



TRUCK CRANES T 780

DATA SHEET - IMPERIAL

T 780



- ▶ 80 T Maximum Lifting Capacity
- ▶ 126 ft Maximum Boom Length
- ▶ 133 ft Maximum Tip Height
- Engine Configurations up to 500 hp
- ▶ Automatic and Manual Transmission Options
- Air-ride Suspension
- Travel Speeds up to 65 mph

WORKS FOR YOU.



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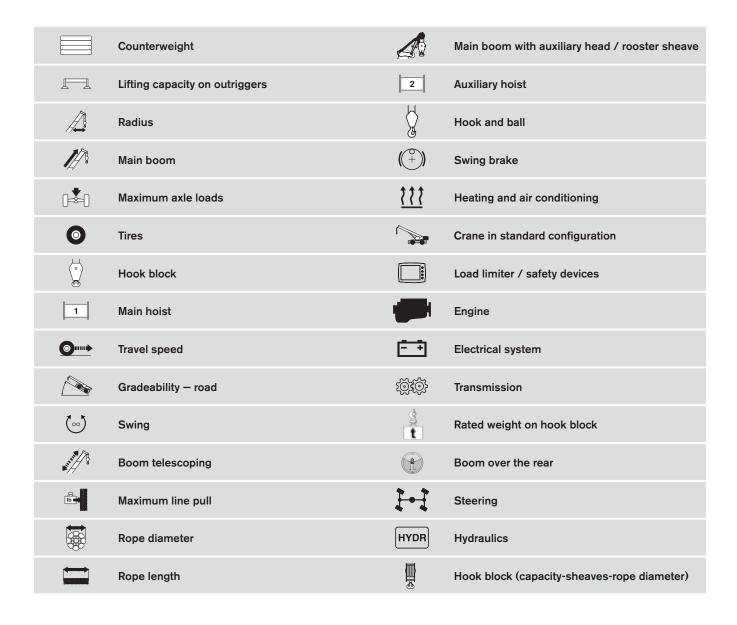
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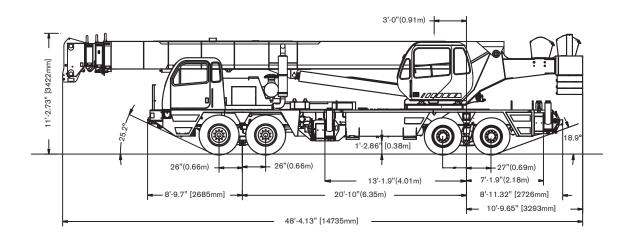


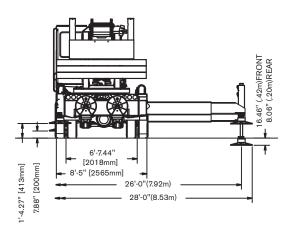
KEY T 780



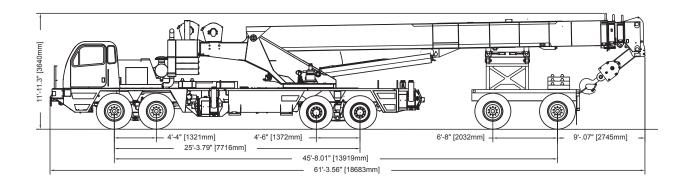


CRANE DIMENSIONS





BOOM TRANSPORT DOLLY DIMENSIONS







SPECIFICATIONS

T 780

Weight And Axle Load Chart: Boom In Front Travel Position

lcon	Configuration	Front Axle Load 48,000 Lbs Max	Rear Axle Load 60,000 Lbs Max	Gross Vehicle Weight
	Crane with 1/4 tank fuel 200 lb Operator seated in cab Front Tires: 445/65 20PR Rear Tires: 315/80 22.5 20PR 126 ft Boom/No Jib 2850 lb rear counterweight	36,781	44,474	81,255
	Counterweight Additions:			
	2,000 lb semi-permanent rear & 1,000 lb front bumper	+ 647	+ 2,374	+ 3,020
	2,000 lb removable on rear	- (904)	+ 2,904	+ 2,000
	4,000 lb removable on rear	- (1,807)	+ 5,807	+ 4,000
	2,000 lb removable on carrier deck	+ 1,485	+ 515	+ 2,000
	4,000 lb removable on carrier deck	+ 2,969	+ 1,031	+ 4,000
	Other Additions:			
	Full Tank of Fuel	+ 244	+ 301	+ 545
2	Auxiliary hoist w/drum roller and 600 ft of 16x9 class wire rope	- (18)	+ 102	+ 84
	Spin resistant wire rope – main hoist	- (31)	+ 127	+ 96
	Spin resistant wire rope – auxiliary hoist	- (42)	+ 138	+ 96
==	Electric remote control	+ 100	+ 100	+ 200
	32 ft swing-on jib	+ 1,393	- (123)	+ 1,270
	32 ft to 57 ft extenable swing-on jib	+ 2,262	- (92)	+ 2,170
	Auxiliary boom head	+ 227	- (102)	+ 125
t	80 T hook block on bumper 5 sheave, quick reeving	+ 2,569	- (961)	+ 1,608
t	12 T hook block on bumper	+ 669	- (250)	+ 419

15,000 lb Counterweight Package Consists of:

one 2,850 lb rear superstructure fixed weight one 1,000 lb front bumper semi-fixed weight

one 2,000 lb semi-fixed weight one 2,000 lb removable weight

two 4,000 lb removable weight

DO NOT add additional counterweight



SPECIFICATIONS

Weight And Axle Load Chart: With Dolly and Boom Over Rear

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Icon	Configuration	Front Axle Load 48,000 Lbs Max	Rear Axle Load 60,000 Lbs Max	Dolly	Gross Vehicle Weight
	Crane w/ 1/4 tank fuel 200 lb Operator seated in Cab Front Tires: 445/65 20PR Rear Tires: 315/80 22.5 20PR 126 ft Boom/No Jib 2850 lb rear counterweight	29,162	37,299	20,614	87,075
	Counterweight Additions:				
	2,000 lb semi-permanent rear & 1,000 lb front bumper	+ 3,059	- (39)	+ 0	+ 3,020
	2,000 lb removable on rear	+ 1,485	+ 515	+ 0	+ 2,000
	4,000 lb removable on rear	+ 2,970	+ 1,030	+ 0	+ 4,000
	2,000 lb removable on carrier deck	+ 1,485	+ 515	+ 0	+ 2,000
	4,000 lb removable on carrier deck	+ 2,970	+ 1,030	+ 0	+ 4,000
00	4,000 lb removable on dolly	+ 0	+ 0	+ 4,000	+ 4,000
	Other Additions:				
	Full Tank of Fuel	+ 244	+ 301	+ 0	+ 545
2	Auxiliary hoist w/drum roller and 600 ft of 16x9 class wire rope	+ 43	+ 41	+ 0	+ 84
	Spin resistant wire rope – main hoist	+ 59	+ 37	+ 0	+ 96
	Spin resistant wire rope – auxiliary hoist	+ 70	+ 26	+ 0	+ 96
= +	Electric remote control	+ 100	+ 100	+ 0	+ 200
	32 ft swing-on jib	+ 13	+ 18	+ 1,239	+ 1,270
	32 ft to 57 ft extenable swing-on jib	+ 62	+ 86	+ 2,022	+ 2,170
	Auxiliary boom head	- (43)	- (60)	+ 228	+ 125
ğ.	80 T hook block on bumper 5 sheave, quick reeving	- (27)	- (37)	+ 1,672	+ 1,608
ŧ	12 T hook block on bumper	- (7)	- (10)	+ 436	+ 419

15,000 lb Counterweight Package Consists of:

one 2,850 lb rear superstructure fixed weight one 1,000 lb front bumper semi-fixed weight

one 2,000 lb semi-fixed weight one 2,000 lb removable weight

two 4,000 lb removable weight DO NOT add additional counterweight

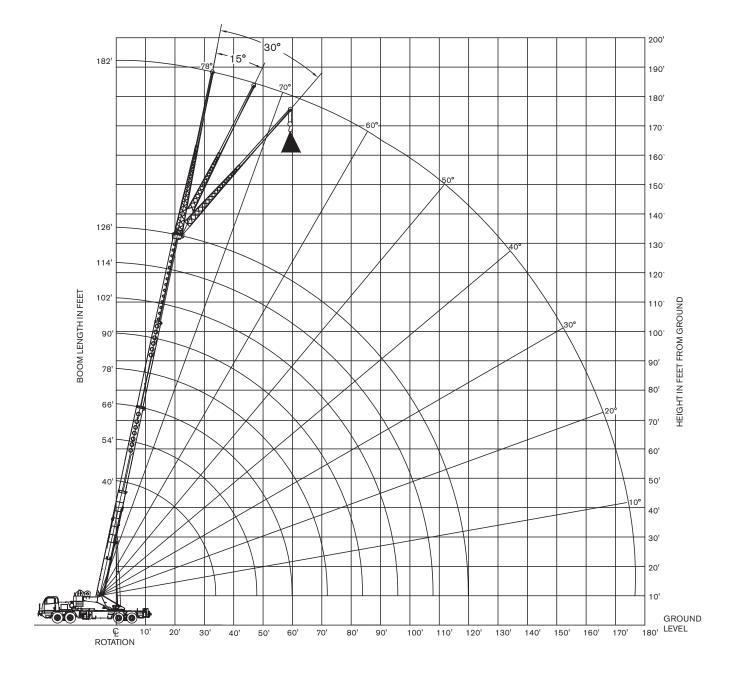


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RANGE DIAGRAM

T 780





	15,000 lb		100%	(×	360°	40	to 126 ft	ASME S B 30.5	Standard
Ā				Boom L	ength (ft)				Ā
/ /~ *	40	54	66	78	90	102	114	126	// *
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	160,000	102,500							10
12	125,600	102,500							12
15	108,900	100,500	80,600						15
20	83,800	84,800	71,900	62,200	56,200				20
25	65,500	66,500	64,800	55,700	48,000	41,900	04.500		25
30	52,200	53,600	54,000	49,700	41,700	36,400	31,500	0.4.700	30
35 40		40,900	41,500	41,700	36,600	32,100	29,500	24,700	35
45		32,500 26,400	33,100 27,100	33,400 27,400	32,900 27,600	28,600 25,700	26,200 23,500	24,600 22,100	40 45
50		19,000	22,500	22,900	23,100	23,300	21,400	20,000	50
55		19,000	19,000	19,400	19,700	19,800	19,500	18,200	55
60			10,000	16,600	16,800	17,000	17,100	16,600	60
65				14,200	14,500	14,700	14,800	14,900	65
70				,255	12,600	12,800	12,900	13,000	70
75					11,000	11,100	11,300	11,400	75
80					9,500	9,800	9,900	10,000	80
85						8,500	8,700	8,800	85
90						7,500	7,700	7,700	90
95						6,500	6,700	6,800	95
100							5,800	6,000	100
105							5,000	5,200	105
110								4,500	110
115								3,900	115
	1								
	15 000 lb		100%		Over Rear	17 4	0 to 126 ft		Standard
	15,000 lb		100%		Over Rear	1 4	0 to 126 ft	ASME S B 30.5	Standard
	15,000 lb		100%		Over Rear ength (ft)	/ // 4	0 to 126 ft		Standard
	15,000 lb	54	100%			102	0 to 126 ft		Standard
ft		54 Ib		Boom L	ength (ft)	• /7		B 30.5	Standard
10	40 Ib 160,000	lb 102,500	66	Boom L	ength (ft)	102	114	B 30.5	ft 10
10 12	40 Ib 160,000 125,600	Ib 102,500 102,500	66 Ib	Boom L	ength (ft)	102	114	B 30.5	ft 10 12
10 12 15	40 Ib 160,000 125,600 108,900	Ib 102,500 102,500 100,500	66 Ib	Boom Lo	ength (ft) 90 Ib	102	114	B 30.5	ft 10 12 15
10 12 15 20	40 Ib 160,000 125,600 108,900 84,500	Ib 102,500 102,500 100,500 85,300	66 Ib 80,600 71,900	78 Ib	90 Ib 56,200	102	114	B 30.5	ft 10 12 15 20
10 12 15 20 25	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500	66 Ib 80,600 71,900 64,800	78 Ib 62,200 55,700	90 Ib 56,200 48,000	102 Ib	114 lb	B 30.5	ft 10 12 15 20 25
10 12 15 20 25 30	40 Ib 160,000 125,600 108,900 84,500	1b 102,500 102,500 100,500 85,300 66,500 53,600	80,600 71,900 64,800 54,000	78 Ib 62,200 55,700 49,700	90 Ib 56,200 48,000 41,700	102 Ib 41,900 36,400	114 Ib	126	ft 10 12 15 20 25 30
10 12 15 20 25 30 35	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900	80,600 71,900 64,800 54,000 41,500	78 Ib 62,200 55,700 49,700 41,700	90 Ib 56,200 48,000 41,700 36,600	102 Ib 41,900 36,400 32,100	114 Ib 31,500 29,500	126 Ib	ft 10 12 15 20 25 30 35
10 12 15 20 25 30 35 40	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100	62,200 55,700 49,700 41,700 33,400	90 Ib 56,200 48,000 41,700 36,600 32,900	102 Ib 41,900 36,400 32,100 28,600	31,500 29,500 26,200	126 Ib	ft 10 12 15 20 25 30 35 40
10 12 15 20 25 30 35 40 45	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900	80,600 71,900 64,800 54,000 41,500 33,100 27,100	62,200 55,700 49,700 41,700 33,400 27,400	56,200 48,000 41,700 36,600 32,900 27,600	102 Ib 41,900 36,400 32,100 28,600 25,700	31,500 29,500 26,200 23,500	B 30.5 126 Ib 24,700 24,600 22,100	ft 10 12 15 20 25 30 35 40 45
10 12 15 20 25 30 35 40 45 50	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900	56,200 48,000 41,700 36,600 32,900 27,600 23,100	102 Ib 41,900 36,400 32,100 28,600 25,700 23,300	31,500 29,500 26,200 23,500 21,400	126 Ib 24,700 24,600 22,100 20,000	ft 10 12 15 20 25 30 35 40 45 50
10 12 15 20 25 30 35 40 45 50	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700	102 Ib 41,900 36,400 32,100 28,600 25,700 23,300 19,800	31,500 29,500 26,200 23,500 21,400 19,500	126 Ib 24,700 24,600 22,100 20,000 18,200	ft 10 12 15 20 25 30 35 40 45 50 55
10 12 15 20 25 30 35 40 45 50	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000	31,500 29,500 26,200 23,500 21,400 19,500 17,100	126 Ib 24,700 24,600 22,100 20,000	ft 10 12 15 20 25 30 35 40 45 50
10 12 15 20 25 30 35 40 45 50 55 60	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800	24,700 24,600 22,100 20,000 18,200 16,600	ft 10 12 15 20 25 30 35 40 45 50 55 60
10 12 15 20 25 30 35 40 45 50 55 60 65	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000	31,500 29,500 26,200 23,500 21,400 19,500 17,100	24,700 24,600 22,100 20,000 18,200 16,600 14,900	ft 10 12 15 20 25 30 35 40 45 50 55 60 65
10 12 15 20 25 30 35 40 45 50 55 60 65 70	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500 12,600	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700 12,800	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800 12,900	24,700 24,600 22,100 20,000 18,200 16,600 14,900 13,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500 12,600 11,000	102 1b 41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700 12,800 11,100	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800 12,900 11,300	24,700 24,600 22,100 20,000 18,200 16,600 14,900 13,000 11,400	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500 12,600 11,000	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700 12,800 11,100 9,800	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800 12,900 11,300 9,900	24,700 24,600 22,100 20,000 18,200 16,600 14,900 13,000 11,400 10,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500 12,600 11,000	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700 12,800 11,100 9,800 8,500	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800 12,900 11,300 9,900 8,700 7,700 6,700	24,700 24,600 22,100 20,000 18,200 16,600 14,900 13,000 11,400 10,000 8,800 7,700 6,800	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85
10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500 12,600 11,000	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700 12,800 11,100 9,800 8,500 7,500	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800 12,900 11,300 9,900 8,700 7,700 6,700 5,800	24,700 24,600 22,100 20,000 18,200 14,900 13,000 11,400 10,000 8,800 7,700 6,800 6,000	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500 12,600 11,000	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700 12,800 11,100 9,800 8,500 7,500	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800 12,900 11,300 9,900 8,700 7,700 6,700	24,700 24,600 22,100 20,000 18,200 14,900 13,000 11,400 10,000 8,800 7,700 6,800 6,000 5,200	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100 105
10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95	40 Ib 160,000 125,600 108,900 84,500 65,500	1b 102,500 102,500 100,500 85,300 66,500 53,600 40,900 32,500	80,600 71,900 64,800 54,000 41,500 33,100 27,100 22,500	62,200 55,700 49,700 41,700 33,400 27,400 22,900 19,400 16,600 14,200	56,200 48,000 41,700 36,600 32,900 27,600 23,100 19,700 16,800 14,500 12,600 11,000	41,900 36,400 32,100 28,600 25,700 23,300 19,800 17,000 14,700 12,800 11,100 9,800 8,500 7,500	31,500 29,500 26,200 23,500 21,400 19,500 17,100 14,800 12,900 11,300 9,900 8,700 7,700 6,700 5,800	24,700 24,600 22,100 20,000 18,200 14,900 13,000 11,400 10,000 8,800 7,700 6,800 6,000	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100



Notes to lifting capacity



T 780

15,000 lb		100%	(w)	360°	ASME Standard B 30.5
		33 ft Jib w	ith Pullout		
0°	•	1:	15°		o°
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs
40	12,500	51	8,500	56	6,400
47	12,000	56	8,100	61	6,200
53	11,500	62	7,800	67	6,100
59	10,900	67	7,500	72	5,900
68	9,900	75	7,100	79	5,900
76	9,200	82	6,700	86	5,600
83	8,900	89	6,400	93	5,400
90	7,900	96	6,200	99	5,300
99	6,800	104	5,900	107	5,200
106	5,700	111	5,300	114	5,100
113	4,700	118	4,500	121	4,500
120	3,900	125	3,800	126	3,700
127	3,100	132	3,100	132	3,000
135	2,400	139	2,400	138	2,400
143	1,800	145	1,700		
150	1,300	150	1,300		
152	1,100				
15,000 lb		100%	(w)	360°	ASME Standard B 30.5

		57 ft Jib w	ith Pullout			
0	0°		5°	30°		
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs	
49	6,500	65	4,500	76	3,300	
56	6,400	71	4,300	81	3,200	
63	6,200	77	4,100	87	3,100	
70	6,000	83	3,900	92	3,000	
80	5,400	92	3,700	100	2,900	
89	4,900	100	3,500	107	2,800	
98	4,500	108	3,300	114	2,700	
106	4,200	115	3,100	121	2,600	
116	3,800	124	2,900	129	2,500	
126	3,500	132	2,800	136	2,500	
134	3,300	140	2,700	143	2,400	
142	3,100	147	2,600	149	2,400	
150	2,500	154	2,300	156	2,300	
159	1,900	162	1,800	162	1,800	
167	1,400	169	1,400			
173	1,000	174	1,000			
177	800					

Notes to lifting capacity



15,000 lb	Over Rear	ASME Standard B 30.5
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Boom		Boom Travel Speed				
Radius	Length	0 mph	Creep	2.5 mph		
ft	ft	lb	lb	lb		
10	40	53,700	38,700	31,200		
12	40	49,300	35,300	28,400		
15	40	43,800	31,100	24,700		
20	40	33,000	25,500	19,900		
25	54	23,400	21,100	16,300		
30	54	17,700	17,700	13,300		
35	54	13,700	13,700	10,900		
40	66	11,100	11,100	9,300		
45	66	8,900	8,900	7,900		
50	66	7,200	7,200	6,700		
55	78	5,800	5,800	5,700		
60	78	4,600	4,600	4,600		
65	78	3,700	3,700	3,700		
70	90	3,000	3,000	3,000		
75	90	2,400	2,400	2,400		
80	90	1.800	1.800	1.800		





T 780

	11,000 lb		100%) 360°	40	to 126 ft	ASME S B 30.5	Standard
Źī				Boom Lo	ength (ft)				
	40	54	66	78	90	102	114	126	// \$
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	160,000	102,500							10
12	125,600	102,500							12
15	108,900	100,500	80,600						15
20	82,000	83,100	71,900	62,200	56,200	44.000			20
25	63,400	64,500	64,800	55,700	48,000	41,900	04.500		25
30 35	49,000	50,400	50,800 38,900	49,700 39,200	41,700 36,600	36,400	31,500	04700	30 35
40		38,400 30,300	30,900	39,200	30,600	32,100 28,600	29,500 26,200	24,700 24,600	40
45		24,600	25,200	25,600	25,700	25,700	23,500	22,100	45
50		24,000	20,900	21,300	21,500	21,600	21,400	20,000	50
55			17,500	17,900	18,100	18,200	18,300	18,200	55
60			1.,000	15,100	15,400	15,500	15,600	15,700	60
65				12,800	13,100	13,300	13,400	13,400	65
70				11,000	11,300	11,400	11,500	11,600	70
75					9,700	9,900	10,000	10,100	75
80					8,300	8,500	8,700	8,800	80
85						7,400	7,500	7,600	85
90						6,400	6,500	6,600	90
95						5,500	5,600	5,800	95
100							4,900	5,000	100
105							4,100	4,300	105
110								3,600	110
115								3,100	115
	11,000 lb		100%		Over Rear	1/3 4	0 to 126 ft	ASME S B 30.5	Standard
	11,000 lb		100%		Over Rear	<i>II</i> 40	0 to 126 ft		Standard
	11,000 lb	54	100%		_	102	0 to 126 ft		Standard
ft		54		Boom L	ength (ft)	4 // ·		B 30.5	Standard ft
	40		66	Boom Lo	ength (ft) 90	102	114	B 30.5	
ft	40 Ib	lb	66	Boom Lo	ength (ft) 90	102	114	B 30.5	- <u>A</u>
ft	40 Ib 160,000	Ib 102,500	66	Boom Lo	ength (ft) 90	102	114	B 30.5	ft 10
ft 10 12 15 20	40 Ib 160,000 125,600 108,900 82,000	Ib 102,500 102,500 100,500 83,100	66 Ib 80,600 71,900	78 Ib	90 Ib	102	114	B 30.5	ft 10 12 15 20
ft 10 12 15 20 25	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500	66 Ib 80,600 71,900 64,800	78 Ib 62,200 55,700	90 Ib 56,200 48,000	102 Ib	114 lb	B 30.5	ft 10 12 15 20 25
ft 10 12 15 20 25 30	40 Ib 160,000 125,600 108,900 82,000	1b 102,500 102,500 100,500 83,100 64,500 50,400	80,600 71,900 64,800 50,800	78 Ib 62,200 55,700 49,700	90 Ib 56,200 48,000 41,700	102 Ib 41,900 36,400	114 Ib	126 Ib	ft 10 12 15 20 25 30
ft 10 12 15 20 25 30 35	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400	80,600 71,900 64,800 50,800 38,900	78 Ib 62,200 55,700 49,700 39,200	90 Ib 56,200 48,000 41,700 36,600	102 Ib 41,900 36,400 32,100	114 Ib 31,500 29,500	126 Ib	ft 10 12 15 20 25 30 35
ft 10 12 15 20 25 30 35 40	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900	78 Ib 62,200 55,700 49,700 39,200 31,200	90 Ib 56,200 48,000 41,700 36,600 31,400	102 Ib 41,900 36,400 32,100 28,600	31,500 29,500 26,200	B 30.5 126 Ib 24,700 24,600	ft 10 12 15 20 25 30 35 40
ft 10 12 15 20 25 30 35 40 45	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400	80,600 71,900 64,800 50,800 38,900 30,900 25,200	62,200 55,700 49,700 39,200 31,200 25,600	56,200 48,000 41,700 36,600 31,400 25,700	102 Ib 41,900 36,400 32,100 28,600 25,700	31,500 29,500 26,200 23,500	B 30.5 126 Ib 24,700 24,600 22,100	ft 10 12 15 20 25 30 35 40 45
ft 10 12 15 20 25 30 35 40 45 50	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300	56,200 48,000 41,700 36,600 31,400 25,700 21,500	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600	31,500 29,500 26,200 23,500 21,400	B 30.5 126 Ib 24,700 24,600 22,100 20,000	ft 10 12 15 20 25 30 35 40 45 50
ft 10 12 15 20 25 30 35 40 45 50 55	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300	31,500 29,500 26,200 23,500 21,400 18,400	24,700 24,600 22,100 20,000 18,200	ft 10 12 15 20 25 30 35 40 45 50 55
ft 10 12 15 20 25 30 35 40 45 50 55 60	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700	31,500 29,500 26,200 23,500 21,400 18,400 15,800	24,700 24,600 22,100 20,000 18,200 15,800	ft 10 12 15 20 25 30 35 40 45 50 55 60
ft 10 12 15 20 25 30 35 40 45 50 55	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500	31,500 29,500 26,200 23,500 21,400 18,400 15,800 13,600	24,700 24,600 22,100 20,000 18,200	ft 10 12 15 20 25 30 35 40 45 50 55
ft 10 12 15 20 25 30 35 40 45 50 55 60 65	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700	31,500 29,500 26,200 23,500 21,400 18,400 15,800	24,700 24,600 22,100 20,000 18,200 15,800 13,700	ft 10 12 15 20 25 30 35 40 45 50 55 60 65
ft 10 12 15 20 25 30 35 40 45 50 65 70	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700	31,500 29,500 26,200 23,500 21,400 18,400 15,800 13,600 11,800	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70
ft 10 12 15 20 25 30 35 40 45 50 65 70 75	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700 5,900	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900 6,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600 6,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700 5,900 5,100	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900 6,000 5,200	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100 105	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600 6,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700 5,900	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900 6,000 5,200 4,500	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100 105
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100	40 Ib 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600 6,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700 5,900 5,100	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900 6,000 5,200	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.



11,000 lb	Over Rear	ASME Standard B 30.5
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В	oom	Travel Speed			
Radius	Length	0 mph	Creep	2.5 mph	
ft	ft	lb	lb	lb	
10	40	56,000	41,000	33,500	
12	40	51,500	37,500	30,500	
15	40	45,500	33,000	26,700	
20	40	29,500	27,200	21,700	
25	54	21,100	21,100	17,800	
30	54	16,000	16,000	14,700	
35	54	12,600	12,600	12,100	
40	66	9,700	9,700	9,700	
45	66	7,500	7,500	7,500	
50	66	5,900	5,900	5,900	
55	78	4,800	4,800	4,800	
60	78	4,000	4,000	4,000	
65	78	3,300	3,300	3,300	
70	90	2,800	2,800	2,800	
75	90	2.100	2.100	2.100	





T 780

	7,000 lb		100%	(~) 360°	40	to 126 ft	ASME S B 30.5	Standard
Źī				Boom L	ength (ft)				
	40	54	66	78	90	102	114	126	/ /_ 3
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	149,300	102,500							10
12	125,600	102,500							12
15	106,300	100,500	80,600						15
20	79,600	80,600	71,900	62,200	56,200				20
25	61,500	62,500	63,100	55,700	48,000	41,900	04 500		25
30 35	44,600	46,000 34,900	46,400 35,400	46,700 35,600	41,700 35,800	36,400	31,500	0.4.700	30 35
40		27,400	28,000	28,300	28,500	32,100 28,600	29,500 26,200	24,700 24,600	40
45		22,000	22,700	23,000	23,200	23,300	23,400	22,100	45
50		22,000	18,700	19,100	19,300	19,400	19,500	19,600	50
55			15,500	15,900	16,100	16,300	16,300	16,400	55
60			.,	13,200	13,500	13,900	13,700	13,800	60
65				11,100	11,400	11,900	11,600	11,700	65
70				9,300	9,600	10,200	9,900	10,000	70
75					8,100	8,700	8,400	8,500	75
80					6,900	7,500	7,200	7,300	80
85						6,400	6,100	6,200	85
90						5,500	5,200	5,300	90
95						4,600	4,400	4,500	95
100							3,600	3,700	100
105							2,900	3,100	105
110								2,500	110
115								2,000	115
	7,000 lb		100%		Over Rear	1 4	0 to 126 ft	ASME S B 30.5	Standard
	7,000 lb		100%	Boom L	Over Rear ength (ft)	<i>III</i> 4	0 to 126 ft		Standard
	7,000 lb	54	100%	Boom L	_	102	0 to 126 ft		Standard
ft	40				ength (ft)	4 //		B 30.5	
		54 Ib 102,500	66	78	ength (ft)	102	114	B 30.5	Standard ft 10
ft	40 Ib	lb	66	78	ength (ft)	102	114	B 30.5	- <u>A</u>
ft 10	40 Ib 160,000	lb 102,500	66	78	ength (ft)	102	114	B 30.5	ft 10
ft 10 12	40 Ib 160,000 125,600 108,900 79,600	lb 102,500 102,500 100,500 80,600	66 Ib 80,600 71,900	78 Ib	90 Ib 56,200	102	114	B 30.5	ft 10 12
ft 10 12 15 20 25	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500	66 Ib 80,600 71,900 63,100	78 Ib 62,200 55,700	90 Ib 56,200 48,000	102 Ib	114 lb	B 30.5	ft 10 12 15 20 25
ft 10 12 15 20 25 30	40 Ib 160,000 125,600 108,900 79,600	1b 102,500 102,500 100,500 80,600 62,500 46,000	80,600 71,900 63,100 46,400	78 Ib 62,200 55,700 46,700	90 Ib 56,200 48,000 41,700	102 Ib 41,900 36,400	114 Ib	126	ft 10 12 15 20 25 30
ft 10 12 15 20 25 30 35	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900	80,600 71,900 63,100 46,400 35,400	78 Ib 62,200 55,700 46,700 35,600	90 Ib 56,200 48,000 41,700 35,800	102 Ib 41,900 36,400 32,100	114 Ib 31,500 29,500	126 Ib	ft 10 12 15 20 25 30 35
ft 10 12 15 20 25 30 35 40	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000	78 1b 62,200 55,700 46,700 35,600 28,300	90 Ib 56,200 48,000 41,700 35,800 28,500	102 Ib 41,900 36,400 32,100 28,600	31,500 29,500 26,200	B 30.5 126 Ib 24,700 24,600	ft 10 12 15 20 25 30 35 40
ft 10 12 15 20 25 30 35 40 45	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900	80,600 71,900 63,100 46,400 35,400 28,000 22,700	62,200 55,700 46,700 35,600 28,300 23,000	90 Ib 56,200 48,000 41,700 35,800 28,500 23,200	102 Ib 41,900 36,400 32,100 28,600 23,300	31,500 29,500 26,200 23,400	B 30.5 126 Ib 24,700 24,600 22,100	ft 10 12 15 20 25 30 35 40 45
ft 10 12 15 20 25 30 35 40 45 50	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100	56,200 48,000 41,700 35,800 28,500 23,200 19,300	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400	31,500 29,500 26,200 23,400 19,500	B 30.5 126 1b 24,700 24,600 22,100 19,600	ft 10 12 15 20 25 30 35 40 45 50
ft 10 12 15 20 25 30 35 40 45 50 55	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300	31,500 29,500 26,200 23,400 19,500 16,400	24,700 24,600 22,100 19,600 16,500	ft 10 12 15 20 25 30 35 40 45 50 55
ft 10 12 15 20 25 30 35 40 45 50 55 60	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900	31,500 29,500 26,200 23,400 19,500 16,400 14,000	24,700 24,600 22,100 19,600 16,500 14,100	ft 10 12 15 20 25 30 35 40 45 50 55 60
ft 10 12 15 20 25 30 35 40 45 50 55	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300	31,500 29,500 26,200 23,400 19,500 16,400 14,000	24,700 24,600 22,100 19,600 16,500 14,100	ft 10 12 15 20 25 30 35 40 45 50 55
ft 10 12 15 20 25 30 35 40 45 50 55 60 65	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900	31,500 29,500 26,200 23,400 19,500 16,400 14,000	24,700 24,600 22,100 19,600 16,500 14,100	ft 10 12 15 20 25 30 35 40 45 50 55 60 65
ft 10 12 15 20 25 30 35 40 45 50 65 70	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700 10,000	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900 10,200	31,500 29,500 26,200 23,400 19,500 16,400 14,000 12,000 10,300	24,700 24,600 22,100 19,600 16,500 14,100 12,100 10,400	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70
ft 10 12 15 20 25 30 35 40 45 50 65 70 75	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700 10,000 8,500	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900 10,200 8,700	31,500 29,500 26,200 23,400 19,500 16,400 14,000 12,000 10,300 8,900	24,700 24,600 22,100 19,600 16,500 14,100 12,100 10,400 9,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700 10,000 8,500	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900 10,200 8,700 7,500	31,500 29,500 26,200 23,400 19,500 16,400 14,000 12,000 10,300 8,900 7,600	24,700 24,600 22,100 19,600 16,500 14,100 12,100 10,400 9,000 7,800	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700 10,000 8,500	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900 10,200 8,700 7,500 6,400	31,500 29,500 26,200 23,400 19,500 16,400 14,000 12,000 10,300 8,900 7,600 6,600 5,600 4,800	24,700 24,600 22,100 19,600 16,500 14,100 12,100 10,400 9,000 7,800 6,700 5,700 4,900	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700 10,000 8,500	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900 10,200 8,700 7,500 6,400 5,500	31,500 29,500 26,200 23,400 19,500 16,400 14,000 12,000 10,300 8,900 7,600 6,600 5,600 4,800 4,000	24,700 24,600 22,100 19,600 14,100 12,100 10,400 9,000 7,800 6,700 5,700 4,900 4,200	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100 105	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700 10,000 8,500	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900 10,200 8,700 7,500 6,400 5,500	31,500 29,500 26,200 23,400 19,500 16,400 14,000 12,000 10,300 8,900 7,600 6,600 5,600 4,800	24,700 24,600 22,100 19,600 16,500 14,100 10,400 9,000 7,800 6,700 5,700 4,900 4,200 3,500	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100 105
ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100	40 Ib 160,000 125,600 108,900 79,600 61,500	1b 102,500 102,500 100,500 80,600 62,500 46,000 34,900 27,400	80,600 71,900 63,100 46,400 35,400 28,000 22,700 18,700	62,200 55,700 46,700 35,600 28,300 23,000 19,100 15,900 13,400 11,400	56,200 48,000 41,700 35,800 28,500 23,200 19,300 16,200 13,700 11,700 10,000 8,500	102 Ib 41,900 36,400 32,100 28,600 23,300 19,400 16,300 13,900 11,900 10,200 8,700 7,500 6,400 5,500	31,500 29,500 26,200 23,400 19,500 16,400 14,000 12,000 10,300 8,900 7,600 6,600 5,600 4,800 4,000	24,700 24,600 22,100 19,600 14,100 12,100 10,400 9,000 7,800 6,700 5,700 4,900 4,200	ft 10 12 15 20 25 30 35 40 45 50 65 70 75 80 85 90 95 100

Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.



7,000 lb	I	100%	(w)	360°	ASME Standard B 30.5	
33 ft Jib with Pullout						
0'	0	1!	5°	30)°	
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs	
39	12,500	49	8,500	57	6,400	
46	12,000	55	8,100	62	6,200	
53	11,500	60	7,800	67	6,100	
59	10,900	66	7,500	72	5,900	
67	9,900	73	7,100	79	5,900	
75	9,200	81	6,700	86	5,600	
82	8,000	87	6,400	93	5,400	
88	6,800	94	6,000	99	5,300	
97	5,400	102	4,900	106	4,500	
104	4,200	110	3,900	113	3,600	
111	3,300	117	3,100	120	2,900	
117	2,600	123	2,400	126	2,200	
125	1,800	130	1,600	132	1,600	
135	1,200	137	1,000	138	1,100	
7,000 lb	I	100%	(∞) :	360°	ASME Standard B 30.5	
		57 ft Jib wi	ith Pullout			
0°		1	15° 30)°	
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs	
49	6,500	66	4,500	75	3,300	
57	6,400	72	4,300	81	3,200	
64	6,200	78	4,100	86	3,100	
71	6,000	84	3,900	92	3,000	
81	5,400	92	3,700	99	2,900	
90	4,900	100	3,500	107	2,800	
			77			



98

106

116

124

132

139

147

4,500

4,200

3,800

3,200

2,400

1,800

1,200

Notes to lifting capacity

108

115

124

132

140

146

154

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

3,300

3,100

2,900

2,800

2,200

1,700

1,200

114

120

128

136

143

149

2,700

2,600

2,500

2,500

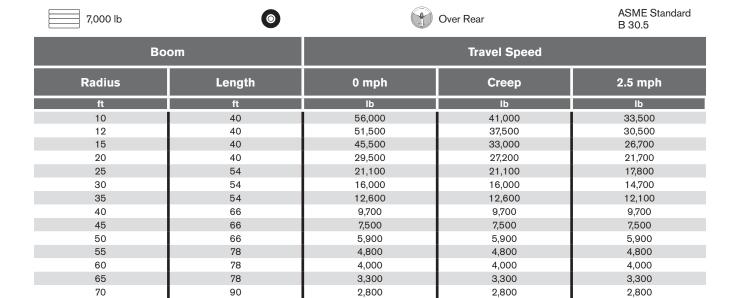
2,200

1,700

1,200



T 780



Notes to lifting capacity



	5,000 lb		100%	(∞) 360°	40	to 126 ft	ASME S B 30.5	Standard
Boom Length (ft)									
/-/ 8	40	54	66	78	90	102	114	126	<i> </i>
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	148,200	102,500							10
12	125,600	102,500							12
15	108,900	100,500	80,600						15
20	82,000	83,100	71,900	62,200	56,200	44.000			20
25 30	63,400	64,500	64,800	55,700	48,000	41,900	04.500		25
35	49,000	50,400 38,400	50,800 38,900	49,700 39,200	41,700 36,600	36,400 32,100	31,500 29,500	24,700	30 35
40		30,300	30,900	39,200	31,400	28,600	26,200	24,700	40
45		24,600	25,200	25,600	25,700	25,700	23,500	22,100	45
50		24,000	20,900	21,300	21,500	21,600	21,400	20,000	50
55			17,500	17,900	18,100	18,200	18,300	18,200	55
60			,	15,100	15,400	15,500	15,600	15,700	60
65				12,800	13,100	13,300	13,400	13,400	65
70				11,000	11,300	11,400	11,500	11,600	70
75					9,700	9,900	10,000	10,100	75
80					8,300	8,500	8,700	8,800	80
85						7,400	7,500	7,600	85
90						6,400	6,500	6,600	90
95						5,500	5,600	5,800	95
100							4,900	5,000	100
105							4,100	4,300	105
110 115								3,600 3,100	110 115
110								3,100	115
	5,000 lb		100%		Over Rear	17 4	0 to 126 ft		Standard
	5,000 lb		100%			1 4	0 to 126 ft	ASME S B 30.5	Standard
	5,000 lb		100%		Over Rear	/ // 4	0 to 126 ft		Standard
	5,000 lb	54	100%			102	0 to 126 ft		Standard
ft	40	lb		Boom Lo	ength (ft)			B 30.5	ft ft
10	40 Ib 160,000	lb 102,500	66	Boom Lo	ength (ft)	102	114	B 30.5	ft 10
10 12	40 Ib 160,000 125,600	Ib 102,500 102,500	66 Ib	Boom Lo	ength (ft)	102	114	B 30.5	ft 10 12
10 12 15	40 Ib 160,000 125,600 108,900	1b 102,500 102,500 100,500	66 Ib	Boom Lo	90	102	114	B 30.5	ft 10 12 15
10 12 15 20	40 Ib 160,000 125,600 108,900 82,000	Ib 102,500 102,500 100,500 83,100	66 Ib 80,600 71,900	78 Ib	90 Ib 56,200	102	114	B 30.5	ft 10 12 15 20
10 12 15 20 25	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500	66 Ib 80,600 71,900 64,800	78 1b 62,200 55,700	90 Ib 56,200 48,000	102 Ib	114 lb	B 30.5	ft 10 12 15 20 25
10 12 15 20 25 30	40 Ib 160,000 125,600 108,900 82,000	1b 102,500 102,500 100,500 83,100 64,500 50,400	80,600 71,900 64,800 50,800	78 Ib 62,200 55,700 49,700	90 Ib 56,200 48,000 41,700	102 Ib 41,900 36,400	114 Ib	126	ft 10 12 15 20 25 30
10 12 15 20 25 30 35	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400	66 Ib 80,600 71,900 64,800 50,800 38,900	78 Ib 62,200 55,700 49,700 39,200	90 Ib 56,200 48,000 41,700 36,600	102 Ib 41,900 36,400 32,100	114 Ib 31,500 29,500	126 Ib	ft 10 12 15 20 25 30 35
10 12 15 20 25 30	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400	80,600 71,900 64,800 50,800 38,900 30,900	62,200 55,700 49,700 39,200 31,200	90 Ib 56,200 48,000 41,700 36,600 31,400	102 Ib 41,900 36,400 32,100 28,600	31,500 29,500 26,200	126 Ib	ft 10 12 15 20 25 30
10 12 15 20 25 30 35 40	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200	62,200 55,700 49,700 39,200 31,200 25,600	90 Ib 56,200 48,000 41,700 36,600	102 Ib 41,900 36,400 32,100 28,600 25,700	31,500 29,500 26,200 23,500	126 Ib 24,700 24,600 22,100	ft 10 12 15 20 25 30 35 40
10 12 15 20 25 30 35 40 45	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900	62,200 55,700 49,700 39,200 31,200	56,200 48,000 41,700 36,600 31,400 25,700	102 Ib 41,900 36,400 32,100 28,600	31,500 29,500 26,200	126 Ib	ft 10 12 15 20 25 30 35 40 45
10 12 15 20 25 30 35 40 45 50 55	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700	31,500 29,500 26,200 23,500 21,400 18,400 15,800	24,700 24,600 22,100 20,000 18,200 15,800	ft 10 12 15 20 25 30 35 40 45 50 55 60
10 12 15 20 25 30 35 40 45 50 55 60	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500	31,500 29,500 26,200 23,500 21,400 18,400 15,800 13,600	24,700 24,600 22,100 20,000 18,200 15,800 13,700	ft 10 12 15 20 25 30 35 40 45 50 55
10 12 15 20 25 30 35 40 45 50 55 60 65 70	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700	31,500 29,500 26,200 23,500 21,400 18,400 15,800 13,600 11,800	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70
10 12 15 20 25 30 35 40 45 50 55 60 65 70	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500	102 Ib 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600 6,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700 5,900	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900 6,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600 6,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700 5,900 5,100	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900 6,000 5,200	ft 10 12 15 20 25 30 35 40 45 50 66 65 70 75 80 85 90 95 100
10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90	40 160,000 125,600 108,900 82,000 63,400	1b 102,500 102,500 100,500 83,100 64,500 50,400 38,400 30,300	80,600 71,900 64,800 50,800 38,900 30,900 25,200 20,900	62,200 55,700 49,700 39,200 31,200 25,600 21,300 17,900 15,200 13,000	56,200 48,000 41,700 36,600 31,400 25,700 21,500 18,200 15,500 13,300 11,500 9,900	102 1b 41,900 36,400 32,100 28,600 25,700 21,600 18,300 15,700 13,500 11,700 10,100 8,800 7,600 6,600	31,500 29,500 26,200 23,500 21,400 18,400 15,800 11,800 10,200 8,900 7,800 6,700 5,900	24,700 24,600 22,100 20,000 18,200 15,800 13,700 11,900 10,300 9,000 7,900 6,900 6,000	ft 10 12 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



Notes to lifting capacity

78

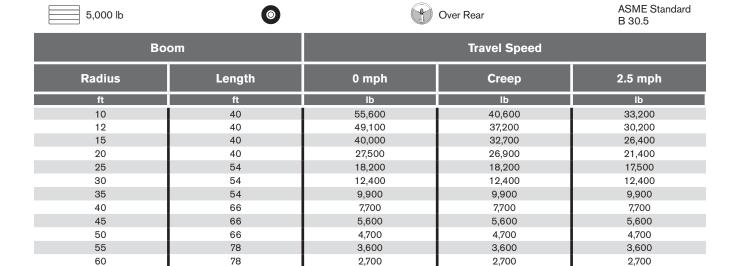


LOAD CHARTS

65

T 780

1,800



1,800

1,800

Notes to lifting capacity



TECHNICAL DESCRIPTIONS

Hydraulics

HYDR

Three Pump System

Main hoist/boom hoist and telescope tandem pump

Outrigger and swing Power steering

Simultaneous operation of hydraulic functions

Two-speed boom extension

Full Flow with bypass protection

Suction Return

Pressurized Tank with Sight Level Gauge

57.3 /42.6 gal/min @ 4,500 psi 21.2 gal/min 3,500 psi 8 gal/min @ 1,900 psi

> 250 micron screen 5 micron filter

> > 202 gal

Upper Operator Cab

Unner Cah

Sliding door on left side

Sliding window on the right side

Tilting, tinted glass skylight

Removable front windshield

Six-way adjustable seat with armrest dual-axis electro-proportional joysticks

Joystick control for hoist(s), swing and boom elevation

Foot pedals for swing brake, boom telescope and engine rpm

Hand control for engine rpm

Optional Features for Upper Cab

Air conditioning – hydraulically powered

Heater and air conditioning package - hydraulically powered

Liquid Propane (LP) Cab Heater

Single-Axis armrest mounted controls

Work Lights

Upper cab remote carrier control

AM/FM radio with cassette

Rated capacity indicator with pictograph display of boom radius, boom angle,

boom length, allowable load, actual load and % of allowable load

Settable alarms for swing angle, boom length, boom angle, tip height and

work area exclusion zone

Boom Controls

((+))

Foot pedal actuated multi-disc brake and air actuated 360° house lock



Hydraulic driven double planetary reduction gear drive

2.5 rev/min

Counterweight



Main counterweight with integrated hydraulic removal system is bolted to upper crane structure

Hydraulic system allows weights to be removed and attached without additional lifting equipment for placement on carrier deck or dolly trailer

15,000 lb standard counterweight package





TECHNICAL DESCRIPTIONS

T 780

Hoists and Rope

1	Two speeds First layer (no load speed) Fifth layer (no load speed)	Low Speed: 200 ft/min 287 ft/min	High Speed: 320 ft/min 460 ft/min
lb B	First layer Fifth layer	Low Speed: 18,450 lb 12,845 lb	High Speed: 10,002 lb 6,963 lb
1	Permissible line pull		13,800 lb
		6x1	9 IWRC XIPS
	Maximum useable		561 ft
	Rope diameter		0.75 in
2	Two speeds First layer (no load speed) Fifth layer (no load speed)	Low Speed: 200 ft/min 287 ft/min	High Speed: 320 ft/min 460 ft/min
lb.	First layer Fifth layer	Low Speed: 18,450 lb 12,845 lb	High Speed: 10,002 lb 6,963 lb
2	Permissible line pull		13,800 lb
	Optional	34	x7 Grade 960
	Optional		.75 in

Engine and Transmission

Liigine an	u Hallolliloololl	
-	Standard Engine and Transmission Detroit Diesel 60 Series Turbocharged and Aftercooled Eaton Fuller Optional Engine and Transmission Detroit Diesel 60 Series Turbocharged and Aftercooled Allision automatic Fuel Capacity	14 L / 435 hp 10 speed manual 14 L / 515 hp 7 speed with lock-up torque converter 100 gal
==	Voltage Batteries Alternator	12 VDC Three 2,400 CCA 130 amp

Lower Operator Cab

Lower Cab



Hinged door on left side with roll-down window Sliding window on the right side Six-way adjustable seat with seatbelt Cruise control Two speed windshield wiper with washer Jacobs engine brake



TECHNICAL DESCRIPTIONS

Chassis and Related Components

Ollubbio u	na noiatoa componente	
1-1	Hydraulic assist	33 ft 4 in turn radius to CL of tires
	Front axle – maximum capacity Tubular beam with equalizer air suspension mounting Rear axle – maximum capacity Interaxle differential with lock-out. Equalizer beam air suspension mounting	48,000 lb 60,000 lb
0	Aluminium wheels with stainless hub covers Front Rear	445/65R22.5-20 PR 315/80R22.5 -20 PR
	Theoretical maximum Manual transmission Automatic transmission	100 +% 100 +%
ŶŶŶ	Manual transmission Automatic transmission Axle drive system Air brakes with ABS	67 mph 65 mph 8x4 drive Air release / spring set

Boom and Components

	Full power extension via foot pedal control	Four Section
	Retracted boom length Extended boom length Maximum tip height	40 ft 126 ft 133 ft
***	Raised – maximum Lower – minimum	+78° -4°
	Optional Swing-On Jib – Fixed length – Can be offset to 0°, 15°, or 30° Maximum tip height with fixed jib Swing-On Jib – with 25 ft extension – Can be offset to 0°, 15°, or 30° Maximum tip height with extended jib	32 ft 164 ft 33 ft to 57 ft 189 ft
00	Optional Boom Dolly	
	5 or 6 metallic load sheaves 2 nylon idler sheaves Quick reeving design	
	Installs only on main boom head Compatible with extendable and fixed swing-on jibs	Single nylon sheave
	5 metallic sheaves Quick reeving design	80 T
	Optional 5 metallic sheaves Quick reeving design	60 T
	Top swivel ball with hook and latch	12 T



NOTES	T 780



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