

OVERALL DIMENSIONS

Technical drawing of a crawler crane showing overall dimensions in feet and inches. The drawing includes a front elevation and a side elevation. The front elevation shows a width of 20'-10" and a height of 28'-1". The side elevation shows a width of 23'-9" and a height of 18'-0". The drawing also shows the center of rotation and the eye level.

Front Elevation Dimensions:

- Overall Width: 20'-10"
- Width of Upper Section: 16'-10"
- Overall Height: 28'-1"
- Height of Lower Section: 4'-7"
- Width of Lower Section: 14'-11"
- Width of Track: 20'-2"
- Width of Track End: 5'-3"
- Width of Track End (Inner): 1'-9"

Side Elevation Dimensions:

- Overall Width: 23'-9"
- Overall Height: 18'-0"
- Height of Upper Section: 6'-3 1/2"
- Height of Lower Section: 14'-8"
- Height of Track: 9'-10"
- Height of Track End: 2'-2"
- Height of Track End (Inner): 5'-2"
- Height of Track End (Outer): 6'-4"
- Height of Track End (Outer): 5'-6"

Other Labels:

- CENTER OF ROTATION
- Eye Level

CENTER OF ROTATION



Capacities given in tables below are based on 66-2/3% of tipping load and machine equipped with: Long crawler, Standard dragline-clamshell boom, Standard 40'-0" mast, pendent suspension of boom to mast. Maximum counterweight (52,000 lbs.). Minimum working radius with mast and pendent suspension 59'-0" with 80'-0" boom to 94'-0" with 150'-0" boom. For clamshell operation from 20° to 80° boom angle requires use of pendent and slings, omitting mast. Clamshell boom over 120'-0" length requires addition of center boom suspension.

WORKING CAPACITIES — TYPE 2400 DRAGLINE

Load Rad.	BOOM LENGTHS AND BOOM ANGLES									
	80'-0"	90'-0"	100'-0"	110'-0"	120'-0"	130'-0"	140'-0"	150'-0"	160'-0"	170'-0"
50'	41,900	49								
55'	41,900	44	50							
60'	41,900	39	46							
65'	41,900	33	42	48						
70'	41,900	23	37	44						
75'	41,900		29	39	45					
80'	41,900			35	42					
85'				29	38					
90'					33					
95'										
100'										
105'										
110'										
115'										
120'										
125'										
130'										
135'										

WORKING CAPACITIES — TYPE 2400 CLAMSHELL - CRANE

Load Rad.	BOOM LENGTHS AND BOOM ANGLES									
	80'-0"	90'-0"	100'-0"	110'-0"	120'-0"	130'-0"	140'-0"	150'-0"	160'-0"	170'-0"
45'	100,750	62	100,450	66	87,450	65	87,150	67	76,550	69
50'	88,050	58	87,750	62	77,450	58	77,150	64	68,450	66
55'	78,050	54	77,750	58	69,050	55	68,750	62	61,900	64
60'	69,050	49	68,650	54	62,500	51	62,200	59	56,175	61
65'	63,375	44	63,075	50	57,050	48	56,750	56	51,400	59
70'	57,625	39	57,325	46	52,250	44	51,950	52	47,300	56
75'	52,800	33	52,500	42	48,100	39	47,825	49	43,650	54
80'	48,375	23	48,075	37	44,450	35	44,175	45	40,300	51
85'	44,725		44,425	29	41,100	33	40,825	42	37,525	49
90'	41,650		41,350	22	38,050	29	37,750	40	35,025	45
95'			38,600		35,550	26	35,250	36	32,775	43
100'			36,100	23	33,325	23	33,025	34	30,775	40
105'					31,575		31,275	32	28,950	38
110'							29,475	27	27,000	36
115'							27,800	21	25,750	34
120'									24,325	32
125'									23,100	30
130'										
135'										

NOTE: In order to maintain normal operating speeds under simultaneous loading and swinging conditions, the loaded clamshell bucket weight should not exceed 38,000 lbs.