

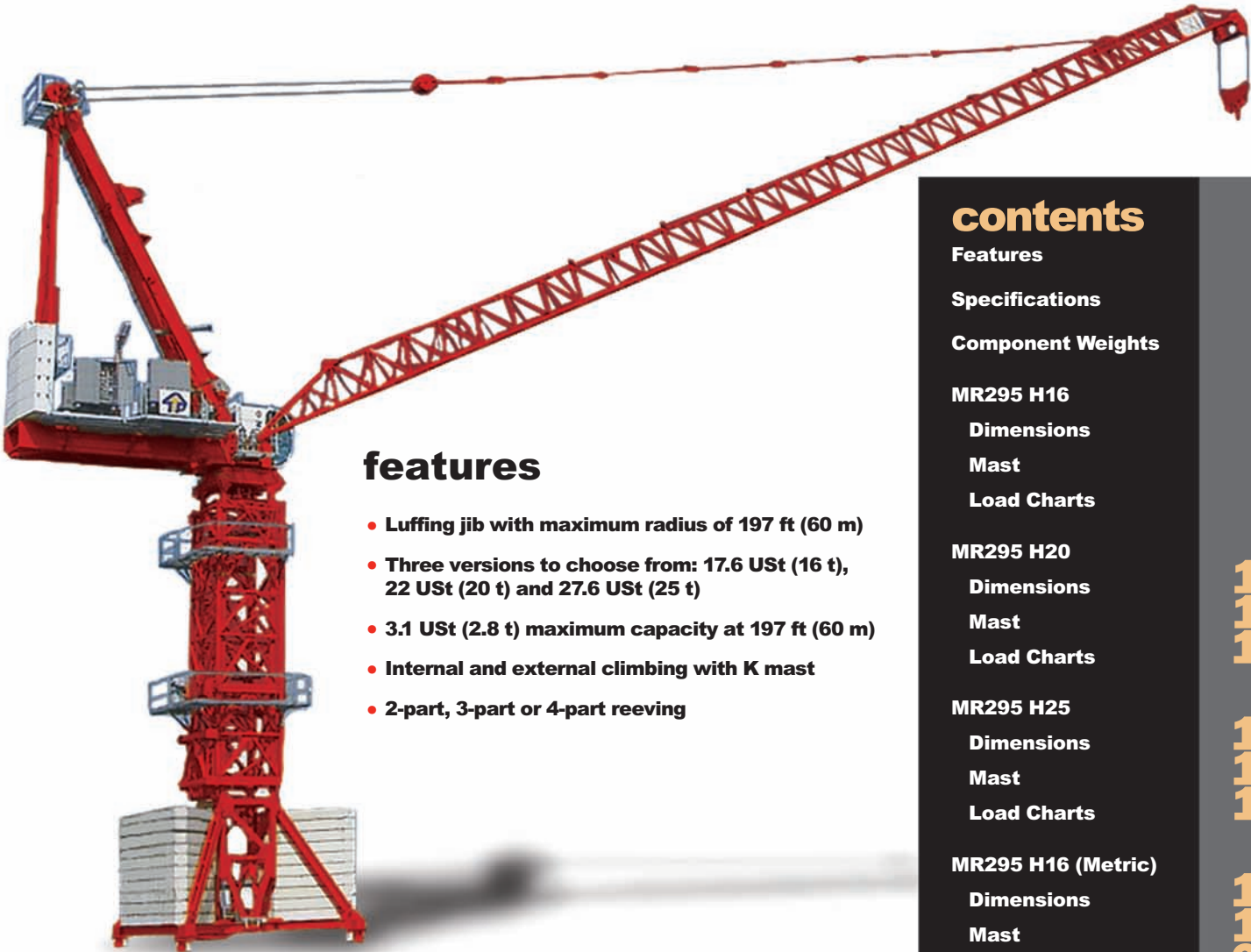


POTAIN

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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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

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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*





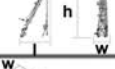


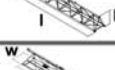






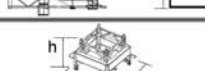
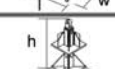


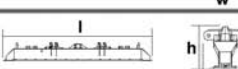
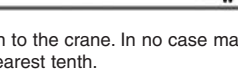
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component weights

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| 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) |

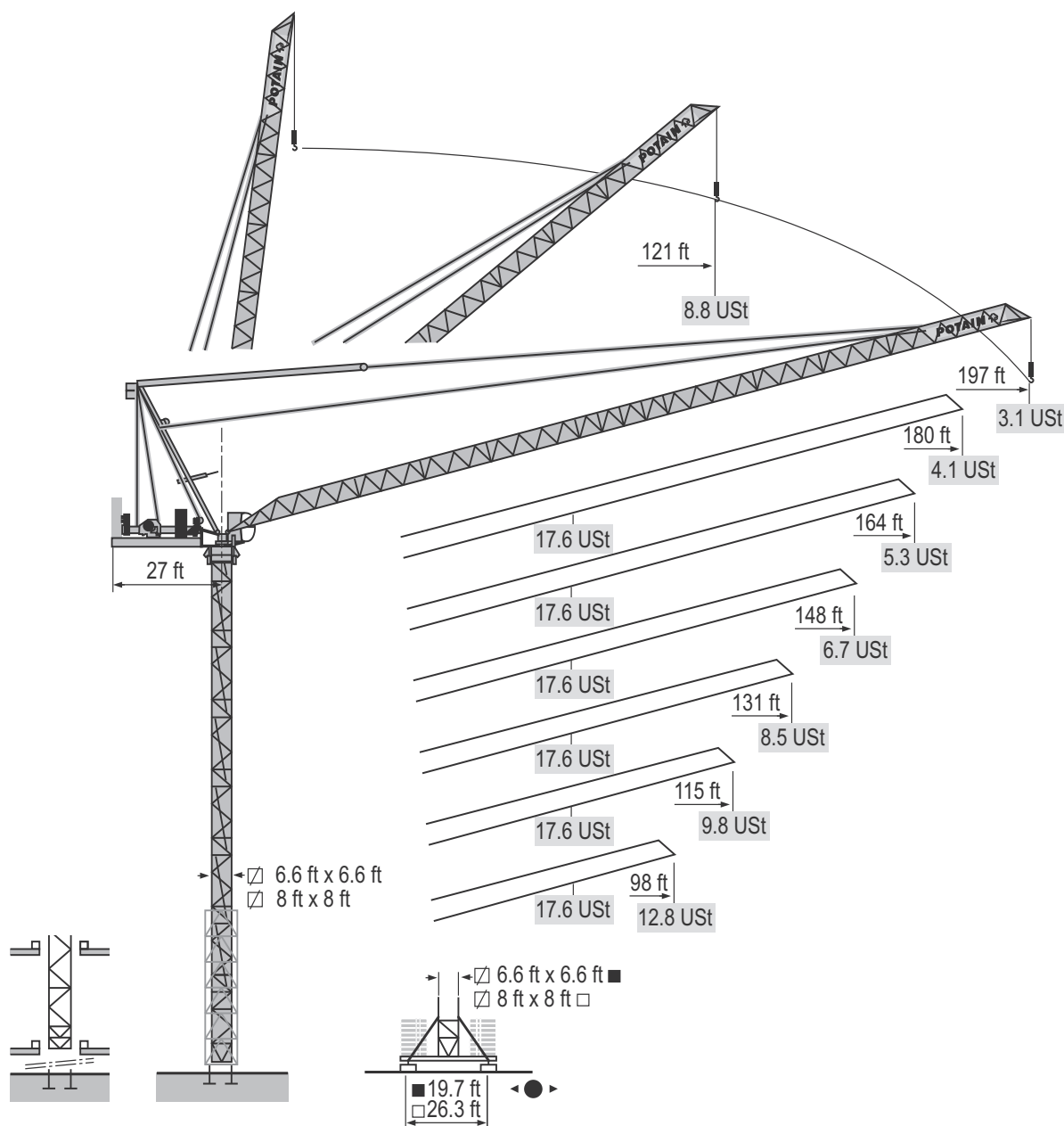
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dimensions

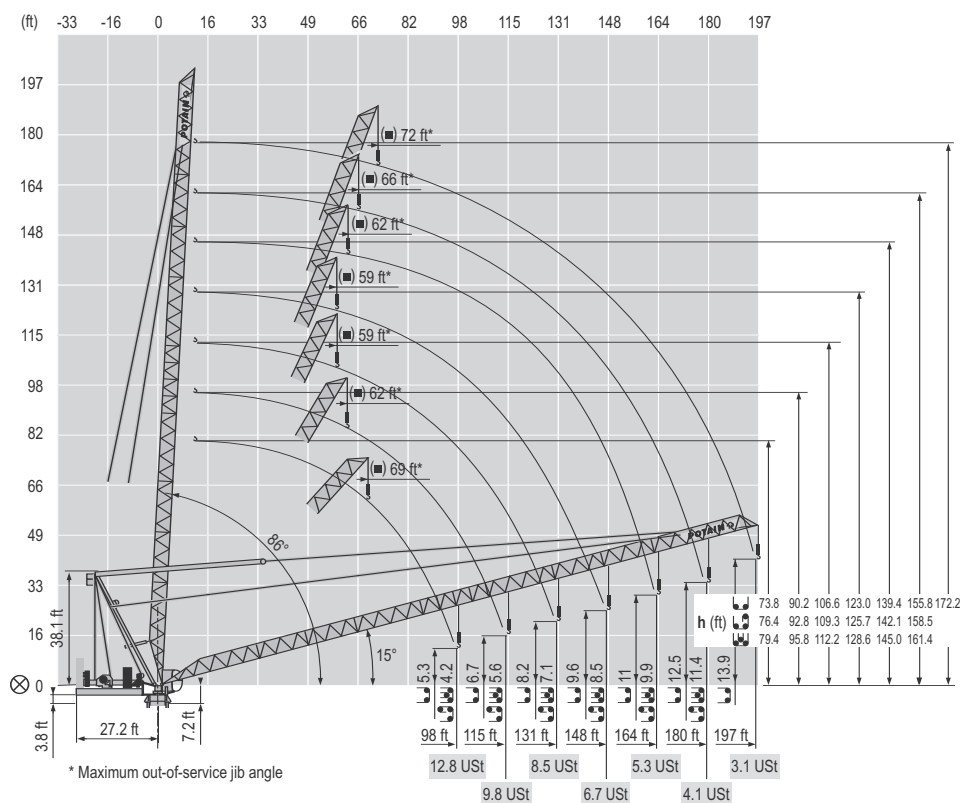
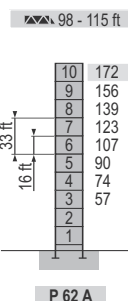
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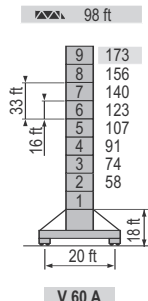


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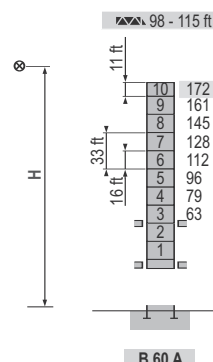
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

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

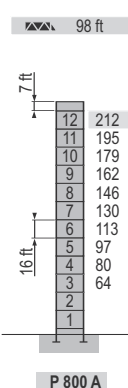
| H (ft) | 16 ft | 11 ft |
|--------|-------|-------|
| 131 ft | 167 | 9 |
| 148 ft | 161 | 8 |
| 164 ft | 156 | 9 |
| 180 ft | 145 | 7 |
| 197 ft | 139 | 8 |



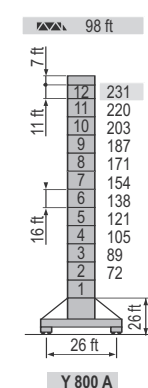
| H (ft) | 16 ft | 11 ft |
|--------|-------|-------|
| 115 ft | 156 | 8 |
| 131 ft | 145 | 6 |
| 148 ft | 135 | 6 |
| 164 ft | 123 | 6 |
| 180 ft | 113 | 4 |
| 197 ft | 107 | 5 |



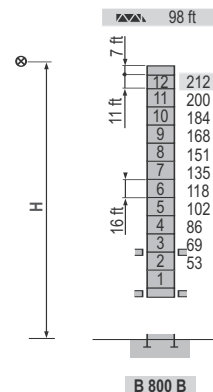
| H (ft) | 16 ft | 11 ft |
|--------|-------|-------|
| 131 ft | 167 | 8 |
| 148 ft | 161 | - |
| 164 ft | 156 | 8 |
| 180 ft | 139 | 7 |
| 197 ft | 128 | 7 |

K800 Mast

| 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 |

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.

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load charts

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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 | 22,683 | 23,124 | 23,505 | 24,251 | 24,251 |
| 110.0 | 19,376 | 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 | 13,720 | 14,611 | 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.

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load charts

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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 | 26,450 | 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 | | |
| 133.5 | | 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 | | |  | | | | |  | | | | | hp | kW |  | | |
|--|---|--------|---|-----|-----|-----|-----|---|----|------|-----|-----|---|---|---|-----|----------|
|  | 75 LVF 40 | ft/min | 0 | 112 | 144 | 249 | 295 | 0 | 56 | 72 | 125 | 148 | 75 | 55 | 2,090 ft | | |
| | Optima | USt | 8.8 | | 6.6 | 3.3 | 2.2 | 17.6 | | 13.2 | 6.6 | 4.4 | | | | | |
| | 100 LVF 40 | ft/min | 0 | 144 | 184 | 308 | 381 | 0 | 72 | 92 | 154 | 190 | 100 | 75 | 3,727 ft | | |
| | Optima | USt | 8.8 | | 6.6 | 3.3 | 2.2 | 17.6 | | 13.2 | 6.6 | 4.4 | | | | | |
| | 150 LCC 40 | ft/min | 0 | 230 | 276 | 348 | 459 | 551 | 0 | 115 | 138 | 174 | 230 | 276 | 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 | | | | |
|  | 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 | | | 75 LVF : 190 kVA 100 LVF : 220 kVA 150 LCC : 300 kVA | | | | | | | | | | | | | | |

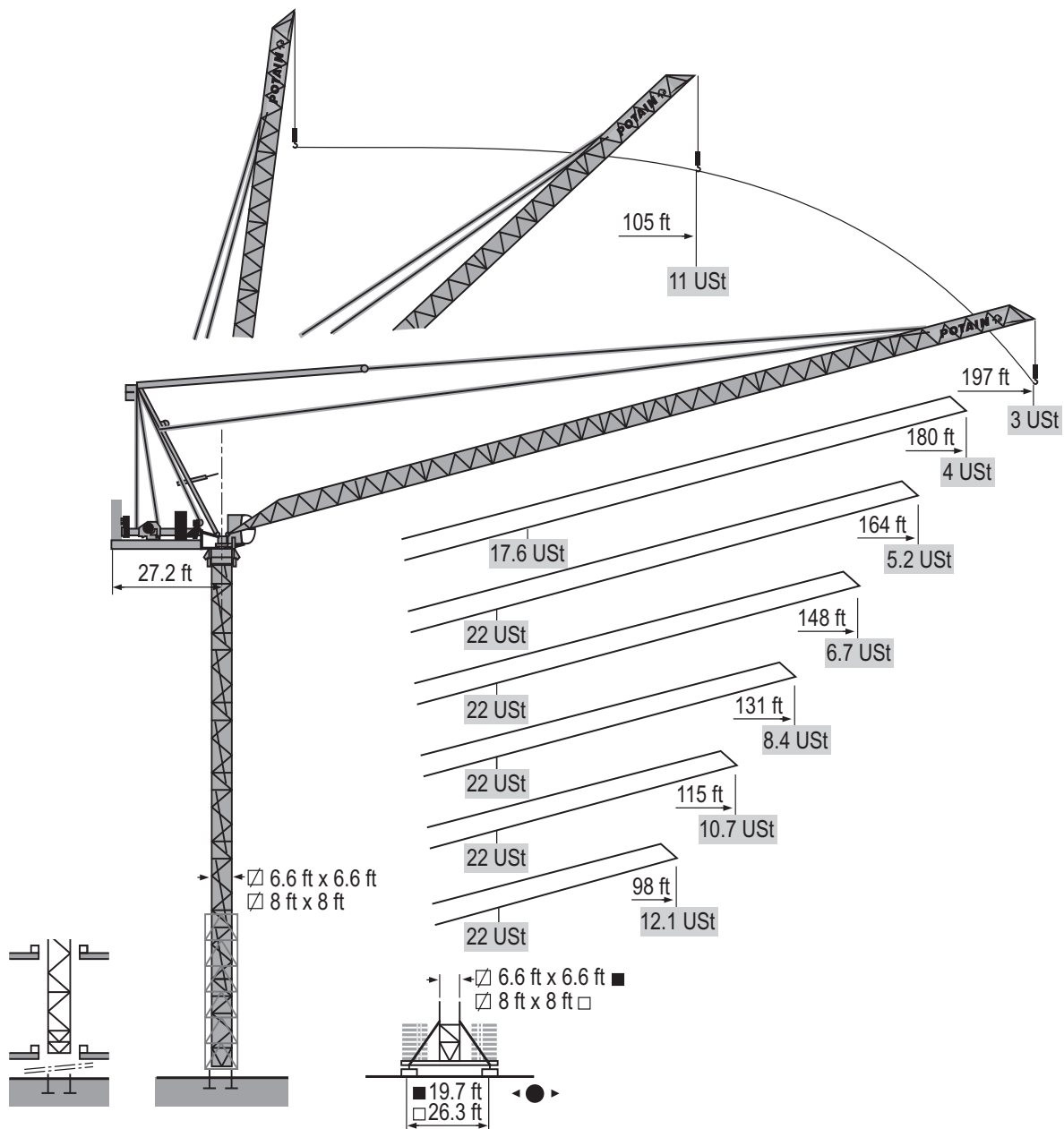
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



dimensions

MR 295 H20

10



MR 295

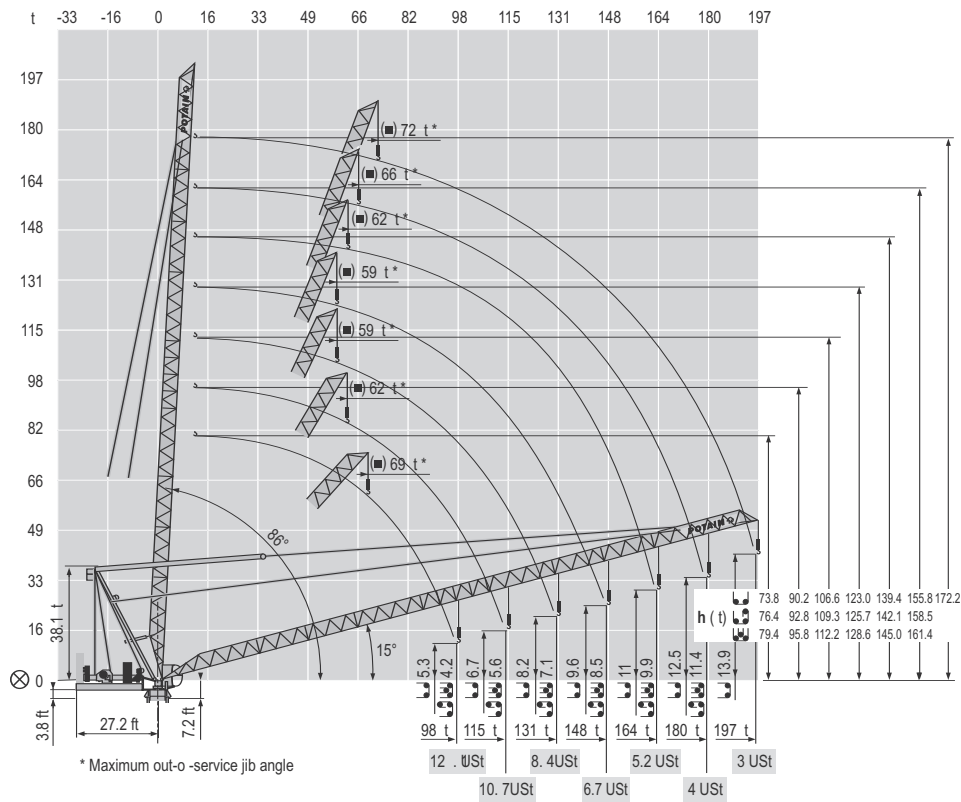
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



mast

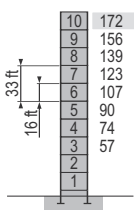
MR 295 H20

11



K600 Mast

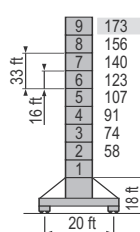
98 - 115 ft



P 62 A

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

98 ft

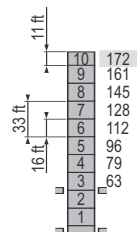


V 60 A

| 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

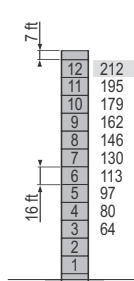


B 60 A

| 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

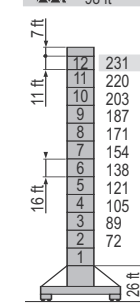
98 ft



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

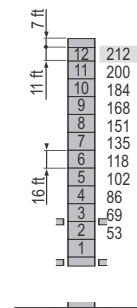


Y 800 A

| 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 |

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.



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 | | |
| 133.5 | 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 |
|--------------|------|------|------|------|------|------|-----|
|--------------|------|------|------|------|------|------|-----|

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 | 25,979 | 28,230 | 28,460 | 29,891 | 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 | 23,518 | |
| 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 | | | |
| 133.5 | 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 | |
|--------------|------|------|------|------|------|-----|--|
|--------------|------|------|------|------|------|-----|--|

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 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 | 38,683 |
| 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 | 18,089 | 18,482 | 20,803 | 21,244 | |
| 117.8 | - | 16,886 | 16,886 | 18,429 | 18,649 | 18,799 | |
| 120.0 | - | 16,247 | 16,501 | 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 |
|-------------|------|------|------|------|------|------|-----|
|-------------|------|------|------|------|------|------|-----|

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 | | | | | | | | | | | | | | |

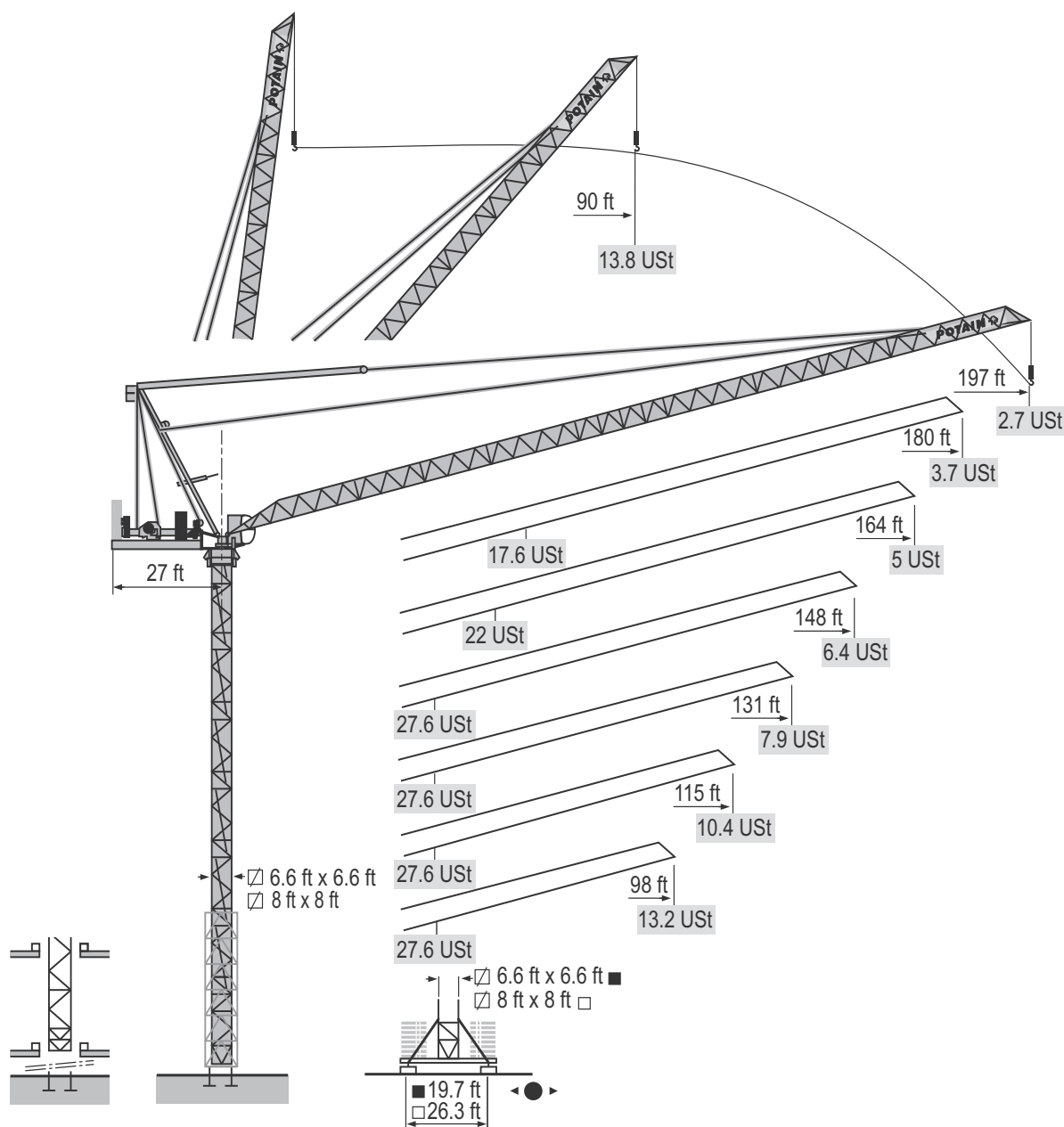
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



dimensions

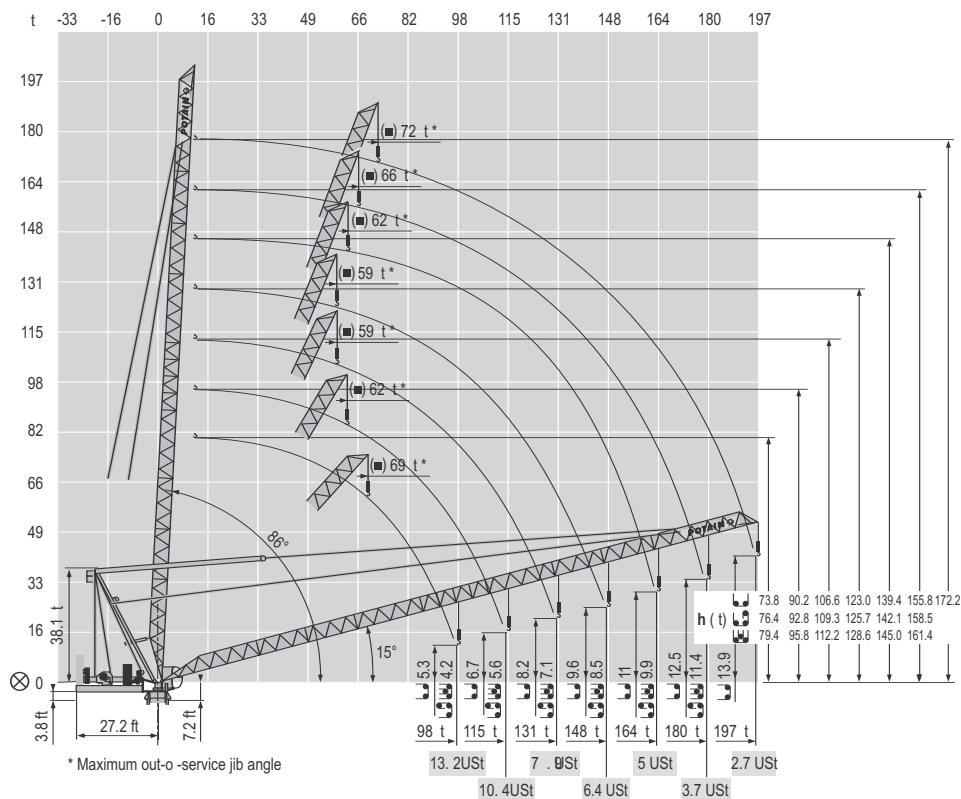
MR 295 H25

14

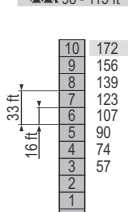


MR 295

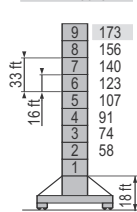
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

**mast****MR 295 H25****15****K600 Mast**

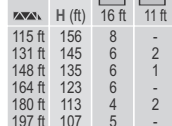
98 - 115 ft

**P 62 A**

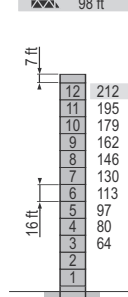
98 ft

**V 60 A**

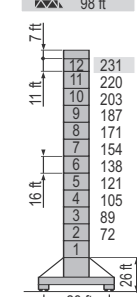
98 ft

**B 60 A****K800 Mast**

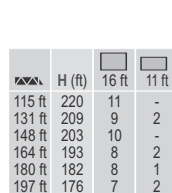
98 ft

**P 800 A**

98 ft

**Y 800 A**

98 ft

**B 800 B**

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load charts

MR 295 H25

16

3- Part Capacity

| 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 | 25,133 |
| 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 | 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 | | 11,481 | 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 | | | | | |
| 181.0 | | 6,255 | | | | | |
| 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 1,322 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 | | 1,512 ft |
| | | 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 | | | | | | | | | |

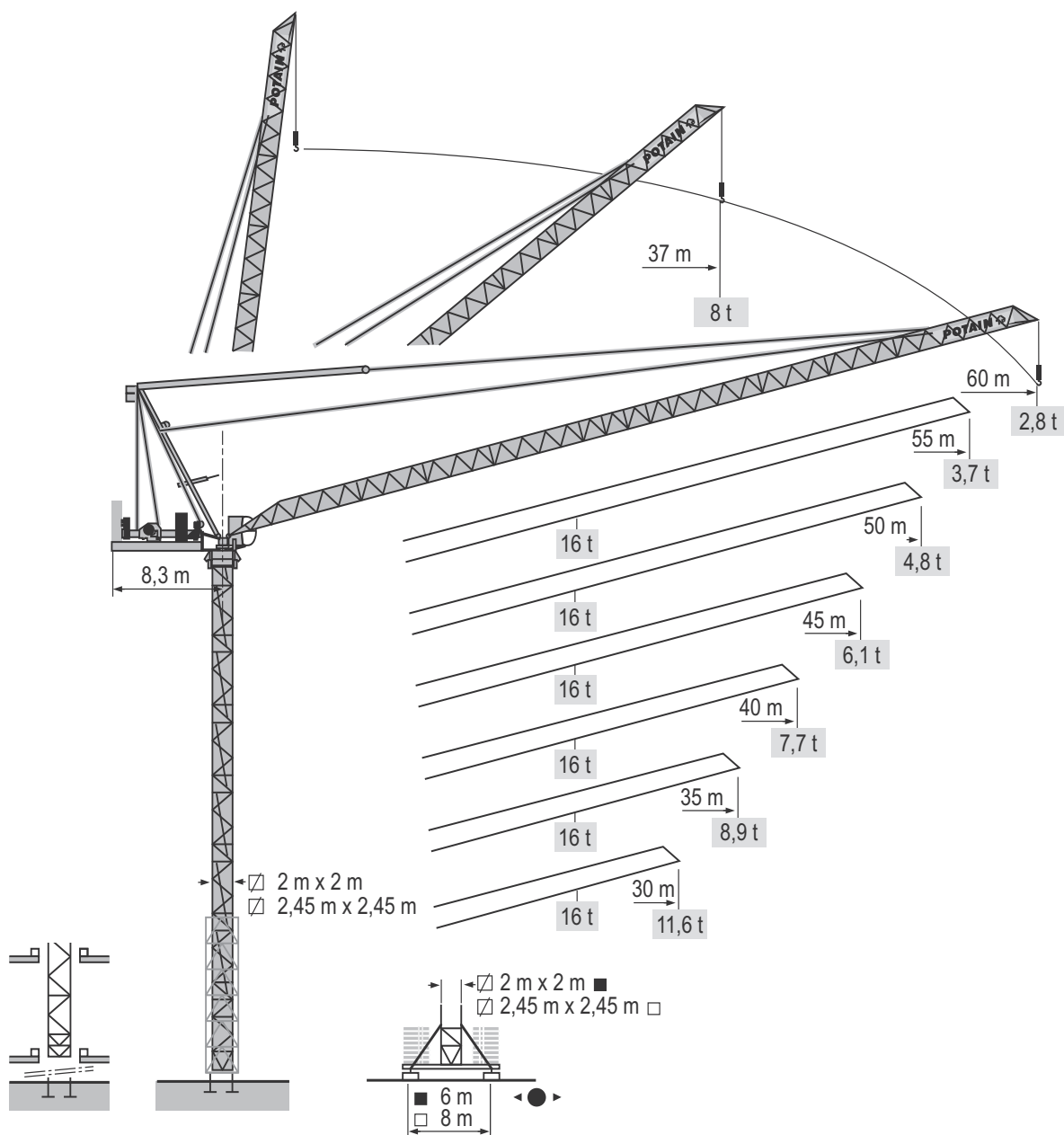
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric dimensions

MR 295 H16

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MR 295

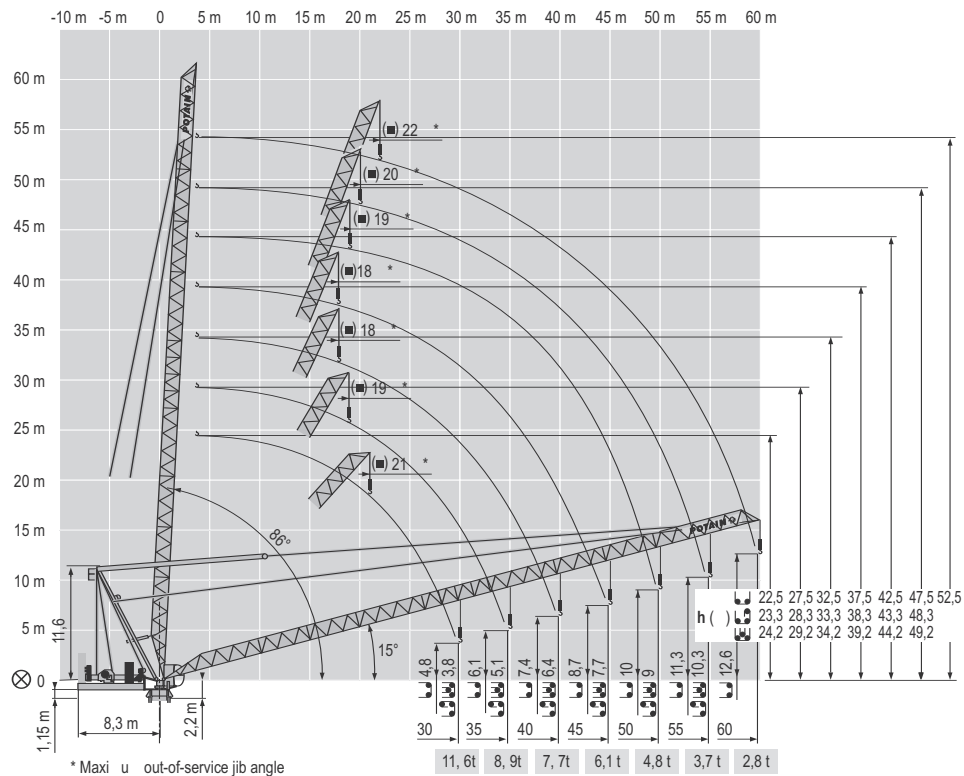
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric mast

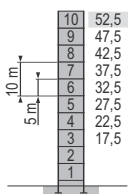
MR 295 H16

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K600 Mast

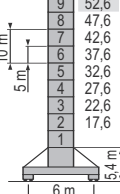
30 - 35 m



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 |

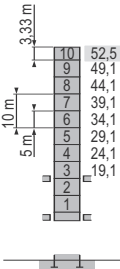
30 m



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 |

30 - 35 m

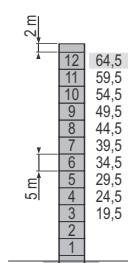


B 60 A

| 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

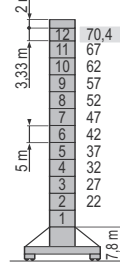
30 m



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 |

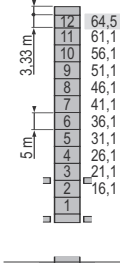
30 m



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 |

30 m



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 H16

2-Part Capacity

20

| 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 | | | | |
| 50.84 | 4.23 | 4.73 | 4.75 | | | | |
| 51.82 | 3.94 | 4.30 | | | | | |
| 54.86 | 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 | 10.76 | 11.01 | 11.32 |
| 31.52 | | 9.99 | 10.19 | 10.29 | 10.40 | 10.69 | 11.05 |
| 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 | 5.16 | | | | |
| 48.77 | | 4.35 | 4.37 | | | | |
| 50.84 | | 4.03 | 4.55 | | | | |
| 51.82 | | 3.74 | | | | | |
| 54.86 | | 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 |

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MR 295



metric load charts

MR 295 H16














21

4-Part Capacity / 2-Part Capacity

| Hook Radius (m) | Capacity (t) | | | | | | |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | Jib Configuration | | | | | | |
| | L80 | L55 | L30 | 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 | | | | | | | | | | | | | | |

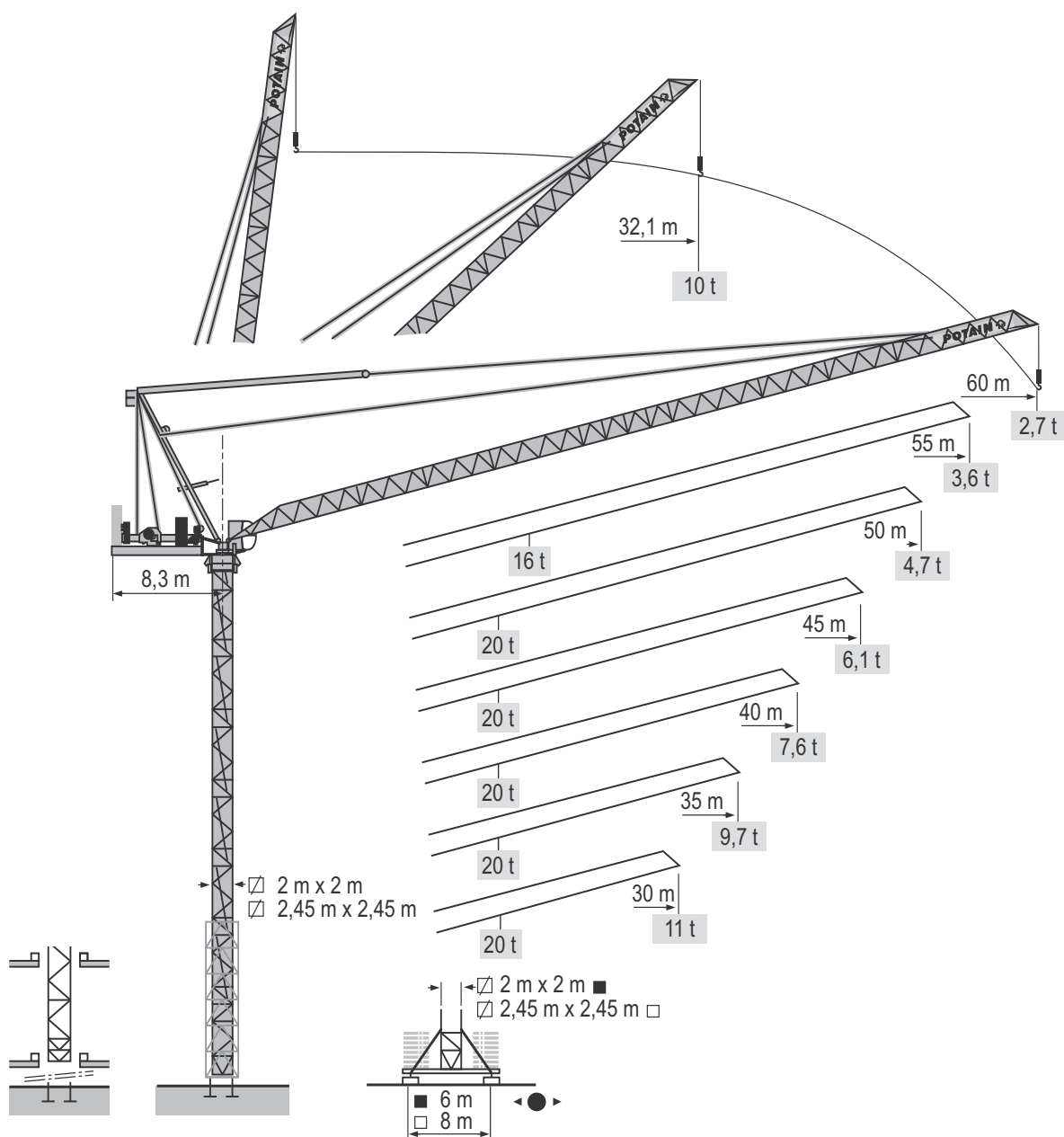
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric dimensions

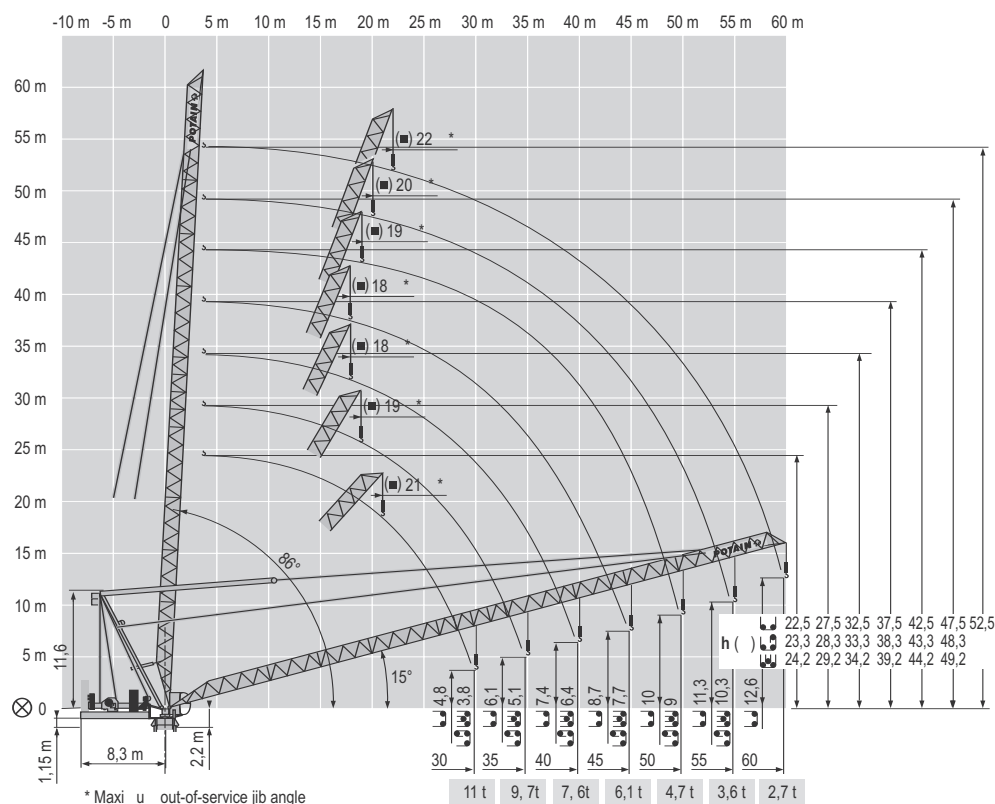
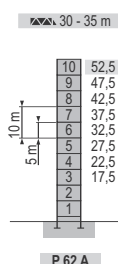
MR 295 H20

22

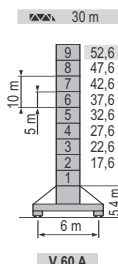


MR 295

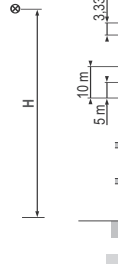
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

**metric mast****MR 295 H20****23****K600 Mast****P 62 A**

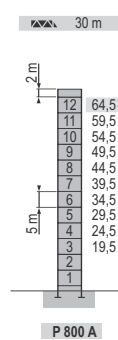
| H (m) | 5 m | 3,33 m |
|-------|------|--------|
| 40 m | 50,8 | 9 |
| 45 m | 49,1 | 8 |
| 50 m | 47,5 | 7 |
| 55 m | 44,1 | 6 |
| 60 m | 42,5 | 5 |

**V 60 A**

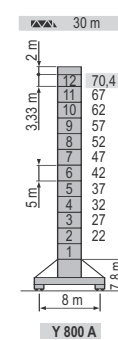
| H (m) | 5 m | 3,33 m |
|-------|------|--------|
| 35 m | 47,6 | 8 |
| 40 m | 44,3 | 6 |
| 45 m | 41 | 5 |
| 50 m | 37,6 | 4 |
| 55 m | 34,3 | 3 |
| 60 m | 32,6 | 2 |

**B 60 A**

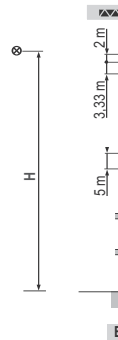
| H (m) | 5 m | 3,33 m |
|-------|------|--------|
| 40 m | 50,8 | 8 |
| 45 m | 49,1 | 7 |
| 50 m | 47,5 | 6 |
| 55 m | 42,5 | 5 |
| 60 m | 39,1 | 4 |

K800 Mast**P 800 A**

| 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 |

**Y 800 A**

| 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 |

**B 800 B**

| 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 |

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metric load charts

MR 295 H20

2-Part Capacity

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| 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 |
| 31.82 | 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 | |
| 35.85 | 8.30 | 8.40 | 8.50 | 8.77 | 8.90 | 9.25 | |
| 38.58 | 8.07 | 8.17 | 8.27 | 8.47 | 8.67 | | |
| 39.92 | 8.95 | 7.05 | 7.21 | 7.41 | 7.71 | | |
| 40.88 | 8.00 | 8.70 | 8.83 | 7.03 | 7.88 | | |
| 42.87 | 8.00 | 8.10 | 8.20 | 8.40 | | | |
| 45.51 | 5.25 | 5.35 | 5.50 | 5.88 | | | |
| 45.72 | 5.18 | 5.28 | 5.40 | | | | |
| 48.77 | 4.45 | 4.57 | 4.97 | | | | |
| 50.84 | 4.13 | 4.50 | 4.88 | | | | |
| 51.82 | 3.84 | 4.20 | | | | | |
| 54.88 | 3.83 | | | | | | |
| 55.17 | 3.57 | 3.88 | | | | | |
| 57.91 | 3.02 | | | | | | |
| 60.00 | 2.78 | | | | | | |

| | | | | | | | |
|-------------|-----|-----|-----|-----|-----|-----|-----|
| 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 |
| 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 | 10.18 | 10.28 | 10.50 | 11.00 |
| 31.82 | | 9.79 | 9.72 | 9.89 | 10.13 | 10.59 | 10.88 |
| 33.53 | | 8.54 | 8.40 | 8.64 | 9.14 | 9.34 | |
| 35.85 | | 7.50 | 7.50 | 8.03 | 8.18 | 8.22 | |
| 38.58 | | 7.27 | 7.27 | 7.77 | 7.87 | | |
| 39.92 | | 8.21 | 8.55 | 8.81 | 8.71 | | |
| 40.88 | | 5.90 | 6.20 | 6.30 | 6.34 | | |
| 42.87 | | 5.30 | 5.80 | 5.70 | | | |
| 45.51 | | 4.80 | 4.83 | 4.88 | | | |
| 45.72 | | 4.80 | 4.78 | | | | |
| 48.77 | | 4.15 | 4.05 | | | | |
| 50.84 | | 3.73 | 3.88 | | | | |
| 51.82 | | 3.44 | | | | | |
| 54.88 | | 2.87 | | | | | |
| 55.17 | | 2.88 | | | | | |
| 57.91 | | | | | | | |
| 60.00 | | | | | | | |

| | | | | | | |
|-------------|-----|-----|-----|-----|-----|-----|
| Min. Radius | 5.0 | 5.0 | 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 H20













25

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 | | |  | | | | |  | | | | | ch - PS hp | kW |  | | |
|--|---|-----------------------|---|----|----|----|-----|--|----|----|----|----|---|---|---|--|--|
|  | 100 LVF 50 Optima | m/min t | 0 | 36 | 54 | 86 | 94 | 0 | 18 | 27 | 43 | 47 | 100 | 75 | 1018 | | |
| | 150 LCC 50 | m/min t | 0 | 58 | 68 | 86 | 114 | 138 | 0 | 29 | 34 | 43 | 57 | 69 | 786 | | |
|  | 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 | | | | | | | | | |

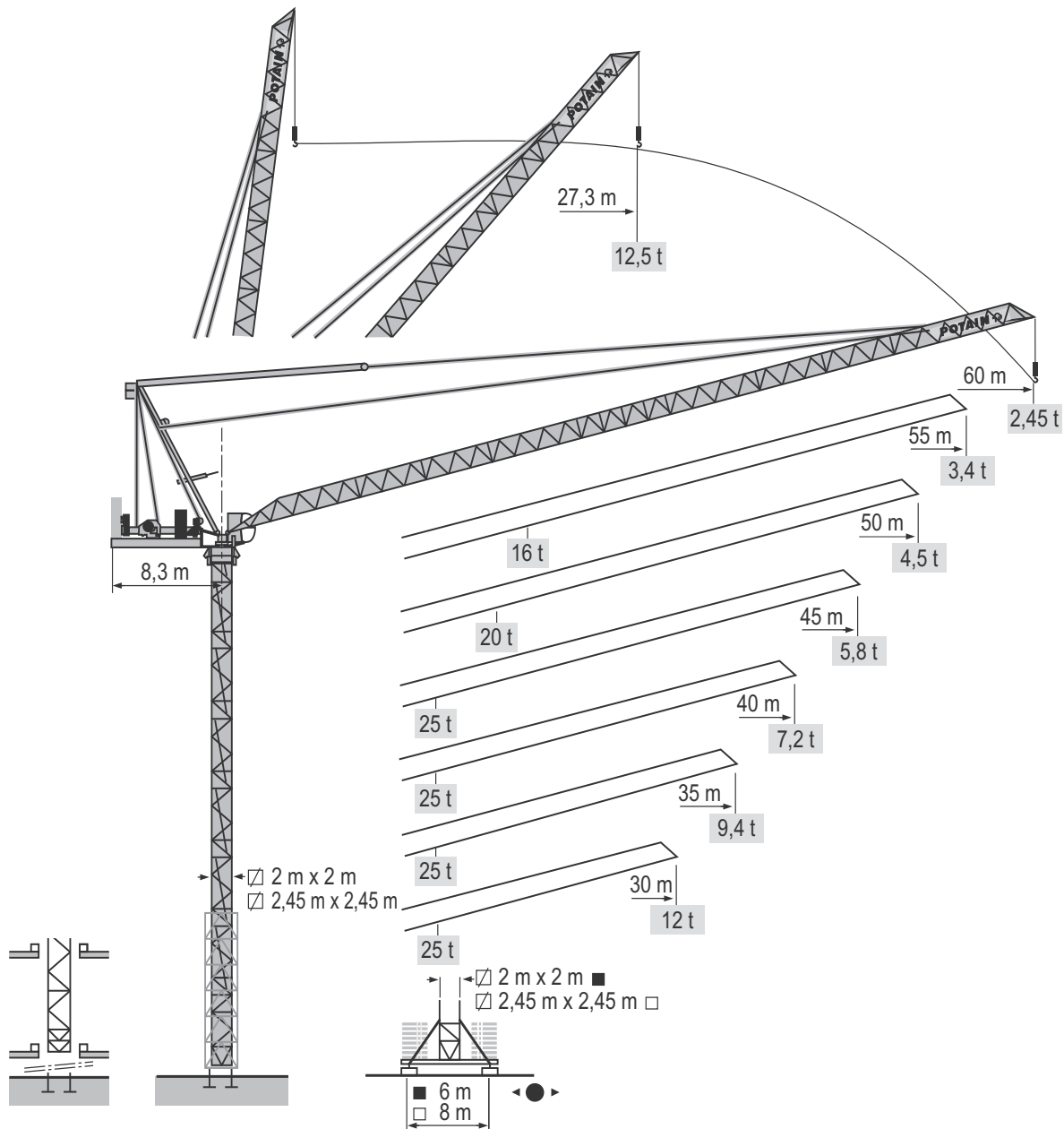
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



metric dimensions

MR 295 H25

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MR 295

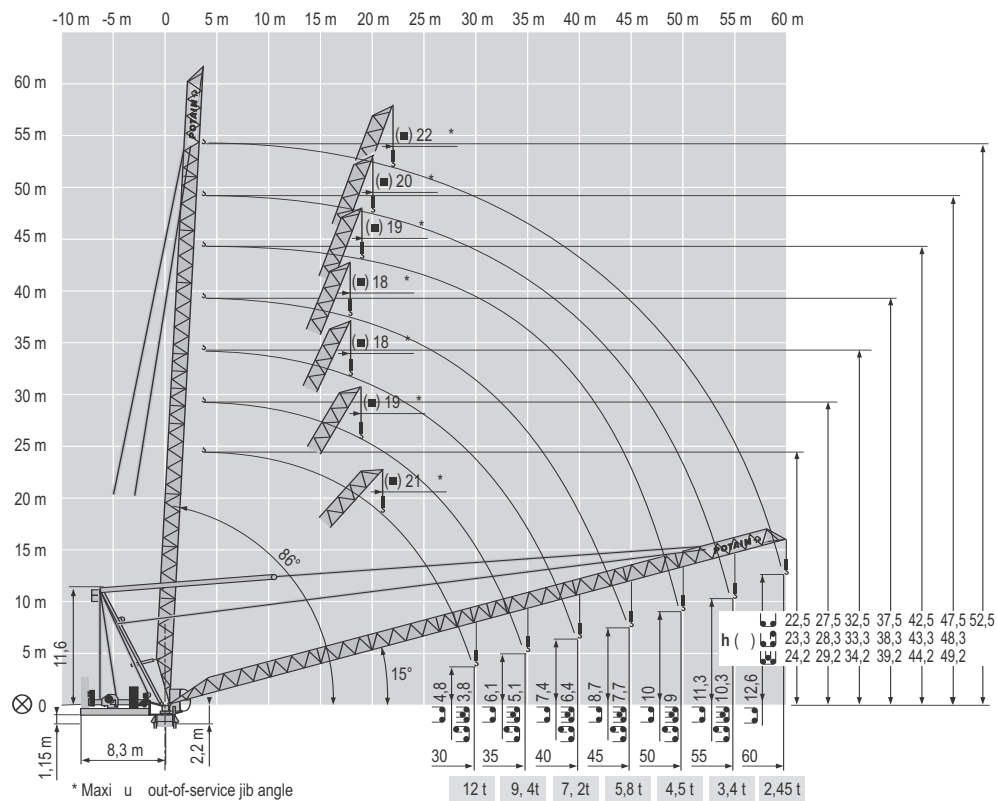
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



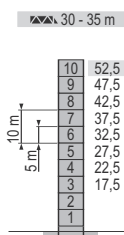
metric mast

MR 295 H25

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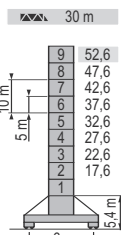


K600 Mast



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

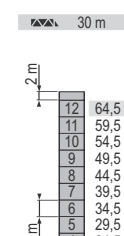
| H (m) | 5 m | 3,33 m |
|-------|------|--------|
| 35 m | 47,6 | 8 |
| 40 m | 44,3 | 6 |
| 45 m | 41 | 6 |
| 50 m | 37,6 | 6 |
| 55 m | 34,3 | 4 |
| 60 m | 32,6 | 5 |



B 60 A

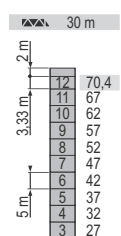
| H (m) | 5 m | 3,33 m |
|-------|------|--------|
| 40 m | 50,8 | 8 |
| 45 m | 49,1 | 9 |
| 50 m | 47,5 | 8 |
| 55 m | 42,5 | 7 |
| 60 m | 39,1 | 7 |

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

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| 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 | | | | | | |
| 60.60 | 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 | | | | | | | |
| 60.60 | | | | | | | |
| Min. Radius | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 |

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MR 295



metric load charts

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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 | 18.43 | 18.63 | 18.83 | 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 | 12.50 |
| 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 | |
| | | | 12,5 | 9 | 6 | 3 | 1,56 | | 25 | 18 | 12 | 6 | 3,12 | | | | | |
|  | 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 | | | | | | | | | 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 Swivel



Caisson Shaped
Base



Jib
Extension



Travelling
Trolley



Ball Joint



Crane Trestle
Travelling
Equipment



Hoist



Travelling Trolley
& Load Diagram



Cab



Electrical
Requirement



Reeling
2-Part



Trolley



Caisson



Hoist



Reeling
4-Part



Climbing
Equipment



Hoisting
Hook



Straight Trestle
Travelling
Equipment



Controls



Hydraulic
Equipment



Trolley



notes

MR 295



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Niella Tanaro

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.

