

MODEL W-250 WRECKER CRANE RATINGS



Ratings In Pounds

MAIN HOIST – 13 PART LINE

Radius (Ft.)	Boom Angle (Degrees)	Free Capacity (Lbs.) (Note 1)	End Outriggers Extended and Set (Note 2)	All Outriggers Extended and Set (Lbs.) (Note 3)	All Outriggers Extended and Set (Lbs.) (Note 4)
17' 6"	72°	75,000	220,000	500,000	500,000
22' 0"	63°	54,000	174,000		350,000
25' 0"	58°	43,000	147,000		270,000
27' 0"	54°	37,000	130,000	300,000	240,000
28' 0"	52°	35,000	125,000		220,000
30' 0"	48°	30,000	112,000		190,000
32' 0"	43°	27,000	102,000		170,000
34' 0"	39°	24,000	93,000		145,000
36' 0"	33°	22,500	87,000	165,000	125,000
38' 0"	26°	20,000	82,000		110,000

AUXILIARY HOIST – 5 PART LINE

Radius (Ft.)	Boom Angle (Degrees)	Free Capacity (Lbs.) (Note 1)	End Outriggers Extended and Set (Note 2)	All Outriggers Extended and Set (Lbs.) (Note 4)
25' 0"	68°	52,000	120,000	160,000
30' 0"	61°	39,000	120,000	160,000
35' 0"	53°	30,000	120,000	160,000
40' 0"	44°	24,000	97,000	160,000
45' 0"	32°	19,000	81,000	115,000
49' 0"	17°	15,000	71,000	78,000

OPTIONAL WHIP HOIST – SINGLE PART LINE

Radius (Ft.)	Boom Angle (Degrees)	Free Capacity (Lbs.) (Note 1)	End Outriggers Extended and Set (Note 2)
30' 0"	64°	40,000	40,000
35' 0"	57°	32,000	40,000
40' 0"	49°	26,000	40,000
45' 0"	41°	21,000	40,000
50' 0"	31°	17,000	40,000
53' 0"	22°	14,000	40,000

CRANE RATING DATA

Radius of the load is the horizontal distance from a projection of the axis of rotation to the rail support surface, before loading, to the center of vertical hoist line or tackle with load applied.

Boom angle shall be interpreted as the angle between the center line of the boom and a horizontal line which coincides with the boom foot pin center.

All capacities are maximum safe working capacities for level track operation.

Capacities must be reduced when working on a grade or super-elevation.

Free capacities must be reduced when working on a yielding roadbed.

Note 1: Full 300° capacity with truck wedges in place (free capacity).

Note 2: Full 360° capacity with end outriggers only extended to 8' 4" from CL of track to CL of outrigger jacks.

Note 3: These loads may be handled at no more than 10" from centerline of track. (Over end carbody).

Note 4: With center outrigger extended 12' 6" from CL cribbing to CL track and all four end outriggers extended 8' 4" from CL of track to CL of outrigger jacks. Capacity through 90° angle either side of extended center outrigger.