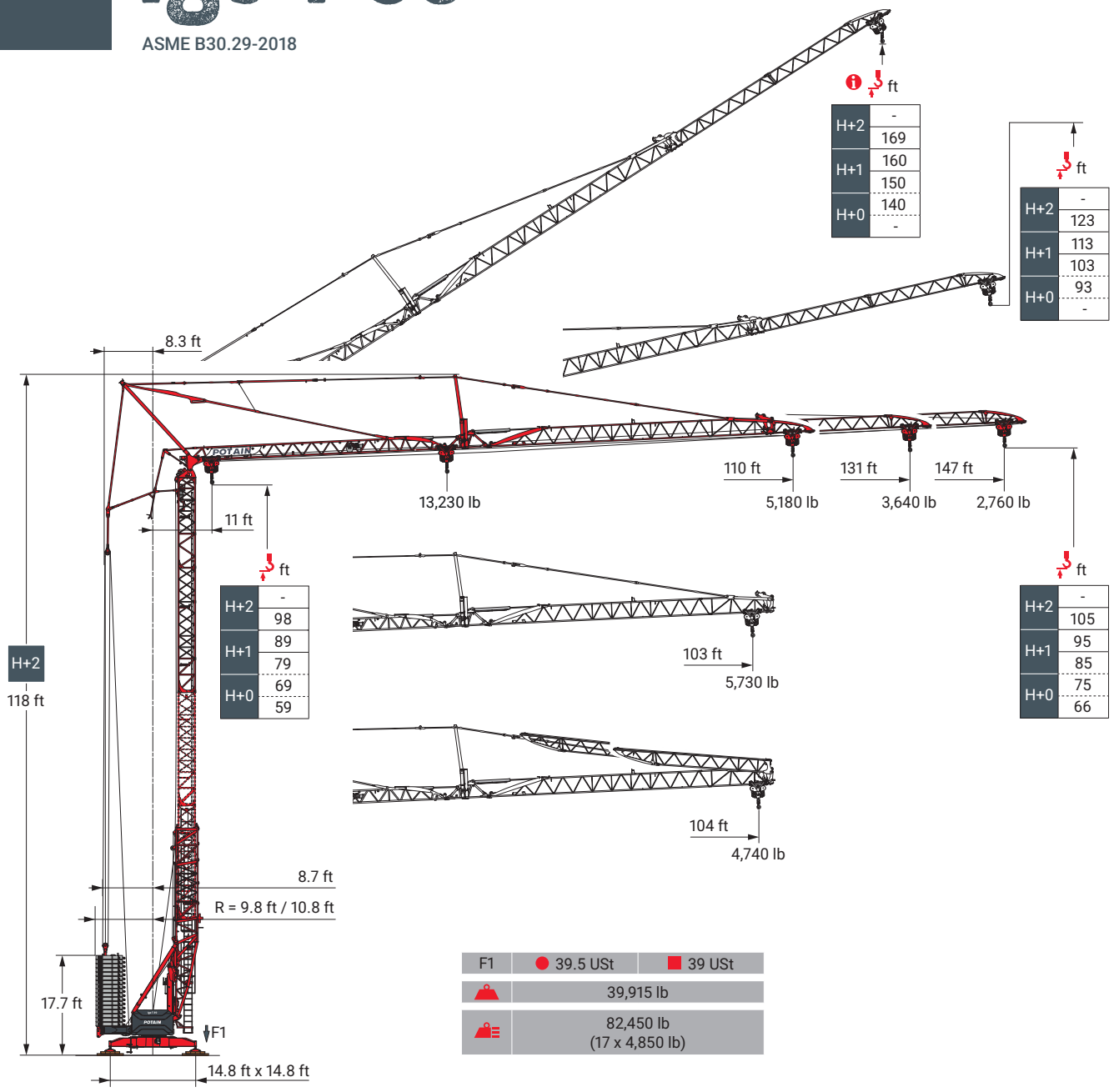
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ASME B30.29-2018



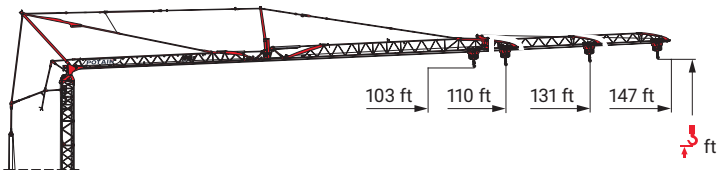
F1	39.5 USt	39 USt
	39,915 lb	
	82,450 lb (17 x 4,850 lb)	

Smart Set-up | Drive Control | Power Control | Top Site | Top Tracing 3

Values have been rounded.

Courtesy of CraneMarket.com

Load curves



ft	103	110	131	147	
H+2	-	-	-	-	3
	103	103	104	105	
H+1	93	93	94	95	2
	83	83	84	85	
H+0	73	74	75	75	1
	63	64	65	66	

ft

	ft	13,230 lb	19	32	45	59	65	72	78	85	91	98	103	104	110	111	118	124	131	137	144	147	ft
1	147	11 → 39	13,230	13,230	11,090	8,320	7,370	6,600	5,960	5,420	4,970	4,570	-	4,230	-	3,930	3,660	3,420	3,210	3,010	2,840	2,760	lb
	131	11 → 42	13,230	13,230	12,180	9,210	8,180	7,340	6,650	6,070	5,570	5,140	-	4,760	-	4,430	4,140	3,870	3,640	lb			
	110	11 → 49	13,230	13,230	13,230	10,740	9,530	8,540	7,730	7,050	6,460	5,960	-	5,530	5,180	lb							
	103	11 → 50	13,230	13,230	13,230	10,990	9,750	8,740	7,910	7,210	6,620	6,110	5,730	lb									
2	147	11 → 27	13,230	11,710	8,900	7,130	6,460	5,900	5,420	5,000	4,640	4,320	-	4,040	-	3,780	3,550	3,350	3,160	2,990	2,830	2,760	lb
	131	11 → 36	13,230	13,230	10,660	8,410	7,590	6,900	6,320	5,820	5,380	5,000	-	4,660	-	4,370	4,100	3,860	3,640	lb			
	110	11 → 49	13,230	13,230	13,230	10,740	9,530	8,540	7,730	7,050	6,460	5,960	-	5,530	5,180	lb							
	103	11 → 50	13,230	13,230	13,230	10,990	9,750	8,740	7,910	7,210	6,620	6,110	5,730	lb									
3	147	11 → 21	13,230	10,250	8,100	6,650	6,090	5,610	5,190	4,820	4,500	4,210	-	3,950	-	3,710	3,500	3,310	3,130	2,970	2,830	2,760	lb
	131	11 → 29	13,230	12,310	9,590	7,810	7,130	6,550	6,050	5,610	5,230	4,890	-	4,580	-	4,310	4,070	3,840	3,640	lb			
	110	11 → 45	13,230	13,230	13,230	10,230	9,160	8,280	7,550	6,920	6,390	5,920	-	5,510	5,180	lb							
	103	11 → 47	13,230	13,230	13,230	10,560	9,450	8,540	7,780	7,130	6,570	6,090	5,730	lb									



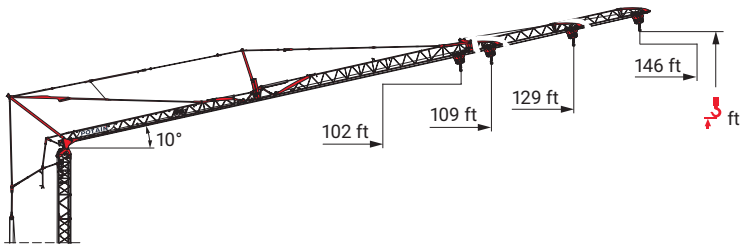
ft	131	147	
H+2	-		3
	103		
H+1	93		2
	83		
H+0	73		1
	64		

ft

	ft	13,230 lb	19	32	45	59	65	72	78	85	91	98	104	ft
1	147 - 131	11 → 42	13,230	13,230	12,180	9,190	8,160	7,320	6,630	6,050	5,550	5,110	4,740	lb
2	147 - 131	11 → 37	13,230	13,230	11,010	8,640	7,770	7,050	6,450	5,930	5,480	5,090	4,740	lb
3	147 - 131	11 → 27	13,230	11,980	9,520	7,860	7,210	6,660	6,170	5,750	5,370	5,040	4,740	lb

Courtesy of CraneMarket.com

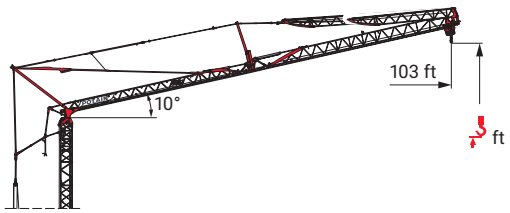
Jib raised to 10°



ft		103	110	131	147	
ft	H+2	-	-	-	-	
		115	117	120	123	3
	H+1	105	107	110	113	2
		96	97	100	103	
	H+0	86	87	91	93	1
		-	-	-	-	

ft	2,870 lb	59	65	72	78	85	91	98	102	104	109	114	118	124	129	131	137	144	146	ft
147	11 → 141	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb
131	11 → 129	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb				
110	11 → 109	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb								
103	11 → 102	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb										

ft	2,870 lb	59	65	72	78	85	91	98	102	104	109	114	118	124	129	131	137	144	146	ft
147	11 → 112	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,780	2,680	2,480	-	2,310	2,160	2,020	1,980	lb
131	11 → 129	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb				
110	11 → 109	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb								
103	11 → 102	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb										

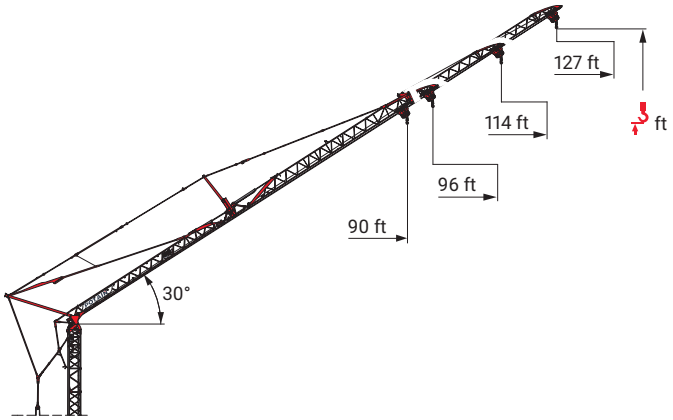


ft		131	147	
ft	H+2	-		
		115		3
	H+1	106		2
		96		
	H+0	86		1
		-		

ft	2,870 lb	59	65	72	78	85	91	98	103	ft
147-131	11 → 103	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb

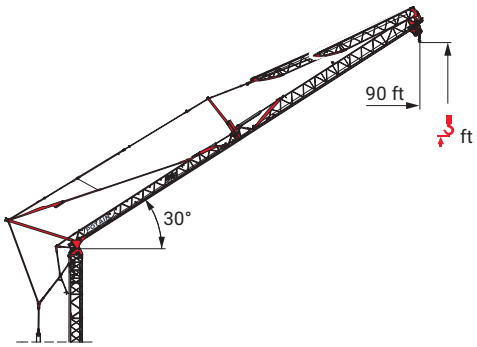
Courtesy of CraneMarket.com

Jib raised to 30°



ft		103	110	131	147	
ft	H+2	-	-	-	-	
		-	-	161	169	3
	H+1	-	-	151	160	2
		127	131	141	150	
	H+0	118	121	132	140	1
		-	-	-	-	

	ft	6,610 lb	59	65	72	78	85	90	91	96	98	104	111	114	118	124	127	ft
1	147	11 → 63	6,610	6,400	5,690	5,110	4,630	-	4,220	-	3,860	3,560	3,300	3,170	3,060	2,850	2,760	lb
1	131	11 → 70	6,610	6,610	6,410	5,770	5,220	-	4,770	-	4,380	4,040	3,750	3,640	lb			
1	110	11 → 78	6,610	6,610	6,610	6,600	5,990	-	5,470	5,180	lb							
1	103	11 → 80	6,610	6,610	6,610	6,610	6,160	5,730	lb									
2	147	11 → 47	5,440	4,920	4,480	4,110	3,790	-	3,510	-	3,260	3,040	2,840	2,750	2,660	2,500	2,430	lb
2	131	11 → 62	6,610	6,250	5,620	5,100	4,660	-	4,270	-	3,940	3,660	3,400	3,310	lb			
3	147	11 → 32	3,550	3,140	2,810	2,530	2,290	-	2,090	-	1,910	1,750	1,610	1,550	1,490	1,370	1,320	lb
3	131	11 → 47	5,370	4,830	4,380	4,000	3,670	-	3,390	-	3,140	2,920	2,720	2,650	lb			



ft		131	147	
ft	H+2	-		
		-		
	H+1	-		
		127		
	H+0	118		1
		-		

	ft	6,610 lb	59	65	72	78	85	90	ft
1	147 - 131	11 → 68	6,610	6,610	6,260	5,630	5,100	4,740	lb

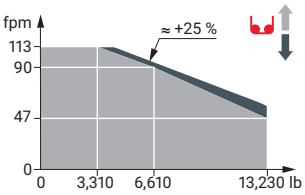
Courtesy of CraneMarket.com

Mechanisms

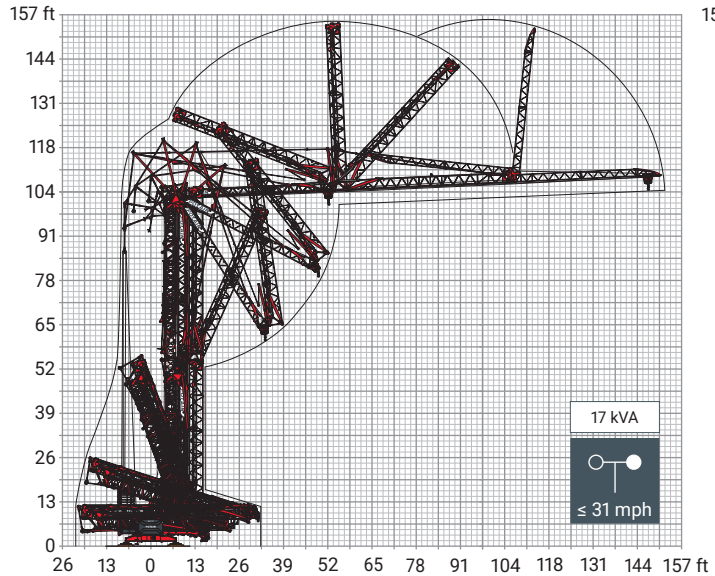
480 V - 60 Hz							hp	kW
	20 LVF 15 Optima	fpm	3	47	90	113	20	15
		lb	13,230	13,230	6,610	3,310		
	5 DVF 5 Optima	fpm	48	127	180	229	5.5	4
		lb	13,230	13,230	4,410	440		
	RVF 151 Optima+	rpm	0 → 0.8				5.5	4

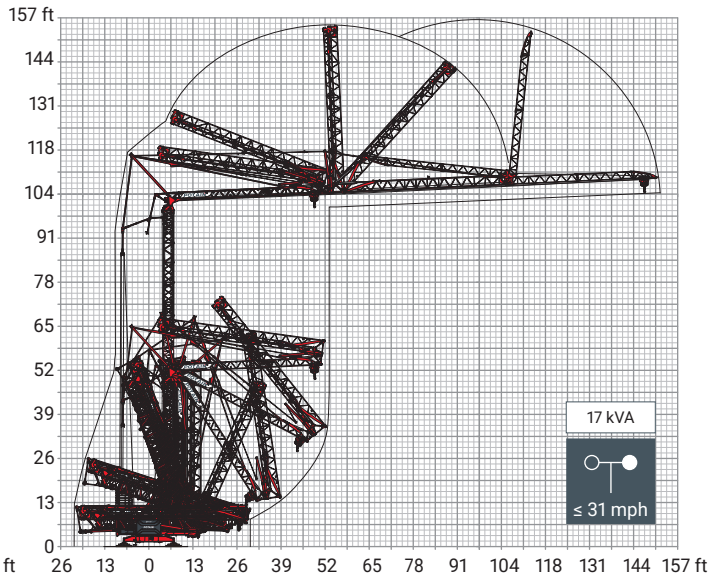
IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	22 → 15 kVA

20 LVF 15 Optima



Erection

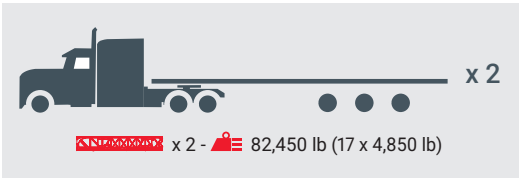




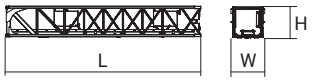
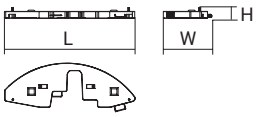
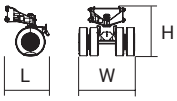
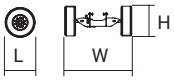
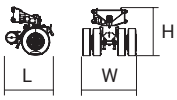
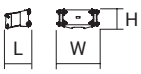
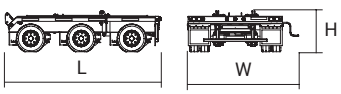
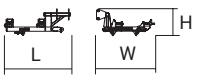
Courtesy of CraneMarket.com

Transport

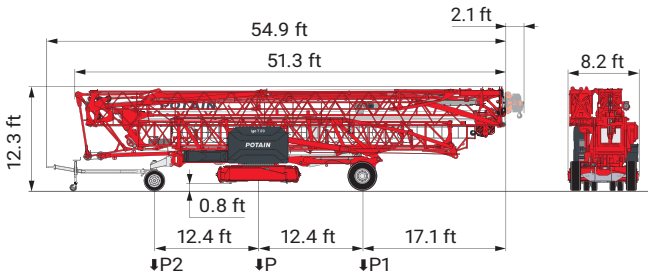




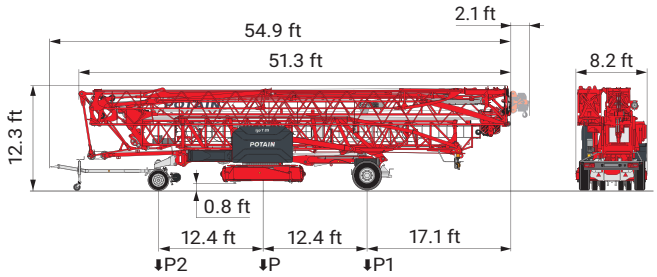
Dimensions and weight

Description		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
	Extension mast	19.7	3.2	3.4	1,764
	Ballast slab	13.6	5.1	1.1	4,850
	Transport axle 6 mph — DJ100	3.8	4.8	4.2	1,477
	Transport axle 6 mph — S120	3.5	7.9	3.5	1,168
	Transport axle 15.5 mph — DJ105A	4.3	4.8	4.1	1,653
	Transport axle 15.5 mph — S125A	5	7.9	3.8	1,764
	Front adaptation kit — Kit 104	1.9	3.1	1.4	313
	Fifth wheel adaptor kit — SL122	7.2	7.6	2	798
	Transport axle 31 mph — North America Highway Axle	14	8.6	3.7	9,259
	Rear adaptation kit — Kit 203	6.1	5.3	2.3	617

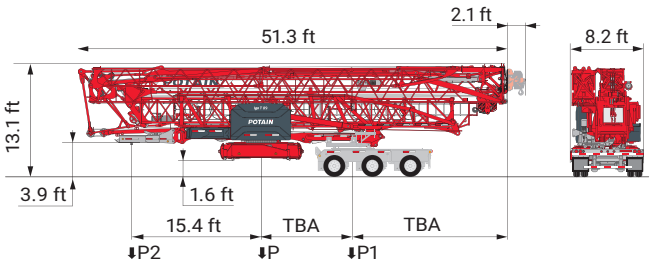
Courtesy of CraneMarket.com



	mph	P (lb)	P1 (lb)	P2 (lb)
DJ100/S120	**6**	42,637	24,945	17,692



	mph	P (lb)	P1 (lb)	P2 (lb)
DJ105A/S125A	**15.5**	43,376	25,541	17,835



	mph	P (lb)	P1 (lb)	P2 (lb)
North America Highway Axle	**31**	ⓘ	ⓘ	ⓘ

Courtesy of CraneMarket.com

The reactions and ballast configurations presented in this data sheet meet the specifications of EN 14439:2025 and ASME B30.29-2018 standards.
The “out of service” wind profile is determined in accordance with ASCE 7-16 and ASCE 37-14 specifications as follow:
The “standard” design wind is determined from an ultimate reference wind speed of 115 mph (185 kph) corresponding to an average recurrence interval of 700 years, calculated for an Exposure C category, and combined with a 0.85 reduction factor based on the assumption that the crane is considered as a temporary construction structure used for 2 years or less.
As a result, this “standard” wind profile is covered by the EN 14439:2025 C25 wind profile, which is used to determine all technical data provided in this document.

- R — Rear slewing radius
- Consult us
- Reactions in service
- Reactions out of service
- Weight without load, without ballast, without transport axles, with max. jib and standard height
- Total ballast weight
- Standard equipment
- Options
- Hoisting
- Trolleying
- Slewing
- kVA — Required power
- Power Control Function: winch speeds adapted to the available power

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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Igo T 89

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