

Cat[®] 8000

DRAGLINE RANGE



Specifications

Weights*

Boom Length	76.2 m	250 ft
Net Weight, domestic, approximate with bucket	1 451 000 kg	3,200,000 lb
Working Weight, approximate with bucket	1 751 000 kg	3,860,000 lb
Ballast Weight, furnished by customer	300 000 kg	660,000 lb
Boom Length	83.8 m	275 ft
Net Weight, domestic, approximate with bucket	1 474 000 kg	3,250,000 lb
Working Weight, approximate with bucket	1 792 000 kg	3,950,000 lb
Ballast Weight, furnished by customer	318 000 kg	700,000 lb
Boom Length	96 m	315 ft
Net Weight, domestic, approximate with bucket	1 587 573 kg	3,500,000 lb
Working Weight, approximate with bucket	1 973 127 kg	4,350,000 lb
Ballast Weight, furnished by customer	385 554 kg	850,000 lb

*Ballast requirements and net weight of machine varies with boom length and rated suspended load. Shipping weight subject to ±5% variance.

Electrical – 15.24 m (50 ft) Base

Hoist Motors	2 × 1230 kW	2 × 1,650 hp
Drag Motors	2 × 1230 kW	2 × 1,650 hp
Swing Motors	2 × 477 kW	2 × 640 hp
Walking Motors	Common shaft clutched off one drag motor	

Electrical – 15.6 m (51 ft) Base

Hoist Motors	2 × 1230 kW	2 × 1,650 hp
Drag Motors	2 × 1230 kW	2 × 1,650 hp
Swing Motors	4 × 373 kW	4 × 500 hp
Walking Motors	Common shaft clutched off one drag motor	

Base – 15.24 m (50 ft)

Outside Diameter	15.24 m	50 ft
Bearing Area	182.37 m ²	1,963 ft ²
Circle Rail Diameter	15.24 m	50 ft
Rollers (average diameter)	254 mm	10 in
Swing Gear (pitch diameter)	12.95 m	42 ft 6 in

Base – 15.6 m (51 ft)

Outside Diameter	15.6 m	51 ft
Bearing Area	189.8 m ²	2,043 ft ²
Circle Rail Diameter	15.24 m	50 ft
Rollers (average diameter)	260 mm	10.25 in
Swing Gear (pitch diameter)	12.95 m	42 ft 6 in

Walking Mounting – 15.24 m (50 ft) Base

Shoe Width and Length	2.7 m × 14.6 m	9 ft × 48 ft
Combined Bearing Area	80.3 m ²	864 ft ²
Overall Width Over Shoes	21.6 m	71 ft
Length of Step (approximate)	2.1 m	7 ft

Walking Mounting – 15.6 m (51 ft) Base

Shoe Width and Length	2.7 m × 16.8 m	9 ft × 55 ft
Combined Bearing Area	92 m ²	990 ft ²
Overall Width Over Shoes	21.6 m	71 ft
Length of Step (approximate)	2.1 m	7 ft

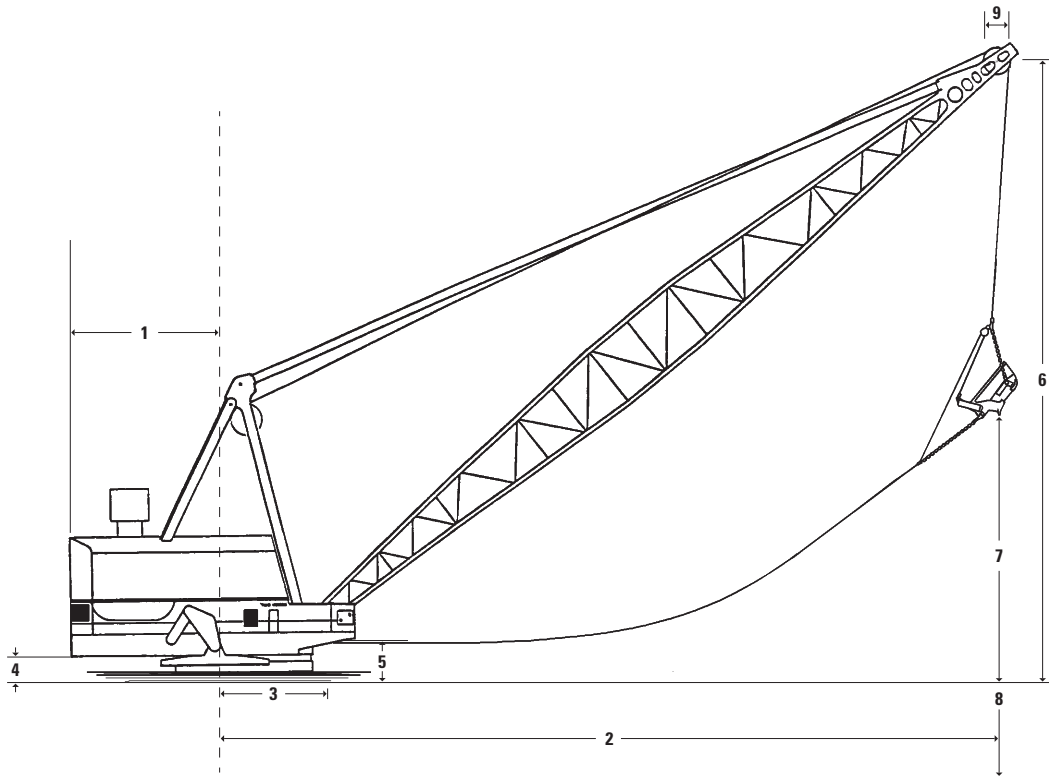
Revolving Frame – 15.24 m (50 ft) Base

Upper Machinery Frame (width × length)	13.1 m × 22.9 m	43 ft × 75 ft
Girder Depth	2.0 m	6 ft 8 in

Revolving Frame – 15.6 m (51 ft) Base

Upper Machinery Frame (width × length)	13.1 m × 23.39 m	43 ft × 76 ft 9 in
Girder Depth	2.0 m	6 ft 8 in

Dragline – 8000, Dragline Range



Dimensions (All dimensions are approximate.)

	15.24 m (50 ft) Base		15.6 m (51 ft) Base	
① Clearance Radius	16.3 m	53 ft 6 in	16.9 m	55 ft 3 in
③ Boom Foot Radius	6.2 m	20 ft 3 in	6.2 m	20 ft 3 in
④ Clearance Height	1.75 m	5 ft 9 in	2.3 m	7 ft 4 in
⑤ Boom Foot Height	4.1 m	13 ft 6 in	4.1 m	13 ft 6 in
⑨ Point Sheave Pitch Diameter	228.6 cm	90 in	228.6 cm	90 in

Boom Length*	Boom Angle	② Operating Radius	Rated Suspension Load	⑥ Boom Point Height		⑦ Dumping Height		⑧ Digging Depth		DRAG		HOIST										
				m	ft	m	ft	m	ft	Drum Diameter	Number	Rope Diameter	Drum Diameter	Number	Rope Diameter							
				m	ft	kg	lb	m	ft	m	ft	cm	in	cm	in	cm	in					
76.20	250	32	71.93	236	95 254	210,000	44.5	146	29.3	96	44.2	145	215.9	85	2	6.985	2.75	215.9	85	2	6.985	2.75
83.82	275	38	73.15	240	93 894	207,000	55.8	183	40.8	134	39.0	128	215.9	85	2	6.985	2.75	215.9	85	2	6.985	2.75
96.00	315	32	88.08	289	79 379	175,000	56.0	184	40.0	131	53.6	176	243.8	96	2	6.985	2.75	243.8	96	2	6.985	2.75

*Note that the 83.82 m (275 ft) and 96.00 m (315 ft) boom options have a mast.

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