POTAIN®

Hup M 28-22 A

91.2 ft	72.8 ft
1	1,540 lb
2	1,870 lb

	69.6 ft
91.9 ft	64.3 ft
1	1,540 lb
2	1,870 lb

| 36.2 ft | |
| 41.8 ft | 4,850 lb |

67.6 ft	62.7 ft
1	2,650 lb
2	3,100 lb

| 40.7 ft | |
| 46.1 ft | 4,850 lb |

| 37.7 ft | |
| 43.3 ft | 4,850 lb |

69.6 ft	62.7 ft
1	2,300 lb
2	2,750 lb

| 35.4 ft | 60.7 ft |
| 1 2 | 4,850 lb |

4.9 ft

8.2 ft

59.1 ft

5.1 ft
R = 8.4 ft

11.5 ft

14.8 ft x 14.8 ft

16.4 ft x 13.1 ft

	🏋☰	F1		🏋 + 🏋☰ + ◆◆
1	16,100 lb	● 15.9 USt	■ 14.2 USt	46,000 lb
2	18,950 lb (16,100 lb + 2,850 lb)	● 16.4 USt	■ 14.8 USt	48,850 lb

Smart Set-up

Drive Control

Power Control

Steering axle

POTAIN CONNECT

Hydraulic Levelling

Top Site

kVA

Load curves

35.4 ft · 60.7 ft
① ② 4,850 lb

67.6 ft · 62.7 ft · 91.9 ft · 64.3 ft
① 2,650 lb
② 3,100 lb
① 1,540 lb
② 1,870 lb
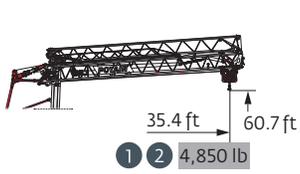
92 ft

	8.2 ►	35.4	ft
①		4,850	lb
②		4,850	lb

	8.2 ►	36.2	39	41.8	43	46	49	53	56	59	62	66	72	79	85	91.9	ft
①		4,850	4,400	-	3,950	3,650	3,350	3,100	2,850	2,700	2,500	2,350	2,090	1,880	1,700	1,540	lb
②			4,850	4,750	4,350	4,000	3,700	3,450	3,200	3,000	2,850	2,500	2,250	2,050	1,870		lb

68 ft

	8.2 ►	35.4	ft
①		4,850	lb
②		4,850	lb

	8.2 ►	40.7	43	46	46.1	49	53	56	59	62	66	67.6	ft
①		4,850	4,600	4,200	-	3,850	3,600	3,350	3,100	2,900	2,750	2,650	lb
②			4,850	4,500	4,150	3,900	3,600	3,400	3,200	3,100			lb

69.6 ft · 62.7 ft
① 2,300 lb
② 2,750 lb

92 ft

	8.2 ►	37.7	39	43	43.3	46	53	59	66	69.6	ft
①		4,850	4,600	4,200	-	3,850	3,250	2,850	2,500	2,300	lb
②			4,850	4,500	3,850	3,350	2,950	2,750			lb

10°
35.4 ft · 63.7 ft
① ② 4,400 lb
67.3 ft · 68.9 ft
① 2,650 lb
② 3,100 lb
91.2 ft · 72.8 ft
① 1,540 lb
② 1,870 lb
69.2 ft · 69.2 ft
① 2,300 lb
② 2,750 lb
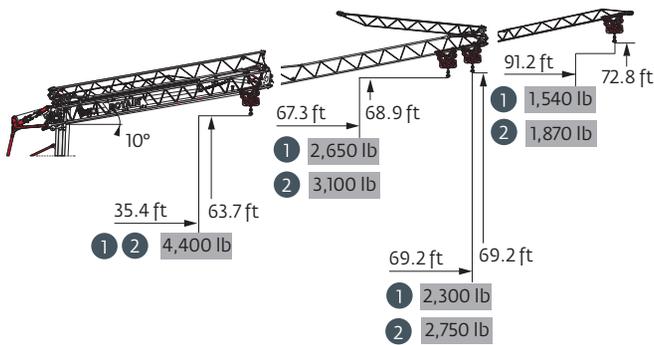
92 ft

	8.2 ►	38.9	43	44.9	49	56	59	66	79	85	91.2	ft
①		4,400	3,950	-	3,300	2,850	2,650	2,350	1,860	1,680	1,540	lb
②			4,400	3,950	3,400	3,200	2,800	2,250	2,040	1,870		lb

68 ft

	8.2 ►	43.9	49	49.8	53	59	66	67.3	ft
①		4,400	3,850	-	3,550	3,100	2,700	2,650	lb
②			4,400	4,150	3,600	3,200	3,100		lb

92 ft

	8.2 ►	40.6	46	46.7	49	53	59	66	69.2	ft
①		4,400	3,800	-	3,500	3,250	2,800	2,450	2,300	lb
②			4,400	4,150	3,850	3,350	2,950	2,750		lb

92 ft / 68 ft

	8.2 ►	35.4	ft
①		4,400	lb
②		4,400	lb

20°
34.8 ft — ① 1,540 lb, ② 1,870 lb
69.2 ft
65 ft — ① 1,540 lb, ② 1,870 lb
66.9 ft — ① 1,540 lb, ② 1,870 lb
79.7 ft
80.4 ft
87.9 ft — ① 1,540 lb, ② 1,870 lb
87.6 ft

30°
32.8 ft — ① 1,210 lb, ② 1,320 lb
61 ft — ① 1,210 lb, ② 1,320 lb
62.5 ft — ① 1,210 lb, ② 1,320 lb
74.5 ft
90.2 ft
91.2 ft
82 ft — ① 1,210 lb, ② 1,320 lb
102 ft

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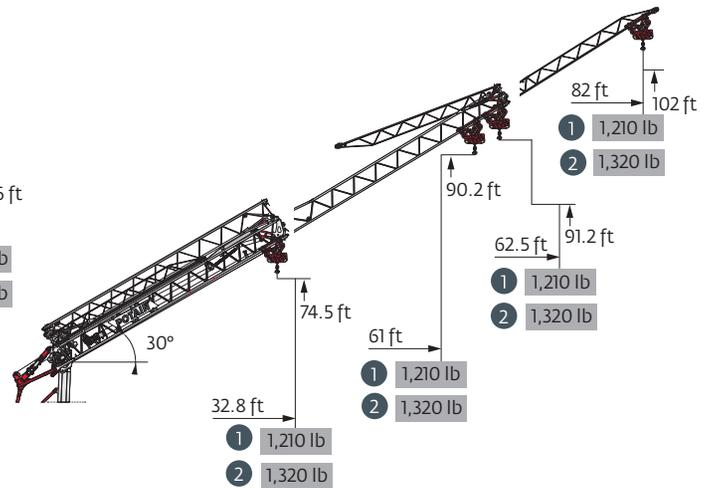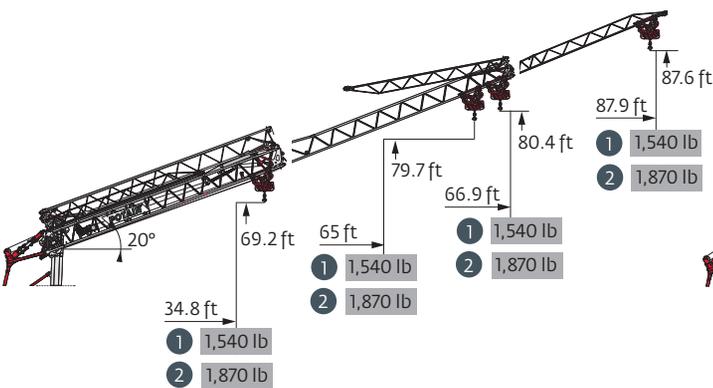
Mechanisms

230 V - 60 Hz 480 V - 60 Hz			🪝↑					hp	kW
⬍	10 LVF 11 Optima	230 V ⚡ 20 A 1	fpm	5	16	34	39	56	3.3	2.4
			lb	4,850	4,850	2,200	1,870	1,210		
		230 V ⚡ 32 A 2	fpm	5	30	61	72	98	5.2	3.8
			lb	4,850	4,850	2,200	1,870	1,210		
		480 V 3	fpm	5	71	126	138	161	10	7.5
			lb	4,850	4,850	2,200	1,870	1,210		
◀■▶	2 DVF 4 Optima		fpm	6	92	115	135	156	2	1.5
			lb	4,850	4,850	2,400	1,320	440		
◉	HPS 131		rpm	0 → 0.8					4	3

🔌 IEC 60204-32	kVA
230 V (+6% -10%) 60 Hz	230 V 20 A: 4.6 kVA 230 V 32 A: 7.4 kVA
480 V (+6% -10%) 60Hz	480 V: 13 → 9 kVA

10 LVF 11 Optima

Erection

5 kVA

360°   ≤ 31 mph

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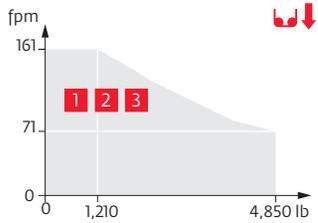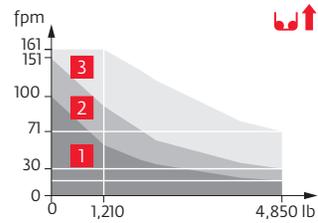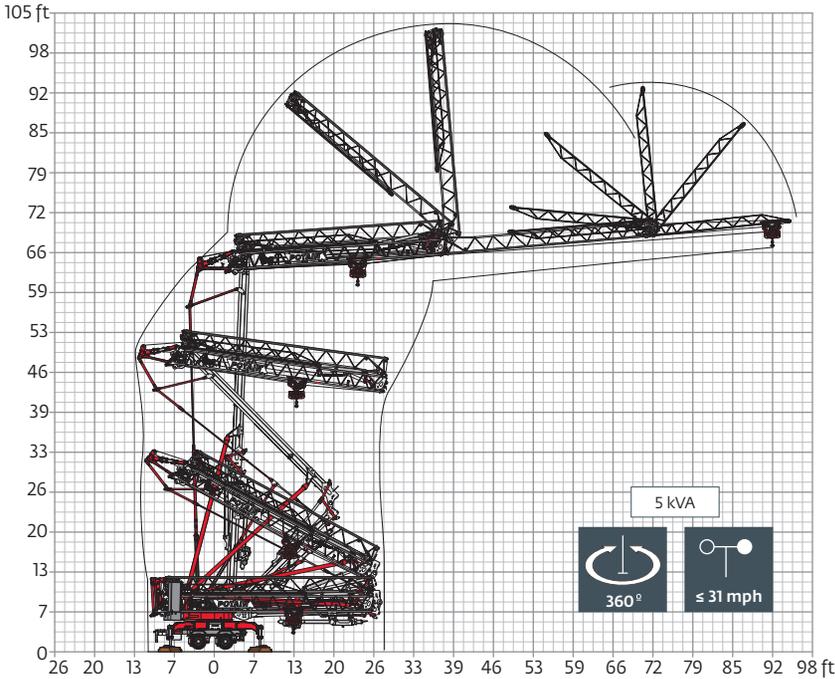
Transport

North America Highway Axle

	mph	🏋️	B (ft)	C (ft)	D (ft)	H (ft)	K (ft)	P (lb)	P1 (lb)	P2 (lb)
TS014/S2-054A	50	16,100 lb	21.6	10.1	1.3	11.9	3.8/4	46,220	43,100	3,120
	50	18,950 lb	21.6	10.1	1.3	11.9	3.8/4	49,080	42,420	6,660

The reactions meet the EN 14439 and ASCE 7-10 specifications for "out of service" wind conditions, provided the illustrated wind speed matches required design wind speed for the location of the tower crane. The "out of service" design wind speed was determined in accordance with ASCE 7-10, Figure 26.5-1A. The wind velocity, used for this configuration was 98 mph (158 kph), which represents a nominal design 3-second wind gust at 33 ft (10 m) above ground for Exposure B category. A factor of 0.85 was applied to the 700-year ultimate design wind speed of 115 mph (185 kph), per ASCE 37-02, with the assumption that this crane is considered a temporary structure used during a construction period of 2 years or less.

R	Rear slewing radius	🏋️	Weight without load, without ballast, without transport axles, with max. jib and standard height	⬥	Hoisting	ℹ Consult us
●	Reactions in service	🏋️≡	Total ballast weight	◀■▶	Trolleying	
■	Reactions out of service	↔	Transport axles	◉	Slewing	
▢	Standard equipment	🚛	Transport of crane with full ballast	kVA	Required power	
⬚	Options	⏱	Power Control Function: winch speeds adapted to the available power	⌁	60 Hz Single phase	

Hook heights given with plated pulley block

⚠ This commercial document is not legally binding

For any technical information, please refer to the corresponding instructions

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