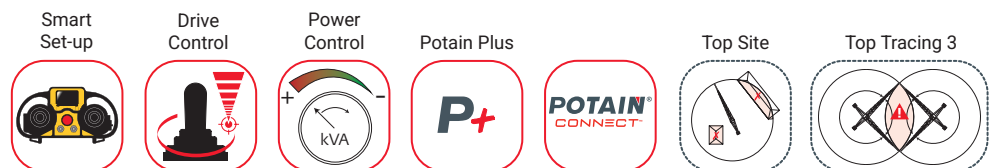
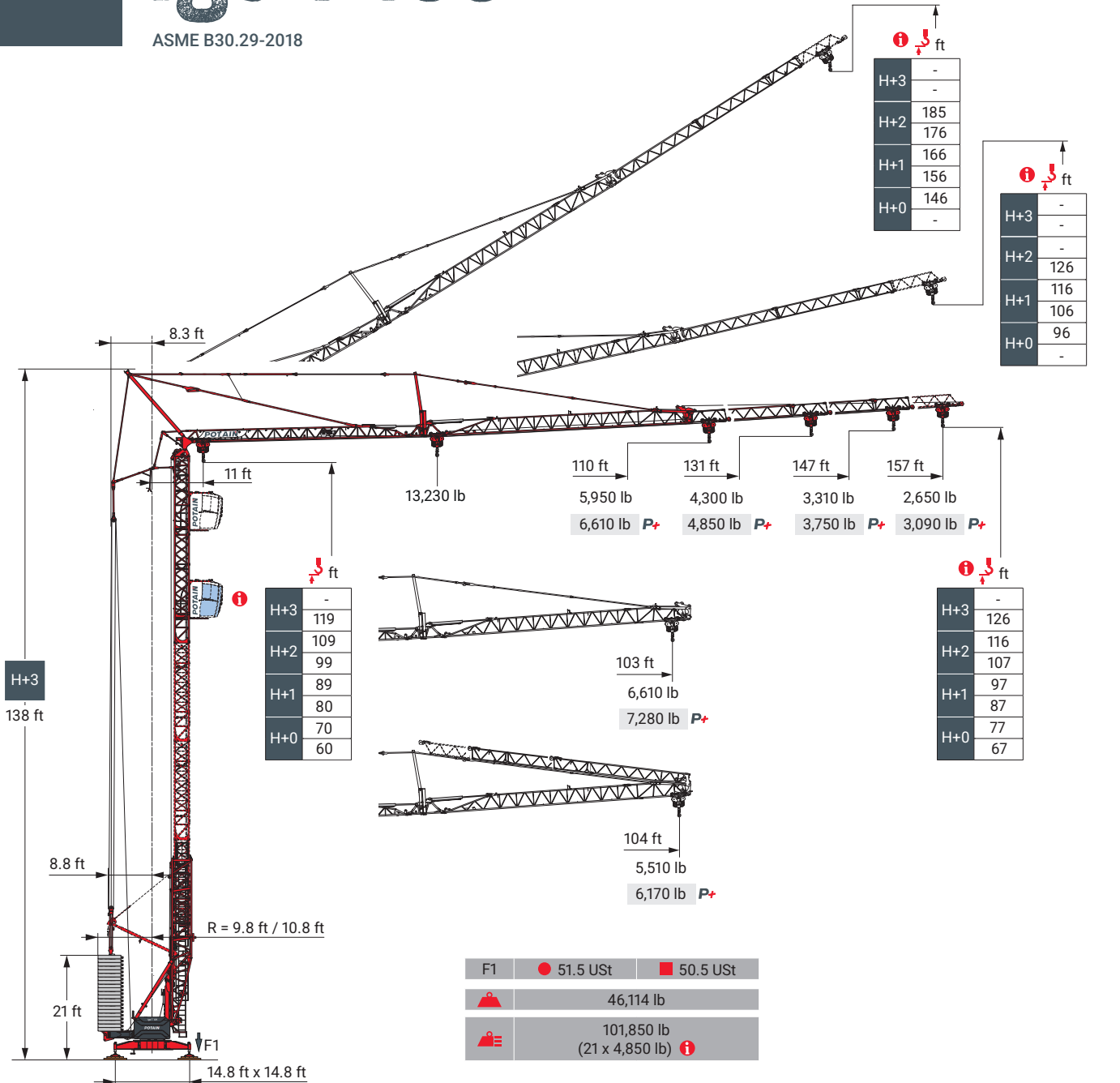


POTAIN®

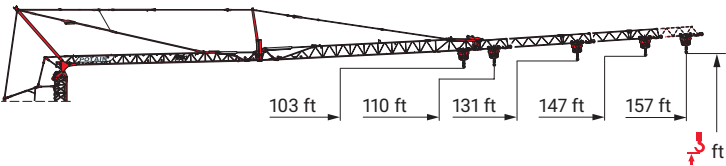
Igo T 109

ASME B30.29-2018



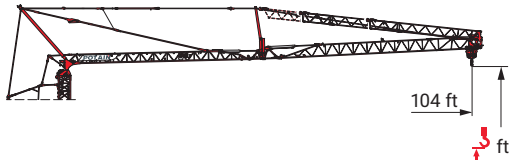
Values have been rounded.

Load curves



ft	103	110	131	147	157
H+3	-	-	-	-	-
H+2	124	124	125	126	126
H+1	114	114	115	116	116
H+0	104	104	105	106	107
	94	95	96	96	97
	84	85	86	86	87
	75	75	76	77	77
	65	65	66	67	67

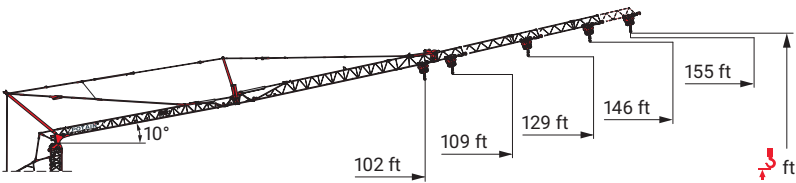
ft	13,230 lb	45	52	59	65	72	78	85	91	98	103	104	110	111	118	124	131	137	147	150	157	ft
157	11 → 43	12,450	10,560	9,140	8,030	7,150	6,420	5,820	5,310	4,870	-	4,490	-	4,160	3,870	3,610	3,380	3,170	2,890	2,800	2,650	lb
	11 → 43	12,560	10,890	9,590	8,550	7,700	6,990	6,390	5,870	5,430	-	5,040	-	4,690	4,390	4,110	3,870	3,640	3,350	3,260	3,090	lb P+
147	11 → 49	13,230	12,180	10,500	9,210	8,180	7,340	6,640	6,060	5,560	-	5,130	-	4,750	4,420	4,120	3,860	3,620	3,310	lb		
	11 → 49	13,230	12,320	10,810	9,620	8,640	7,840	7,160	6,570	6,070	-	5,640	-	5,250	4,910	4,600	4,330	4,080	3,750	lb	P+	
131	11 → 51	13,230	13,070	11,330	9,980	8,900	8,020	7,280	6,660	6,130	-	5,660	-	5,260	4,900	4,580	4,300	lb				
	11 → 51	13,230	13,090	11,590	10,380	9,380	8,550	7,840	7,240	6,710	-	6,250	-	5,840	5,470	5,150	4,850	lb	P+			
110	11 → 56	13,230	13,230	12,640	11,140	9,950	8,970	8,150	7,460	6,870	-	6,360	5,950	lb								
	11 → 56	13,230	13,230	12,730	11,460	10,400	9,510	8,750	8,090	7,520	-	7,020	6,610	lb	P+							
103	11 → 58	13,230	13,230	12,960	11,430	10,200	9,200	8,360	7,660	7,050	6,610	lb										
	11 → 58	13,230	13,230	13,000	11,700	10,630	9,720	8,950	8,280	7,700	7,280	lb	P+									



ft	131	147	157
H+3	-	-	-
H+2	124	124	124
H+1	114	114	114
H+0	104	104	104
	94	94	94
	84	84	84
	75	75	75
	65	65	65

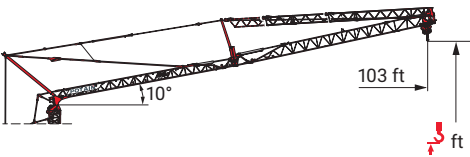
ft	13,230 lb	45	52	59	65	72	78	85	91	98	104	ft
157 - 147 - 131	11 → 50	13,230	12,740	11,050	9,730	8,680	7,810	7,090	6,490	5,960	5,510	lb
	11 → 50	13,230	12,820	11,370	10,200	9,240	8,430	7,740	7,140	6,630	6,170	lb P+

Jib raised to 10°



ft	103	110	131	147	157
H+3	-	-	-	-	-
H+2	-	-	-	-	-
H+1	117	118	121	124	126
H+0	107	108	112	114	116
	97	98	102	105	106
	87	88	92	95	96
	-	-	-	-	-

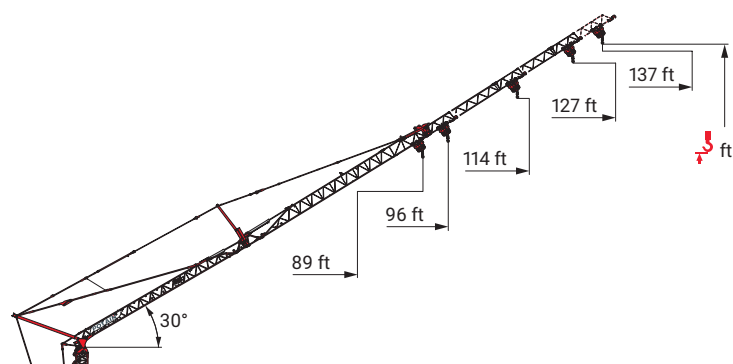
ft	2,870 lb	45	52	59	65	72	78	85	91	98	102	104	109	111	118	124	129	137	146	150	155	ft
157	11 → 146	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,760	2,650	lb
147	11 → 146	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	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	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	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	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



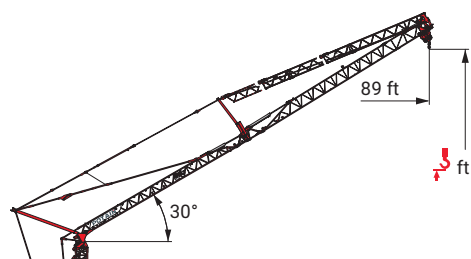
ft	131	147	157
H+3	-	-	-
H+2	-	-	-
H+1	117	107	97
H+0	87	-	-

ft	2,870 lb	45	52	59	65	72	78	85	91	98	103	ft
157 - 147 - 131	11 → 103	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb

Jib raised to 30°



ft		103	110	131	147	157
 ft	H+3	-	-	-	-	-
		-	-	-	-	-
	H+2	-	-	172	180	185
		-	-	162	171	176
	H+1	139	142	153	161	166
		129	133	143	151	156
	H+0	119	123	133	141	146
		-	-	-	-	-

[illegible]

ft		131	147	157
ft	H+3	-	-	-
	H+2	-	-	-
	H+1	139	129	119
	H+0	-	-	-

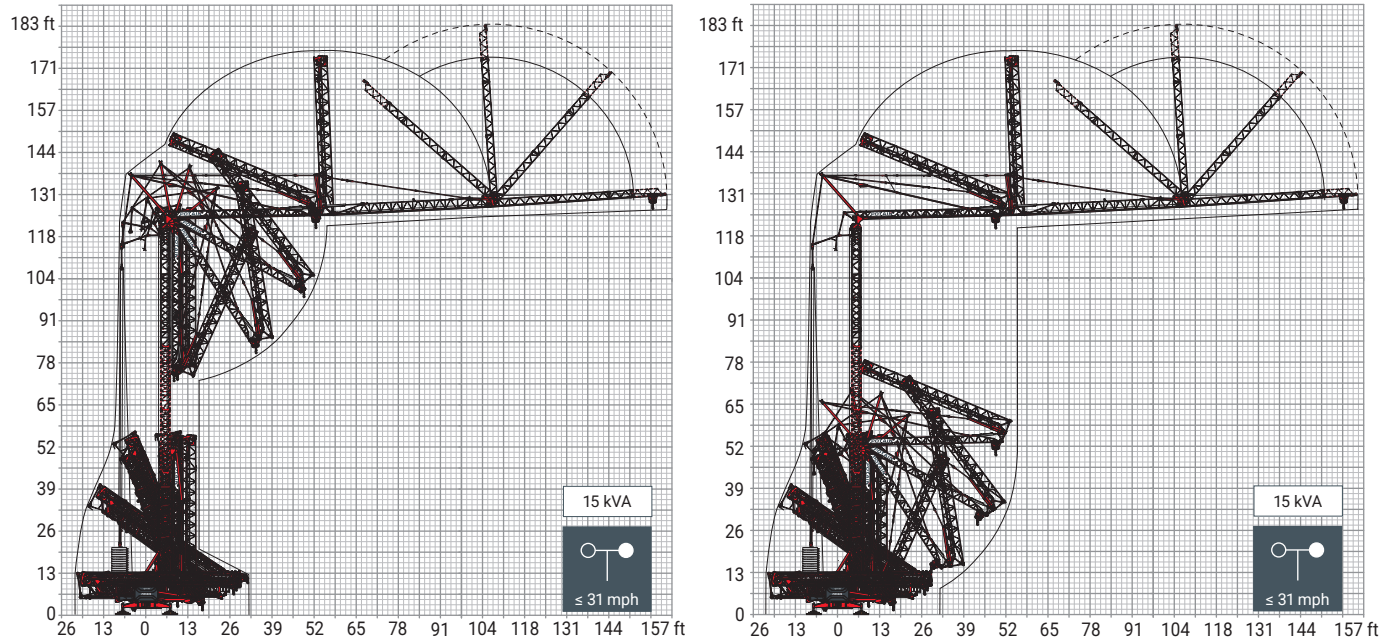
										
ft	6,610 lb	45	52	59	65	72	78	85	89	ft
157-147-131	11→74	6,610	6,610	6,610	6,610	6,610	6,190	5,620	5,290	lb

Mechanisms

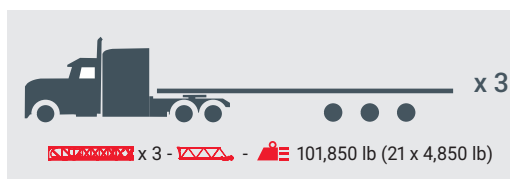
480 V - 60 Hz								hp	kW
	25 HPL™ 15	fpm	6	52	98	150	177	25	19
		lb	13,230	13,230	6,610	3,310	2,650		
	5 DVF 5 Optima	fpm	48	127	180	229		5.5	4
		lb	13,230	13,230	4,410	440			
	HPS 152	rpm	0 → 0.8					2 x 5.5	2 x 4

 IEC 60204-32		
480 V (+6% -10%) 60 Hz	 29 → 21 kVA	
	 34 → 24 kVA	

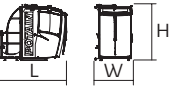
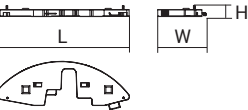
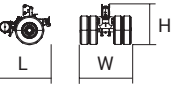
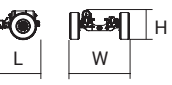
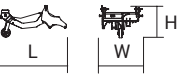
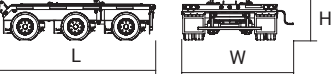
Erection



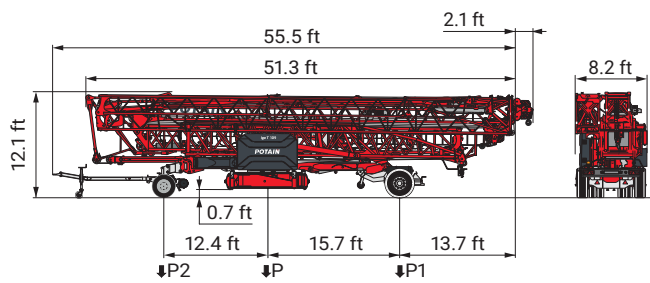
Transport



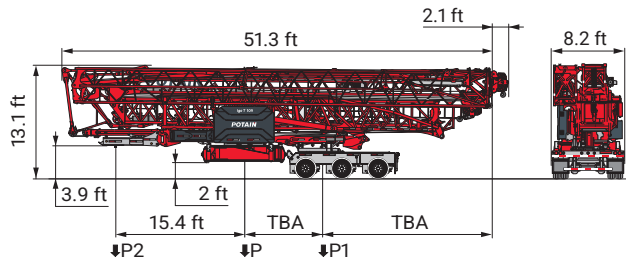
Dimensions and weight

Description	L (ft)	W (ft)	H (ft)	lb (+/- 5%)
 Extension mast	19.7	3.2	3.4	2,061
 157 ft jib option 147 ft → 157 ft	10.5	2.8	2.5	220
 Cab Ultra View	10	5.5	8.2	1,929
 Ballast slab	13.6	5.1	1.1	4,850
 Transport axle 15.5 mph DJ126MA	5	4.9	3.9	1,609
 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
 Rear adaptation kit Kit 210	6	3.9	2.7	694
 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

Road transport



	mph	P (lb)	P1 (lb)	P2 (lb)
DJ126MA/S125A	15.5	50,629	26,290	24,339



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

The reactions and ballast configurations presented in this data sheet meet the specifications of EN14439:2025 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 EN14439:2025 C25 wind profile, which is used to determine all technical data provided in this document.

-  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

 Potain Plus function: Plus load curves

 Hoisting

 Trolleying

 Slewing
-  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

