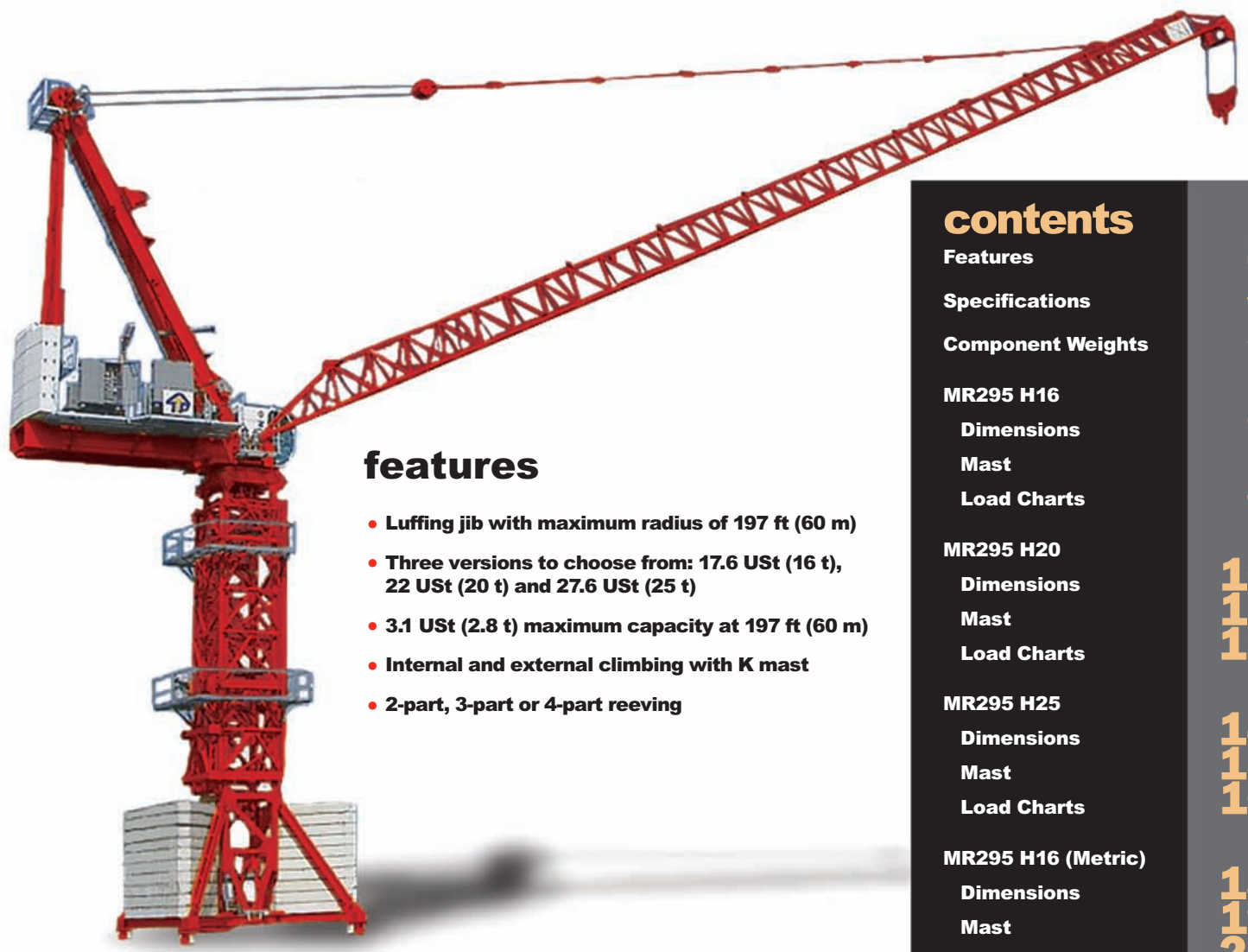


POTAIN 

MR 295

product
guide



features

- Luffing jib with maximum radius of 197 ft (60 m)
- Three versions to choose from: 17.6 USt (16 t), 22 USt (20 t) and 27.6 USt (25 t)
- 3.1 USt (2.8 t) maximum capacity at 197 ft (60 m)
- Internal and external climbing with K mast
- 2-part, 3-part or 4-part reeving

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*Product may be shown with optional equipment.



features

2



Seven (7) different jib lengths from 98 ft (30 m) to 197 ft (60 m) in 16 ft (5 m) increments make the MR 295 flexible to match the needs of your jobsite. In addition, the MR 295 can be placed on 6.6 ft (2 m) mast for compact spaces or 8 ft (2.45 m) mast for even taller free standing height.



The optional SM/DM hookblock allows the crane to be operated in 2-part, **3-part** or 4-part line applications for greater performance on the jobsite.



With a fixed counterweight, the MR 295 has less moving parts and a more compact counterjib.



Vision cab V140SR is equipped with all of the standard features of the V140S with the addition of a glass window on the ceiling for excellent visibility with a luffing-jib tower crane.

MR 295



specifications



Jib

98 ft (30 m) radius standard lattice jib. Catwalks in all sections for maintenance and easy access to sling points for erection and dismantling. Identification plates are welded on each section. The jib foot attaches to the pivot point and locks in place with two (2) pins. Inspection platform is fixed to the jib nose and equipped with plates on each side for advertising decals.



*Optional Jib Extensions

Six (6) optional jibs are available for radii from 115 ft (35 m) to 197 ft (60 m).



Counter-Jib

One 27.2 ft (8.3 m) design for all jib configurations. Hoisting and luffing winches, ballast, and servicing derrick are all located on the counter-jib. Maintenance is easy with grated platforms and grab rails fitted on each side. Four (4) pins connect the counter-jib to towerhead. Collecting devices prevent the pins from falling during removal.



Ballast (customer supplied)

Two (2) concrete block styles for various ballasting combinations according to jib length: 2,205 lb (1000 Kg) and 8,708 lb (3950 Kg). Blocks are held in place by rods and a locking system.



Cab

140 SR Vision cab is standard and includes heating, window vent, tinted glass, windshield wipers, sun visor, document case, side pocket, bottle holder, ergonomic seat with high back, adjustable armrests, height and seating with control units, front-to-back shifting and reclining back.



Controls

Dual axis joystick controls via umbilical cord at ground level. In cab controls at seat standard, *remote control with dual axis joysticks optional.



Reeving

SM hookblock for 2-part line application standard. *Optional SM/DM hookblock for 2, 3 or 4-part line applications optional.



Electrical Requirement

480 volt, 60 Hz measured at the turntable.



Dialog Visu & *Anemometer

Dialog Visu is standard and displays information to the operator such as height under hook, radius, loads and overload moment, and wind speed (when *anemometer is ordered). Other anemometer options: wind speed alarm, indicator for ground, and recorder.

*Denotes optional equipment



Swing

RVF 182 Optima + slewing mechanism with maximum swing speed of 0.8 RPM. Progressive control of speed with counter-slewing possible, anti-load swinging system makes aligning the load and jib easier.



Hoist

Hoist is specific to version selected:

17.6 USt (16 t):	75 LVF 40 Optima
22 USt (20 t):	100 LVF 50 Optima
27.6 USt (25 t):	150 LCC 63

Optional hoists include:

100 LVF 40	(17.6 USt [16 t])
150 LCC 40	(17.6 USt [16 t])
150 LCC 50	(22 USt [20 t])

75 LVF 40 Optima 100 LVF 50 Optima 150 LCC 63

Single Line Pull:	4.4 USt (4 t)	5.5 USt (5 t)	6.9 USt (6.25 t)
Hook speed:	295 ft/min (90 m/min)	308 ft/min (94 m/min)	361 ft/min (110 m/min)
Horse Power:	75 HP	100 HP	150 HP
Spooling Capacity:	2,090 ft (637 m)	3,727 ft (1136 m)	3,583 ft (1092m)

Specification of quantity of hoist rope is dependent upon customer's requirements and mast height.



Luffer

100 VVF 40: 100 HP variable frequency hoist with a luffing time of one (1) minute forty (40) seconds from 15° to 86°.

* Optional Equipment

* STANDARD NORTH AMERICAN SPECIFICATION MR 295-H20: includes electric slip ring, 150LCC50 hoist, 230 ft (70), cable 2x4G 50mm2, 197 ft (60 m) jib radius, heating mechanisms for the control panel and hoist motor, SM/DM hookblock, 820 ft (250 m) hoist rope, cab equipped with insulation, and anemometer.

* Additions to the above Standard North American Specification for respective models:
17.6 USt (16 t): 150 LCC 40 hoist

- * Electric slip ring
- * Jib radius 115 – 197 ft (35 – 60 m)
- * SM/DM Hookblock
- * Anemometer
- * Motorized greasing

Consult price list for additional options

NOTE: The information above is useful as a basic introduction to the crane. In no case may this serve as a substitute for the serial numbered manuals. Dimensions have been rounded to the nearest tenth.



specifications

4



Mast

K mast in sizes of K600 (6.6 ft [2 m]) or K800 (8.0 ft [2.45 m]), panel or monoblock, and climbing or non-climbing available. Lengths of 10.9 ft (3.33 m), 16.4 ft (5 m), and 32.8 ft (10 m) available. Identification plates welded on each section to designate the type of mast and pin box to stow pins when not in use.

Mast nomenclature:

K – Series of mast with box angled members

M – Monoblock, non climbing

R – Reinforced

MT – Monoblock & climbing

RMT – Reinforced, monoblock, climbing

Equipped with aluminum ladders and galvanized steel resting platforms in each section. Cast connections are secured with two double tapered pins.

*Tirax tool and *Tirax pins available for faster easier assembly.

NOTE: Combinations of masts can allow free-standing HUH to increase.



Climbing Equipment

Equipment available for both internal climbing and external climbing of both 6.6 ft (2 m) and 8.0 ft (2.45 m) mast. Internal climbing equipment sold separately: hydraulic unit, jack, and collars. External climbing equipment sold separately: climbing cage, hydraulic unit, yoke, and jack.



Anchor Stools

Anchor stools to be used in combination with a concrete foundation.

Anchors P62A or P60US: permanent anchor, maximum free-standing HUH: 172.2 ft (52.5 m) for 6.6 ft (2 m) K mast.

Anchors P800A or P800US: permanent anchor, maximum free-standing HUH: 211.6 ft (64.5 m) for 8.0 ft (2.45 m) K mast.



Chassis

Chassis available with square footprint of 19.7 ft (8 m) for K600 and K800 mast. Composed of 2 metallic structures connected with a central mast-chassis and 4 struts for rigidity. A chassis can be placed on straight or curved traveling equipment or metallic stools embedded into a concrete block.

Chassis V60A: square footprint of 19.7 ft (8 m), free-standing HUH: 172.6 ft (52.6 m) for 6.6 ft (2 m) K mast, 98 ft (30 m) jib.

Chassis Y800A: square footprint of 19.7 ft (8 m), free-standing HUH: 231.0 ft (70.4 m) for 8.0 ft (2.45 m) K mast, 98 ft (30 m) jib.



Cross Shaped Base

A cross shaped base is available with a square footprint of 19.7 ft (8 m). Composed of two (2) beams and able to be placed on screw jacks with support plates, screw jacks with concrete blocks or traveling equipment.

Cross ZX6830 on K600: square footprint of 19.7 ft (6 m), free-standing HUH 180.8 ft (55.1 m) on 6.6 ft (2 m) K mast.

Cross ZX6830 on K800: square footprint of 19.7 ft (6 m), free-standing HUH 166.7 ft (50.8 m) on 8.0 ft (2.45 m) K mast.

**Consult price list for additional options*

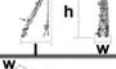
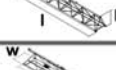
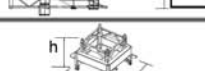
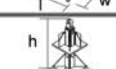
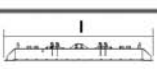
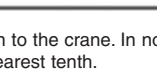
MR 295

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component weights

5

Component Weights						
Item	Qty.		l ft (m)	w ft (m)	h ft (m)	weight lb (kg)
1	1	Towerhead 2m 	9.8 (2.98)	7.5 (2.28)	10.3 (3.14)	20,172 (9 150)
2	1	Counter-jib 	24.4 (7.43)	16.9 (5.15)	15.4 (4.7)	15,432 (7 000)
3	1	Hoisting winch 150 LCC 50 	11.8 (3.6)	5.4 (1.64)	5.9 (1.8)	9,039 (4 100)
4	1	Cab V140SR 	11.2 (3.4)	6.2 (1.9)	9.0 (2.75)	3,806 (1 160)
5	1	Tower top 	24.9 (7.6)	10.8 (3.3)	10.8 (3.3)	15,465 (7 015)
6	1	Jib foot 	33.7 (10.3)	6.2 (1.9)	6.5 (2.0)	3,241 (1 470)
7	X	Jib section 	17.0 (5.2)	5.9 (1.8)	5.5 (1.7)	1,429 (648)
8	X	Jib section 	33.4 (10.2)	5.9 (1.8)	5.5 (1.7)	2,709 (1 229)
9	1	Jib section 	38.7 (11.8)	6.0 (1.8)	6.5 (2.0)	4,462 (1 360)
10	X	KR639A 	17.2 (5.2)	6.8 (2.1)	6.7 (2.0)	10,646 (3 245)
11	X	K639C 	11.7 (3.6)	6.8 (2.1)	6.7 (2.0)	4,376 (1 985)
12	X	KR839A2 	17.2 (5.2)	8.1 (2.5)	8.3 (2.5)	9,105 (4 130)
13	X	KR839C2 	11.8 (3.6)	8.1 (2.5)	8.3 (2.5)	6,856 (3 110)
14	1	T60A External climbing cage 	36.7 (11.18)	14.4 (4.39)	13.5 (4.13)	18,155 (8 235)
15	1	T800A External climbing cage 	33.4 (10.2)	18.4 (5.6)	15.4 (4.7)	28,600 (12 973)
16	1	K800/KR60 	10.6 (3.2)	8.1 (2.5)	7.3 (2.2)	9,750 (4 423)
17	4	Fixing angle P60US 	2.0 (0.61)	2.0 (0.61)	4.7 (1.4)	1,100 (499)
18	4	Fixing angle P800US 	2.5 (0.8)	2.5 (0.8)	5.9 (1.8)	1,477 (670)
19	1	Cross shaped base: ZX6830 	29.9 (9.1)	2.5 (0.8)	4.9 (1.5)	12,004 (5 445)
	1	Cross shaped base: ZX6830 	29.9 (9.1)	3.7 (1.1)	3.6 (1.1)	11,607 (5 265)

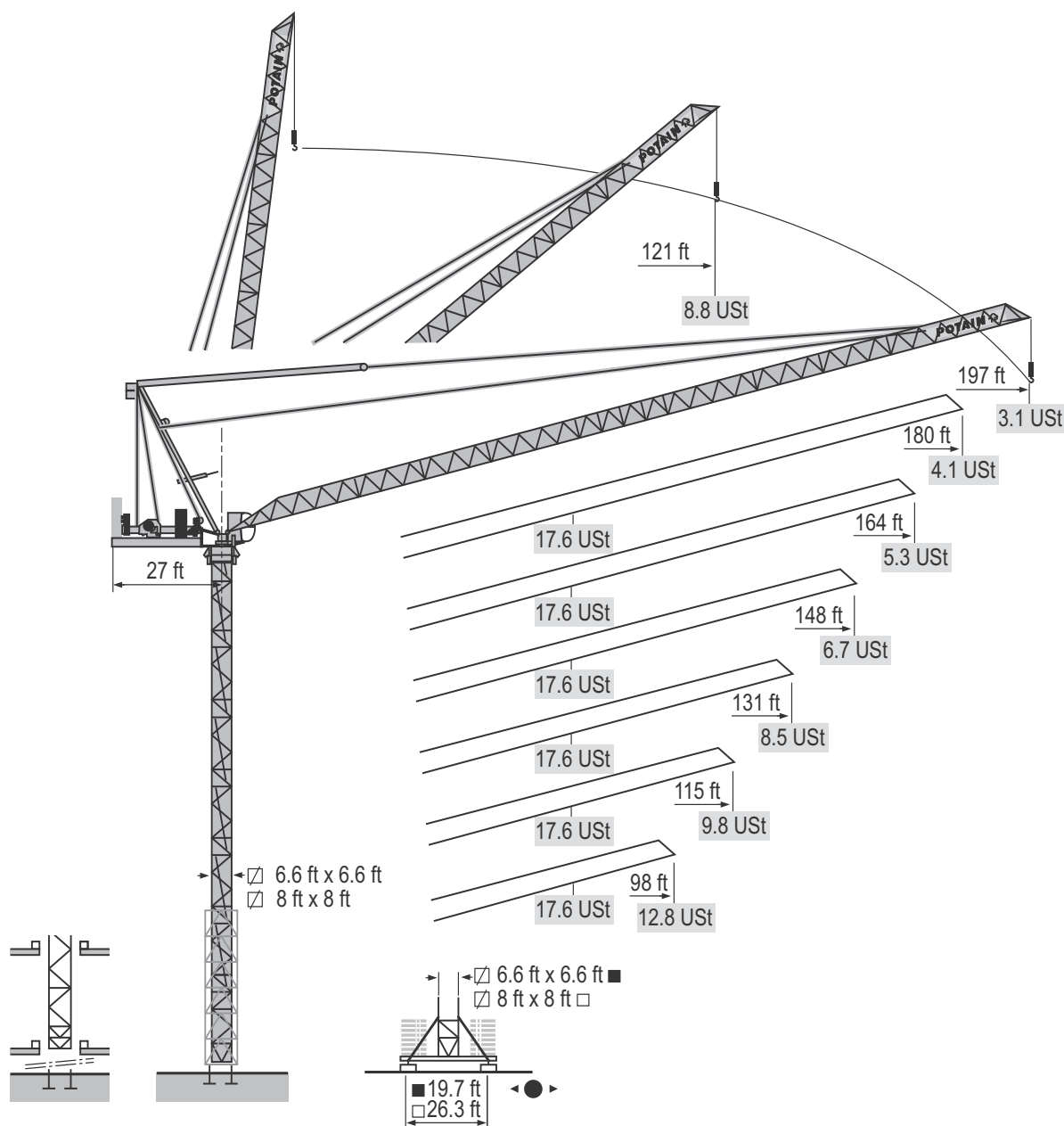
NOTE: The information above is useful as a basic introduction to the crane. In no case may this serve as a substitute for the serial numbered manuals. Dimensions have been rounded to the nearest tenth.



dimensions

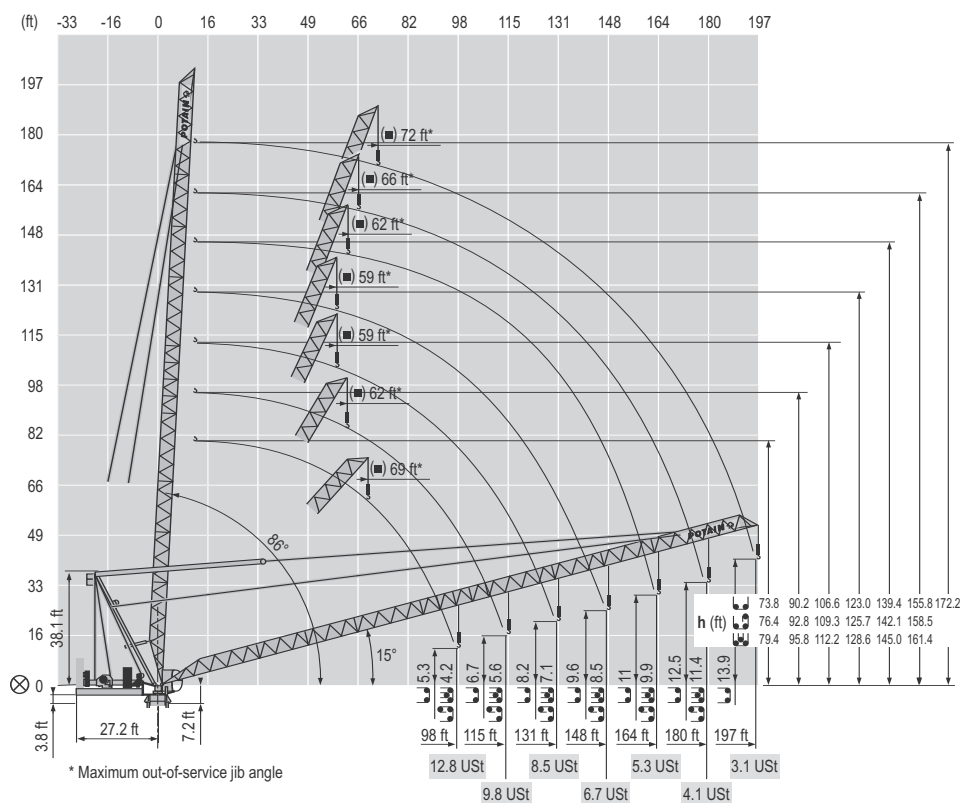
MR 295 H16

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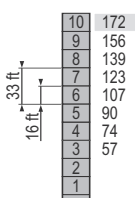


THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

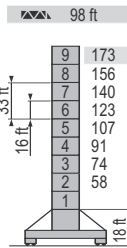
MR 295

**mast****MR 295 H16****7****K600 Mast**

98 - 115 ft

**P 62 A**

	H (ft)	16 ft	11 ft
131 ft	167	9	1
148 ft	161	8	2
164 ft	156	9	-
180 ft	145	7	2
197 ft	139	8	-

**V 60 A**

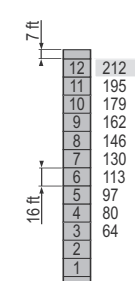
	H (ft)	16 ft	11 ft
115 ft	156	8	-
131 ft	145	6	2
148 ft	135	6	1
164 ft	123	6	-
180 ft	113	4	2
197 ft	107	5	-

**B 60 A**

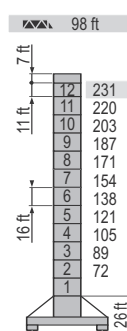
	H (ft)	16 ft	11 ft
131 ft	167	8	2
148 ft	161	-	-
164 ft	156	8	1
180 ft	139	7	1
197 ft	128	7	-

K800 Mast

98 ft

**P 800 A**

	H (ft)	16 ft	11 ft
115 ft	200	10	2
131 ft	190	10	1
148 ft	184	9	2
164 ft	173	9	1
180 ft	168	8	2
197 ft	162	9	-

**Y 800 A**

	H (ft)	16 ft	11 ft
115 ft	220	11	-
131 ft	209	9	2
148 ft	203	10	-
164 ft	193	8	2
180 ft	182	8	1
197 ft	176	7	2

**B 800 B**

	H (ft)	16 ft	11 ft
115 ft	200	11	-
131 ft	190	9	2
148 ft	184	10	-
164 ft	173	8	2
180 ft	168	9	-
197 ft	162	8	1

NOTE: Illustrated hook heights on this page were determined using FEM 1.001. Configurations shown may include optional equipment. Other codes may require reductions in configurations.



load charts

MR 295 H16

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2-Part Capacity

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L00	L55	L50	L45	L40	L35	L30
20.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
30.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
40.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
50.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
60.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
70.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
80.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
90.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
100.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
101.5	17,837	17,837	17,837	17,837	17,837	17,837	17,837
110.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
117.5	17,837	17,837	17,837	17,837	17,837	17,837	17,837
120.0	17,837	17,837	17,837	17,837	17,837	17,837	17,837
130.0	15,543	16,122	16,593	16,783	17,224		
133.5	14,761	15,423	15,713	15,783	16,424		
140.0	13,446	14,106	14,327	14,840			
146.5	11,787	12,341	12,609	13,067			
150.0	11,840	12,240	12,531				
160.0	10,023	10,684	11,340				
165.5	9,330	10,432	10,971				
170.0	8,879	9,602					
180.0	7,335	8,217					
181.5	7,238	8,157					
190.0	6,834						
195.5	6,175						
Min. Radius	16.4	16.4	16.4	13.1	13.1	13.1	9.8

3-Part Capacity

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L00	L55	L50	L45	L40	L35	L30
20.0	20,455	20,455	20,455	20,455	20,455	20,455	20,455
30.0	20,455	20,455	20,455	20,455	20,455	20,455	20,455
40.0	20,455	20,455	20,455	20,455	20,455	20,455	20,455
50.0	20,455	20,455	20,455	20,455	20,455	20,455	20,455
60.0	20,455	20,455	20,455	20,455	20,455	20,455	20,455
70.0	20,455	20,455	20,455	20,455	20,455	20,455	20,455
80.0	20,455	20,455	20,455	20,455	20,455	20,455	20,455
90.0	20,205	20,455	20,455	20,455	20,455	20,455	20,455
100.0	22,734	23,000	23,395	23,722	24,277	24,852	24,852
101.5	22,022	22,403	22,883	23,124	23,505	24,251	24,251
110.0	19,379	19,701	20,037	20,362	21,244		
117.5	17,139	17,547	17,788	18,519	18,855		
120.0	16,595	16,909	17,129	18,011			
130.0	14,221	14,579	15,401	15,543			
133.5	13,438	13,729	14,011	14,727			
140.0	12,122	13,007	13,224				
146.5	11,023	11,459	11,424				
150.0	11,023	11,307					
160.0	9,582	9,633					
165.5	8,889	8,885					
170.0	8,238						
180.0	6,894						
181.5	6,885						
190.0							
195.5							
Min. Radius	16.4	16.4	13.1	13.1	13.1	9.8	

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

MR 295



load charts

MR 295 H16

9

4-Part Capacity / 2-Part Capacity

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L80	L55	L30	L45	L40	L35	L30
20.0		35,274	35,274	35,274	35,274	35,274	35,274
30.0		35,274	35,274	35,274	35,274	35,274	35,274
40.0		35,274	35,274	35,274	35,274	35,274	35,274
50.0		35,274	35,274	35,274	35,274	35,274	35,274
60.0		35,274	35,274	35,274	35,274	35,274	35,274
70.0		35,274	35,274	35,274	35,274	35,274	35,274
80.0		31,089	31,426	31,731	32,087	32,748	33,274
90.0		26,009	26,230	26,430	26,991	27,552	27,993
100.0		21,738	22,073	22,399	22,940	23,395	24,512
101.8		21,140	21,360	21,801	22,237	22,678	23,810
110.0		18,378	18,715	19,039	19,376	20,808	
117.6		17,074	17,449	17,637	18,078	18,409	
120.0		16,595	16,909	17,129	17,637		
130.0		14,221	14,579	15,764	15,884		
133.8		13,438	13,729	14,862	15,102		
140.0		12,122	13,228	13,685			
146.3		11,464	11,787	11,795			
150.0		11,464	11,649				
160.0		9,854	10,023				
165.2		9,109	9,149				
170.0		8,459					
180.0		7,115					
181.0		6,945					
190.0							
196.9							
Min. Radius	16.4	16.4	13.1	13.1	13.1	9.8	

Notes:

1. Bold line indicates the division between 2-part line and 4-part line.
2. Deduct 1,102 lb when using 4-part line at a radius greater than the bold line.
3. Higher 2-part capacities can be achieved if the hanging block and the additional hook block are removed.
(see load chart for 2-part capacity)

MR 295 H16 60 Hz			L					R					hp	kW	
75 LVF 40 Optima	ft/min	0	112	144	249	295	0	56	72	125	148		75	55	2,090 ft
	UST	8.8	6.6	3.3	2.2		17.6	13.2	6.6	4.4					
	ft/min	0	144	184	308	381	0	72	92	154	190		100	75	3,727 ft
	UST	8.8	6.6	3.3	2.2		17.6	13.2	6.6	4.4					
100 LVF 40 Optima	ft/min	0	230	276	348	459	551	0	115	138	174	230	150	110	3,583 ft
	UST	8.8	6.6	4.4	2.2	1.1		17.6	13.2	8.8	4.4	2.2			
150 LCC 40	ft/min														
100 VVF 40	ft/min												100	75	
RVF 182 Optima +	rpm						0	0.8					2 x 12	2 x 9	
	ft/min														
CEI 38			IEC 38			kVA									
480 V (+6% -10%) 60 Hz						75 LVF : 190 kVA 100 LVF : 220 kVA 150 LCC : 300 kVA									

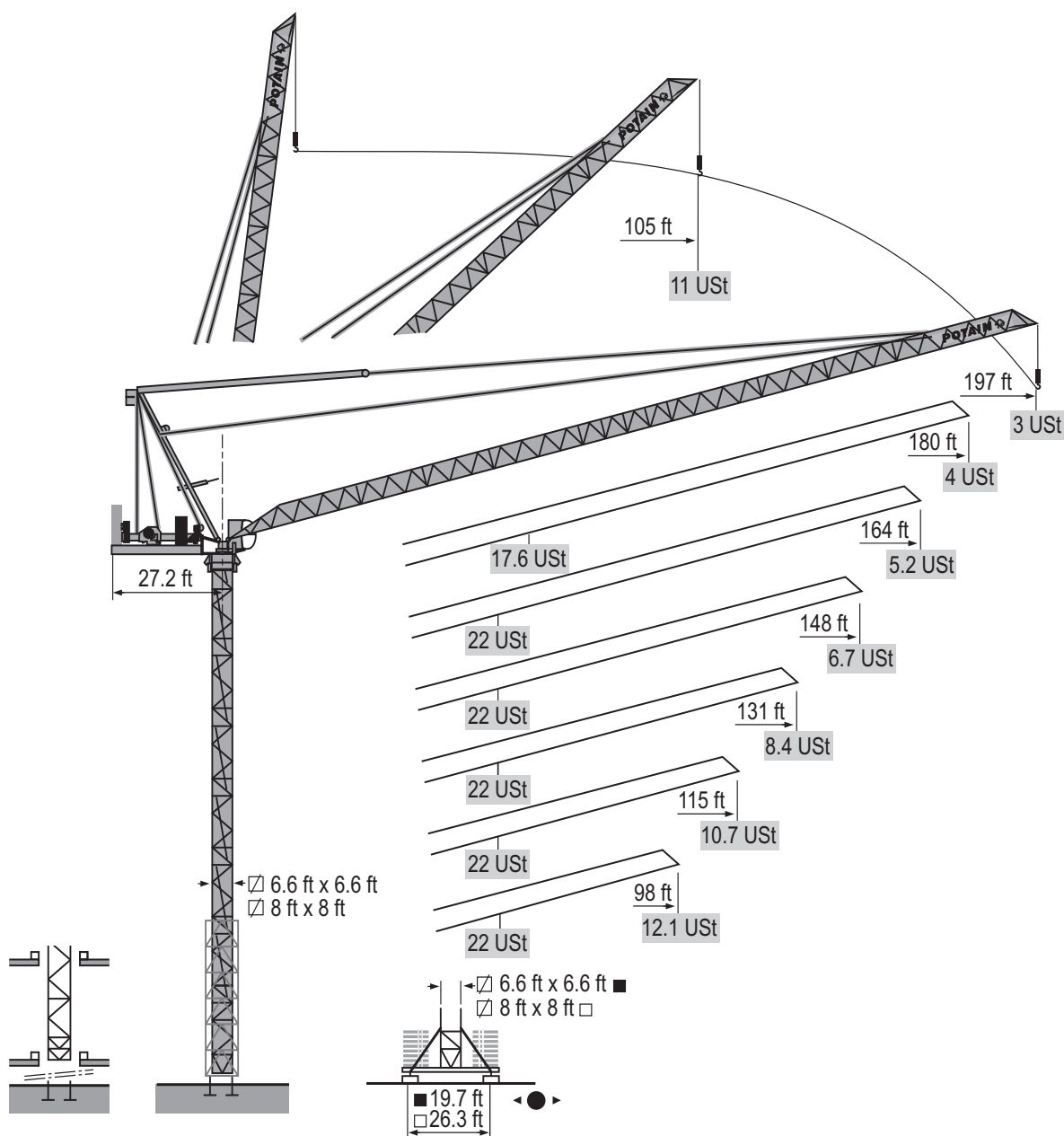
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dimensions

MR 295 H20

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MR 295

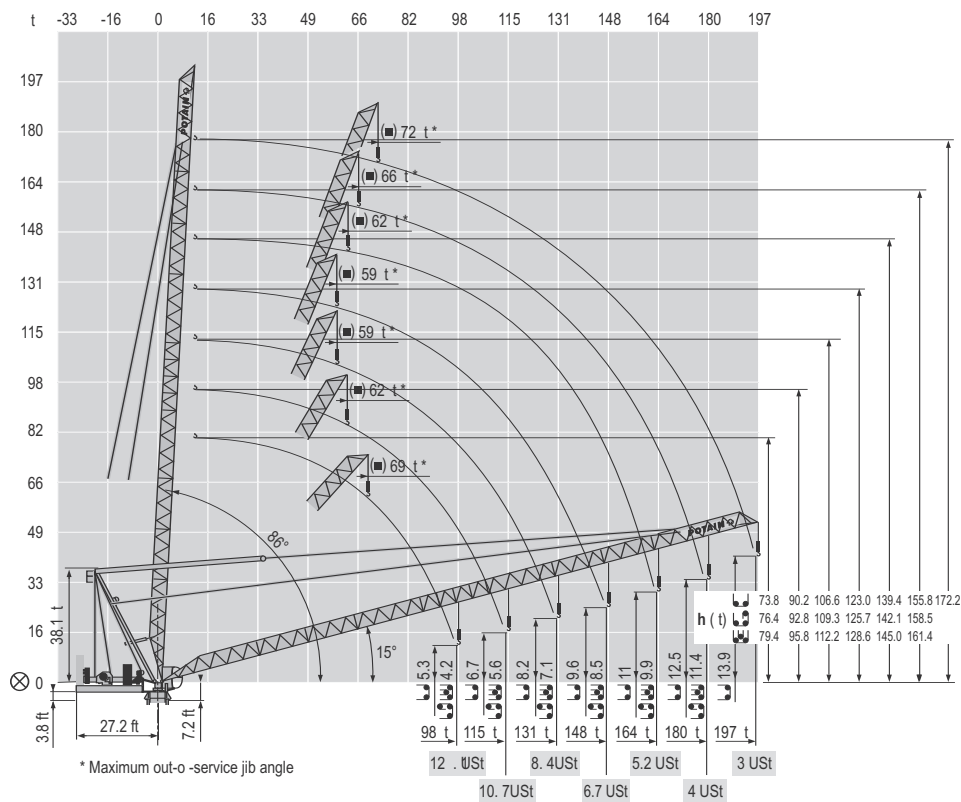
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



mast

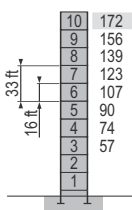
MR 295 H20

11



K600 Mast

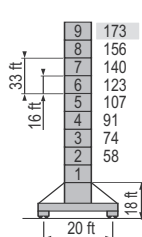
98 - 115 ft



P 62 A

H (ft)	16 ft	11 ft
131 ft	167	9
148 ft	161	8
164 ft	156	7
180 ft	145	2
197 ft	139	8

98 ft

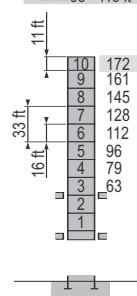


V 60 A

H (ft)	16 ft	11 ft
115 ft	156	8
131 ft	145	6
148 ft	135	6
164 ft	123	6
180 ft	113	4
197 ft	107	5

H

98 - 115 ft

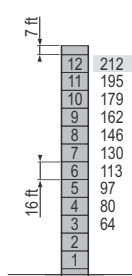


B 60 A

H (ft)	16 ft	11 ft
131 ft	167	8
148 ft	161	-
164 ft	156	8
180 ft	139	7
197 ft	128	7

K800 Mast

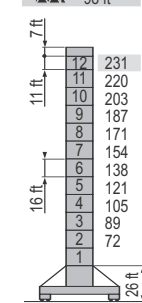
98 ft



P 800 A

H (ft)	16 ft	11 ft
115 ft	200	10
131 ft	190	10
148 ft	184	9
164 ft	173	9
180 ft	168	8
197 ft	162	9

98 ft

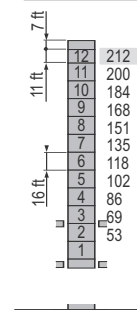


Y 800 A

H (ft)	16 ft	11 ft
115 ft	220	11
131 ft	209	9
148 ft	203	10
164 ft	193	8
180 ft	182	8
197 ft	176	7

H

98 ft



B 800 B

H (ft)	16 ft	11 ft
115 ft	200	11
131 ft	190	9
148 ft	184	10
164 ft	173	8
180 ft	168	9
197 ft	162	8

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load charts

MR 295 H20

2-Part Capacity

12

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L60	L55	L50	L45	L40	L35	L30
20.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
30.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
40.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
50.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
60.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
70.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
80.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
90.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
100.0	22,040	22,040	22,040	22,040	22,040	22,040	22,040
101.5	22,040	22,040	22,040	22,040	22,040	22,040	22,040
110.0	20,582	20,803	21,140	21,581	21,813	22,040	
117.5	18,429	18,940	18,870	19,343	19,752	20,000	
120.0	17,790	18,011	18,231	18,672	19,113		
130.0	15,323	15,543	15,902	16,342	17,004		
135.5	14,541	14,761	15,052	15,403	16,004		
140.0	13,224	13,445	13,665	14,106			
146.5	11,567	11,787	12,121	13,007			
150.0	11,429	11,040	12,028				
160.0	9,803	10,074	10,950				
165.5	9,109	9,921	10,141				
170.0	8,459	9,381					
180.0	7,997						
181.5	7,802	7,637					
190.0	6,953						
195.5	6,852						

Min. Radius	10.4	10.4	10.4	13.1	13.1	13.1	9.8
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3-Part Capacity

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L60	L55	L50	L45	L40	L35	L30
20.0	20,455	33,000	33,000	33,000	33,000	33,000	33,000
30.0	20,455	33,000	33,000	33,000	33,000	33,000	33,000
40.0	20,455	33,000	33,000	33,000	33,000	33,000	33,000
50.0	20,455	33,000	33,000	33,000	33,000	33,000	33,000
60.0	20,455	33,000	33,000	33,000	33,000	33,000	33,000
70.0	20,455	33,000	33,000	33,000	33,000	33,000	33,000
80.0	20,455	31,290	31,040	32,087	32,477	33,000	33,000
90.0	25,970	28,230	28,460	28,891	27,552	28,440	
100.0	22,179	22,073	22,399	22,828	23,842	24,251	
101.5	21,576	21,434	21,802	22,342	23,346	23,818	
110.0	18,819	18,715	19,039	20,141	20,582		
117.5	16,995	16,995	17,702	17,888	18,122		
120.0	16,027	16,027	17,129	17,340			
130.0	13,997	14,441	14,579	14,799			
135.5	12,998	13,078	13,880	13,877			
140.0	11,981	12,342	12,593				
146.5	10,582	10,658	10,714				
150.0	10,582	10,547					
160.0	9,141	8,921					
165.5	8,227	8,118					
170.0	7,577						
180.0	6,328						
181.5	6,179						
190.0							
195.5							

Min. Radius	10.4	10.4	13.1	13.1	13.1	9.8
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MR 295



load charts

MR 295 H20

13

4-Part Capacity / 2-Part Capacity

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L60	L55	L50	L45	L40	L35	L30
20.0	-	35,274	44,082	44,082	44,082	44,082	44,082
30.0	-	35,274	44,082	44,082	44,082	44,082	44,082
40.0	-	35,274	44,082	44,082	44,082	44,082	44,082
50.0	-	35,274	44,082	44,082	44,082	44,082	44,082
60.0	-	35,274	43,865	44,029	44,082	44,082	44,082
70.0	-	35,274	37,105	37,325	37,766	38,353	39,683
80.0	-	30,544	30,408	30,764	31,205	31,731	32,849
90.0	-	25,348	25,348	25,588	26,009	26,545	28,660
100.0	-	21,191	21,940	22,046	22,046	23,501	24,251
101.8	-	20,479	21,797	22,022	22,046	22,899	22,818
110.0	-	17,833	19,039	19,482	20,803	21,244	
117.8	-	16,886	18,886	18,429	18,849	18,799	
120.0	-	16,247	18,501	17,780	18,011		
130.0	-	13,917	15,020	15,240	15,323		
133.5	-	13,218	14,321	14,391	14,551		
140.0	-	11,901	13,004	13,004			
149.3	-	11,023	11,239	11,244			
150.0	-	11,023	11,147				
160.0	-	9,582	9,413				
166.2	-	8,813	8,598				
170.0	-	8,018					
180.0	-	6,674					
181.0	-	6,314					
190.0	-						
196.3	-						

Min. Radius	16.4	16.4	16.4	13.1	13.1	13.1	9.8
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Notes:

1. Bold line indicates the division between 2-part line and 4-part line.
2. Deduct 1,102 lb when using 4-part line at a radius greater than the bold line.
3. Higher 2-part capacities can be achieved if the hanging block and additional hook block are removed. (see load chart for 2-part capacity)

MR 295 H20 60 Hz																			hp	kW							
	100 LVF 50 Optima	ft/min	0	→	118	→	177	→	282	→	308	0	→	59	→	89	→	141	→	154	100	75	3,340 f				
		USt			11		6.6		3.3		2.1			22		13.2		6.6		4.2							
	150 LCC 50	ft/min	0	→	190	→	223	→	282	→	374	→	453	0	→	95	→	112	→	141	→	187	→	226	150	110	2,579 f
		USt			11		8.3		5.5		2.8		1.4			22		16.5		11		5.5		2.8			
	100 VVF 40	ft/min	1 min 40 s																			100	75				
	RVF 182 Optima +	rpm	0 → 0.8																			2 x 12	2 x 9				
		ft/min																									
CEI 38			IEC 38			kVA																					
480 V (+6% -10%) 60 Hz			100 LVF : 220 kVA 150 LCC : 300 kVA																								

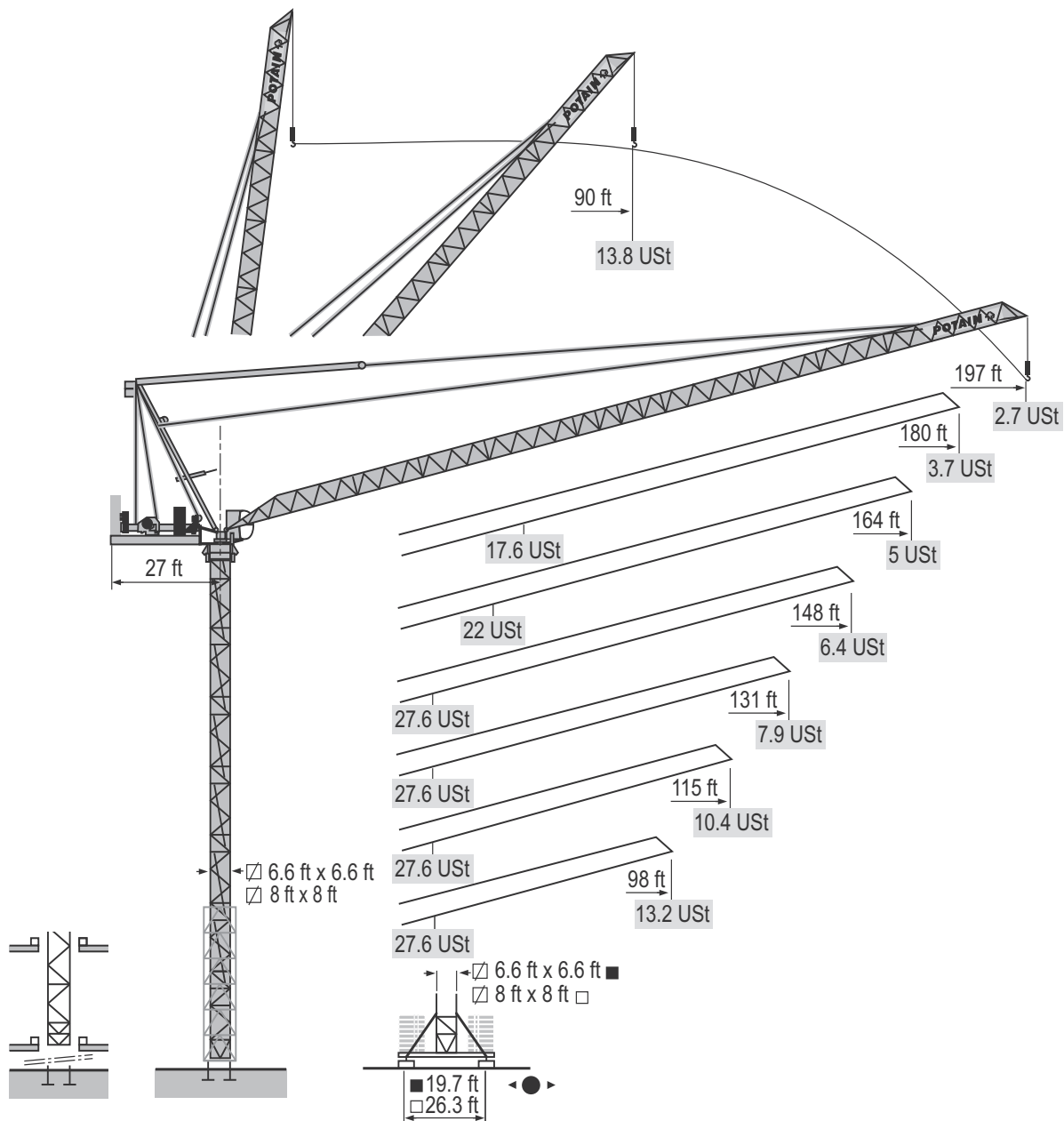
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dimensions

MR 295 H25

14



MR 295

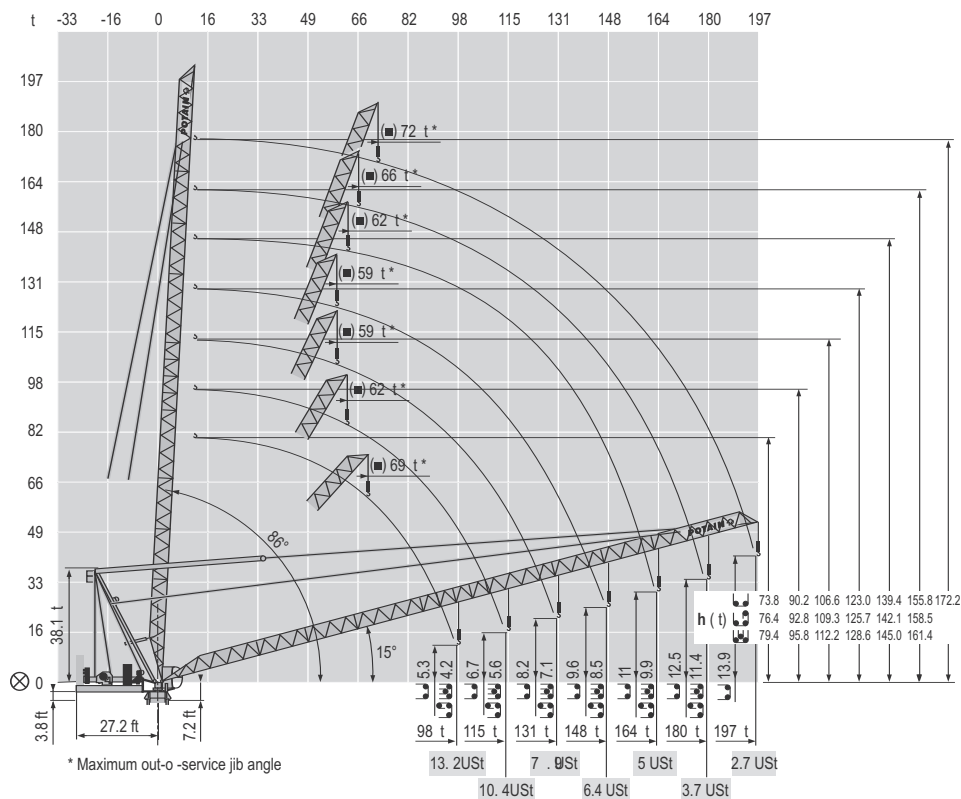
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



mast

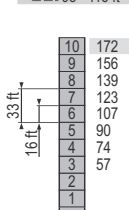
MR 295 H25

15

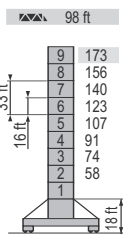


K600 Mast

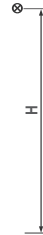
98 - 115 ft



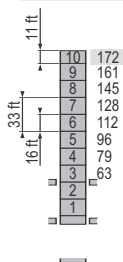
H (ft)	16 ft	11 ft
131 ft	167	9
148 ft	161	8
164 ft	156	9
180 ft	145	7
197 ft	139	8



H (ft)	16 ft	11 ft
115 ft	156	8
131 ft	145	6
148 ft	135	6
164 ft	123	6
180 ft	113	4
197 ft	107	5



98 - 115 ft



H (ft)	16 ft	11 ft
131 ft	167	8
148 ft	161	8
164 ft	156	8
180 ft	139	7
197 ft	128	7

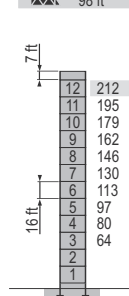
P 62 A

V 60 A

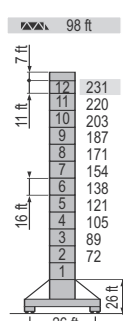
B 60 A

K800 Mast

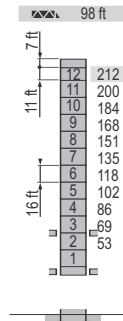
98 ft



H (ft)	16 ft	11 ft
115 ft	200	10
131 ft	190	10
148 ft	184	9
164 ft	173	9
180 ft	168	8
197 ft	162	9



H (ft)	16 ft	11 ft
115 ft	220	11
131 ft	209	9
148 ft	203	10
164 ft	193	8
180 ft	182	8
197 ft	176	7



H (ft)	16 ft	11 ft
115 ft	200	11
131 ft	190	9
148 ft	184	10
164 ft	173	8
180 ft	168	9
197 ft	162	8

P 800 A

Y 800 A

B 800 B

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load charts

MR 295 H25

3- Part Capacity

16

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L80	L55	L50	L45	L40	L35	L30
20.0	27,558	27,558	27,558	27,558	27,558	27,558	27,558
30.0	27,558	27,558	27,558	27,558	27,558	27,558	27,558
40.0	27,558	27,558	27,558	27,558	27,558	27,558	27,558
50.0	27,558	27,558	27,558	27,558	27,558	27,558	27,558
60.0	27,558	27,558	27,558	27,558	27,558	27,558	27,558
70.0	27,558	27,558	27,558	27,558	27,558	27,558	27,558
80.0	27,558	27,558	27,558	27,558	27,558	27,558	27,558
90.0	27,082	27,307	27,403	27,558	27,558	27,558	27,558
100.0	23,175	23,722	23,942	24,408	24,718	25,380	25,834
101.5	22,403	23,119	23,345	23,785	24,000	24,053	25,135
110.0	19,817	20,302	20,582	21,023	21,104	22,340	
117.5	17,547	18,021	18,420	18,870	19,531	19,842	
120.0	16,900	17,470	17,790	18,231	18,803		
130.0	14,579	15,020	15,323	15,081	16,205		
133.5	13,879	14,320	14,541	15,432	15,432		
140.0	12,503	13,004	13,372	14,327			
146.5	10,900	11,572	12,341	12,458			
150.0	10,707	11,520	12,240				
160.0	9,531	10,404	10,515				
165.5	9,330	9,095	8,790				
170.0	8,879	8,900					
180.0	7,335	7,550					
181.5	7,200	7,408					
190.0	6,212						
195.5	5,461						
Min. Radius	10.4	10.4	10.4	13.1	13.1	13.1	9.8

3- Part Capacity

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L80	L55	L50	L45	L40	L35	L30
20.0	20,465	33,000	41,337	41,337	41,337	41,337	41,337
30.0	20,465	33,000	41,337	41,337	41,337	41,337	41,337
40.0	20,465	33,000	41,337	41,337	41,337	41,337	41,337
50.0	20,465	33,000	41,337	41,337	41,337	41,337	41,337
60.0	20,465	33,000	41,337	41,337	41,337	41,337	41,337
70.0	20,465	33,000	37,325	37,700	38,427	39,309	
80.0	20,465	30,985	30,840	31,205	31,731	33,053	
90.0	25,884	25,789	25,789	26,015	27,332	27,808	
100.0	21,852	21,738	22,019	22,840	23,175	23,578	
101.5	21,140	21,140	22,022	22,237	22,403	22,818	
110.0	18,404	18,378	19,200	19,480	19,817		
117.5	16,224	16,224	17,100	17,327	17,438		
120.0	15,580	15,713	16,408	16,888			
130.0	13,250	14,138	14,000	14,138			
133.5	12,557	13,438	13,218	13,218			
140.0	11,240	12,122	11,901				
146.5	10,141	10,357	10,141				
150.0	10,141	10,265					
160.0	8,700	8,531					
165.5	8,007	7,782					
170.0	7,350						
180.0	6,012						
181.5	5,842						
190.0							
195.5							
Min. Radius	10.4	10.4	13.1	13.1	13.1	9.8	

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MR 295



load charts

MR 295 H25

17

4-Part Capacity / 2-Part Capacity

Hook Radius (ft)	Capacity (lb)						
	Jib Configuration						
	L60	L55	L50	L45	L40	L35	L30
20.0		35,274	44,082	55,116	55,116	55,116	55,116
30.0		35,274	44,082	55,116	55,116	55,116	55,116
40.0		35,274	44,082	55,116	55,116	55,116	55,116
50.0		35,274	44,082	54,851	54,804	55,010	55,116
60.0		35,274	43,775	45,124	45,245	46,006	46,667
70.0		35,200	36,443	36,223	36,664	37,105	37,766
80.0		29,967	29,882	29,747	30,103	30,459	32,392
90.0		24,782	24,686	26,009	26,896	27,463	27,558
100.0		20,750	21,729	23,395	23,501	23,942	24,081
101.8		20,088	21,360	22,663	22,804	23,340	23,391
110.0		17,637	18,598	19,921	20,141	20,478	
117.6		16,445	16,445	17,768	17,800	18,078	
120.0		15,806	16,060	17,129	17,129		
130.0		13,476	14,662	14,579	14,662		
139.5		12,777	13,879	13,879	13,889		
140.0		11,461	12,563	12,563			
149.3		10,582	10,906	10,902			
150.0		10,582	10,767				
160.0		9,192	9,141				
165.2		8,448	8,267				
170.0		7,797					
180.0		6,453					
191.0		6,255					
190.0							
196.9							

Min. Radius	16.4	16.4	13.1	13.1	13.1	9.8
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Notes:

1. Bold line indicates the division between 2-part line and 4-part line.
2. Deduct 1,322 lb when using 4-part line at a radius greater than the bold line.
3. Higher 2-part capacities can be achieved if the hanging block and additional hook block are removed. (see load chart for 2-part capacity)

MR 295 H25 60 Hz													hp	kW			
	150 LCC 63	ft/min	0	151	184	230	302	361	0	75	92	115	151	180		150	110
	USt		13.8	9.9	6.6	3.3	1.7		27.6	19.8	13.2	6.6	3.4				
	100 VVF 40	ft/min	1 min 40 s													100	75
	RVF 182 Optima +	rpm	0 → 0.8													2 x 12	2 x 9
		ft/min															
CEI 38 			IEC 38														
480 V (+6% -10%) 60 Hz								150 LCC : 300 kVA									

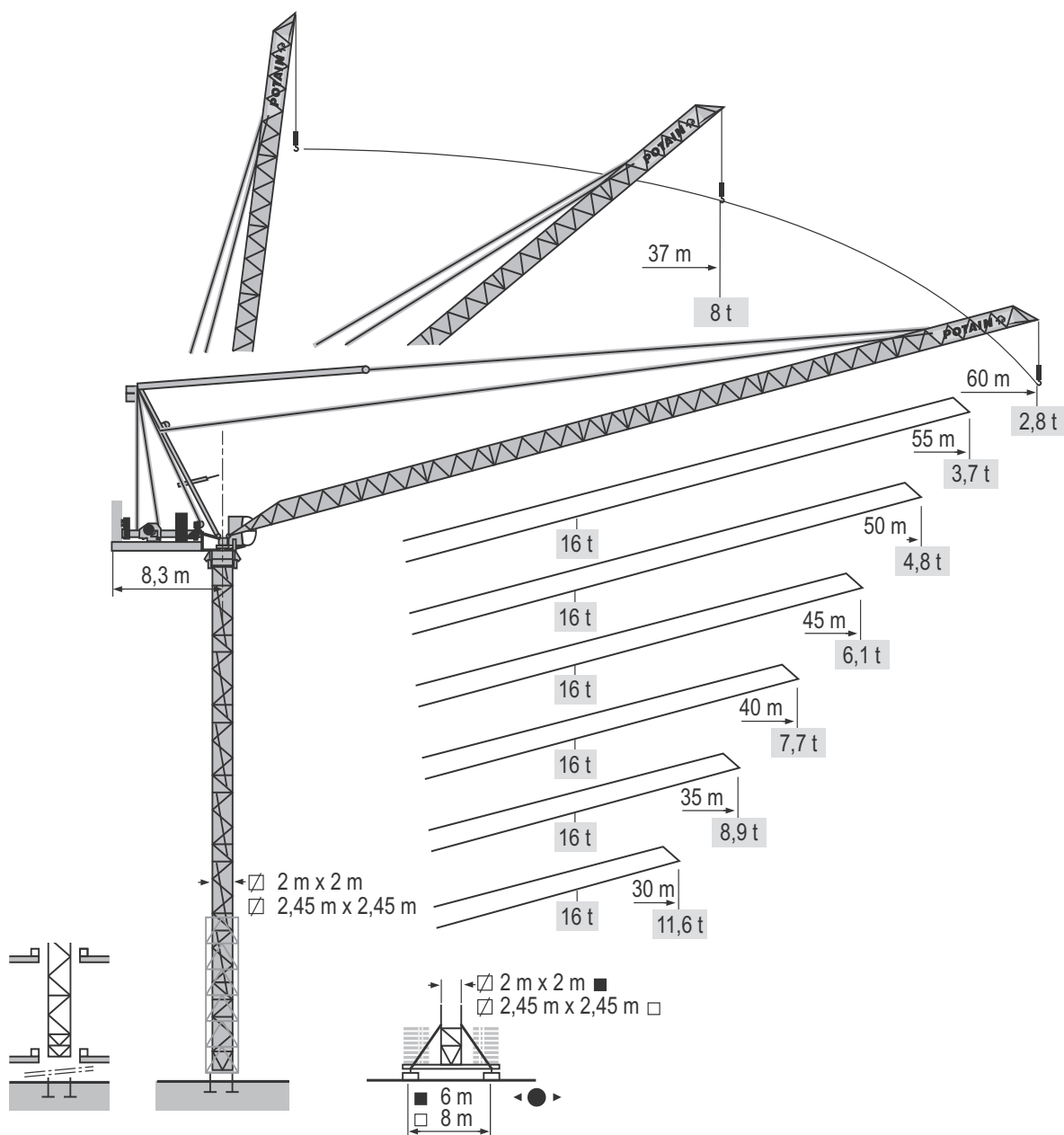
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric dimensions

MR 295 H16

18



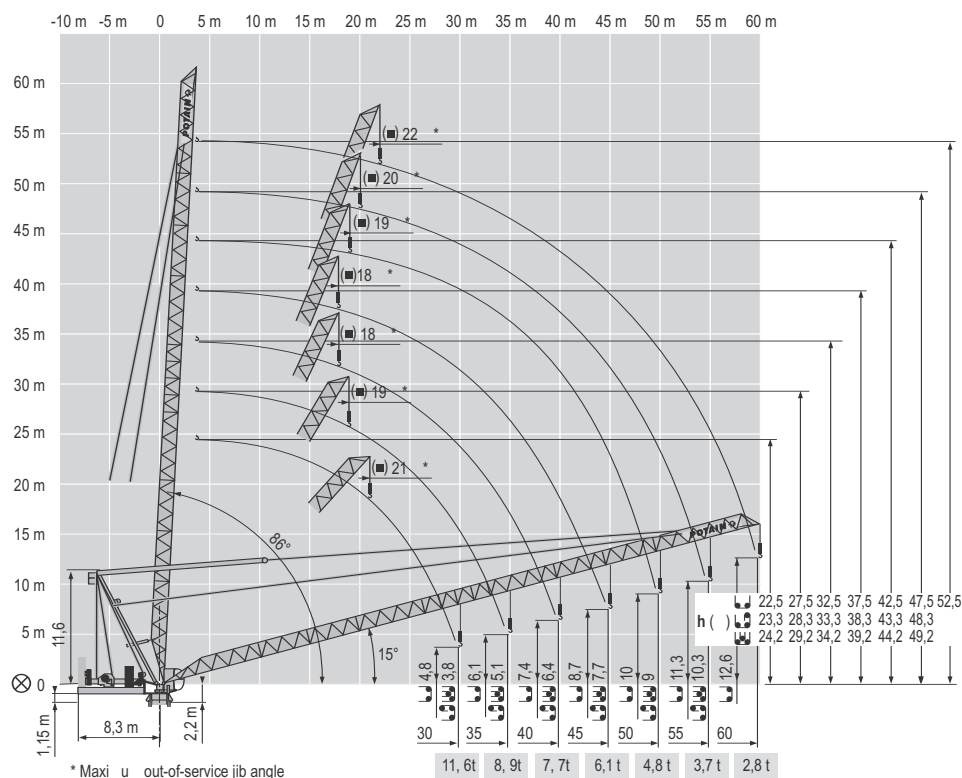
MR 295

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

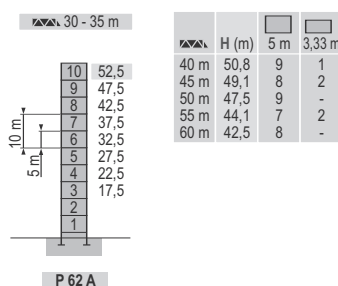
metric mast

MR 295 H16

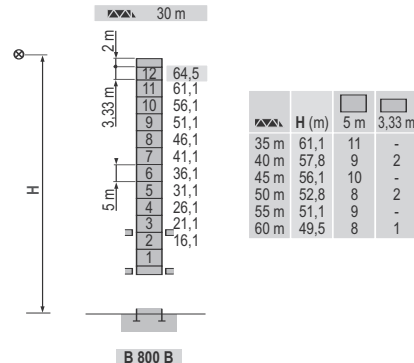
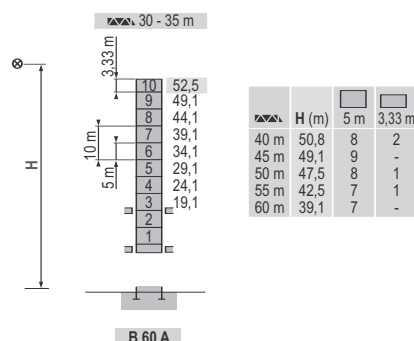
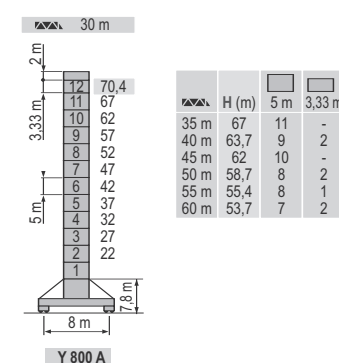
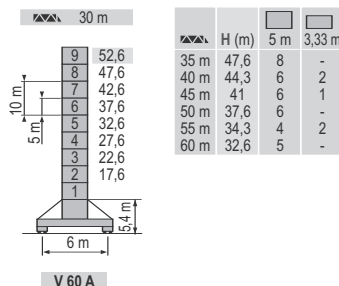
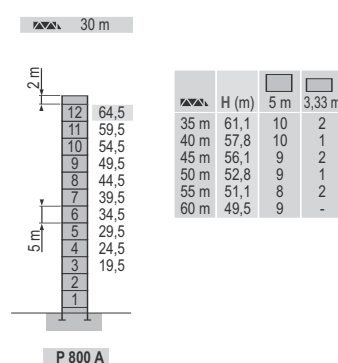
19



K600 Mast



K800 Mast



THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric load charts

MR 295 H16

2-Part Capacity

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Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L00	L55	L50	L45	L40	L35	L30
0.10	8.00	8.00	8.00	8.00	8.00	8.00	8.00
0.14	8.00	8.00	8.00	8.00	8.00	8.00	8.00
12.19	8.00	8.00	8.00	8.00	8.00	8.00	8.00
15.24	8.00	8.00	8.00	8.00	8.00	8.00	8.00
18.29	8.00	8.00	8.00	8.00	8.00	8.00	8.00
21.34	8.00	8.00	8.00	8.00	8.00	8.00	8.00
24.38	8.00	8.00	8.00	8.00	8.00	8.00	8.00
27.43	8.00	8.00	8.00	8.00	8.00	8.00	8.00
30.48	8.00	8.00	8.00	8.00	8.00	8.00	8.00
31.52	8.00	8.00	8.00	8.00	8.00	8.00	8.00
33.53	8.00	8.00	8.00	8.00	8.00	8.00	
35.58	8.00	8.00	8.00	8.00	8.00	8.00	
36.58	8.00	8.00	8.00	8.00	8.00		
39.62	7.05	7.31	7.51	7.61	7.81		
40.66	6.70	7.00	7.13	7.16	7.45		
42.67	6.10	6.40	6.50	6.73			
45.51	5.35	5.60	5.75	5.85			
45.72	5.28	5.50	5.68				
48.77	4.55	4.85	5.15				
50.94	4.23	4.73	4.75				
51.82	3.94	4.30					
54.80	3.33	3.73					
55.17	3.28	3.75					
57.91	3.10						
58.55	2.85						
Min. Radius	5.0	5.0	5.0	4.0	4.0	4.0	3.0

3-Part Capacity

Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L00	L55	L50	L45	L40	L35	L30
0.10		12.00	12.00	12.00	12.00	12.00	12.00
0.14		12.00	12.00	12.00	12.00	12.00	12.00
12.19		12.00	12.00	12.00	12.00	12.00	12.00
15.24		12.00	12.00	12.00	12.00	12.00	12.00
18.29		12.00	12.00	12.00	12.00	12.00	12.00
21.34		12.00	12.00	12.00	12.00	12.00	12.00
24.38		12.00	12.00	12.00	12.00	12.00	12.00
27.43		11.91	12.00	12.00	12.00	12.00	12.00
30.48		10.31	10.40	10.61	10.70	11.01	11.32
31.52		9.99	10.19	10.29	10.40	10.69	11.00
33.53		8.79	8.94	9.09	9.24	9.64	
35.58		7.77	7.90	8.06	8.40	8.55	
36.58		7.53	7.67	7.77	8.17		
39.62		6.45	6.61	7.01	7.05		
40.66		6.10	6.23	6.63	6.25		
42.67		5.50	5.60	6.00			
45.51		5.00	5.20	5.25			
45.72		5.00	5.10				
48.77		4.35	4.37				
50.94		4.03	4.55				
51.82		3.74					
54.80		3.13					
55.17		3.55					
57.91							
58.55							
Min. Radius	5.0	5.0	4.0	4.0	4.0	4.0	3.0

MR 295

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metric load charts

MR 295 H16

4-Part Capacity / 2-Part Capacity

Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L60	L55	L50	L45	L40	L35	L30
8.10		16.00	16.00	16.00	16.00	16.00	16.00
9.14		16.00	16.00	16.00	16.00	16.00	16.00
12.19		16.00	16.00	16.00	16.00	16.00	16.00
15.24		16.00	16.00	16.00	16.00	16.00	16.00
18.29		16.00	16.00	16.00	16.00	16.00	16.00
21.34		16.00	16.00	16.00	16.00	16.00	16.00
24.38		14.09	14.25	14.39	14.55	14.85	15.09
27.43		11.80	11.90	12.00	12.20	12.50	12.70
30.48		9.86	10.01	10.16	10.36	10.61	11.12
31.02		9.59	9.69	9.89	10.09	10.29	10.90
33.53		8.34	8.49	8.64	8.79	9.44	
35.95		7.74	7.91	8.00	8.20	8.35	
36.58		7.53	7.67	7.77	8.00		
39.62		6.45	6.61	7.15	7.25		
40.68		6.10	6.23	6.80	6.85		
42.67		5.30	6.00	6.20			
45.61		5.20	5.35	5.95			
45.72		5.20	5.28				
48.77		4.47	4.55				
50.34		4.13	4.15				
51.82		3.94					
54.86		3.23					
55.17		3.15					
57.91							
60.00							
Min. Radius	5.0	5.0	4.0	4.0	4.0	3.0	

Notes:

1. Bold line indicates the division between 2-part line and 4-part line.
2. Deduct 0.5 t when using 4-part line at a radius greater than the bold line.
3. Higher 2-part capacities can be achieved if the hanging block and the additional hook block are removed.
(see load chart for 2-part capacity)

MR 295 H16 50 Hz - 60 Hz													ch - PS hp	kW			
	75 LVF 40	m/min	0	34	44	76	90	0	17	22	38	45	75	55	637 m		
	Optima	t	8		6	3	2	16		12	6	4					
	100 LVF 40	m/min	0	44	56	94	116	0	22	28	47	58	100	75	1136 m		
	Optima	t	8		6	3	2	16		12	6	4					
	150 LCC 40	m/min	0	70	84	106	140	168	0	35	42	53	70	84	150	110	1092 m
		t	8		6	4	2	1	16		12	8	4	2			
	100 VVF 40	m/min	1 min 40 s										100	75			
	RVF 182 Optima +	tr/min U/min - rpm	0 → 0,8										2 x 12	2 x 9			
		m/min															
CEI 38 			IEC 38														
400 V (+6% -10%) 50 Hz			75 LVF : 190 kVA 100 LVF : 220 kVA 150 LCC : 270 kVA														
480 V (+6% -10%) 60 Hz			75 LVF : 190 kVA 100 LVF : 220 kVA 150 LCC : 300 kVA														

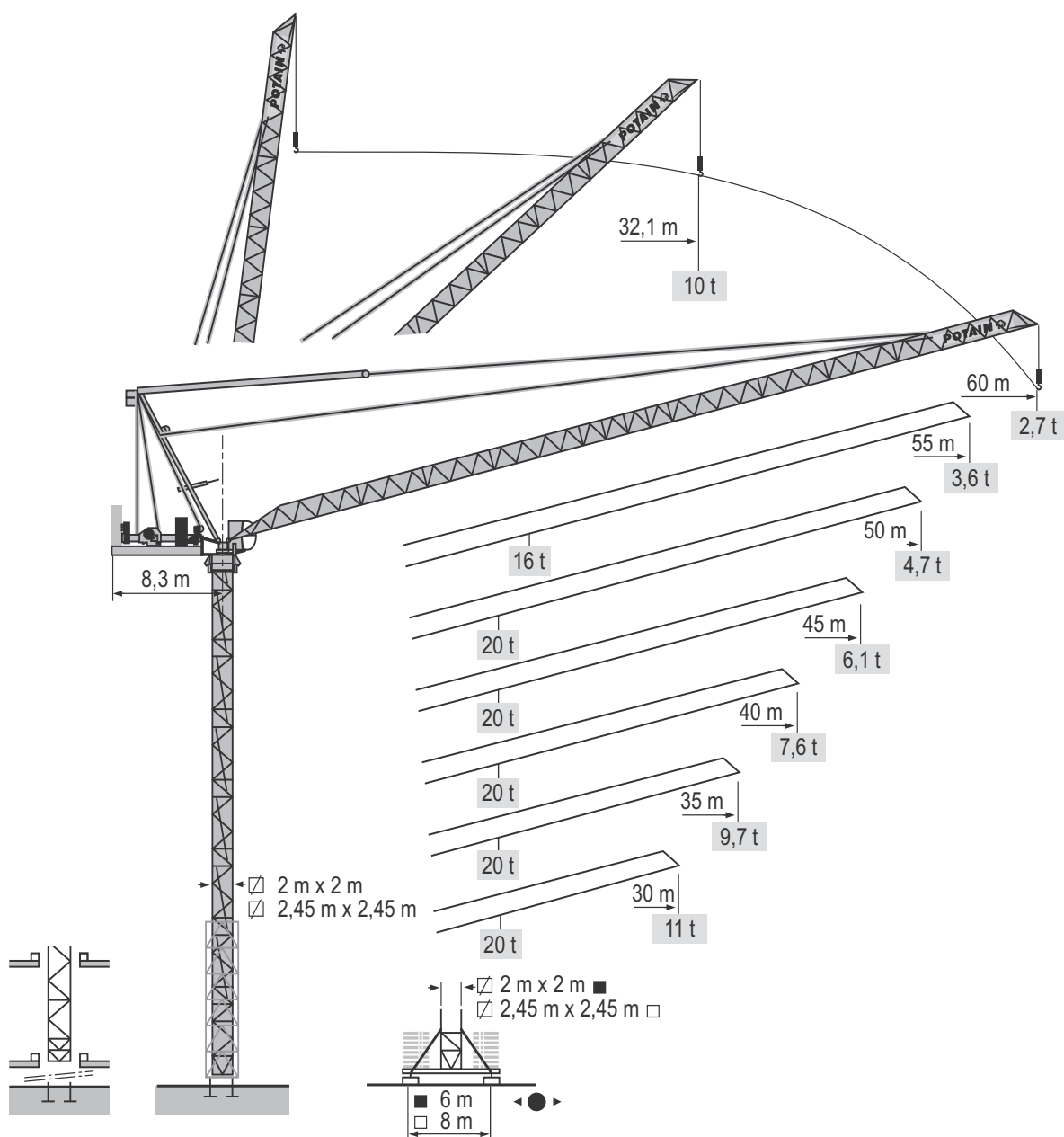
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric dimensions

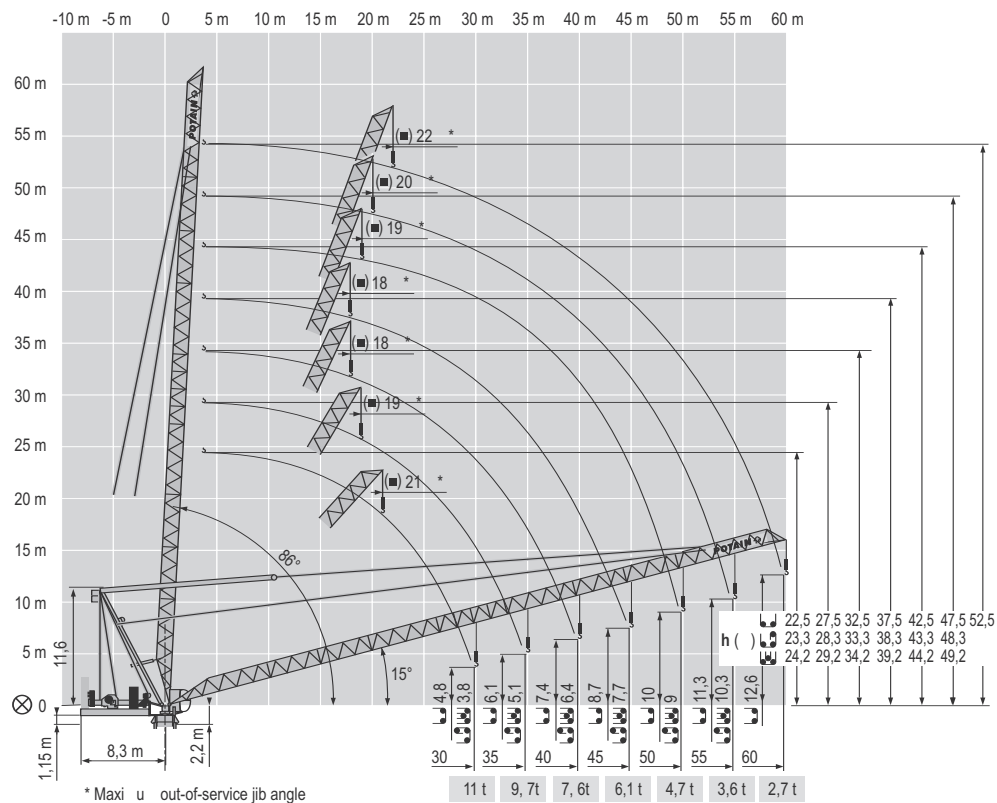
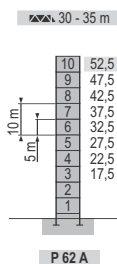
MR 295 H20

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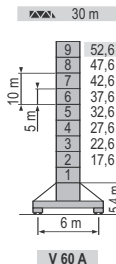


MR 295

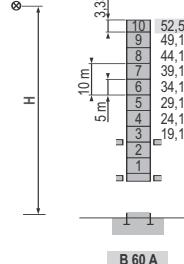
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

**metric mast****MR 295 H20****23****K600 Mast**

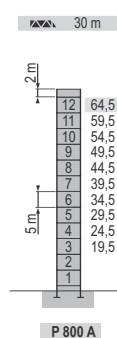
H (m)	5 m	3,33 m
40 m	50,8	9
45 m	49,1	8
50 m	47,5	7
55 m	44,1	6
60 m	42,5	5



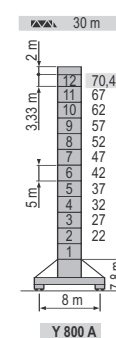
H (m)	5 m	3,33 m
35 m	47,6	8
40 m	44,3	6
45 m	41	5
50 m	37,6	4
55 m	34,3	3
60 m	32,6	2



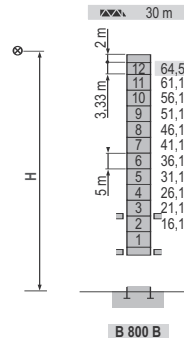
H (m)	5 m	3,33 m
40 m	50,8	8
45 m	49,1	7
50 m	47,5	6
55 m	42,5	5
60 m	39,1	4

K800 Mast

H (m)	5 m	3,33 m
35 m	61,1	10
40 m	57,8	9
45 m	56,1	8
50 m	52,8	7
55 m	51,1	6
60 m	49,5	5



H (m)	5 m	3,33 m
35 m	67	11
40 m	63,7	9
45 m	62	8
50 m	58,7	7
55 m	55,4	6
60 m	53,7	5



H (m)	5 m	3,33 m
35 m	61,1	11
40 m	57,8	9
45 m	56,1	8
50 m	52,8	7
55 m	51,1	6
60 m	49,5	5

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric load charts

MR 295 H20

2-Part Capacity

24

Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L80	L55	L50	L45	L40	L35	L30
8.10	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9.14	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12.19	10.00	10.00	10.00	10.00	10.00	10.00	10.00
15.24	10.00	10.00	10.00	10.00	10.00	10.00	10.00
18.29	10.00	10.00	10.00	10.00	10.00	10.00	10.00
21.34	10.00	10.00	10.00	10.00	10.00	10.00	10.00
24.38	10.00	10.00	10.00	10.00	10.00	10.00	10.00
27.43	10.00	10.00	10.00	10.00	10.00	10.00	10.00
30.48	10.00	10.00	10.00	10.00	10.00	10.00	10.00
31.52	10.00	10.00	10.00	10.00	10.00	10.00	10.00
33.53	9.34	9.44	9.50	9.79	9.89	10.00	
35.55	8.30	8.40	8.50	8.77	8.90	9.25	
36.58	8.07	8.17	8.27	8.47	8.67		
39.62	6.95	7.05	7.21	7.41	7.71		
40.66	6.60	6.70	6.83	7.03	7.25		
42.67	6.00	6.10	6.20	6.40			
45.71	5.25	5.35	5.50	5.65			
46.72	5.18	5.28	5.40				
48.77	4.45	4.57	4.67				
50.84	4.13	4.50	4.65				
51.82	3.84	4.20					
54.86	3.63						
55.17	3.57	3.85					
57.91	3.02						
60.00	2.75						

Min. Radius	5.0	5.0	5.0	4.0	4.0	4.0	3.0
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3-Part Capacity

Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L80	L55	L50	L45	L40	L35	L30
8.10		12.00	15.00	15.00	15.00	15.00	15.00
9.14		12.00	15.00	15.00	15.00	15.00	15.00
12.19		12.00	15.00	15.00	15.00	15.00	15.00
15.24		12.00	15.00	15.00	15.00	15.00	15.00
18.29		12.00	15.00	15.00	15.00	15.00	15.00
21.34		12.00	15.00	15.00	15.00	15.00	15.00
24.38		12.00	14.19	14.35	14.55	14.73	15.00
27.43		11.78	11.90	12.00	12.20	12.50	12.90
30.48		10.00	10.01	10.10	10.20	10.50	11.00
31.52		9.79	9.72	9.89	10.13	10.59	10.85
33.53		8.54	8.40	8.64	9.14	9.34	
35.55		7.50	7.50	8.03	8.10	8.22	
36.58		7.27	7.27	7.77	7.87		
39.62		6.21	6.55	6.61	6.71		
40.66		5.90	6.20	6.30	6.34		
42.67		5.30	5.60	5.70			
45.71		4.80	4.83	4.85			
46.72		4.80	4.78				
48.77		4.15	4.05				
50.84		3.73	3.85				
51.82		3.44					
54.86		2.87					
55.17		2.85					
57.91							
60.00							

Min. Radius	5.0	5.0	4.0	4.0	4.0	3.0
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MR 295



metric load charts

MR 295 H20

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4-Part Capacity / 2-Part Capacity

Hook Radius. (m)	Capacity (t)						
	Jib Configuration						
	L00	L55	L50	L45	L40	L35	L30
0.10		10.00	20.00	20.00	20.00	20.00	20.00
0.14		10.00	20.00	20.00	20.00	20.00	20.00
12.10		10.00	20.00	20.00	20.00	20.00	20.00
15.24		10.00	20.00	20.00	20.00	20.00	20.00
18.20		10.00	19.94	19.97	20.00	20.00	20.00
21.34		10.00	19.83	19.93	17.13	17.40	18.00
24.38		13.85	13.79	13.95	14.15	14.39	14.90
27.43		11.50	11.50	11.00	11.80	12.04	13.00
30.48		9.01	9.95	10.00	10.00	10.00	11.00
31.02		9.29	9.89	9.99	10.00	10.39	10.35
33.53		8.09	8.04	8.84	9.44	9.84	
35.95		7.09	7.09	8.36	8.46	8.60	
38.58		7.37	7.48	8.07	8.17		
39.02		6.31	6.81	6.91	6.95		
40.68		6.00	6.50	6.53	6.60		
42.07		5.40	5.90	5.90			
45.61		5.00	5.10	6.10			
46.72		5.00	5.09				
48.77		4.35	4.27				
50.34		4.00	3.90				
51.82		3.64					
54.80		3.03					
55.17		3.00					
57.91							
60.00							
Min. Radius.	5.0	5.0	4.0	4.0	4.0	3.0	

Notes:

1. Bold line indicates the division between 2-part line and 4-part line.
2. Deduct 0.5 t when using 4-part line at a radius greater than the bold line.
3. Higher 2-part capacities can be achieved if the hanging block and additional hook block are removed.
(see load chart for 2-part capacity)

MR 295 H20 50 Hz - 60 Hz			L					R					ch - PS hp	kW	
	100 LVF 50 Optima	m/min t	0	36	54	86	94	0	18	27	43	47	100	75	1018 m
	150 LCC 50	m/min t	0	58	68	86	114	138	0	29	34	43	57	69	786 m
	100 VVF 40	m/min	1 min 40 s										100	75	
	RVF 182 Optima +	tr/min U/min - rpm	0 0,8										2 x 12	2 x 9	
		m/min													
CEI 38			IEC 38					kVA							
400 V (+6% -10%) 50 Hz								100 LVF : 220 kVA 150 LCC : 270 kVA							
480 V (+6% -10%) 60 Hz								100 LVF : 220 kVA 150 LCC : 300 kVA							

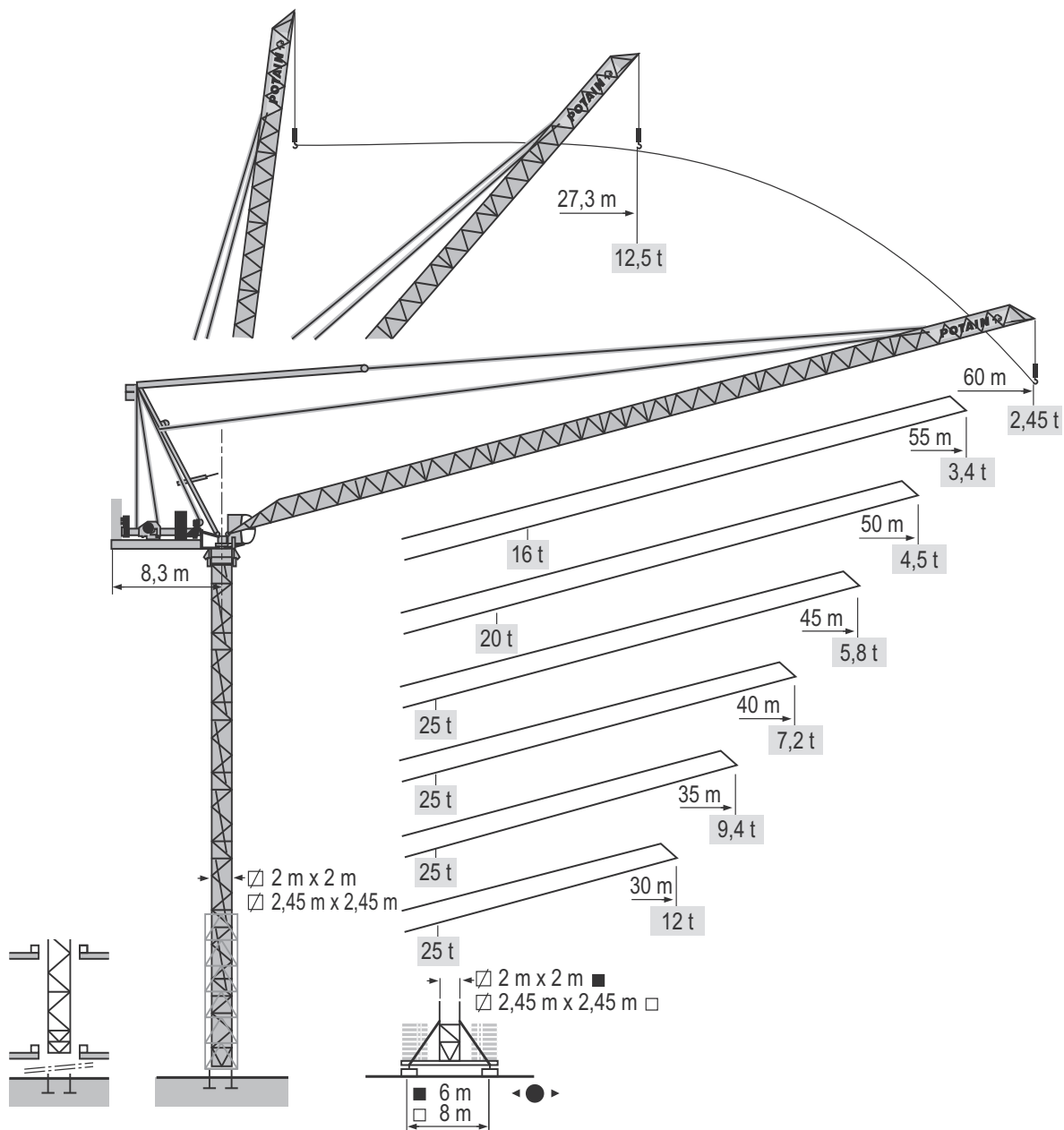
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric dimensions

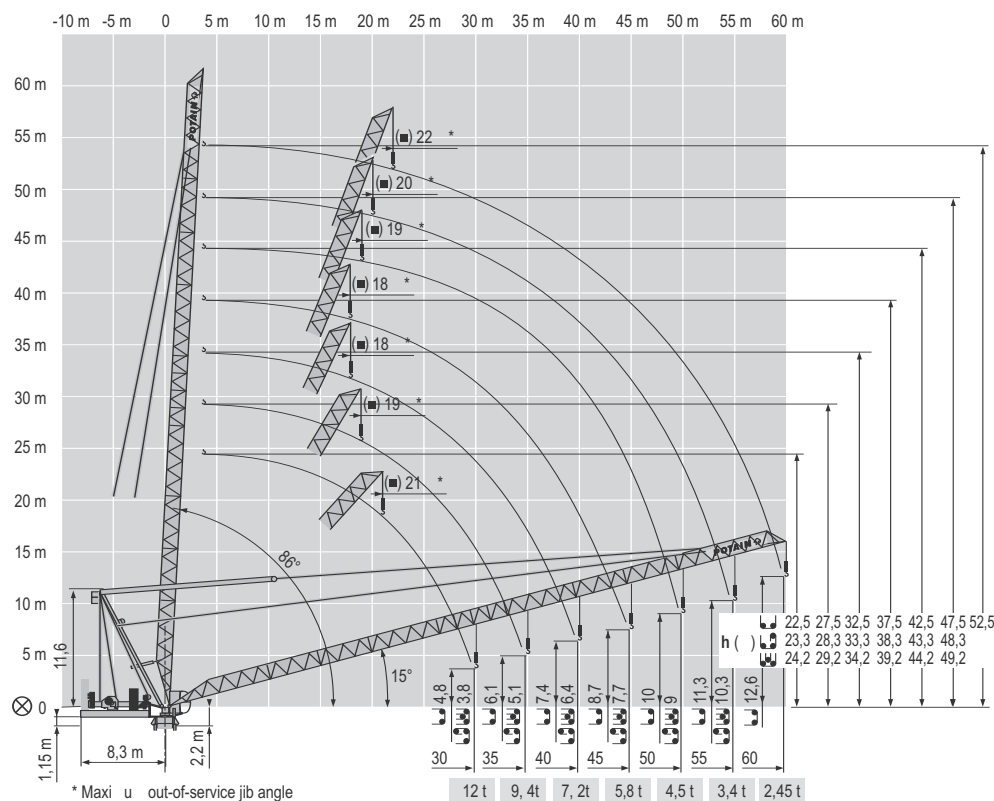
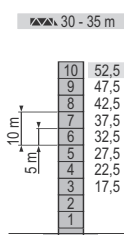
MR 295 H25

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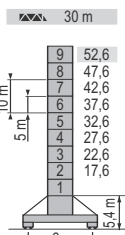


MR 295

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**metric mast****MR 295 H25****27****K600 Mast****P 62 A**

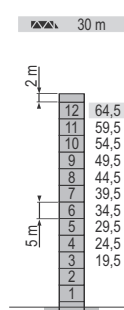
H (m)	5 m	3,33 m
40 m	50,8	9
45 m	49,1	8
50 m	47,5	9
55 m	44,1	7
60 m	42,5	8

**V 60 A**

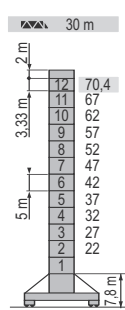
H (m)	5 m	3,33 m
35 m	47,6	8
40 m	44,3	6
45 m	41	6
50 m	37,6	6
55 m	34,3	4
60 m	32,6	5

**B 60 A**

H (m)	5 m	3,33 m
40 m	50,8	8
45 m	49,1	9
50 m	47,5	8
55 m	42,5	7
60 m	39,1	7

K800 Mast**P 800 A**

H (m)	5 m	3,33 m
35 m	61,1	10
40 m	57,8	10
45 m	56,1	9
50 m	52,8	9
55 m	51,1	8
60 m	49,5	9

**Y 800 A**

H (m)	5 m	3,33 m
35 m	67	11
40 m	63,7	9
45 m	62	10
50 m	58,7	8
55 m	55,4	8
60 m	53,7	7

**B 800 B**

H (m)	5 m	3,33 m
35 m	61,1	11
40 m	57,8	9
45 m	56,1	10
50 m	52,8	8
55 m	51,1	9
60 m	49,5	8

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metric load charts

MR 295 H25

2-Part Capacity

28

Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L80	L55	L50	L45	L40	L35	L30
9.10	12.50	12.50	12.50	12.50	12.50	12.50	12.50
9.14	12.50	12.50	12.50	12.50	12.50	12.50	12.50
12.19	12.50	12.50	12.50	12.50	12.50	12.50	12.50
15.24	12.50	12.50	12.50	12.50	12.50	12.50	12.50
18.29	12.50	12.50	12.50	12.50	12.50	12.50	12.50
21.34	12.50	12.50	12.50	12.50	12.50	12.50	12.50
24.38	12.50	12.50	12.50	12.50	12.50	12.50	12.50
27.43	12.28	12.41	12.40	12.50	12.50	12.50	12.50
30.48	10.51	10.70	10.80	11.11	11.21	11.51	11.72
31.52	10.19	10.40	10.50	10.70	10.80	11.18	11.40
33.53	8.99	9.24	9.34	9.54	9.80	10.14	
35.55	7.90	8.17	8.30	8.50	8.80	9.00	
36.58	7.07	7.93	8.07	8.27	8.57		
39.62	6.01	6.81	6.95	7.11	7.35		
40.66	6.30	6.50	6.60	7.00	7.20		
42.67	5.70	5.90	6.07	6.50			
45.71	4.95	5.25	5.60	5.85			
45.72	4.88	5.23	5.50				
48.77	4.32	4.75	4.77				
50.84	4.23	4.40	4.40				
51.82	3.94	4.04					
54.86	3.33	3.43					
55.17	3.27	3.40					
57.91	2.82						
60.66	2.45						
Min. Radius	5.0	5.0	5.0	4.0	4.0	4.0	3.0

3-Part Capacity

Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L80	L55	L50	L45	L40	L35	L30
9.10		12.00	15.00	18.75	18.75	18.75	18.75
9.14		12.00	15.00	18.75	18.75	18.75	18.75
12.19		12.00	15.00	18.75	18.75	18.75	18.75
15.24		12.00	15.00	18.75	18.75	18.75	18.75
18.29		12.00	15.00	18.75	18.75	18.75	18.75
21.34		12.00	15.00	19.93	17.13	17.43	17.83
24.38		12.00	14.05	13.99	14.15	14.39	14.90
27.43		11.74	11.70	11.70	11.80	12.40	12.64
30.48		9.91	9.80	10.20	10.30	10.51	10.60
31.52		9.59	9.50	9.90	10.00	10.19	10.25
33.53		8.39	8.34	8.74	8.84	8.90	
35.55		7.30	7.30	7.70	7.80	7.91	
36.58		7.07	7.13	7.47	7.57		
39.62		6.01	6.41	6.35	6.41		
40.66		5.70	6.10	6.00	6.20		
42.67		5.10	5.50	5.40			
45.71		4.60	4.70	4.80			
45.72		4.60	4.60				
48.77		3.95	3.87				
50.84		3.63	3.55				
51.82		3.34					
54.86		2.73					
55.17		2.65					
57.91							
60.66							
Min. Radius	5.0	5.0	4.0	4.0	4.0	4.0	3.0

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

MR 295



metric load charts

MR 295 H25

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4-Part Capacity / 2-Part Capacity

Hook Radius (m)	Capacity (t)						
	Jib Configuration						
	L60	L55	L50	L45	L40	L35	L30
6.10		16.00	20.00	25.00	25.00	25.00	25.00
9.14		16.00	20.00	25.00	25.00	25.00	25.00
12.19		16.00	20.00	25.00	25.00	25.00	25.00
15.24		16.00	20.00	24.88	24.80	24.85	25.00
18.29		16.00	19.88	20.47	20.57	20.87	21.17
21.34		15.97	19.53	16.43	16.63	16.83	17.13
24.38		13.39	13.55	13.49	13.85	13.82	14.69
27.43		11.24	11.20	11.80	12.20	12.46	12.90
30.48		9.41	9.86	10.61	10.66	10.86	10.92
31.02		9.09	9.69	10.29	10.39	10.59	10.91
33.53		8.00	8.44	9.04	9.14	9.29	
35.88		7.46	7.46	8.06	8.07	8.20	
36.58		7.17	7.28	7.77	7.77		
39.62		6.11	6.65	6.61	6.85		
40.68		5.80	6.30	6.30	6.90		
42.67		5.20	5.70	5.70			
45.61		4.80	4.95	4.95			
45.72		4.80	4.88				
48.77		4.17	4.15				
50.34		3.83	3.75				
51.82		3.54					
54.86		2.93					
55.17		2.85					
57.91							
60.00							
Min. Radius	5.0	5.0	4.0	4.0	4.0	3.0	

Notes:

1. Bold line indicates the division between 2-part line and 4-part line.
2. Deduct 0.6t when using 4-part line at a radius greater than the bold line.
3. Higher 2-part capacities can be achieved if the hanging block and additional hook block are removed.
(see load chart for 2-part capacity)

MR 295 H25 50 Hz - 60 Hz															ch - PS hp	kW	
	150 LCC 63	m/min t	0	46	56	70	92	110	0	23	28	35	46	55	150	110	461 m
	100 VVF 40	m/min	1 min 40 s												100	75	
	RVF 182 Optima +	tr/min U/min - rpm	0 0,8												2 x 12	2 x 9	
		m/min															
CEI 38			IEC 38														
400 V (+6% -10%) 50 Hz						150 LCC : 270 kVA											
480 V (+6% -10%) 60 Hz						150 LCC : 300 kVA											

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symbols glossary

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Anchor
Flange



Counter
Jib



Jib



Travelling



Arcuate member



Caisson Shaped
Base



Jib
Extension



Travelling
Trolley



Ball Joint



Crane Truck
Travelling
Equipment



Hoist



Travelling Trolley
& Load Diagram



Cab



Electrical
Requirement



Reeling
2-Part



Trolley



Caisson



Hoist



Reeling
4-Part



Climbing
Equipment



Hoisting
Hook



Straight Track
Travelling
Equipment



Controls



Hydraulic
Equipment



Trolley



notes

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MR 295



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Portugal

Baltar

Fânzeres

Slovakia

Saris

U.S.A.

Manitowoc

Port Washington

Shady Grove

Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.

