



T 110
110 US^t Lifting Capacity
Truck Crane
Datasheet
Imperial

T 110
PRELIMINARY



- ▶ 110 US^t maximum lifting capacity
- ▶ 197 ft maximum boom length
- ▶ 197.5 ft main boom tip height
- ▶ 247.6 ft max tip height with jib
- ▶ Air-ride suspension
- ▶ Travel speeds up to 65 mph

WORKS FOR YOU.™

Key

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46,000 lb counterweight

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40,000 lb counterweight

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13,000 lb counterweight

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1,000 lb counterweight

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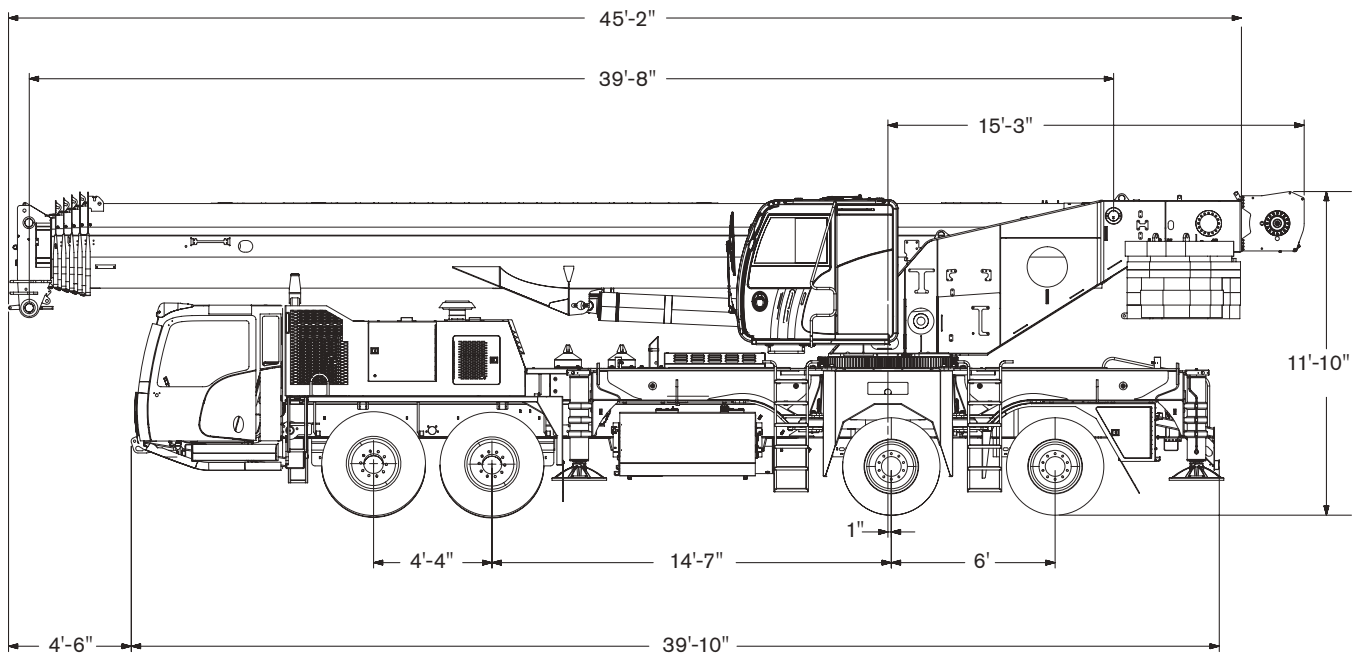
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	Boom length		Winch speed
	Tip height		Rope – Standard / Optional
	Boom with extension		Rope diameter
	Telescoping mode		Rope length
	Boom angle		Max. line pull
	Working radius		Electrical system
	Max. boom length with extension		Tires
	Main boom with aux head		Engine
	Hook and block		Steering
	Hook and ball		Speed
	Gradeability		Slewing / Allowable slewing range
	Crane / Crane in standard configuration		Slewing brake
	Gross vehicle weight		Main winch
	Weight on front axle		Auxiliary winch
	Weight on rear axle		Cab
	Counterweight		Operator aids / Load limiter / Load indicator
	Outriggers		Transmission
	Swing/Rotation		Hydraulics
	Over rear		Heating / Air conditioning
	General performance		

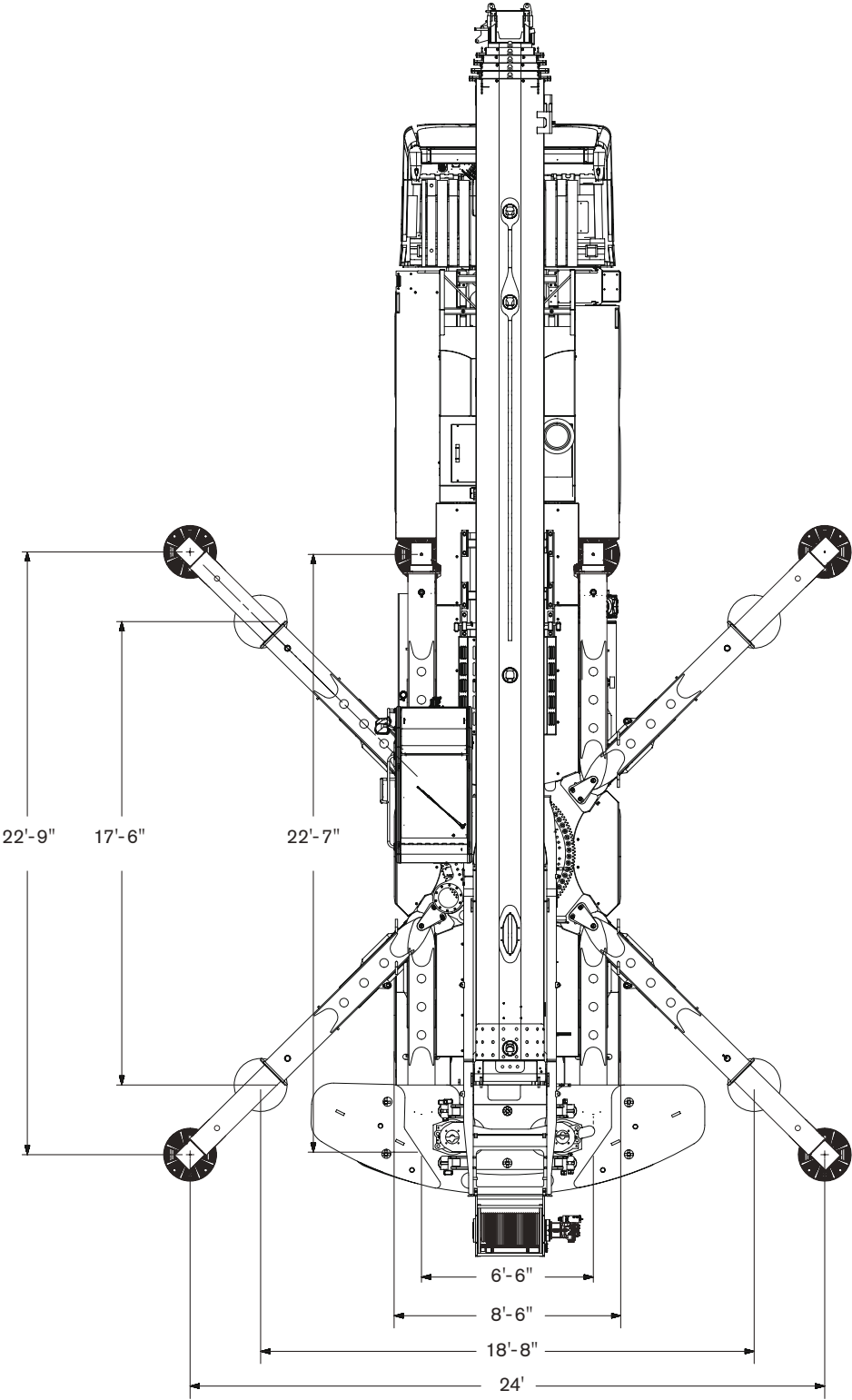
CRANE DIMENSIONS

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CRANE DIMENSIONS

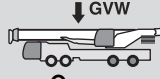
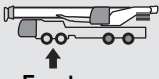
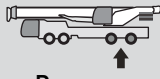
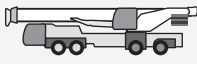








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SPECIFICATIONS

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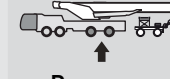









Approximate Crane Weights

Boom in front travel position		 GVW Gross Vehicle	 Front max. 48,000 lb	 Rear max. 60,000 lb
Configuration:	Base Crane 1/4 tank fuel 200 lb operator seated in cab Front tires: 445/65 R22.5 Rear tires: 315/80 R22.5 197 ft boom/no jib			
		82,722	37,587	45,135
Add/subtract options				
	Main winch 650 ft non-spin rope	+ 98	- 37	+ 135
	Main winch 850 ft non-spin rope	+ 347	- 134	+ 481
	Auxiliary winch with 650 ft standard rope	+ 1,936	- 968	+ 2,904
	Auxiliary winch with 650 ft non-spin rope	+ 2,034	- 1,017	+ 3,051
	Auxiliary winch with 850 ft non-spin rope	+ 2,284	- 1,142	+ 3,426
	52.5 ft jib stowed on boom	+ 2,500	+ 2,532	- 32
	Full tank of fuel	+ 561	+ 313	+ 248
	Hook block, 110 USt	+ 2,160	+ 5,576	- 3,416
	Hook block, 80 USt	+ 1,568	+ 4,048	- 2,480
	Hook block, 60 USt	+ 1,204	+ 3,108	- 1,904
	Hook block, 45 USt	+ 946	+ 2,442	- 1,496
	Overhaul ball, 12 USt	+ 419	+ 1,082	- 663
	Overhaul ball, 7 USt	+ 250	+ 645	- 395
	Auxiliary boom head	+ 100	+ 146	- 46
	Counterweight A, on table, 1,000 lb	+ 1,000	+ 700	+ 300
	Counterweight A, on super, 1,000 lb	+ 1,000	- 384	+ 1,384
	Counterweight B, on table, 6,000 lb	+ 6,000	+ 4,200	+ 1,800
	Counterweight B, on super, 6,000 lb	+ 6,000	- 2,305	+ 8,305
	Counterweight C, on table, 7,000 lb	+ 7,000	+ 4,900	+ 2,100
	Counterweight C, on super, 7,000 lb	+ 7,000	- 2,689	+ 9,689
	Counterweight D, on table, 12,500 lb	+ 12,500	+ 8,749	+ 3,751
	Counterweight D, on super, 12,500 lb	+ 12,500	- 4,802	+ 17,302
	Counterweight E, on table, 6,500 lb	+ 6,500	+ 4,550	+ 1,950
	Counterweight E, on super, 6,500 lb	+ 6,500	- 2,497	+ 8,997
	Counterweight tray, on table, 7,000 lb	+ 7,000	+ 4,900	+ 2,100
	Counterweight tray, on super, 7,000 lb	+ 7,000	- 2,689	+ 9,689
	Wing weights, on table, 6,000 lb	+ 6,000	+ 4,200	+ 1,800
	Wing weights, on super, 6,000 lb	+ 6,000	- 2,305	+ 8,305

SPECIFICATIONS

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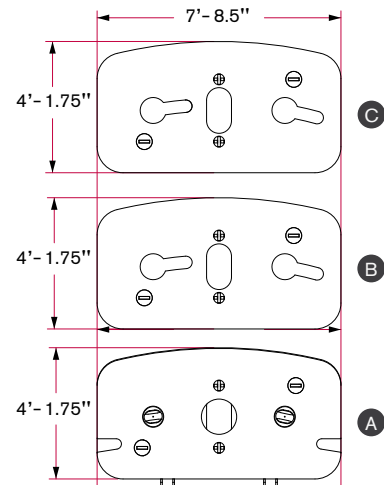
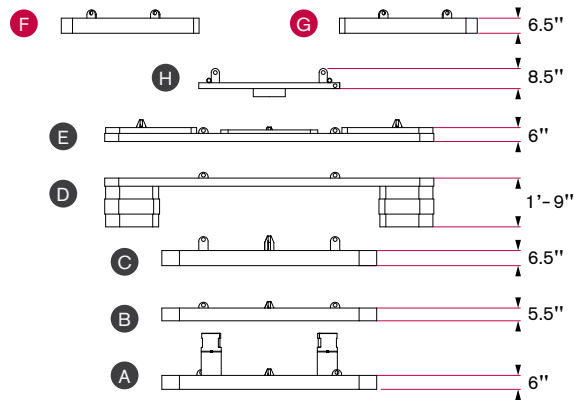
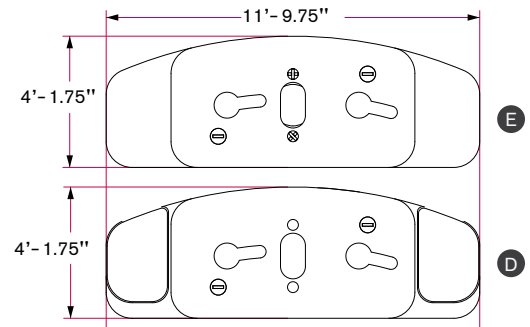
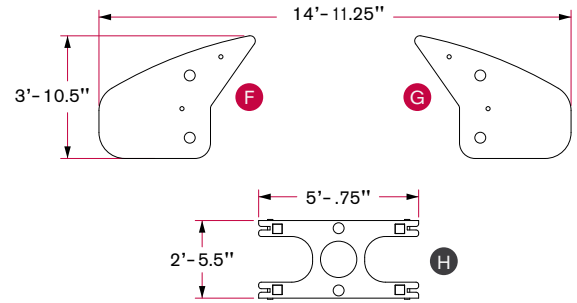
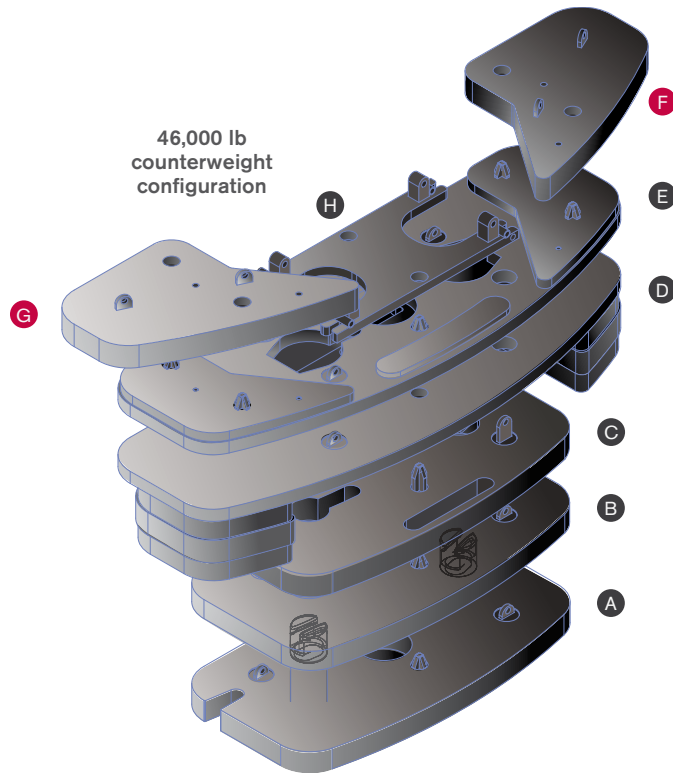
Approximate Crane Weights

Dolly and boom over rear		 ↓ GVW Gross Vehicle	 ↑ Front max. 48,000 lb	 ↑ Rear max. 60,000 lb	 Dolly
Configuration:	Base Crane 1/4 tank fuel 200 lb operator seated in cab Front tires: 445/65 R22.5 Rear tires: 315/80 R22.5 197 ft boom/no jib 8,000 lb dolly	90,234	28,452	37,958	23,824
Add/subtract options					
	Main winch 650 ft non-spin rope	+ 98	+ 68	+ 30	+ 0
	Main winch 850 ft non-spin rope	+ 347	+ 243	+ 104	+ 0
	Auxiliary winch with 650 ft standard rope	+ 1,936	+ 1,580	+ 356	+ 0
	Auxiliary winch with 650 ft non-spin rope	+ 2,033	+ 1,659	+ 374	+ 0
	Auxiliary winch with 850 ft non-spin rope	+ 2,283	+ 1,863	+ 420	+ 0
	52.5 ft jib stowed on boom	+ 2,499	+ 193	+ 143	+ 2,163
	Full tank of fuel	+ 561	+ 313	+ 248	+ 0
	Hook block, 110 USt	+ 2,160	+ 0	+ 0	+ 2,160
	Hook block, 80 USt	+ 1,568	+ 0	+ 0	+ 1,568
	Hook block, 60 USt	+ 1,204	+ 0	+ 0	+ 1,204
	Hook block, 45 USt	+ 946	+ 0	+ 0	+ 946
	Overhaul ball, 12 USt, 419 lb	+ 419	+ 0	+ 0	+ 419
	Overhaul ball, 7 USt, 250 lb	+ 250	+ 0	+ 0	+ 250
	Auxiliary boom head	+ 0	+ 0	+ 0	+ 100
	Counterweight A, on table, 1,000 lb	+ 1,000	+ 700	+ 300	+ 0
	Counterweight A, on super, 1,000 lb	+ 1,000	+ 700	+ 300	+ 0
	Counterweight B, on table, 6,000 lb	+ 6,000	+ 4,199	+ 1,801	+ 0
	Counterweight B, on super, 6,000 lb	+ 6,000	+ 4,199	+ 1,801	+ 0
	Counterweight C, on table, 7,000 lb	+ 7,000	+ 4,900	+ 2,100	+ 0
	Counterweight C, on super, 7,000 lb	+ 7,000	+ 4,900	+ 2,100	+ 0
	Counterweight D, on table, 12,500 lb	+ 12,500	+ 8,749	+ 3,751	+ 0
	Counterweight D, on super, 12,500 lb	+ 12,500	+ 8,749	+ 3,751	+ 0
	Counterweight E, on table, 6,500 lb	+ 6,500	+ 4,549	+ 1,951	+ 0
	Counterweight E, on super, 6,500 lb	+ 6,500	+ 4,549	+ 1,951	+ 0
	Counterweight tray, on table, 7,000 lb	+ 7,000	+ 4,899	+ 2,101	+ 0
	Counterweight tray, on super, 7,000 lb	+ 7,000	+ 4,899	+ 2,101	+ 0
	Wing weights, on table, 6,000 lb	+ 6,000	+ 4,200	+ 1,800	+ 0
	Wing weights, on super, 6,000 lb	+ 6,000	+ 4,200	+ 1,800	+ 0

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Counterweights



F G Optional

	Counterweight Configurations								
	A	B	C	D	E	F*	G*	H	
lb	7,000	6,000	7,000	12,500	6,500	3,000	3,000	1,000	lb
1,000								X	1,000
7,000	X								7,000
8,000	X							X	8,000
13,000	X	X							13,000
40,000	X	X	X	X	X			X	40,000
46,000	X	X	X	X	X	X	X	X	46,000

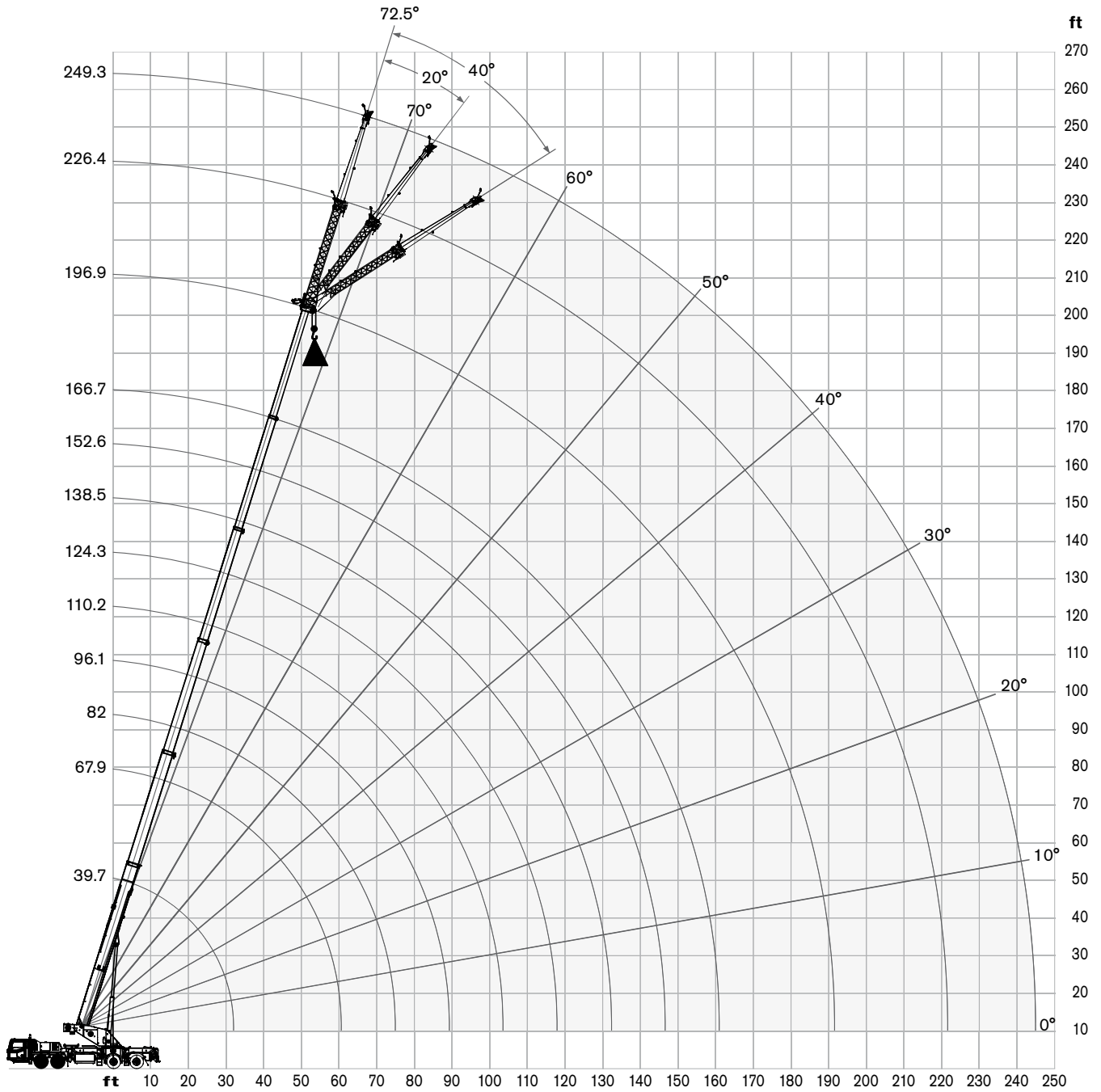
* Optional



RANGE DIAGRAM - MAIN BOOM

T 110

Outriggers Fully Extended (100%)



LOAD CHART - MAIN BOOM

T 110

Outriggers Fully Extended (100%)

46,000 lb 24 x 22.75 ft 360° 39.7-197 ft Standard ASME B30.5

		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
8.2	220,000*											8.2	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	101,200	87,400	74,500	67,000	61,000	46,200						20	
25	84,000	79,200	67,500	59,700	56,300	41,600	35,600					25	
30	61,200	72,100	61,100	53,900	50,800	37,300	33,000					30	
35	29,000	59,800	56,200	48,900	46,300	33,600	30,200	25,900				35	
40		47,300	48,800	44,500	42,300	30,300	27,300	24,200	21,000	12,600		40	
45		38,500	40,000	38,800	38,900	27,700	25,000	22,200	19,900	12,600		45	
50		32,000	33,500	32,400	33,800	25,500	23,100	20,600	18,700	12,400		50	
55		26,900	28,500	27,400	28,800	23,400	21,100	19,000	17,500	12,300		55	
60			24,500	23,500	24,800	21,600	19,500	17,600	16,400	12,100		60	
65				21,200	20,300	21,600	19,900	18,000	16,200	15,300		65	
70				18,500	17,700	19,000	18,200	16,600	15,200	14,300		70	
75				9,500	15,400	16,700	15,900	15,400	14,200	13,400		75	
80					13,500	14,800	14,000	13,900	13,200	12,600	10,600	80	
85					11,800	13,100	12,400	12,300	12,300	11,900	9,900	85	
90						11,700	11,000	10,800	11,100	11,100	9,300	90	
95						10,400	9,700	9,600	9,800	10,300	8,700	95	
100						9,200	8,500	8,600	8,700	9,200	8,200	100	
105						4,700	7,500	7,500	7,700	8,200	7,700	105	
110							6,600	6,600	6,800	7,300	7,200	110	
115								5,700	6,000	6,500	6,700	115	
120								5,000	5,300	5,800	6,300	120	
125								4,300	4,600	5,100	5,800	125	
130								3,400	4,000	4,500	5,200	130	
135									3,400	3,900	4,600	135	
140										2,800	4,100	140	
145											3,600	145	
150											2,900	150	
155											2,400	155	
160											2,000	160	
165												2,300	165
170												1,600	170
175												1,300	175
180												1,000	180

Outriggers Fully Extended (100%)

46,000 lb 24 x 22.75 ft Over Rear 39.7-197 ft Standard ASME B30.5

		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
8.2	220,000*											8.2	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	101,200	87,400	74,500	67,000	61,000	46,200						20	
25	84,000	79,200	67,500	59,700	56,300	41,600	35,600					25	
30	61,200	72,100	61,100	53,900	50,800	37,300	33,000					30	
35	29,000	62,700	56,200	48,900	46,300	33,600	30,200	25,900				35	
40		50,000	51,500	44,500	42,300	30,300	27,300	24,200	21,000	12,600		40	
45		41,000	42,500	40,700	38,900	27,700	25,000	22,200	19,900	12,600		45	
50		34,300	35,800	34,700	35,900	25,500	23,100	20,600	18,700	12,400		50	
55		29,000	30,600	29,600	30,900	23,400	21,100	19,000	17,500	12,300		55	
60			26,400	25,500	26,800	21,600	19,500	17,600	16,400	12,100		60	
65				23,000	22,100	23,400	19,900	18,000	16,200	15,300		65	
70				20,200	19,400	20,700	18,400	16,600	15,200	14,300		70	
75				9,500	17,000	18,300	17,100	15,400	14,200	13,400		75	
80					14,900	16,300	15,600	14,300	13,200	12,600	10,600	80	
85					13,200	14,500	13,800	13,400	12,300	11,900	9,900	85	
90						13,200	12,300	12,200	11,400	11,100	9,300	90	
95						11,600	11,000	10,900	10,600	10,300	8,700	95	
100						10,400	9,800	9,700	9,900	9,700	8,200	100	
105						4,700	8,700	8,600	8,900	9,000	7,700	105	
110							7,700	7,600	7,900	8,400	7,200	110	
115								6,800	7,100	7,600	6,700	115	
120								6,000	6,300	6,800	6,300	120	
125								5,200	5,500	6,100	5,900	125	
130								3,400	4,900	5,400	5,500	130	
135									4,300	4,800	5,200	135	
140										3,700	4,900	140	
145											4,200	145	
150											3,700	150	
155											3,200	155	
160											2,700	160	
165												3,100	165
170												2,700	170
175												2,300	175
180												2,000	180

* With special attachment

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.



LOAD CHART - MAIN BOOM

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Outriggers Fully Extended (100%)

40,000 lb		24 x 22.75 ft		360°		39.7-197 ft		Standard ASME B30.5			
Boom Length (ft)											
	39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197	
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	101,200	101,200	97,500								10
12	101,200	101,200	92,000	79,400							12
15	101,200	97,400	84,800	74,800							15
20	101,200	87,400	74,500	67,000	61,000	46,200					20
25	84,000	79,200	67,500	59,700	56,300	41,600	35,600				25
30	61,200	72,100	61,100	53,900	50,800	37,300	33,000				30
35	29,000	54,600	56,200	48,900	46,300	33,600	30,200	25,900			35
40		43,000	44,500	43,300	42,300	30,300	27,300	24,200	21,000	12,600	40
45		34,900	36,300	35,200	36,700	27,700	25,000	22,200	19,900	12,600	45
50		28,900	30,300	29,200	30,600	25,500	23,100	20,600	18,700	12,400	50
55		24,100	25,700	24,600	26,000	23,400	21,100	19,000	17,500	12,300	55
60		12,600	22,000	21,000	22,300	21,500	19,500	17,600	16,400	12,100	60
65			18,900	18,000	19,300	18,500	18,000	16,200	15,300	11,900	65
70			16,400	15,600	16,900	16,100	15,900	15,200	14,300	11,600	70
75			9,500	13,500	14,800	14,000	13,900	14,100	13,400	11,100	75
80				11,700	13,000	12,300	12,100	12,400	12,600	10,600	80
85				10,100	11,500	10,800	10,600	10,900	11,400	9,900	85
90				5,700	10,100	9,400	9,300	9,500	10,000	9,300	90
95					8,900	8,300	8,100	8,400	8,900	8,700	95
100					7,800	7,200	7,100	7,400	7,800	8,200	100
105					4,700	6,300	6,200	6,400	6,900	7,500	105
110						5,400	5,300	5,600	6,100	6,800	110
115						4,600	4,600	4,900	5,300	6,000	115
120							3,900	4,200	4,700	5,400	120
125							3,200	3,500	4,000	4,700	125
130							2,600	2,900	3,500	4,200	130
135								2,400	2,900	3,600	135
140								1,900	2,400	3,100	140
145									2,000	2,700	145
150									1,500	2,300	150
155									1,100	1,900	155
160										1,500	160
165										1,200	165
170										800	170
175										500	175

Outriggers Fully Extended (100%)





40,000 lb		24 x 22.75 ft		Over Rear		39.7-197 ft		Standard ASME B30.5			
Boom Length (ft)											
	39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197	
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	101,200	101,200	97,500								10
12	101,200	101,200	92,000	79,400							12
15	101,200	97,400	84,800	74,800							15
20	101,200	87,400	74,500	67,000	61,000	46,200					20
25	84,000	79,200	67,500	59,700	56,300	41,600	35,600				25
30	61,200	72,100	61,100	53,900	50,800	37,300	33,000				30
35	29,000	57,800	56,200	48,900	46,300	33,600	30,200	25,900			35
40		46,000	47,500	44,500	42,300	30,300	27,300	24,200	21,000	12,600	40
45		37,600	39,000	37,900	38,900	27,700	25,000	22,200	19,900	12,600	45
50		31,300	32,800	31,700	33,100	25,500	23,100	20,600	18,700	12,400	50
55		26,400	27,900	26,900	28,300	23,400	21,100	19,000	17,500	12,300	55
60		12,600	24,000	23,100	24,400	21,600	19,500	17,600	16,400	12,100	60
65			20,800	20,000	21,300	19,900	18,000	16,200	15,300	11,900	65
70			18,200	17,400	18,700	17,900	16,600	15,200	14,300	11,600	70
75			9,500	15,200	16,500	15,700	15,400	14,200	13,400	11,100	75
80				13,300	14,600	13,900	13,700	13,200	12,600	10,600	80
85				11,600	12,900	12,300	12,100	12,300	11,900	9,900	85
90				5,700	11,500	10,800	10,700	11,000	11,100	9,300	90
95					10,200	9,600	9,500	9,700	10,200	8,700	95
100					9,100	8,400	8,400	8,600	9,100	8,200	100
105					4,700	7,400	7,400	7,600	8,100	7,700	105
110						6,500	6,500	6,800	7,200	7,200	110
115						5,700	5,600	5,900	6,400	6,700	115
120							4,900	5,200	5,700	6,300	120
125							4,200	4,500	5,000	5,700	125
130							3,400	3,900	4,400	5,100	130
135								3,300	3,800	4,600	135
140								2,800	3,300	4,100	140
145									2,800	3,600	145
150									2,400	3,100	150
155									1,900	2,700	155
160										2,300	160
165										1,900	165
170										1,600	170
175										1,300	175
180										900	180

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.

LOAD CHART - MAIN BOOM





T 110

Outriggers Fully Extended (100%)

 13,000 lb
  24 x 22.75 ft
  360°
  39.7-197 ft
 Standard ASME B30.5

		Boom Length (ft)										
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197	
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	101,200	101,200	97,500									10
12	101,200	101,200	92,000	79,400								12
15	101,200	97,400	84,800	74,800								15
20	99,700	87,400	74,500	67,000	61,000	46,200						20
25	61,300	63,100	65,200	59,700	56,300	41,600	35,600					25
30	40,600	42,700	44,500	43,000	44,900	37,300	33,000					30
35	29,000	31,100	32,800	31,400	33,100	32,100	30,200	25,900				35
40		23,700	25,200	24,000	25,600	24,600	24,400	24,200	21,000	12,600		40
45		18,500	20,000	18,800	20,300	19,400	19,200	19,500	19,900	12,600		45
50		14,700	16,100	15,000	16,400	15,500	15,400	15,700	16,200	12,400		50
55		11,600	13,100	12,100	13,400	12,600	12,400	12,700	13,300	12,300		55
60		9,300	10,800	9,800	11,100	10,300	10,100	10,400	10,900	11,700		60
65			8,800	7,900	9,200	8,400	8,200	8,500	9,000	9,800		65
70			7,100	6,300	7,600	6,800	6,600	6,900	7,400	8,200		70
75			6,000	4,900	6,300	5,500	5,300	5,600	6,100	6,900		75
80				3,800	5,100	4,300	4,200	4,500	5,000	5,700		80
85				2,700	4,100	3,400	3,200	3,500	4,000	4,700		85
90				2,200	3,200	2,500	2,400	2,600	3,100	3,900		90
95					2,400	1,800	1,600	1,900	2,400	3,100		95
100					1,700	1,100	1,000	1,200	1,700	2,400		100
105					1,400	500	400	600	1,100	1,800		105
110									600	1,300		110
115										800		115
120										400		120

Outriggers Fully Extended (100%)

 13,000 lb
  24 x 22.75 ft
  Over Rear
  39.7-197 ft
 Standard ASME B30.5

		Boom Length (ft)										
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197	
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft
10	101,200	101,200	97,500									10
12	101,200	101,200	92,000	79,400								12
15	101,200	97,400	84,800	74,800								15
20	101,200	87,400	74,500	67,000	61,000	46,200						20
25	67,800	69,500	67,500	59,700	56,300	41,600	35,600					25
30	46,100	48,200	49,900	48,500	50,300	37,300	33,000					30
35	29,000	35,900	37,400	36,200	37,800	33,600	30,200	25,900				35
40		27,800	29,300	28,100	29,600	28,700	27,300	24,200	21,000	12,600		40
45		22,100	23,600	22,400	23,900	23,000	22,800	22,200	19,900	12,600		45
50		17,800	19,300	18,200	19,600	18,700	18,600	18,900	18,700	12,400		50
55		14,500	16,000	15,000	16,300	15,500	15,300	15,600	16,100	12,300		55
60		11,900	13,300	12,400	13,700	12,900	12,700	13,000	13,500	12,100		60
65			11,100	10,300	11,600	10,800	10,600	10,900	11,400	11,900		65
70			9,300	8,500	9,800	9,000	8,900	9,100	9,600	10,400		70
75			8,100	7,000	8,300	7,500	7,400	7,600	8,200	8,900		75
80				5,700	7,000	6,300	6,100	6,400	6,900	7,600		80
85				4,500	5,900	5,200	5,000	5,300	5,800	6,500		85
90				3,900	4,900	4,200	4,100	4,300	4,800	5,500		90
95					4,000	3,300	3,200	3,500	4,000	4,700		95
100					3,200	2,600	2,500	2,700	3,200	3,900		100
105					2,900	1,900	1,800	2,100	2,600	3,300		105
110						1,200	1,200	1,500	2,000	2,600		110
115						700	600	900	1,400	2,100		115
120								400	900	1,600		120
125									400	1,100		125
130										700		130


Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.

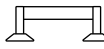


LOAD CHART - MAIN BOOM

T 110

Outriggers Fully Extended (100%)

 8,000 lb

 24 x 22.75 ft


 360°

 39.7–197 ft

Standard ASME B30.5

		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	94,300	87,400	74,500	67,000	61,000	46,200						20	
25	53,700	55,400	57,500	55,800	56,300	41,600	35,600					25	
30	35,100	37,100	38,900	37,500	39,300	37,300	33,000					30	
35	29,000	26,800	28,400	27,100	28,800	27,700	27,500	25,900				35	
40		20,100	21,700	20,400	22,000	21,000	20,800	21,200	21,000	12,600		40	
45		15,500	17,000	15,800	17,300	16,400	16,200	16,500	17,100	12,600		45	
50		12,000	13,500	12,400	13,800	12,900	12,700	13,000	13,600	12,400		50	
55		9,300	10,800	9,800	11,100	10,300	10,100	10,400	10,900	11,800		55	
60		7,200	8,700	7,700	9,000	8,200	8,000	8,300	8,800	9,600		60	
65			6,900	6,000	7,300	6,500	6,300	6,600	7,100	7,900		65	
70			5,400	4,600	5,900	5,100	4,900	5,200	5,700	6,500		70	
75			4,400	3,300	4,700	3,900	3,700	4,000	4,500	5,300		75	
80				2,300	3,600	2,900	2,700	3,000	3,500	4,200		80	
85				1,400	2,700	2,000	1,900	2,100	2,600	3,300		85	
90				900	1,900	1,200	1,100	1,400	1,800	2,600		90	
95					1,200	600	400	700	1,200	1,900		95	
100									600	1,300		100	
105										800		105	

Outriggers Fully Extended (100%)

 8,000 lb

 24 x 22.75 ft

 Over Rear

 39.7–197 ft

Standard ASME B30.5


		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	101,200	87,400	74,500	67,000	61,000	46,200						20	
25	60,700	62,500	64,500	59,700	56,300	41,600	35,600					25	
30	41,000	43,000	44,800	43,400	45,200	37,300	33,000					30	
35	29,000	31,800	33,400	32,100	33,700	32,700	30,200	25,900				35	
40		24,400	25,900	24,700	26,300	25,300	25,100	24,200	21,000	12,600		40	
45		19,300	20,700	19,600	21,000	20,100	19,900	20,200	19,900	12,600		45	
50		15,300	16,800	15,700	17,100	16,200	16,100	16,400	16,900	12,400		50	
55		12,200	13,800	12,800	14,100	13,300	13,100	13,400	13,900	12,300		55	
60		9,900	11,400	10,400	11,700	10,900	10,700	11,000	11,500	12,100		60	
65			9,300	8,500	9,800	9,000	8,800	9,100	9,600	10,400		65	
70			7,700	6,900	8,200	7,400	7,200	7,500	8,000	8,800		70	
75			6,500	5,500	6,800	6,000	5,900	6,100	6,600	7,400		75	
80				4,300	5,600	4,900	4,700	5,000	5,500	6,200		80	
85				3,200	4,600	3,900	3,700	4,000	4,500	5,200		85	
90				2,600	3,600	3,000	2,800	3,100	3,600	4,300		90	
95					2,800	2,200	2,100	2,300	2,800	3,500		95	
100					2,100	1,500	1,400	1,700	2,100	2,800		100	
105					1,800	800	800	1,000	1,500	2,200		105	
110								500	1,000	1,700		110	
115									500	1,200		115	
120										700		120	

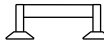
Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.

LOAD CHART - MAIN BOOM

T 110

Outriggers Fully Extended (100%)

 7,000 lb

 24 x 22.75 ft


 360°

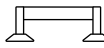
 39.7–197 ft

Standard ASME
B30.5

		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	91,800	87,400	74,500	67,000	61,000	46,200						20	
25	52,100	53,800	56,000	54,200	56,300	41,600	35,600					25	
30	34,000	36,000	37,800	36,300	38,200	37,000	33,000					30	
35	29,000	25,900	27,600	26,200	27,900	26,900	26,600	25,900				35	
40		19,400	21,000	19,700	21,300	20,300	20,100	20,400	21,000	12,600		40	
45		14,900	16,300	15,200	16,700	15,800	15,600	15,900	16,500	12,600		45	
50		11,500	13,000	11,900	13,300	12,400	12,200	12,500	13,100	12,400		50	
55		8,800	10,300	9,300	10,700	9,800	9,600	9,900	10,500	11,300		55	
60		6,700	8,300	7,300	8,600	7,800	7,600	7,900	8,400	9,200		60	
65			6,500	5,600	6,900	6,100	5,900	6,200	6,700	7,500		65	
70			5,000	4,200	5,500	4,700	4,600	4,800	5,400	6,100		70	
75			4,100	3,000	4,300	3,600	3,400	3,700	4,200	4,900		75	
80				2,000	3,300	2,600	2,400	2,700	3,200	3,900		80	
85				1,100	2,500	1,700	1,600	1,800	2,300	3,100		85	
90				600	1,700	1,000	800	1,100	1,600	2,300		90	
95								400	900	1,700		95	
100									400	1,100		100	
105										500		105	

Outriggers Fully Extended (100%)

 7,000 lb

 24 x 22.75 ft

 Over Rear

 39.7–197 ft

Standard ASME
B30.5

		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	99,800	87,400	74,500	67,000	61,000	46,200						20	
25	59,300	61,000	63,100	59,700	56,300	41,600	35,600					25	
30	39,900	42,000	43,700	42,300	44,100	37,300	33,000					30	
35	29,000	31,000	32,600	31,300	32,900	31,900	30,200	25,900				35	
40		23,800	25,300	24,100	25,600	24,600	24,400	24,200	21,000	12,600		40	
45		18,700	20,100	19,000	20,400	19,500	19,300	19,600	19,900	12,600		45	
50		14,800	16,300	15,200	16,600	15,700	15,600	15,900	16,400	12,400		50	
55		11,800	13,400	12,300	13,700	12,800	12,700	12,900	13,500	12,300		55	
60		9,500	11,000	10,000	11,300	10,500	10,300	10,600	11,100	11,900		60	
65			9,000	8,100	9,400	8,600	8,400	8,700	9,200	10,000		65	
70			7,300	6,500	7,800	7,000	6,900	7,100	7,700	8,400		70	
75			6,200	5,100	6,500	5,700	5,600	5,800	6,300	7,100		75	
80				4,000	5,300	4,600	4,400	4,700	5,200	5,900		80	
85				2,900	4,300	3,600	3,500	3,700	4,200	4,900		85	
90				2,400	3,400	2,700	2,600	2,900	3,300	4,100		90	
95					2,600	2,000	1,900	2,100	2,600	3,300		95	
100					1,900	1,300	1,200	1,400	1,900	2,600		100	
105					1,600	600	600	800	1,300	2,000		105	
110									800	1,500		110	
115										1,000		115	
120										500		120	





Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.



LOAD CHART - MAIN BOOM





T 110

Outriggers Fully Extended (100%)

 1,000 lb
  24 x 22.75 ft
  360°
  39.7-197 ft
 Standard ASME B30.5

		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	76,800	79,000	74,500	67,000	61,000	46,200						20	
25	42,900	44,600	46,800	45,000	47,300	41,600	35,600					25	
30	27,300	29,400	31,200	29,700	31,600	30,400	30,100					30	
35	24,000	20,700	22,300	21,000	22,700	21,700	21,400	21,800				35	
40		15,200	16,700	15,500	17,000	16,000	15,800	16,200	16,800	12,600		40	
45		11,300	12,700	11,600	13,000	12,100	11,900	12,200	12,800	12,600		45	
50		8,400	9,800	8,700	10,100	9,200	9,100	9,300	9,900	10,800		50	
55		6,000	7,600	6,500	7,900	7,000	6,800	7,100	7,700	8,500		55	
60		4,200	5,800	4,800	6,100	5,300	5,100	5,400	5,900	6,700		60	
65			4,200	3,300	4,600	3,800	3,700	3,900	4,500	5,300		65	
70			3,000	2,200	3,500	2,700	2,500	2,800	3,300	4,100		70	
75			2,100	1,100	2,400	1,700	1,500	1,800	2,300	3,000		75	
80					1,600	800	700	900	1,400	2,200		80	
85									700	1,400		85	
90										800		90	

Outriggers Fully Extended (100%)

 1,000 lb
  24 x 22.75 ft
  Over Rear
  39.7-197 ft
 Standard ASME B30.5









		Boom Length (ft)											
		39.7	67.90	82.00	96.10	110.20	124.30	138.50	152.60	166.70	197		
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft	
10	101,200	101,200	97,500									10	
12	101,200	101,200	92,000	79,400								12	
15	101,200	97,400	84,800	74,800								15	
20	86,600	87,400	74,500	67,000	61,000	46,200						20	
25	50,900	52,600	54,600	53,000	55,100	41,600	35,600					25	
30	33,700	35,800	37,600	36,100	38,000	36,800	33,000					30	
35	29,000	26,100	27,700	26,400	28,000	27,000	26,800	25,900				35	
40		19,700	21,200	20,000	21,600	20,600	20,400	20,700	21,000	12,600		40	
45		15,300	16,700	15,600	17,000	16,100	15,900	16,200	16,800	12,600		45	
50		11,800	13,300	12,200	13,600	12,800	12,600	12,900	13,400	12,400		50	
55		9,200	10,700	9,700	11,000	10,200	10,000	10,300	10,800	11,600		55	
60		7,100	8,600	7,600	8,900	8,100	8,000	8,200	8,800	9,600		60	
65			6,800	6,000	7,200	6,500	6,300	6,600	7,100	7,900		65	
70			5,300	4,500	5,800	5,100	4,900	5,200	5,700	6,400		70	
75			4,400	3,300	4,700	3,900	3,700	4,000	4,500	5,300		75	
80				2,300	3,600	2,900	2,700	3,000	3,500	4,200		80	
85				1,400	2,700	2,000	1,900	2,100	2,600	3,400		85	
90				900	1,900	1,300	1,100	1,400	1,900	2,600		90	
95					1,200	600	500	700	1,200	1,900		95	
100									600	1,300		100	
105										800		105	

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.







Boom

Standard configuration:		
	Locking and pinning	6 sections
	Minimum / Maximum	40 ft / 197 ft
	Maximum tip height	197.5 ft
	Boom elevation angle range (min. / max.)	-4° / 73°
Optional configuration:		
	29.5 – 52.5 ft bi-fold, swing-on jib Angular offsets Maximum tip height with fixed jib	0°, 20°, 40° 247.6 ft
	Idler sheaves Quick reeving design	
	Single nylon sheave Installs only on main boom head, compatible with jib	
	Quick reeving with 7 metal sheaves	110 USSt
	Quick reeving with 5 metal sheaves	80 USSt
	Quick reeving with 5 metal sheaves	60 USSt
	Quick reeving with 4 metal sheaves	45 USSt
	Top swivel ball with hook and latch	7 USSt
	Top swivel ball with hook and latch	12 USSt




Winch

Standard configuration:		
	Main Winch:	
	Two speed ratios 1st layer without load (low / high range) 5th layer without load (low / high range)	167 ft/min / 320 ft/min 223 ft/min / 427 ft/min
	Maximum line pull 1st layer (low / high range) 5th layer (low / high range) Permissible line pull	21,486 lb / 11,585 lb 16,076 lb / 8,666 lb 16,800 lb
Optional configuration:		
	Auxiliary Winch:	
	Two speed ratios 1st layer without load (low / high range) 5th layer without load (low / high range)	167 ft/min / 320 ft/min 223 ft/min / 427 ft/min
	Maximum line pull 1st layer (low / high range) 5th layer (low / high range) Permissible line pull	21,486 lb / 11,585 lb 16,076 lb / 8,666 lb 16,800 lb



Rope

Standard configuration:		
	6 x 19 XIP IWRC	650 ft
	Rope diameter	3/4 in
Optional configurations:		
	6 x 19 XIP IWRC	850 ft
	Rope diameter	3/4 in
	Rotation resistant compacted strand 35 x 7	650 or 850 ft
	Rope diameter	3/4 in



Cab, Controls, Operator aids and Load limiter / Load indicator

Standard configuration:	
	<p>Upper cab:</p> <ul style="list-style-type: none"> Sliding door on left side Sliding window on the right side Hinged, tinted all glass skylight 18° tiltable Work lights Six-way adjustable seat with armrest dual-axis electro-proportional joysticks Joystick control for winch(s), swing, boom elevation, and boom telescope Foot pedals for swing brake and engine rpm Hand control for engine rpm Hydraulic heat and AC <p>Lower cab:</p> <ul style="list-style-type: none"> Hinged door both sides with powered roll-down windows 2 six-way adjustable seats with seat-belts Cruise control Two speed windshield wiper with washer Heat and AC
	<p>Rated capacity indicator with graphic display of boom radius, boom angle, boom length, allowable load, actual load and % of allowable load</p> <p>Settable alarms for swing angle, boom length, boom angle, tip height and work area exclusion zone</p> <p>External signal lights indicating RLI-load</p>
Optional configuration:	
	<p>Upper cab:</p> <ul style="list-style-type: none"> Additional Work Lights on boom and upper structure


Superstructure

Standard configuration:		
	Foot pedal actuated multi-disc brake and air actuated house lock	360°
	Hydraulic driven double planetary reduction gear drive	2.8 rpm

Counterweight

Standard configuration:		
	Multiple part self-erecting counterweight system	40,000 lb
Optional configuration:		
	Additional counterweight	6,000 lb


Tires

Standard configuration:		
	Aluminium wheels with stainless hub covers Front Tires Rear Tires	445/65 R22.5 -20P 315/80 R22.5 -20P

Vehicle performance

Standard configuration:		
	Maximum design	20%
	Automatic transmission	65 mph

Hydraulic system

Standard configuration:		
	Three-pump system: Variable displacement piston pump - Main and auxiliary winches, boom hoist and telescope Single pump - Outriggers, swing and operator cab HVAC Single pump - Power steering	65 gal/min @ 4,640 psi 21 gal/min @ 3,480 psi 5 gal/min @ 2,030 psi
	Simultaneous operation of all hydraulic functions	
	Full flow with bypass protection:	
	Return	250 micron filter
	Pressurized tank with sight level gauge	175 gal

Carrier, Engine and Drive-line

Standard configuration:



Turn radius to centerline of tires

42 ft - 8 in



Axle drive system
Air brakes with ABS, air release / spring set / parking brake / hill start aid

8 x 4 drive

Front axle – maximum capacity
Fabricated drop beam with equalizer air suspension mounting

48,000 lb

Rear axle – maximum capacity
Interaxle differential with lock-out, equalizer air suspension mounting

60,000 lb

Air over spring trailing arm suspension

Front and rear



Engine and transmission, EPA 2017 compliant
Detroit Diesel DD13
Intake: Turbocharged and aftercooled
Rated power
Rated torque
Eaton UltraShift Plus fully automated 10-speed transmission
Fuel type
Engine brake

13 L / 505 hp @ 1,625 rpm
1,750 ft-lb @ 1,500 rpm

Ultra low sulfur diesel
Jacobs type

Fuel tank capacity

100 gallon



Voltage
3 Batteries
Alternator

12 VDC
1,000 CCA each
130 amp

Effective Date: February 2017. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2017 Terex Corporation.

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