

# Potain Igo 36

## Product Guide



### Features

- 4000 kg (8818 lb) maximum capacity
- 1100 kg (2425 lb) capacity at 32 m (105 ft) radius
- 32 m (105 ft) maximum operating hook radius
- 30,7 m (101 ft) maximum hook height with jib set at 20°
- 22 m (72 ft) maximum hook height with jib horizontal

# Features

## Small footprint and quiet operation

The Igo 36's limited space requirement and quiet operation make it the ideal choice for many jobsites including those in residential areas.



## Ballast

The optional ballasting derrick allows the operator to easily and precisely place the counterweight in position.



## Wireless remote control

Wireless radio remote control with indicators allows operation of the unit within an approximate three-hundred foot radius.



## Outrigger footprints

Two operating outrigger footprints are available for the Igo 36:

- Square: 4 x 4 m (13.1 x 13.1 ft)
- Rectangular (requires additional ballast)  
3,5 m x 4,42 m (11.5 x 14.5 ft)



## Transport axle sets

Optional transport axles for site and highway applications are able to be removed without the assistance of another crane.

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# Specifications



## Jib

32 m (105 ft) radius standard folding offsettable lattice jib. Removable jib extensions can allow additional horizontal jib operating radii of 25 m (82 ft) or 28,25 m (93 ft). One (1) tie bar line with adjustable lengths allows jib to be offset 8° and 20°. Two (2) erecting speeds controlled from the remote, opening and aligning are carried out automatically by a hydraulic cylinder.



## Mast

Galvanized folding mast with hydraulic cylinder for erection. Two (2) erecting speeds controlled from the remote. No locking necessary. 360° rotation possible during erection.



## Chassis

Outriggers swing and lock into position. Two outrigger spreads possible: 4 m x 4 m (13.1 ft x 13.1 ft) or 3,5 m x 4,42 m (11.5 ft x 14.5 ft) both with 2,2 m (7.2 ft) slewing radius. Level bubble is integrated into the chassis. Outrigger pads are stowed on the crane during transport.



## Ballast

5200 kg (11,464 lb) ballast standard. Crane with standard ballast is able to be transported on several \*axle sets. \*Additional ballast available for a total of 21 200 kg (46,734 lb) for square outrigger spread or 24 400 kg (53,793 lb) for optional rectangular outrigger spread.



## \*Optional manual ballasting derrick

Uses the hoisting winch to ballast the crane or dismantle/attach \*fifth-wheel. Stows alongside the jib during transport.



## Electrical requirement

480 volt, 60 Hz measured at the turntable. Earth rod and electric cable stowed on the crane during transport.



## Reeving

SM/DM block for 2 or 4-part line. One pin removal to change between SM and DM. Pure SM1 (section of hook block removed) is possible with gain of 100 kg (220 lb) lifting capacity.



## Controls

Wireless remote control provides information to the operator about \*\*wind speed, radius, hook height, load, and moment. Lights and buzzers alert the operator when nearing limits of operation.

Auxiliary remote attached by umbilical cord ensures continual operation in case of battery or other malfunction of the wireless remote control.



## \*Optional Anemometer

Electronic wind speed meter (anemometer) to alert the operator of wind speed conditions. Provides selective display on the radio remote. Crane can be operated in wind speeds up to 72 km/h (45 mph) and weather vane in winds up to 150 km/h (93 mph).



## Swing

RVF+41 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. Multiple rpm speeds possible depending upon parameter selected.



## Hoist

15 LVF 10 Optima: 15 HP variable frequency hoist with 1.1 USt (1 t) line pull. 3 notch, progressive speed change according to the accelerating or decelerating ramps. Optima allows the hoist to adapt its speed to the weight of the load.



## Trolley

3 DVF 5: 3 HP variable frequency hoist with 500 kg (1102 lb) line pull. 2 notch winch, progressive speed change according to acceleration or deceleration ramps controlled by the frequency converter.



## Hydraulic equipment

Cylinders for erecting the crane linked to solenoid valves. One (1) cylinder for unfolding the jib and one (1) for raising the mast.



## \*Optional transport axle sets

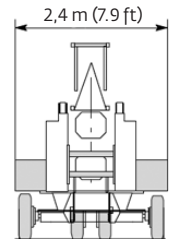
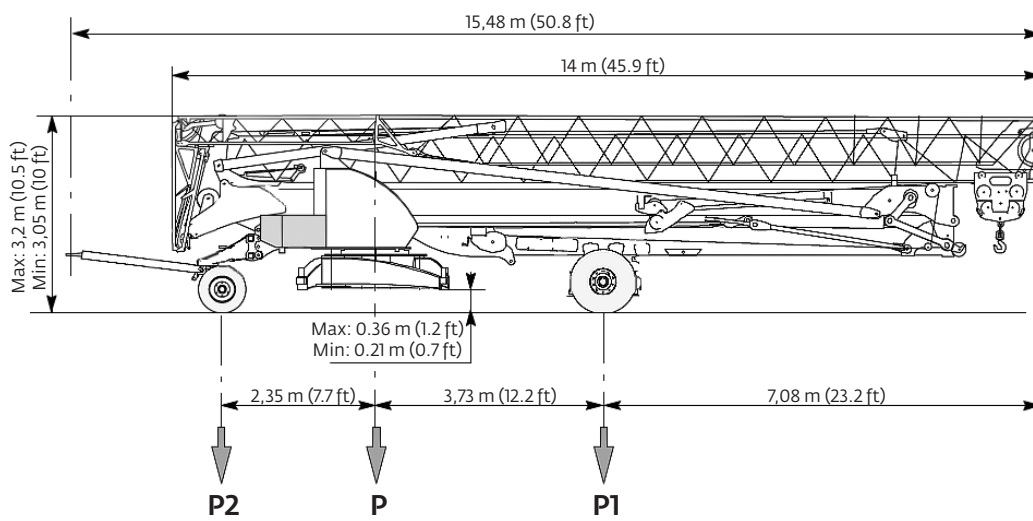
Axle sets are available for both jobsite and highway applications. Jobsite axles are rated at either 10 km/h (6 mph) or 25 km/h (15.5 mph); highway axle set is rated at 80 km/h (50 mph).

## \*Optional equipment

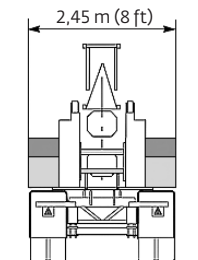
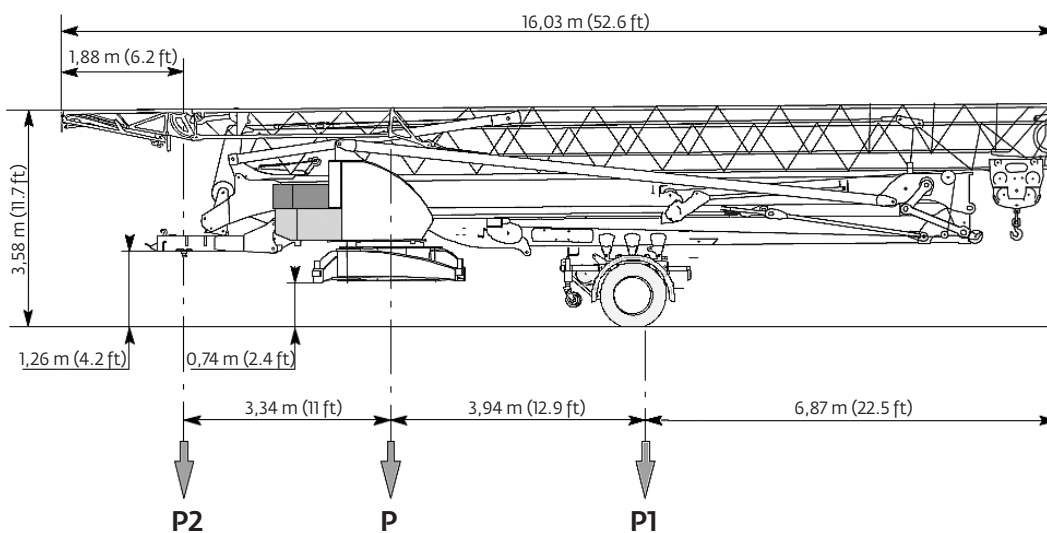
- \* STANDARD NORTH AMERICAN SPECIFICATION: includes additional lateral ballast blocks, manual ballasting derrick, high sole plates, Dialog Wind, container preparation and cold weather kit.
- \* High sole pads
- \* Transport axles and kits
- \* Top Zone
- \* Top Tracing
- \* Dialog Wind

*Consult price list for additional options.*

## DS62 / S120 10 km/h / 6 mph



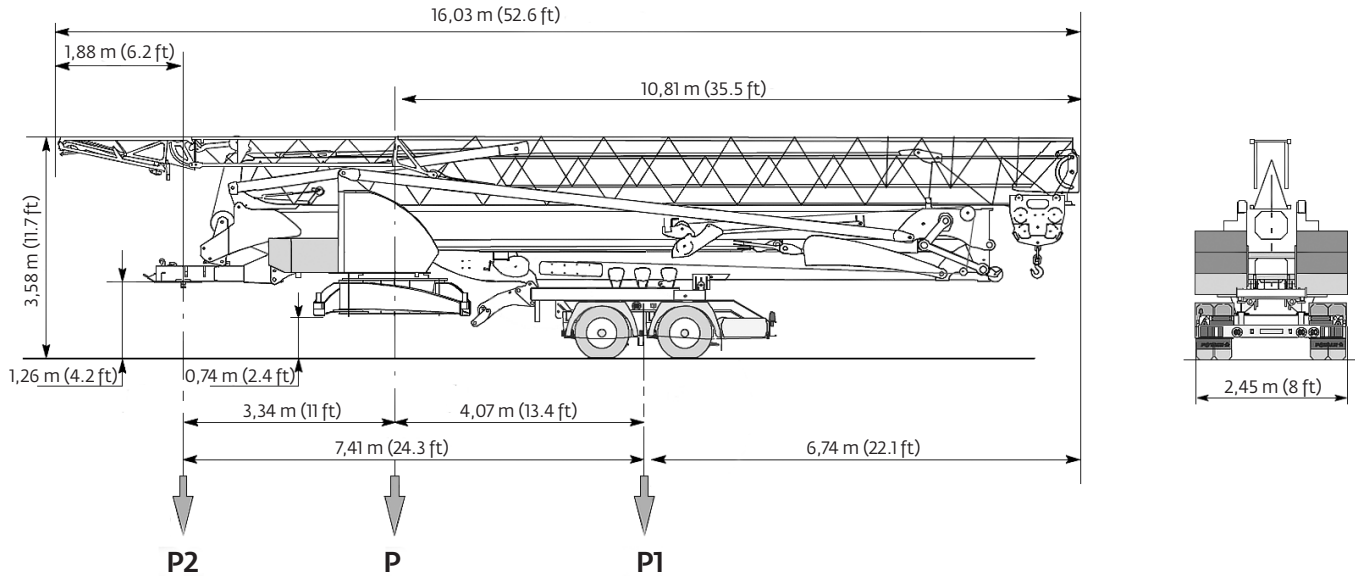
## SL121 / J135 25 km/h / 15.5 mph



NOTE: Dimensions and weights may vary due to manufacturing tolerances.

# Weights

## SL122 / J215M 80 km/h / 50 mph



### Chassis data (in transport position)

	DS62/S120 10 km/h (6 mph)		SL121/J136 25 km/h (15.5 mph)		SL122/J215M 80 km/h (50 mph)	
	meters	(feet)	meters	(feet)	meters	(feet)
Overall length	15,48	50.8	16,03	52.6	16,03	52.6
Overall height	Max: 3,20 Min: 3,05	Max: 10.5 Min: 10	3,58	11.7	3,58	11.7
Overall width	2,4	7.9	2,45	8	2,45	8
Overhang	7,08	23.2	6,87	22.5	6,74	22.1

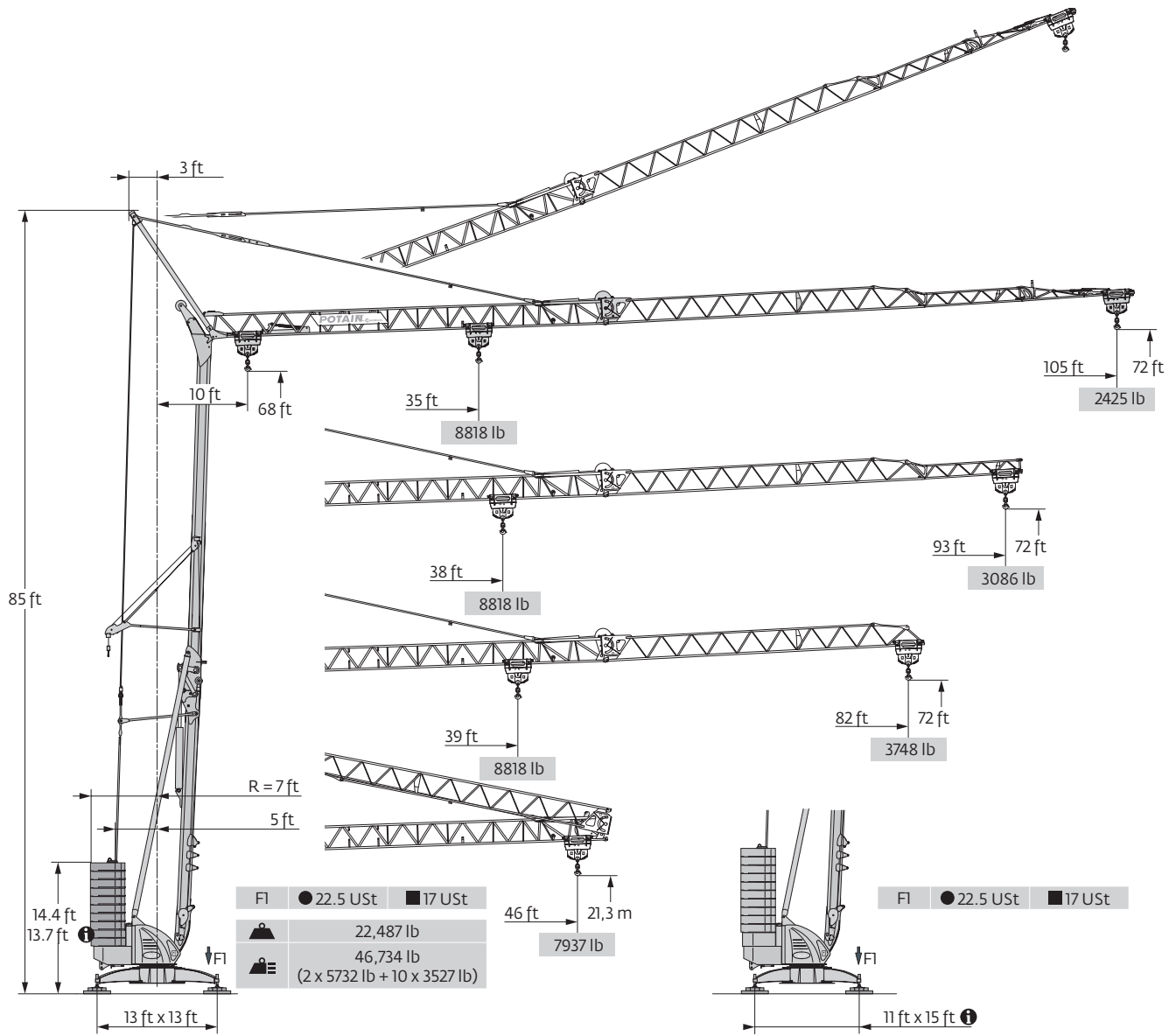
### Weights

Crane weight less counterweight:	10 400 kg	22,928 lb
Counterweight for operation: *square footprint	21 200 kg	46,737 lb
Crane with counterweight:	31 600 kg	69,665 lb

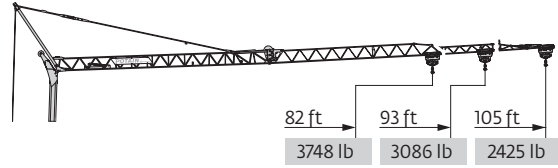
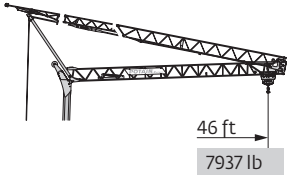
### Crane with transport equipment

	DS62/S120 10 km/h (6 mph)		SL121/J136 25 km/h (15.5 mph)		SL122/J215M 80 km/h (50 mph)	
	kilograms	(pounds)	kilograms	(pounds)	kilograms	(pounds)
In transport with minimal counterweight:						
Gross (P)	16 360	36,068	20 685	45,602	24 955	55,016
Rear (P1)	10 380	22,884	12 760	28,131	14 398	31,742
Front (P2)	5980	13,184	7925	17,471	10 557	23,274
Counterweight in transport:	5200	11,464	8400	18,519	11 600	25,573

# Dimensions



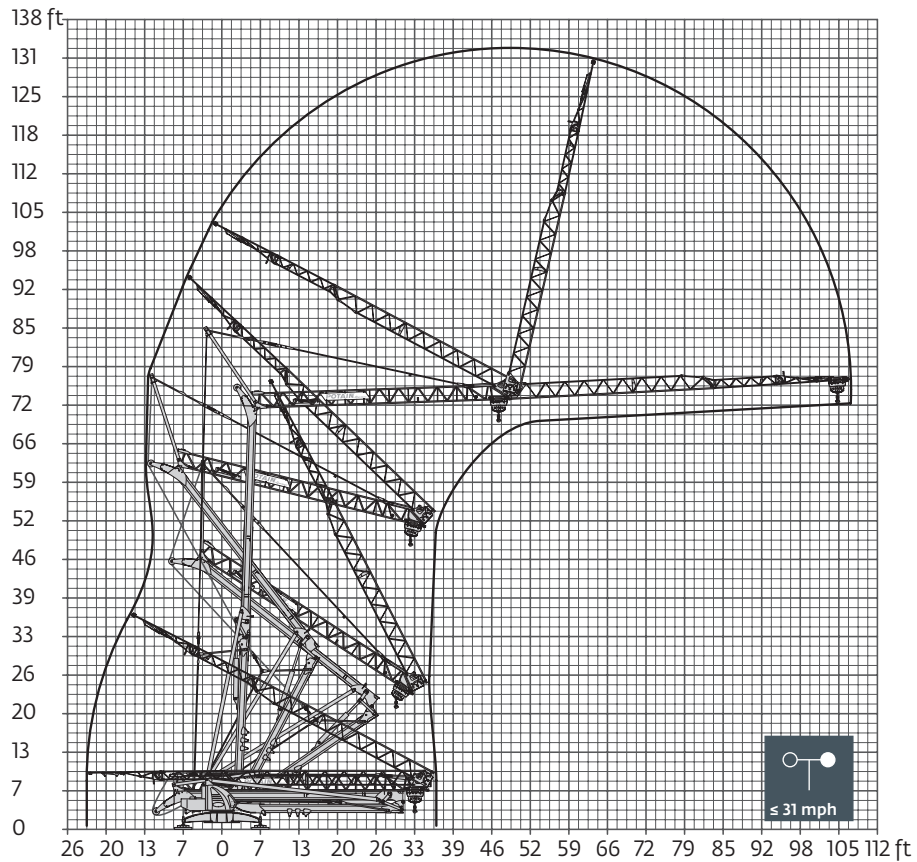
# Load charts



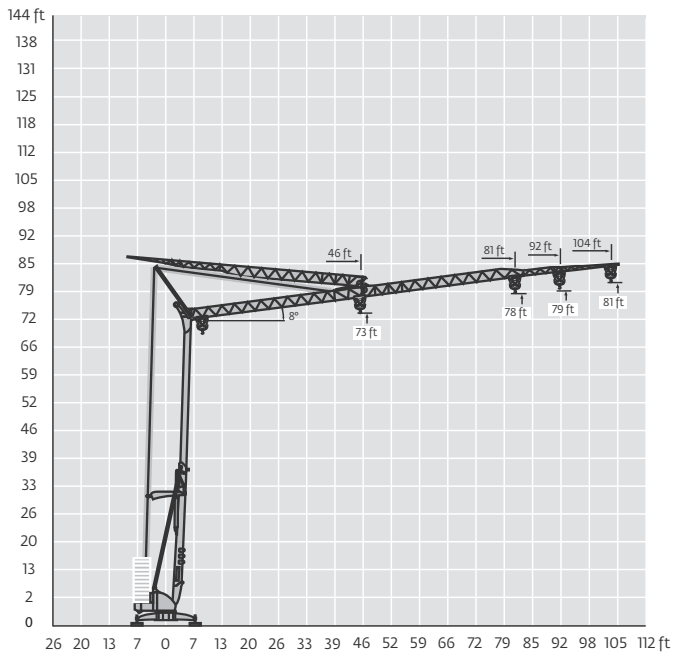
105 ft	10	▶	42	43	46	ft	35	36	39	43	46	49	52	56	59	61	62	64	66	72	82	89	98	105	ft	
▲▲▲							8818	8532	7628	6689	6272	5754	5313	4916	4586	4409	4277	4145	4012	3560	3031	2756	2403	2205	lb	
				</																						



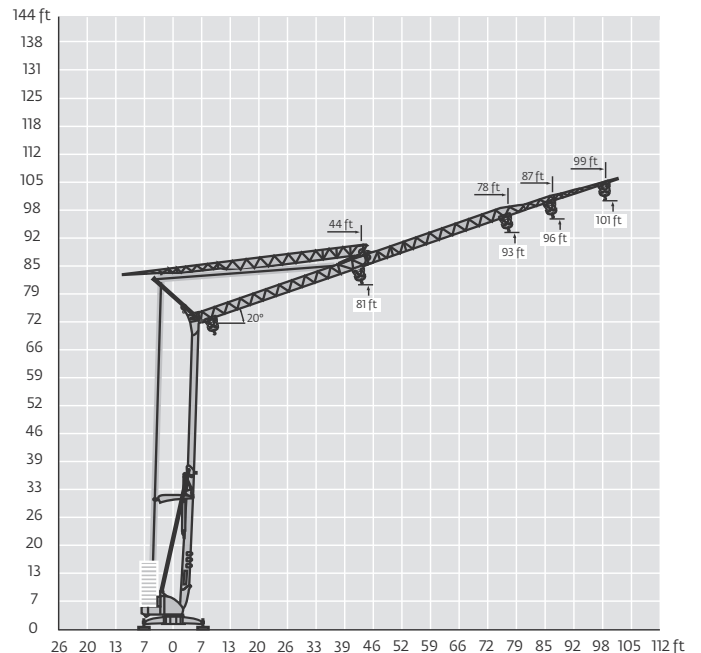
# Crane profile and working range








Jib raised 8°





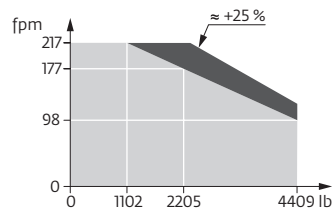
Jib raised 20°







# Mechanisms

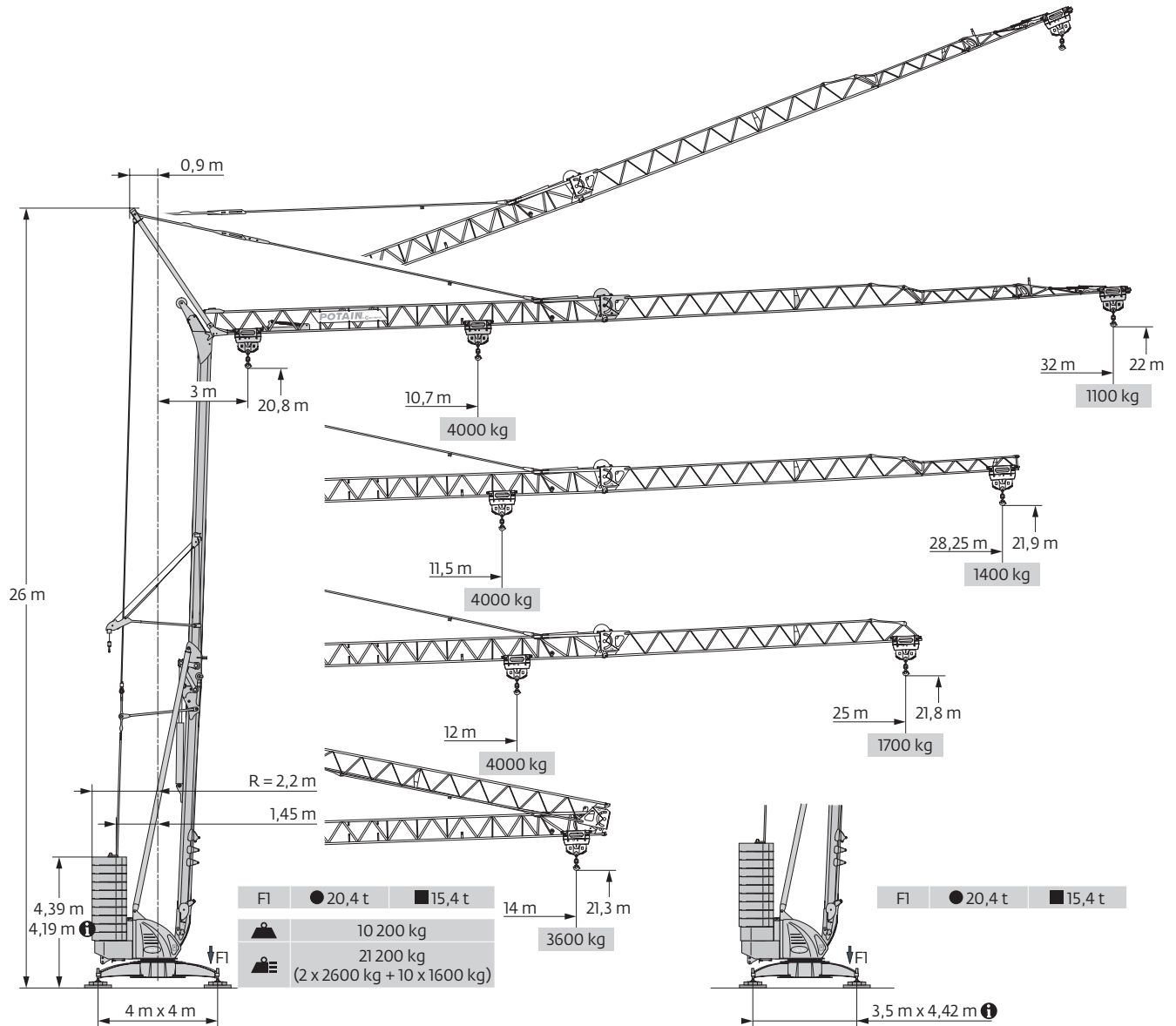
400 V - 50 Hz 480 V - 60 Hz													hp	kw
	15 LVF 10 Optima	fpm	12	59	98	177	217	6	30	49	89	108	15	11
		lb	4409	4409	4409	2205	1102	8818	8818	8818	4409	2205		
	3 DVF 5	fpm	49 - 98 - 135									3	2.2	
	RVF 41 Optima+	rpm	0 → 0.8									4	3	

 IEC 60204-32	 kVA
400 V (+10% -10%) 50 Hz 480 V (+6% -10%) 60 Hz	22 kVA

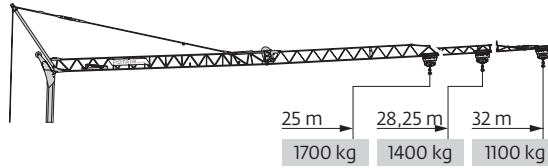
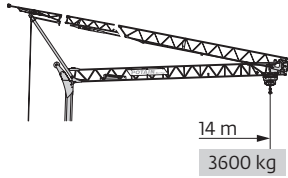


	Hoisting
	Trolleying
	Slewing
	Traveling

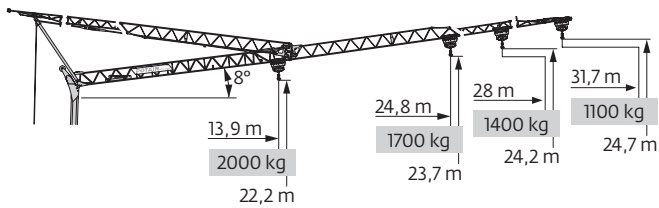
# Metric dimensions



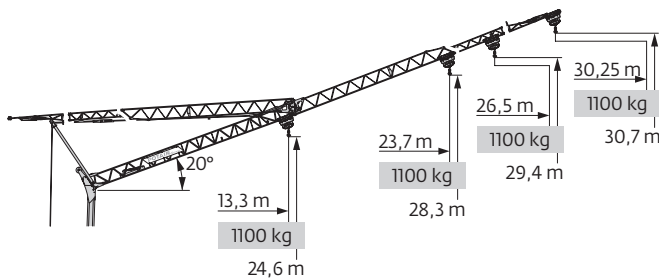
# Metric load charts



32 m	3	▶	12,87	13	14	m	10,7	11	12	13	14	15	16	17	18	18,5	19	19,5	20	22	25	27	30	32	m	
▲▲▲			4000	3950	3600	kg	4000	3870	3460	3125	2845	2610	2410	2230	2080	2000	1940	1880	1820	1615	1375	1250	1090	1000	kg	
						kg											2000	1940	1880	1820	1615	1375	1250	1090	1000	kg
						kg												2000	1940	1730	1485	1350	1190	1100		
28,25 m	3	▶	12,87	13	14	m			11,5	12	13	14	15	16	17	18	19	20	21	22	25	27	28,25	m		
▲▲▲			4000	3950	3600	kg			4000	3790	3420	3120	2860	2640	2450	2280	2135	2000	1885	1780	1520	1375	1300	kg		
						kg												2000	1885	1780	1520	1375	1300	kg		
						kg													2000	1890	1620	1480	1400	kg		
25 m	3	▶	12,87	13	14	m			12	13	14	15	16	17	18	19	20	20,8	21	21,8	23	25	m			
▲▲▲			4000	3950	3600	kg			4000	3600	3280	3010	2775	2580	2400	2250	2110	2000	1985	1895	1775	1600	kg			
						kg													2000	1985	1895	1775	1600	kg		
						kg														2000	1875	1700	kg			

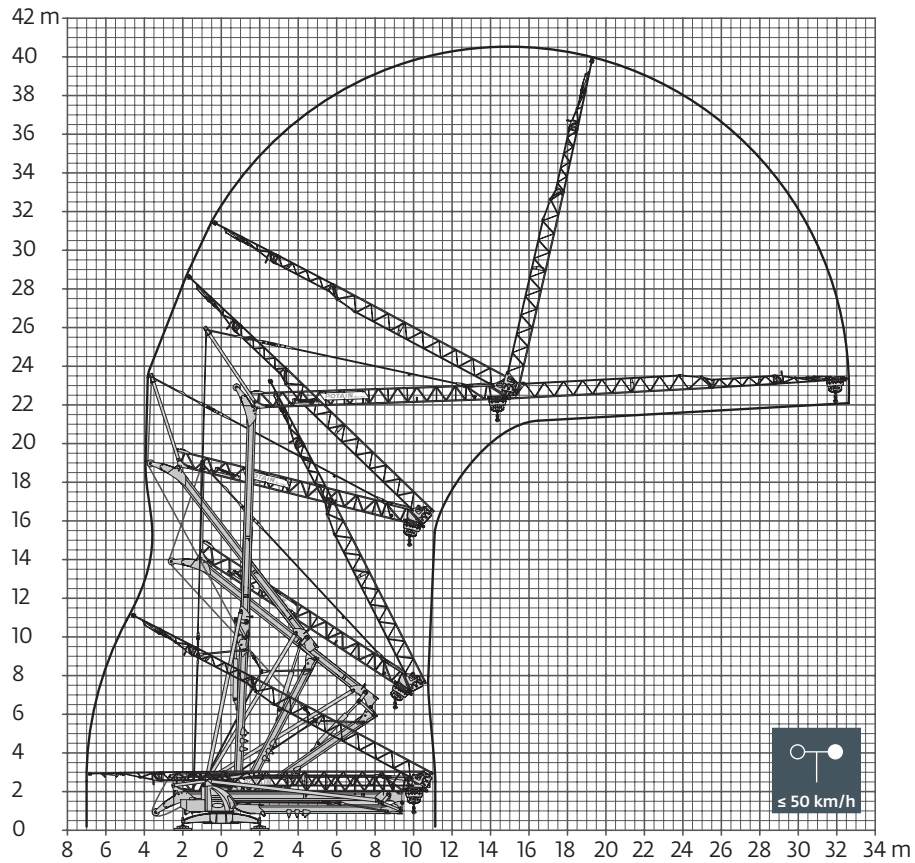


32 m	3	▶	18,3	19	19,5	21	23	25	26	28	30	31,7	m
▲▲▲			2000	1910	1845	1685	1505	1355	1290	1175	1075	1000	kg
													kg
													kg
28,25 m	3	▶	19,8	20,8	21	23	25	26	28	m			
▲▲▲			2000	1890	1860	1660	1500	1425	1300	kg			
										kg			
										kg			
25 m	3	▶	20,7	21,6	23	24,8	m						
▲▲▲			2000	1895	1755	1600	kg						
							kg						
							kg						



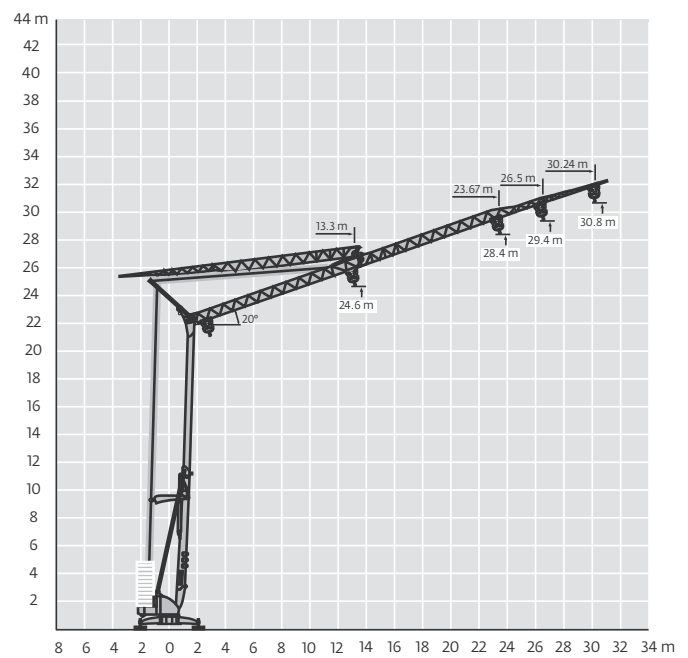
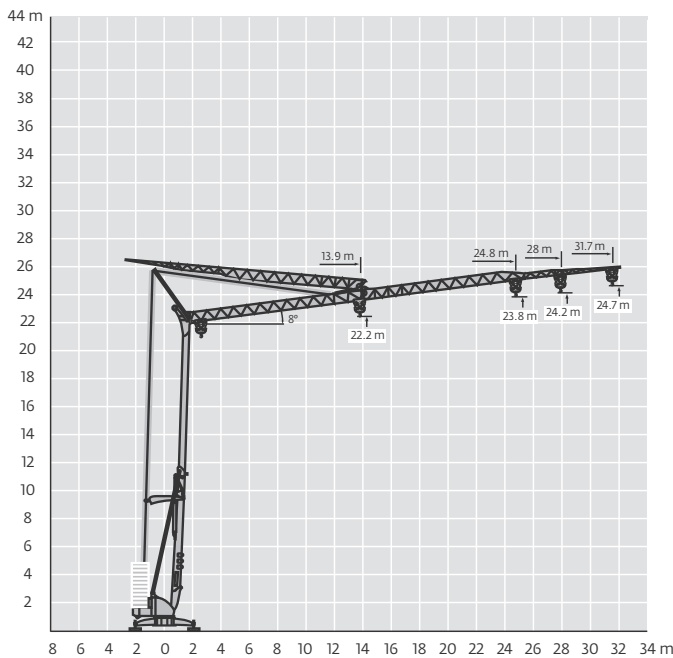
32 m	3	▶	30,25	m
▲▲▲			1000	kg
			1100	kg
28,25 m	3	▶	26,5	m
▲▲▲			1000	kg
			1100	kg
25 m	3	▶	23,7	m
▲▲▲			1000	kg
			1100	kg

# Metric crane profile and working range










Jib raised 8°

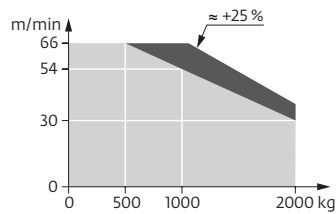
Jib raised 20°



# Metric mechanisms

400 V - 50 Hz 480 V - 60 Hz													hp	kW
	15 LVF 10 Optima	m/min	3,6	18	30	54	66	1,8	9	15	27	33	15	11
		kg	2000	2000	2000	1000	500	4000	4000	4000	2000	1000		
	3 DVF 5	m/min	15 - 30 - 41									3	2,2	
	RVF 41 Optima+	rpm	0 → 0,8									4	3	

 IEC 60204-32	 kVA
400 V (+10% -10%) 50 Hz 480 V (+6% -10%) 60 Hz	22 kVA



	Hoisting
	Trolleying
	Slewing
	Traveling

# Symbols glossary



Jib



Mast



Anemometer



Swing



Outrigger



Chassis



Hydraulic equipment



Controls



Electrical requirement



Ballast



Transport axle



Ballasting derrick



Reeving



Hoist



Trolley



Jib extension

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