

**MANITOWOC ENGINEERING CO.**

A Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

**LIFTING CAPACITIES** **4000W****DRAGLINE – REVOLVING FAIRLEAD –  
BOOM NO. 22 – 75,900 LB. COUNTERWEIGHT**

Capacities may be based on per cent of tipping, strength of structural components, operating speeds and other factors. However, capacities listed below do not exceed 75% of a static load required to tip machine with boom across crawlers on firm, level ground.

Weight of bucket is considered part of the load. Deduct 600 lbs. from capacities below if lower boom point sheaves are not removed. For boom lengths through 80', the full revolving fairlead may be used without an overwind. However, for 90' and 100' boom lengths, an overwind

may occur causing excessive wire rope wear. For continuous dragline service with boom lengths in excess of 80', the extended hinged fairlead is recommended.

Machine to be equipped with 24'0" extendible width crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist rigging, 4 – 1-3/8" boom pendants, 75,900 lbs. counterweight.

Boom angle figured with rope over upper boom point sheave.

**CRAWLERS EXTENDED**

Operating Radius Ft.	Boom Length – Ft.							
	70		80		90		100	
	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity
55	47.1	20,000	53.2	20,000				
60	41.5	20,000	48.8	20,000	53.9	20,000		
65	35.3	20,000	44.0	20,000	50.0	20,000	54.5	20,000
70	27.8	20,000	38.9	20,000	45.9	20,000	51.1	20,000
75			33.0	20,000	41.5	20,000	47.4	20,000
80			26.1	20,000	36.7	20,000	43.5	20,000
85					31.2	20,000	39.4	20,000
90							34.8	20,000
95							29.6	18,800

**CRAWLERS RETRACTED**

Operating Radius Ft.	Boom Length – Ft.							
	70		80		90		100	
	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity
55	47.1	20,000	53.2	20,000				
60	41.5	20,000	48.8	20,000	53.9	20,000		
65	35.3	20,000	44.0	20,000	50.0	20,000	54.5	20,000
70	27.8	20,000	38.9	20,000	45.9	20,000	51.1	20,000
75			33.0	20,000	41.5	20,000	47.4	20,000
80			26.1	20,000	36.7	20,000	43.5	20,000
85					31.2	19,600	39.4	19,000
90							34.8	17,300
95							29.6	15,800