.6 ⁽³⁾
360	B								52.5 ⁽⁷⁾		60.3 ⁽⁹⁾		73.4 ⁽¹⁰⁾		86.4 ⁽¹¹⁾		82.3 ⁽¹⁰⁾						
	BV								78.8 ⁽⁷⁾		86.8 ⁽⁹⁾		99.8 ⁽¹⁰⁾		101.0 ⁽¹⁰⁾		90.7 ⁽⁵⁾		82.4 ⁽⁵⁾		73.3 ⁽⁴⁾	28.4*	60.4 ⁽³⁾
370	B								45.6 ⁽⁷⁾		51.8 ⁽⁸⁾		65.0 ⁽¹⁰⁾		78.4 ⁽¹¹⁾		80.2 ⁽¹¹⁾						
	BV								70.6 ⁽⁷⁾		77.4 ⁽⁸⁾		90.6 ⁽¹⁰⁾		96.2 ⁽¹¹⁾		86.5 ⁽⁶⁾		80.8 ⁽⁵⁾		71.7 ⁽⁴⁾	27.5*	60.5 ⁽⁴⁾
380	B										45.3 ⁽⁸⁾		56.5 ⁽¹⁰⁾		69.8 ⁽¹¹⁾		74.8 ⁽¹¹⁾						
	BV										69.5 ⁽⁸⁾		81.5 ⁽¹⁰⁾		90.2 ⁽¹¹⁾		82.5 ⁽⁷⁾		77.3 ⁽⁶⁾		72.1 ⁽⁵⁾		60.5 ⁽⁴⁾
390	B										38.8 ⁽⁸⁾		49.0 ⁽⁹⁾		61.3 ⁽¹¹⁾		69.4 ⁽¹¹⁾						
	BV										61.5 ⁽⁸⁾		72.8 ⁽⁹⁾		84.1 ⁽¹¹⁾		78.8 ⁽⁸⁾		73.2 ⁽⁶⁾		68.7 ⁽⁵⁾		60.2 ⁽⁵⁾
400	B										32.8 ⁽⁷⁾		42.4 ⁽⁹⁾		53.0 ⁽¹⁰⁾		63.9 ⁽¹¹⁾						
	BV										54.0 ⁽⁷⁾		64.9 ⁽⁹⁾		76.1 ⁽¹⁰⁾		75.7 ⁽¹⁰⁾		69.8 ⁽⁷⁾		65.5 ⁽⁴⁾		59.7 ⁽⁵⁾
410	B										27.5 ⁽⁷⁾		35.6 ⁽⁸⁾		46.2 ⁽¹⁰⁾		57.3 ⁽¹¹⁾						
	BV										47.2 ⁽⁷⁾		56.9 ⁽⁸⁾		68.3 ⁽¹⁰⁾		71.9 ⁽¹¹⁾		66.7 ⁽⁹⁾		62.3 ⁽⁷⁾		56.5 ⁽⁵⁾
420	B												30.5 ⁽⁸⁾		39.4 ⁽¹⁰⁾		50.3 ⁽¹¹⁾						
	BV												50.2 ⁽⁸⁾		60.4 ⁽¹⁰⁾		67.5 ⁽¹¹⁾		64.0 ⁽¹⁰⁾		59.1 ⁽⁸⁾		53.6 ⁽⁴⁾
430	B												25.4 ⁽⁸⁾		33.5 ⁽⁹⁾		43.2 ⁽¹¹⁾						
	BV												43.6 ⁽⁸⁾		53.0 ⁽⁹⁾		63.1 ⁽¹¹⁾		60.8 ⁽¹¹⁾		56.5 ⁽⁹⁾		50.9 ⁽⁷⁾
440	B												20.2 ⁽⁷⁾		28.4 ⁽⁹⁾		36.7 ⁽¹⁰⁾						
	BV												37.8 ⁽⁷⁾		46.4 ⁽⁹⁾		56.3 ⁽¹⁰⁾		57.0 ⁽¹¹⁾		54.0 ⁽¹⁰⁾		48.4 ⁽⁸⁾
450	B												15.5 ⁽⁷⁾		22.9 ⁽⁸⁾		31.6 ⁽¹⁰⁾						
	BV												32.9 ⁽⁷⁾		39.8 ⁽⁸⁾		49.6 ⁽¹⁰⁾		53.3 ⁽¹¹⁾		51.3 ⁽¹¹⁾		46.0 ⁽⁹⁾
460	B														18.1 ⁽⁸⁾		26.5 ⁽¹⁰⁾						
	BV														34.9 ⁽⁸⁾		42.9 ⁽¹⁰⁾		47.3 ⁽¹⁰⁾		48.2 ⁽¹¹⁾		43.9 ⁽¹¹⁾
470	B														13.4 ⁽⁸⁾		21.0 ⁽⁹⁾						
	BV														30.1 ⁽⁸⁾		37.3 ⁽⁹⁾		41.6 ⁽¹⁰⁾		45.1 ⁽¹¹⁾		41.3 ⁽¹¹⁾
480	B																16.3 ⁽⁹⁾						
	BV																32.5 ⁽⁹⁾		35.9 ⁽¹⁰⁾		39.8 ^{(10)</}		

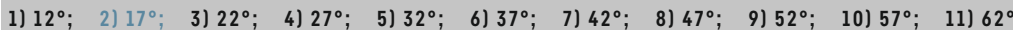
Lifting heights

Hauteurs de levage

HSDWB / HSDWBV

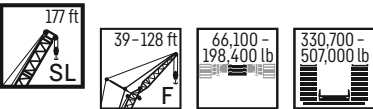


max



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																												270
275																								48.2	49	47.7	45.5	275
280																									47.1	46.3	44.3	280

66 LR 1800-1.0



 ft	SL 236 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																											45	
50	408	395		381																								50	
55	408	383	262	366	316		314																					55	
60	408	370	256	353	306		303	260		266			246															60	
65	385	359	251	340	297	219	291	251		256	225		237	203		219			206									65	
70	354	348	246	329	288	215	281	244	181	247	218		228	197		210	181		198									70	
75	326	330	241	318	280	210	272	237	172	239	212	155	220	191		203	176		191	165		156		150				75	
80	302	305	236	302	272	205	264	230	169	231	206	152	212	186	140	196	170		184	160		151		144		139		80	
85	280	283	232	281	265	201	255	224	165	224	200	149	206	180	137	189	165	128	177	155		146		140		135		85	
90	261	264	228	261	258	197	248	219	162	217	195	145	199	175	134	183	160	125	172	150	118	141	112	135		130		90	
95	244	246	224	244	249	192	240	213	159	211	190	142	193	170	131	177	156	121	166	146	115	137	109	131	103	125	97.8	95	
100	228	230	219	229	233	186	231	208	156	205	185	140	187	166	128	172	152	119	160	141	112	133	106	127	100	121	95.2	100	
105	214	216	214	214	219	175	217	203	152	199	181	136	182	162	125	167	148	116	155	138	110	129	104	123	97.4	118	92.6	105	
110	200	202	207	201	206	172	204	198	149	193	176	134	177	157	122	162	144	114	151	134	107	126	101	119	95.1	114	90.3	110	
115	188	190	196	189	194	169	192	191	147	188	172	131	172	154	120	157	140	111	146	130	105	122	98.7	116	92.9	110	88.2	115	
120	176	178	183	178	182	165	181	184	144	181	168	129	168	150	118	153	136	109	142	127	103	119	96.4	112	90.5	107	85.9	120	
125	165	166	172	167	171	163	171	173	142	171	164	127	163	146	115	149	133	107	138	124	101	116	94.3	109	88.5	104	83.7	125	
130	154	155	160	156	160	159	160	163	139	162	158	124	157	143	113	145	130	104	135	120	98.5	113	92.5	106	86.4	101	81.7	130	
135	144	146	150	146	150	153	150	153	137	152	152	122	151	140	111	141	127	103	131	117	96.6	110	90.4	104	84.6	98.2	79.6	135	
140	135	137	141	137	140	145	141	144	134	143	145	120	145	137	109	137	124	100	128	115	94.4	107	88.5	101	82.8	95.6	77.8	140	
145	127	128	132	129	132	136	133	135	131	134	138	118	138	133	107	133	121	98.4	124	112	92.5	104	86.6	98.3	80.9	93	76	145	
150	119	121	125	122	124	129	125	127	128	126	130	116	130	128	105	128	119	96.8	121	110	90.8	102	84.9	95.9	79.3	90.5	74.4	150	
155	112	113	117	114	117	121	118	120	124	120	123	114	122	123	103	122	116	95	118	107	89.1	99.7	83.1	93.6	77.7	88.2	72.8	155	
160	106	107	110	107	110	115	111	113	117	113	116	112	116	117	102	116	114	93.4	114	105	87.6	97.5	81.7	91.4	76.1	86	71.2	160	
165	99.8	101	104	101	104	108	105	106	111	107	110	109	109	111	100	110	111	91.8	110	102	85.8	95.3	80.3	89.2	74.6	83.9	69.7	165	
170	94.1	95.2	98.2	95.6	98.2	102	99	100	105	101	104	105	103	105	98.7	104	106	90.4	105	100	84.3	93.2	79	87.1	73.2	81.8	68.2	170	
175	89	89.9	92.6	90.3	92.8	96.5	93.7	95	99.2	94.7	98.1	100	97.9	99.8	97.2	98.8	101	89	100	97.3	82.9	91.2	77.6	85	71.8	80	66.9	175	
180	83.8	84.8	87.5	85.3	87.6	91.1	88.7	89.9	93.8	89.7	92.8	95.7	92.8	94.5	95	93.4	95.5	87.5	95	94.4	81.6	89.3	76.2	83.1	70.4	78.2	65.6	180	
185	78.6	79.9	82.5	80.7	83	85.9	83.9	85.1	88.7	84.9	88	90.4	87.9	89.5	92.4	88.5	90.4	86	90	91	80.3	87.4	74.8	81.3	69.1	76.4	64.2	185	
190	74.3	75.2	77.6	76.1	78.5	81.4	79.5	80.5	83.9	80.4	83.3	85.7	83.2	84.9	88	83.9	85.7	84.1	85.4	87.4	79	85.1	73.5	79.5	67.8	74.7	63	190	
195	70.1	70.9	73.3	71.6	74.1	76.9	75.1	76.2	79.3	76.2	78.9	81.3	78.9	80.5	83.4	79.6	81.2	81.9	81	83	77.7	82.6	72.3	77.7	66.6	73	61.8	195	
200	66.1	66.9	69.2	67.6	70	72.3	70.8	72	75.1	72.3	74.8	77.1	74.6	76.3	79.1	75.5	77	79.2	76.9	78.7	76.4	78.8	71.1	75.8	65.5	71.4	60.7	200	
205	62.2	62.9	65.2	63.9	66	68.4	66.9	67.8	71	68.4	70.9	73.1	71	72.3	75	71.5	73.1	75.8	73	74.8	75.1	75	70	73.7	64.4	69.8	59.7	205	
210	58.7	59.2	61.3	60.2	62.3	64.6	63.2	64	66.9	64.6	67.1	69.3	67.4	68.6	71	68	69.2	72.1	69.2	70.9	73.3	71.4	68.8	71.3	63.4	68.3	58.7	210	
215	55.4	55.8	57.9	56.6	58.6	61	59.8	60.5	63.3	61.1	63.4	65.5	63.7	64.9	67.4	64.6	65.8	68.5	65.9	67.3	70.2	67.8	67.7	68.2	62.4	66.6	57.7	215	
220	52.1	52.4	54.5	53.5	55.2	57.3	56.4	57.1	59.8	57.7	59.8	61.8	60.4	61.2	63.9	61.2	62.5	64.9	62.7	64	66.9	64.5	65.6	65.1	61.4	64.1	56.7	220	
225	48.9	49.1	51.2	50.5	52	54.1	53.1	53.8	56.5	54.5	56.6	58.3	57.1	58	60.4	57.9	59.2	61.7	59.5	60.9	63.5	61.3	63.3	61.8	60.3	61.6	55.9	225	
230	46.1	46.3	48	47.5	48.9	51	50.2	50.8	53.1	51.2	53.3	55.1	54	54.9	57.1	54.8	56	58.4	56.3	57.8	60.4	58.4	60.7	58.7	59.1	58.7	55	230	
235	43.3	43.6	45	44.6	45.9	47.8	47.3	47.9	50.2	48.3	50.1	51.8	51	52	54	51.9	52.9	55.2	53.4	54.7	57.3	55.4	58.1	55.9	57.6	55.8	54.1	235	
240	40.6	40.9	42	41.9	43.2	44.9	44.5	45.1	47.3	45.6	47.3	48.7	47.9	49.1	51	49.1	50.1	52.2	50.5	51.8	54.4	52.4	55.2	53.1	56.1	53.2	53.1	240	
245	38.1	38.3	39.2	39.3	40.6	42.2	41.9	42.3	44.5	42.9	44.7	45.9	45.3	46.3	48.1	46.3	47.3	49.3	47.8	49.1	51.4	49.6	52.4	50.3	53.5	50.5	52	245	
250				36.8	38	39.5	39.4	39.8	41.8	40.3	42	43.2	42.8	43.6	45.2	43.6	44.4	46.5	45.2	46.5	48.6	46.9	49.6	47.7	50.8	47.9	50.1	250	
255				34.5	35.6	36.8	36.9	37.3	39.1	37.9	39.4	40.5	40.3	41.1	42.6	41.1	42	43.7	42.5	43.9	46	44.5	46.9	45.1	48.1	45.1	47.8	255	
260							34.5	34.9	36.5	35.7	37	38																	



 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	40.2	4									



 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																													



 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°	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	88.8		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	86.7		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	85.1		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	83.1		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	81.2		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	79.5		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	77.9		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	76.2		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	74.7		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	73.2		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	71.8		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	70.6		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	69.2		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	67.8		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	66.6		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	65.4		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	64.2		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	63		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	62		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	60.9		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	59.9		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	58.9		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	58		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	57.2		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	55.9		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	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	53.3		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	51.7		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	50.2		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	47.6		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	44.9		255		
260	29	29.4	31.3	30	31.8	32.9	32.8	3																							



 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	2				

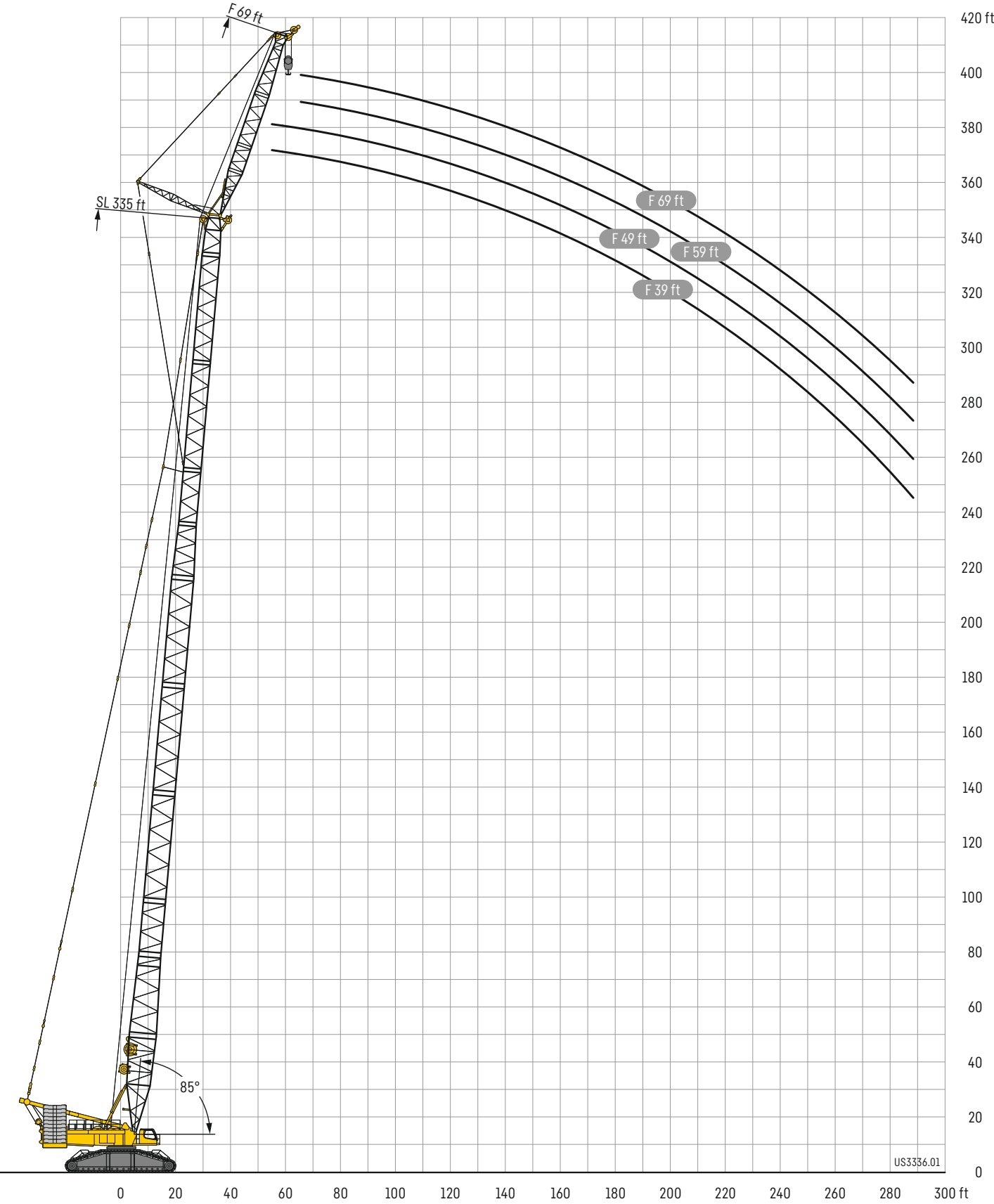


 ft	SL 335 ft												 ft
	F 39 ft			F 49 ft			F 59 ft			F 69 ft			
	12°	18°	30°	12°	18°	30°	12°	18°	30°	12°	18°	30°	
55	264												55
60	259	245		233									60
65	254	241	217	229	215		207						65
70	249	237	214	224	211		203	191		186			70
75	244	232	211	220	207	186	199	188		183	171		75
80	239	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

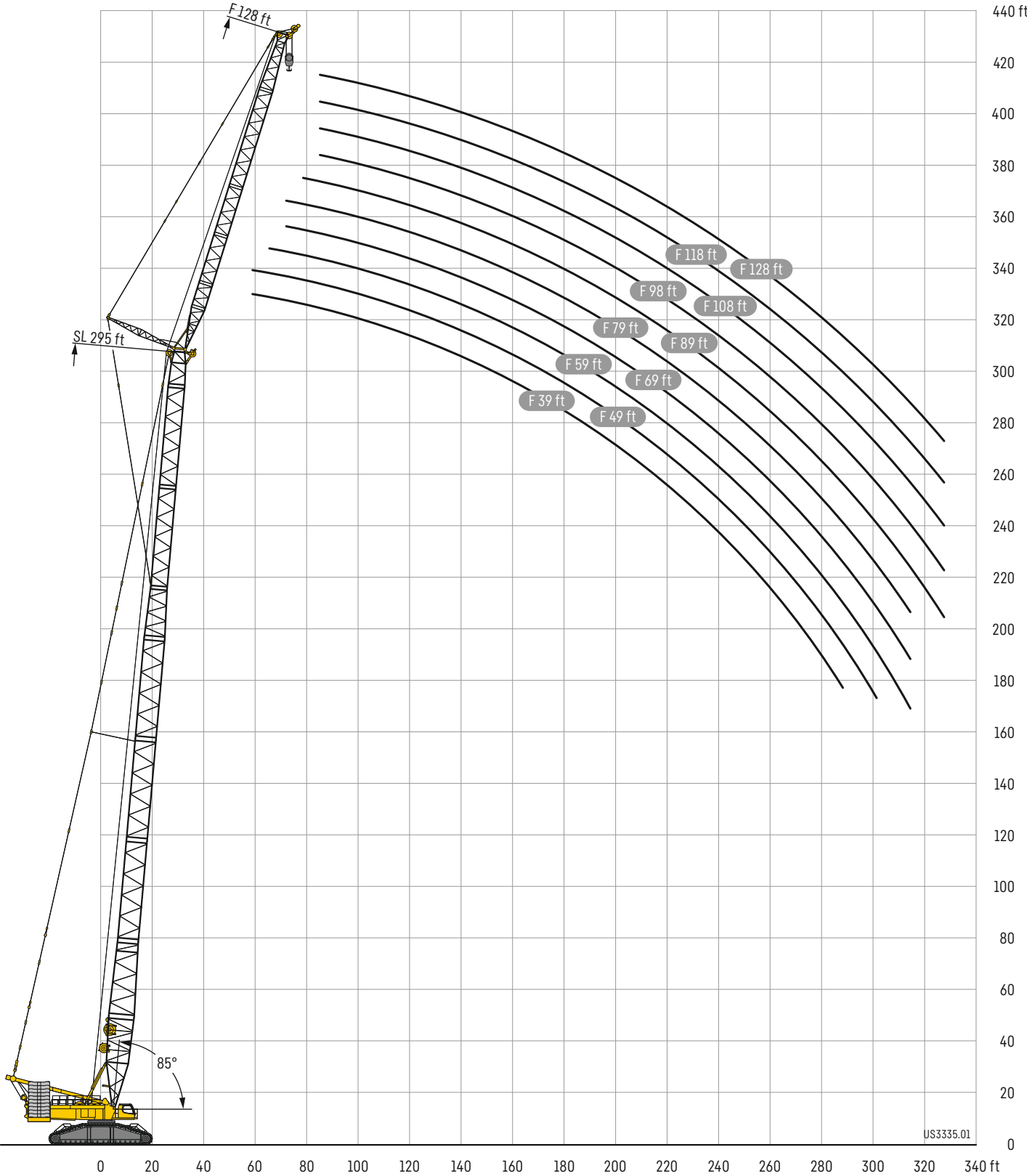
SLF



Lifting heights

Hauteurs de levage

SLF

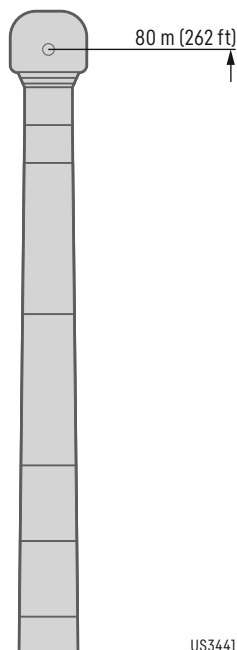


HSL3AF

HSL3 266 – 315 ft

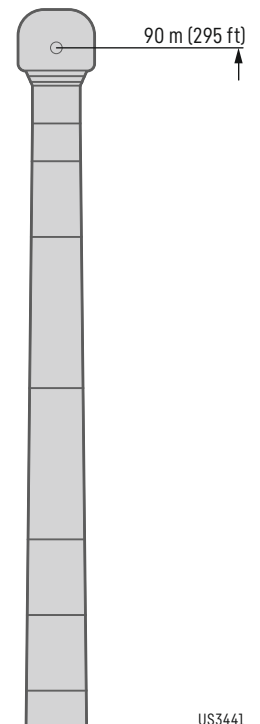


	HSL3A 266 ft			HSL3A 276 ft		
	F 39 ft	F 49 ft	F 59 ft	F 39 ft	F 49 ft	F 59 ft
	12°					
50	408			408		
55	408	376		408	377	
60	408	363	310	408	364	312
65	392	351	300	389	353	302
70	362	340	291	358	342	291
75	335	329	282	331	330	283
80	310	312	273	308	307	275
85	289	291	265	286	286	267
90	270	272	258	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

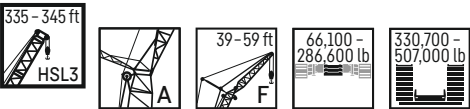
	HSL3A 305 ft			HSL3A 315 ft		
	F 39 ft	F 49 ft	F 59 ft	F 39 ft	F 49 ft	F 59 ft
	12°					
55	408			408		
60	400	367		395	367	
65	367	356	304	364	357	304
70	338	339	295	335	335	296
75	312	315	287	310	310	287
80	289	292	279	287	288	280
85	269	272	271	267	267	270
90	251	254	257	249	249	253
95	234	237	240	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			



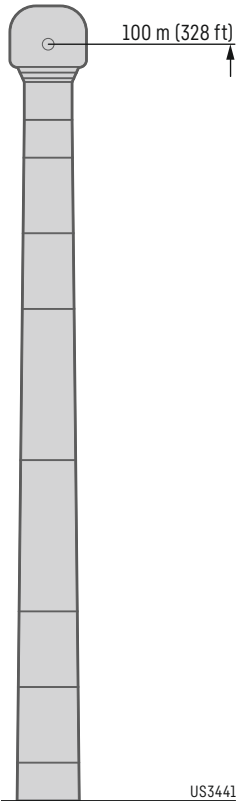
US3441

HSL3AF

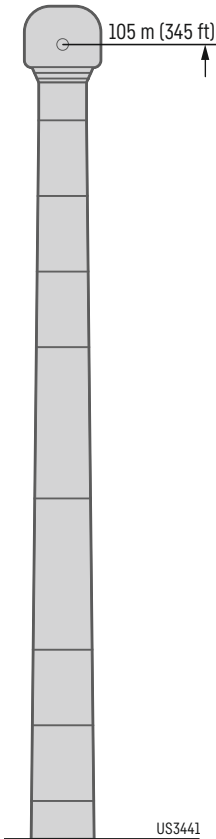
HSL3 335 – 345 ft



	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



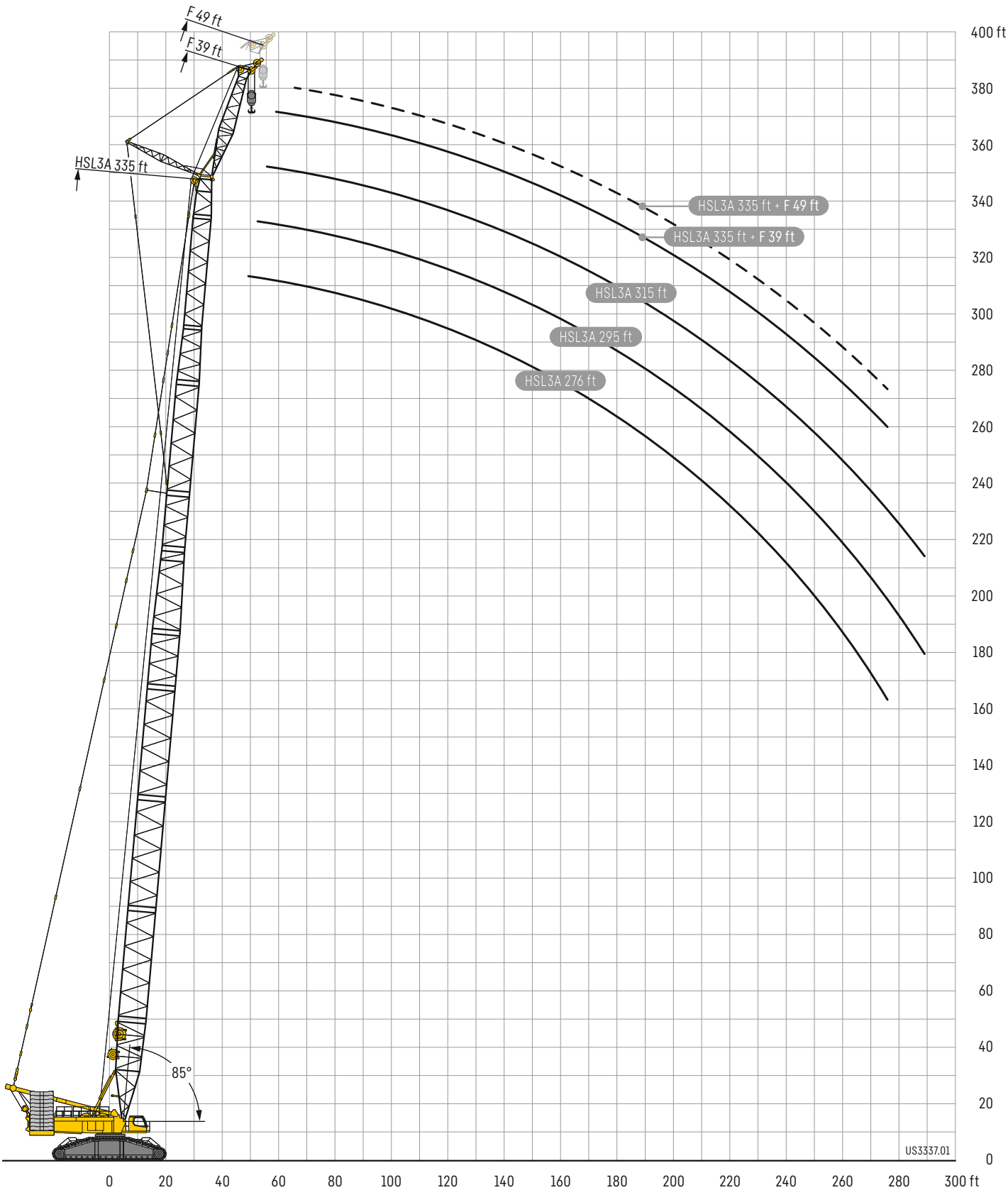
	HSL3A 345 ft	
	F 39 ft	F 49 ft
	12°	
60	359	
65	344	332
70	319	321
75	295	298
80	273	277
85	254	257
90	236	240
95	221	224
100	206	210
105	193	197
110	181	184
115	170	173
120	159	163
125	150	153
130	141	144
135	132	136
140	123	127
145	115	119
150	108	112
155	101	105
160	93.9	98.4
165	87.9	91.9
170	82.1	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

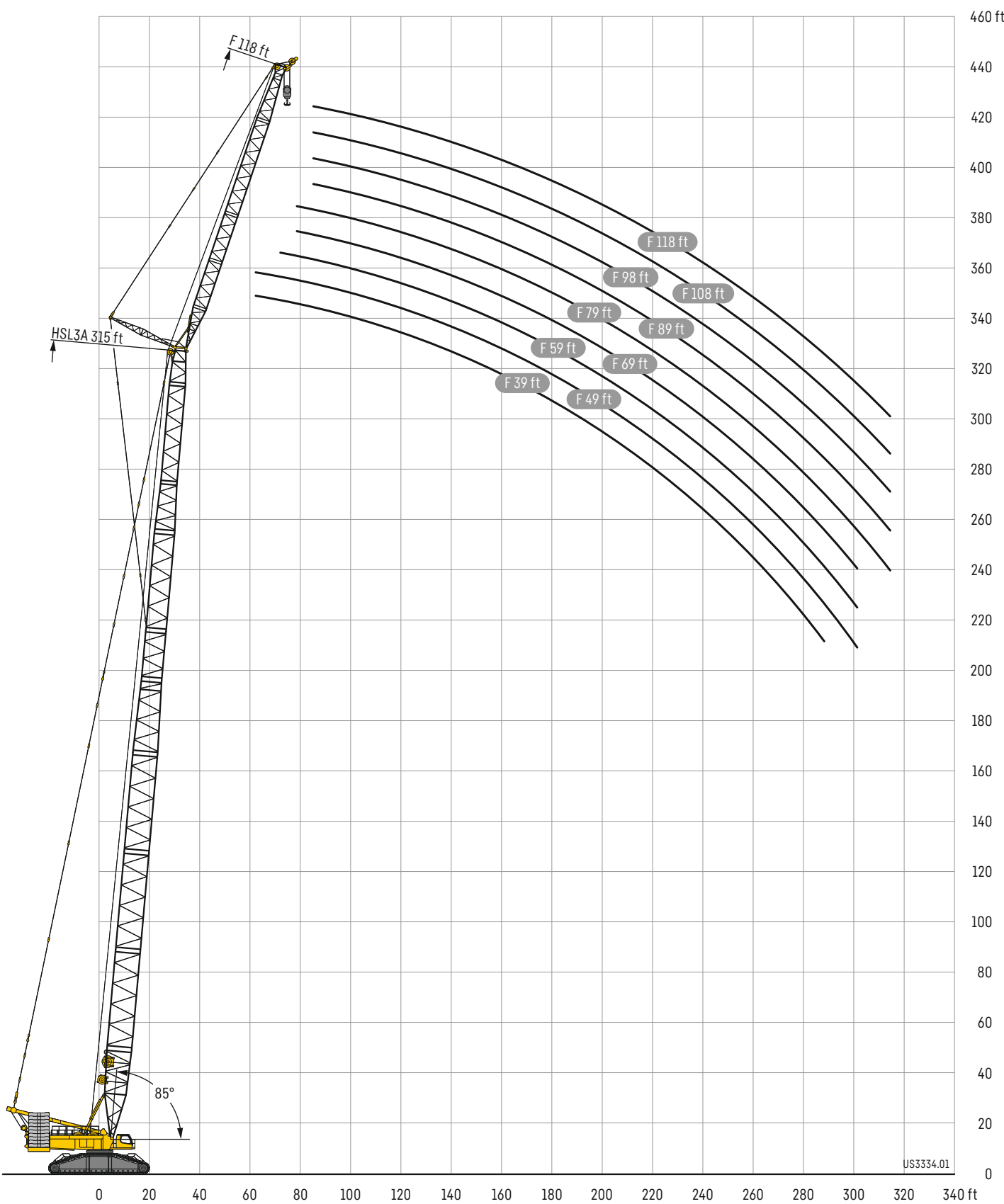
HSL3AF



Lifting heights

Hauteurs de levage

HSL3AF



US3334.01

HSL2AZDFBV

HSL2 472 – 502 ft

472 – 502 ft

HSL2

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

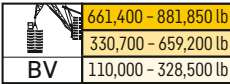
 ft	HSL2 472 ft			HSL2 482 ft			HSL2 492 ft			HSL2 502 ft		
	F 39 ft	F 49 ft	F 59 ft	F 39 ft	F 49 ft	F 59 ft	F 39 ft	F 49 ft	F 59 ft	F 39 ft	F 49 ft	F 59 ft
	12°			12°			12°			12°		
75	361			346			75			314		
80	358	320		344	308		80	329		311	281	
85	356	320	274	341	307	272	85	326	294	308	278	257
90	352	318	269	338	304	267	90	323	291	305	275	254
95	348	314	263	334	300	262	95	319	287	301	272	251
100	343	309	258	330	296	257	100	316	284	298	268	248
105	338	304	254	326	292	252	105	311	280	294	264	244
110	333	299	249	321	288	248	110	307	276	289	261	241
115	328	294	244	316	284	243	115	302	272	285	257	238
120	322	289	240	311	279	239	120	298	268	281	253	234
125	317	284	236	306	274	235	125	293	263	276	249	231
130	310	279	232	301	270	231	130	288	259	271	245	227
135	304	274	228	295	265	227	135	283	254	266	240	223
140	298	270	224	290	260	224	140	278	250	261	236	219
145	292	266	221	284	255	220	145	272	246	256	232	216
150	286	261	217	279	251	217	150	267	241	251	227	212
155	280	256	214	273	246	213	155	261	237	246	223	208
160	274	251	211	267	241	210	160	256	232	241	219	204
165	269	246	208	262	237	207	165	251	228	236	214	201
170	264	241	204	256	232	204	170	246	223	231	210	197
175	258	236	202	251	228	201	175	241	219	227	206	193
180	253	232	199	246	223	198	180	236	215	222	202	190
185	248	227	196	240	219	196	185	231	211	217	198	186
190	243	223	193	236	215	193	190	226	206	213	194	183
195	238	218	191	231	211	190	195	222	202	209	191	180
200	233	214	188	227	207	187	200	217	199	205	187	176
205	229	210	186	222	203	185	205	213	195	201	184	173
210	224	206	183	217	199	182	210	209	191	197	181	170
215	220	202	181	213	195	179	215	205	188	193	177	167
220	216	199	179	210	191	176	220	201	184	190	174	164
225	212	195	176	206	188	173	225	198	181	187	171	162
230	207	192	174	202	185	170	230	194	178	184	168	159
235	203	188	172	199	182	168	235	191	175	180	166	156
240	199	185	170	195	179	165	240	187	172	177	163	154
245	195	182	167	192	176	162	245	184	169	174	160	151
250	191	179	165	188	173	159	250	181	166	171	158	149
255	187	176	162	185	170	157	255	178	163	168	155	147
260	182	173	160	181	167	154	260	175	161	165	153	144
265	178	170	157	177	164	152	265	172	158	162	150	142
270	174	167	155	172	161	149	270	168	156	158	148	140
275	169	165	152	168	159	147	275	164	153	154	146	138
280	164	162	150	163	156	145	280	160	151	151	143	136
285	160	159	148	158	154	143	285	155	149	147	141	134
290	155	155	145	154	151	140	290	151	146	143	139	132
295	150	152	143	149	147	138	295	147	143	138	136	130
300	146	148	141	145	144	136	300	142	140	134	133	128
305	142	144	139	140	140	134	305	138	137	130	130	126
310	138	140	137	136	136	132	310	134	133	126	127	124
315	134	137	135	132	133	130	315	130	130	122	123	122
320	130	133	132	129	129	128	320	126	126	119	119	120
325	126	129	129	125	125	126	325	122	123	115	116	118
330	122	125	125	121	122	122	330	119	119	112	112	116
335	118	122	122	117	118	119	335	115	116	108	109	113
340	115	118	119	113	115	115	340	111	112	105	106	109
345	111	114	115	110	111	112	345	108	109	101	102	106
350	108	111	112	106	108	109	350	105	105	97.9	98.9	103
355	105	108	109	103	104	105	355	101	102	94.6	95.6	99.6
360	101	104	105	100	101	102	360	98	98.8	91.5	92.5	96.3
365	98.1	101	102	97.1	98	99.1	365	95	95.6	88.6	89.4	93.3
370	94.9	98.2	99.4	94	95	96.1	370	91.9	92.7	85.7	86.5	90.3
375	91.9	95	96.4	90.8	92	93.2	375	88.9	89.8	82.8	83.7	87.2
380	89	92	93.4	87.8	89	90.3	380	85.9	86.9	79.9	80.9	84.5
385	86.1	89.1	90.4	85	86	87.4	385	82.9	84.1	77	78.2	81.9
390	83.2	86.3	87.6	82.1	83.2	84.6	390	80.2	81.2	74.4	75.4	79.1
395	80.3	83.5	84.9	79.3	80.5	81.7	395	77.4	78.4	71.8	72.7	76.5
400	77.5	80.8	82.1	76.4	77.8	79.1	400	74.7	75.8	69.2	70.1	73.8
405	74.6	78	79.5	73.7	75.2	76.5	405	72.1	73.1	66.7	67.6	71.2
410	72.1	75.3	76.9	70.9	72.5	73.9	410	69.4	70.6	64.1	65.1	68.7
415	69.7	72.5	74.2	68.2	69.9	71.4	415	66.8	68	61.7	62.7	66.2
420	67.2	70.2	71.6	65.9	67.3	68.9	420	64.1	65.4	59.2	60.2	63.8
425	64.8	67.7	69.1	63.5	64.8	66.4	425	61.8	62.9	56.7	57.8	61.5
430	62.4	65.3	66.7	61.2	62.5	63.9	430	59.5	60.3	54.5	55.4	59.1
435	60.1	62.9	64.4	58.8	60.1	61.6	435	57.2	58.2	52.3	53.1	56.8
440	57.9	60.5	62.1	56.6	57.8	59.4	440	54.9	56	50.1	51.1	54.4
445	55.8	58.2	59.7	54.3	55.5	57.1	445	52.7	53.8	47.8	49.1	52.3
450		56.1	57.5	52.3	53.3	54.9	450	50.6	51.6	45.8	47.1	50.3
455		54	55.3		51.1	52.6	455	48.6	49.5	43.8	45.1	48.4
460			53.3		49.2	50.6	460	46.8	47.5	42.1	43.3	46.4
465			51.3			48.6	465		45.6	40.6	41.4	44.4
470						46.8	470		44		39.9	42.6
							475				38.4	40.8
							480					39.3
							485					37.8
							490					

140 m (459 ft)

150 m (492 ft)

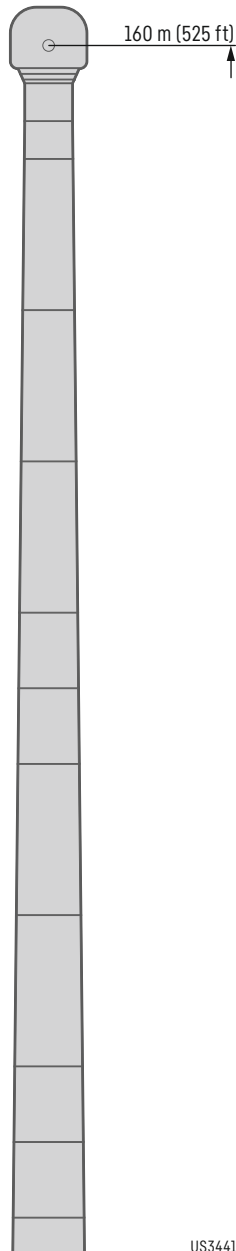
HSL2AZDFBV

HSL2 532 – 551 ft



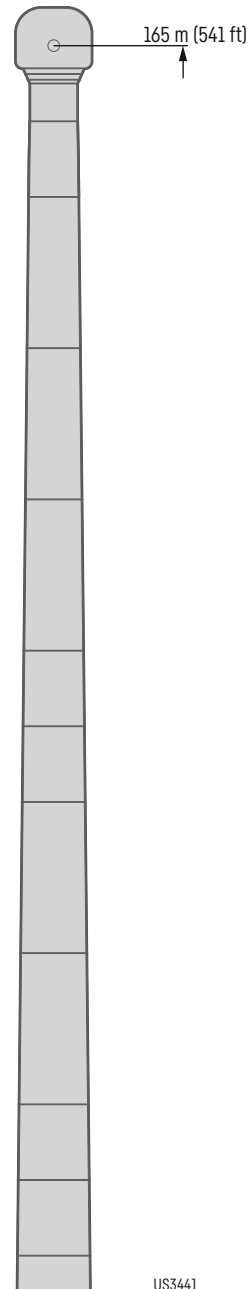
ft	HSL2 532 ft		
	F 39 ft	F 49 ft	F 59 ft
85	270	245	224
90	268	242	223
95	265	240	221
100	263	237	218
105	260	235	216
110	257	232	213
115	254	229	210
120	250	226	208
125	246	222	205
130	242	219	202
135	238	215	199
140	234	211	195
145	230	208	192
150	225	204	188
155	221	200	185
160	217	196	182
165	213	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	161	149
215	176	158	146
220	173	155	143
225	170	152	140
230	167	149	137
235	164	146	134
240	161	143	131
245	159	140	128
250	156	137	125
255	153	134	122
260	151	131	119
265	148	128	116
270	145	125	113
275	142	122	110
280	139	119	107
285	137	116	104
290	134	113	101
295	131	110	97.9
300	128	107	94.7
305	125	104	91.5
310	122	101	88.3
315	119	98	85.1
320	116	95	81.9
325	113	92	78.7
330	110	89	75.5
335	107	86	72.3
340	104	83	69.1
345	101	80	65.9
350	97.9	77	62.7
355	94.7	74	59.5
360	91.5	71	56.3
365	88.3	68	53.1
370	85.1	65	50.0
375	81.9	62	46.8
380	78.7	59	43.7
385	75.5	56	40.5
390	72.3	53	37.3
395	69.1	50	34.2
400	65.9	47	31.0
405	62.7	44	27.9
410	59.5	41	24.7
415	56.3	38	21.6
420	53.1	35	18.4
425	50.0	32	15.3
430	46.8	29	12.1
435	43.7	26	9.0
440	40.5	23	5.8
445	37.3	20	2.7
450	34.2	17	-0.4
455	31.0	14	-3.6
460	27.9	11	-6.8
465	24.7	8	-10.0
470	21.6	5	-13.2
475	18.4	2	-16.4
480	15.3	-1	-19.6
485	12.1	-4	-22.8
490	9.0	-7	-26.0
495	5.8	-10	-29.2
500	2.7	-13	-32.4
505	-0.4	-16	-35.6
510	-3.6	-19	-38.8
515	-6.8	-22	-42.0
520	-10.0	-25	-45.2

ft	HSL2 541 ft		
	F 39 ft	F 49 ft	F 59 ft
253	227	207	184
249	224	204	181
245	221	201	178
241	217	197	175
237	214	194	172
233	210	191	169
229	207	188	166
225	203	185	163
221	199	182	160
217	196	179	157
213	192	175	154
209	188	172	151
205	185	169	148
201	181	166	145
197	178	163	142
193	175	160	139
189	171	157	136
185	168	154	133
181	165	151	130
177	162	148	127
173	159	145	124
169	156	142	121
165	152	139	118
161	149	136	115
157	146	133	112
153	143	130	109
149	140	127	106
145	137	124	103
141	134	121	100
137	131	118	97.9
133	128	115	94.7
129	125	112	91.5
125	122	109	88.3
121	119	106	85.1
117	116	103	81.9
113	113	100	78.7
109	110	97.9	75.5
105	107	94.7	72.3
101	104	91.5	69.1
97	101	88.3	65.9
93	98	85.1	62.7
89	95	81.9	59.5
85	92	78.7	56.3
81	89	75.5	53.1
77	86	72.3	50.0
73	83	69.1	46.8
69	80	65.9	43.7
65	77	62.7	40.5
61	74	59.5	37.3
57	71	56.3	34.2
53	68	53.1	31.0
49	65	50.0	27.9
45	62	46.8	24.7
41	59	43.7	21.6
37	56	40.5	18.4
33	53	37.3	15.3
29	50	34.2	12.1
25	47	31.0	9.0
21	44	27.9	5.8
17	41	24.7	2.7
13	38	21.6	-0.4
9	35	18.4	-3.6
5	32	15.3	-6.8
1	29	12.1	-10.0



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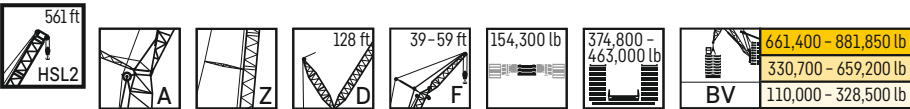
ft	HSL2 551 ft		
	F 39 ft	F 49 ft	F 59 ft
85	235	213	193
90	232	210	190
95	229	207	187
100	226	204	184
105	224	201	181
110	221	198	178
115	217	195	175
120	214	192	172
125	210	189	169
130	206	186	166
135	203	183	163
140	199	180	160
145	195	177	157
150	191	174	154
155	187	171	151
160	184	168	148
165	180	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	94.7
255	131	111	91.5
260	129	108	88.3
265	127	105	85.1
270	125	102	81.9
275	123	99.2	78.7
280	121	96.5	75.5
285	120	93.8	72.3
290	118	91.1	69.1
295	116	88.4	65.9
300	115	85.7	62.7
305	113	83.0	59.5
310	112	80.3	56.3
315	110	77.6	53.1
320	108	74.9	50.0
325	107	72.2	46.8
330	105	69.5	43.7
335	103	66.8	40.5
340	102	64.1	37.3
345	99.9	61.4	34.2
350	97.4	58.7	31.0
355	94.6	56.0	27.9
360	91.8	53.3	24.7
365	88.9	50.6	21.6
370	86	47.9	18.4
375	83.1	45.2	15.3
380	80.2	42.5	12.1
385	77.5	39.8	9.0
390	74.7	37.1	5.8
395	71.9	34.4	2.7
400	69.5	31.7	-0.4
405	67.1	29.0	-3.6
410	64.7	26.3	-6.8
415	62.3	23.6	-10.0
420	59.9	20.9	-13.2
425	57.5	18.2	-16.4
430	55.4	15.5	-19.6
435	53.2	12.8	-22.8
440	51.1	10.1	-26.0
445	49.2	7.4	-29.2
450	47.2	4.7	-32.4
455	45.3	2.0	-35.6
460	43.3	-0.7	-38.8
465	41.3	-3.4	-42.0
470	39.7	-6.1	-45.2
475	38.2	-8.8	-48.4
480	36.7	-11.5	-51.6
485	35.2	-14.2	-54.8
490	33.7	-16.9	-58.0
495	32.3	-19.6	-61.2
500	30.8	-22.3	-64.4
505	29.3	-25.0	-67.6
510	27.8	-27.7	-70.8
515	27.1	-30.4	-74.0
520	25.6	-33.1	-77.2
525	25.1	-35.8	-80.4
530	23.7	-38.5	-83.6



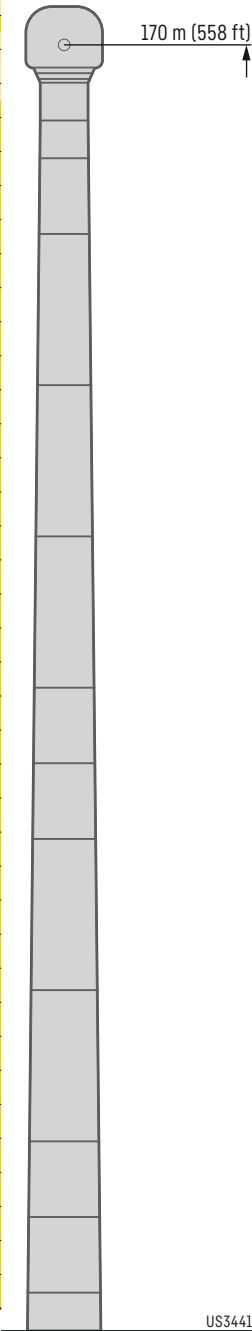
US3441

HSL2AZDFBV

HSL2 561 ft



ft	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

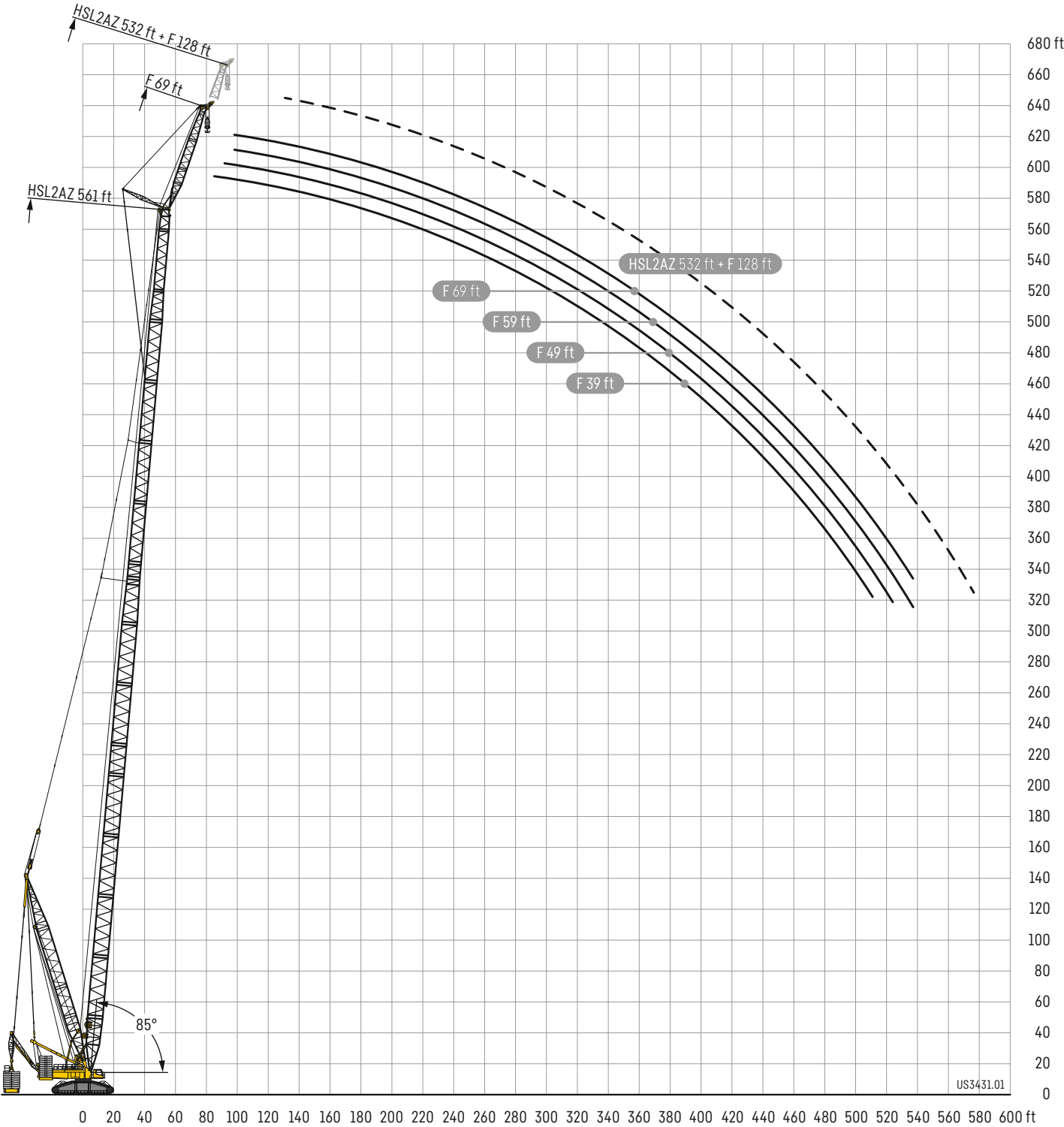


US3441

Lifting heights

Hauteurs de levage

HSL2AZDFBV



US3431.01

Description of symbols

Explication des symboles

	Max. capacity Capacité max.		No. of lines Brins
	Max. boom length Longueur maxi. de la fleche principale		No. of sheaves Poulies
	Max. boom system length Longueur maxi. du systeme de fleche		Radius Portée
	Counterweight Contrepoids		Main boom SL Flèche principale SL
	Central ballast Contrepoids central		Main boom, heavy/light Flèche principale, lourde/légère
	Width crawler chassis Largeur du train de chenilles		Main boom S Flèche principale S
	Hoist gear Treuil de levage		Main boom, heavy Flèche principale, lourde
	Working speeds Vitesses		Derrick system D Système derrick D
	Max. single line pull Effort au brin maxi.		Luffin fly jib, heavy Flèchelette, lourde
	Rope diameter Diamètre		Fixed lattice jib F Flèchelette à treillis fixe F
	Rope length Longueur du câble		Adapter A Pièce d'adaptateur A
	Slewing speeds Vitesses d'orientation		Additional guying support Chevalet tendeur
	Driving speed Vitesse de translation		Counterweight frame B Palette de lest B
	Load Forces de levage		Suspended ballast V-Frame® V-Frame® de contrepoids suspendu
	Hookblock/Capacity Moufle à crochet/Capacité de charge		Counterweight trailer M-Wagon Remorque à contrepoids M-Wagon
	Weight Poids		

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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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

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