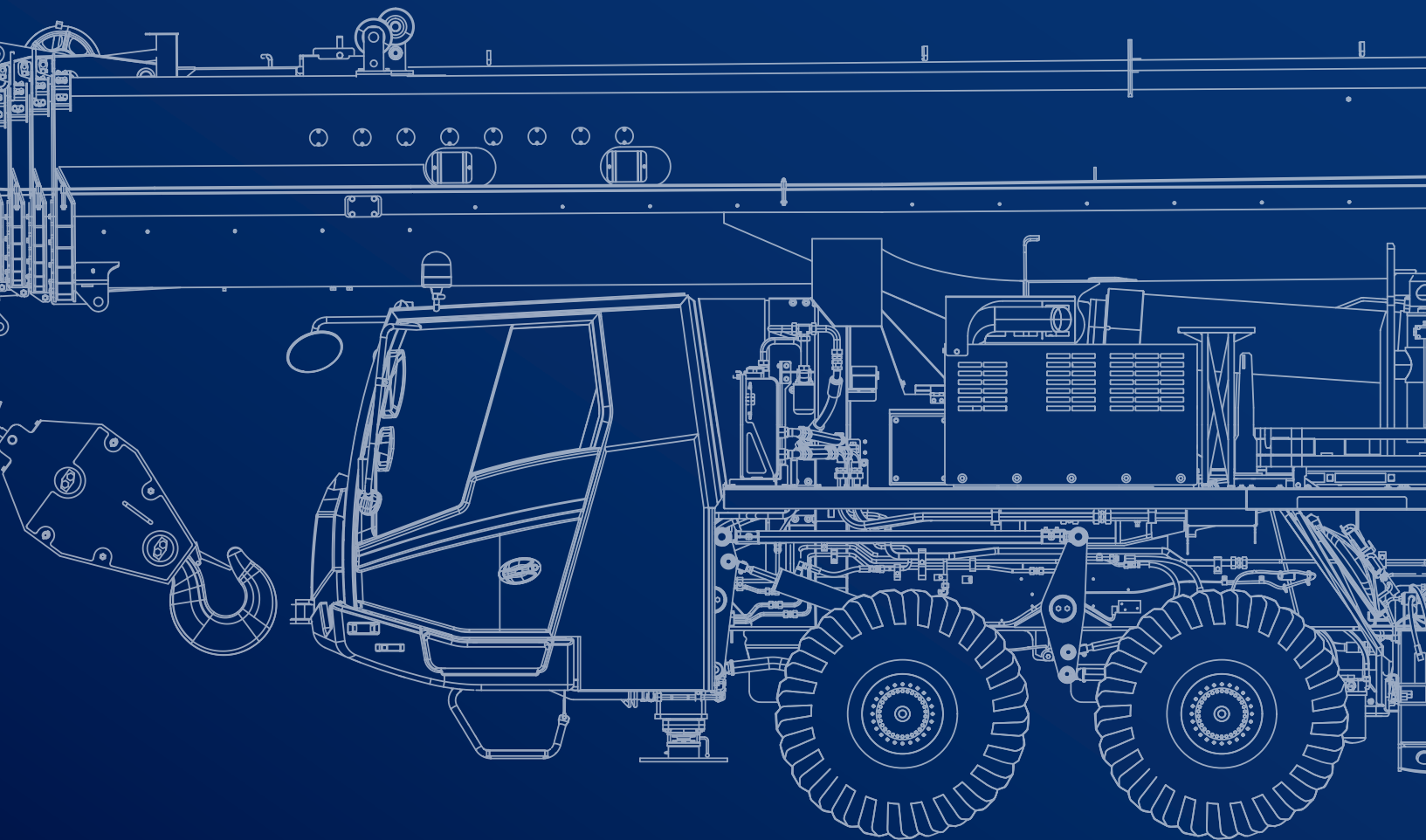


GT-1200XL-2

120 US TON MAX. CRANE CAPACITY





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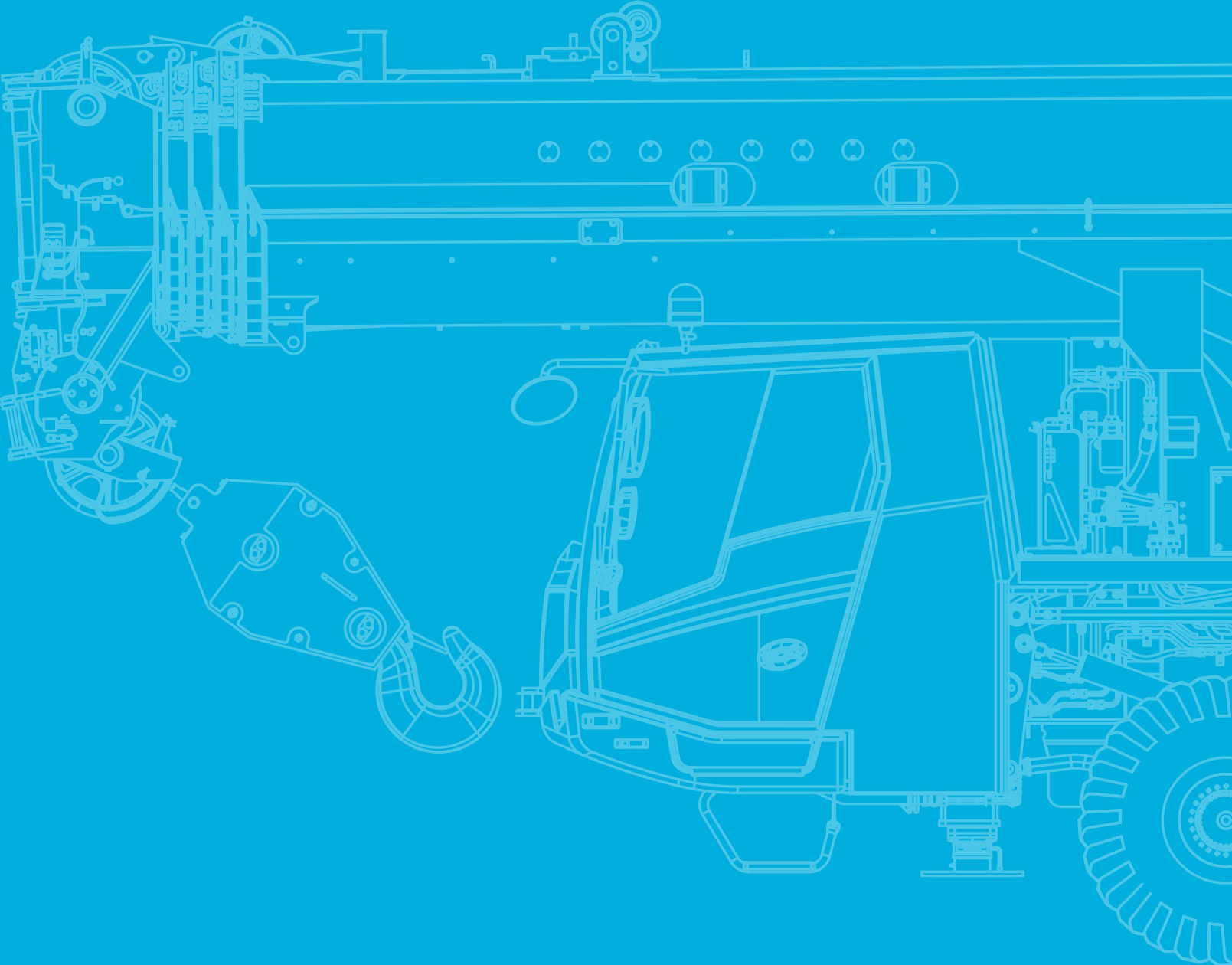
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Key



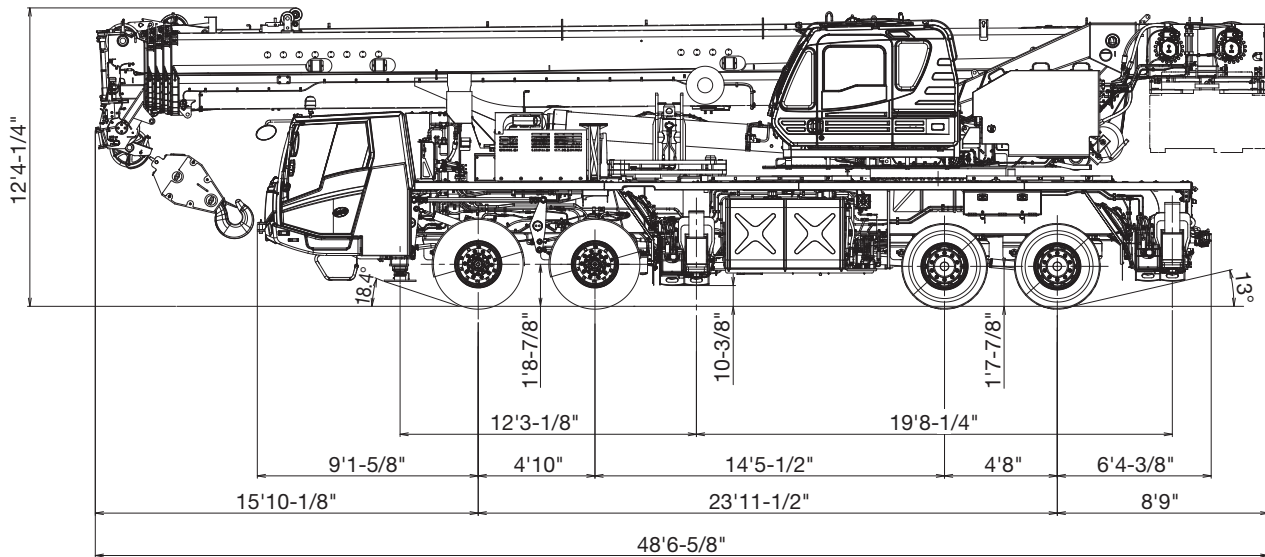
	Counterweight		Max. line pull
	Lifting capacities on outriggers · 360°		Rope diameter
	Radius		Rope length
	Main boom		Hook block
	Main boom length		Number of lines
	Folding swing-away jib		Number of sheaves in hook block
	Tires		Line pulls available
	Hook block		Possible load of hook block
	Hook ball		Weight of hook block
	Hoist		Distance head sheave axle – hook ground
	Travel speed		Max. outrigger load
	Working speeds		Length of stroke (support cylinders)
	Rope		Base machine
	Base jib		Gross vehicle weight
	Top jib		Weight on front axle
	Boom telescoping		Weight on rear axle
	Boom elevation		Wire rope layer
	Slewing		Total wire rope
	Dolly		

SPECIFICATIONS

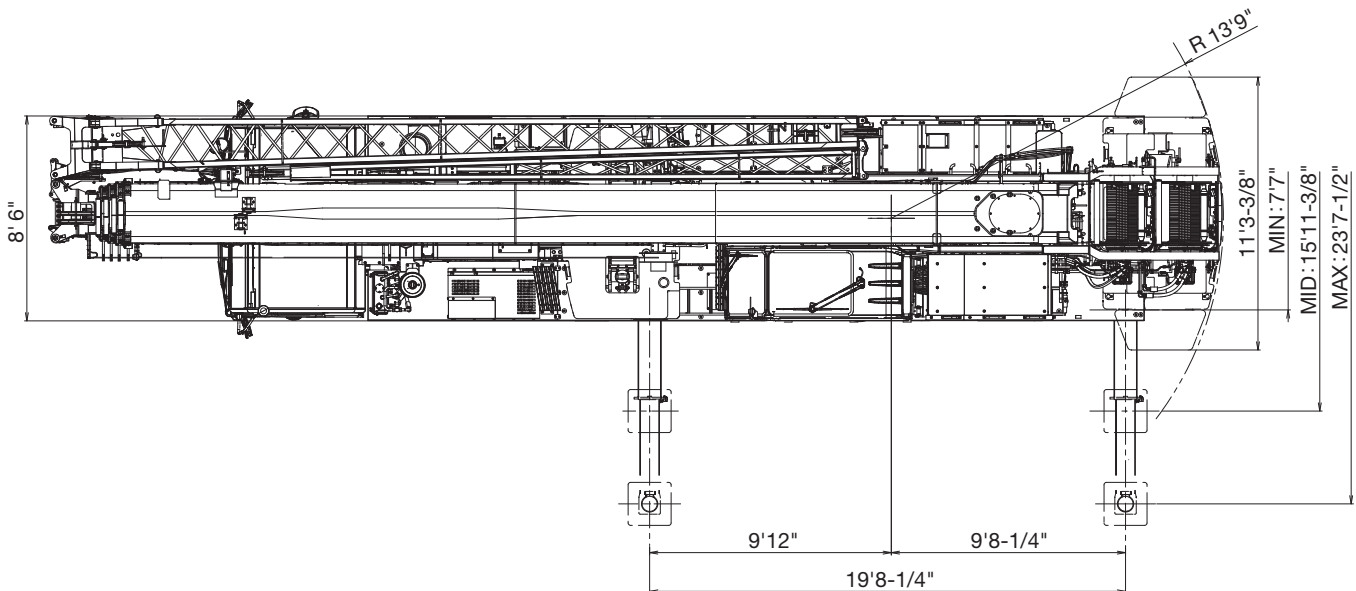


Specifications

Vehicle dimensions

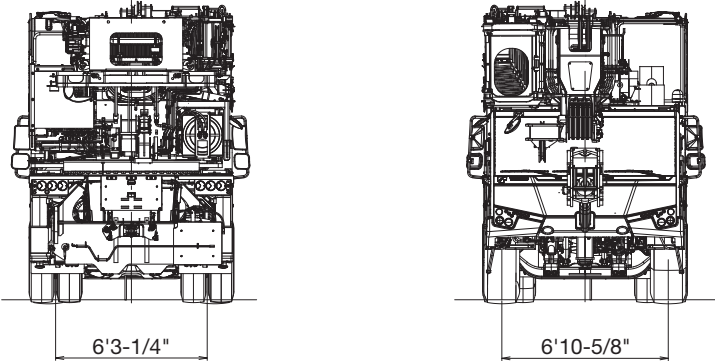


Dimension is with boom angle at -0.4 degree.



Specifications

Vehicle dimensions

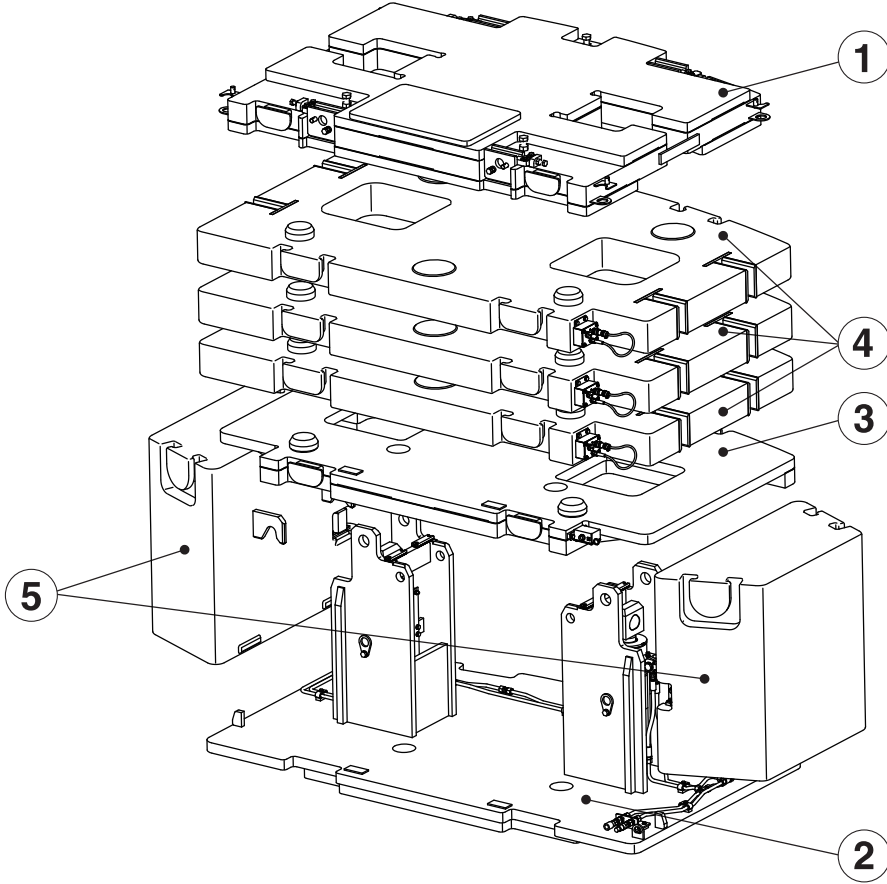


General dimensions

Overall length	approx. 48' 6-5/8"
Overall width	approx. 8' 6"
Overall height	approx. 12' 4-1/4"
Turning radius: Front tire (curb to curb)	46' 3"

Specifications

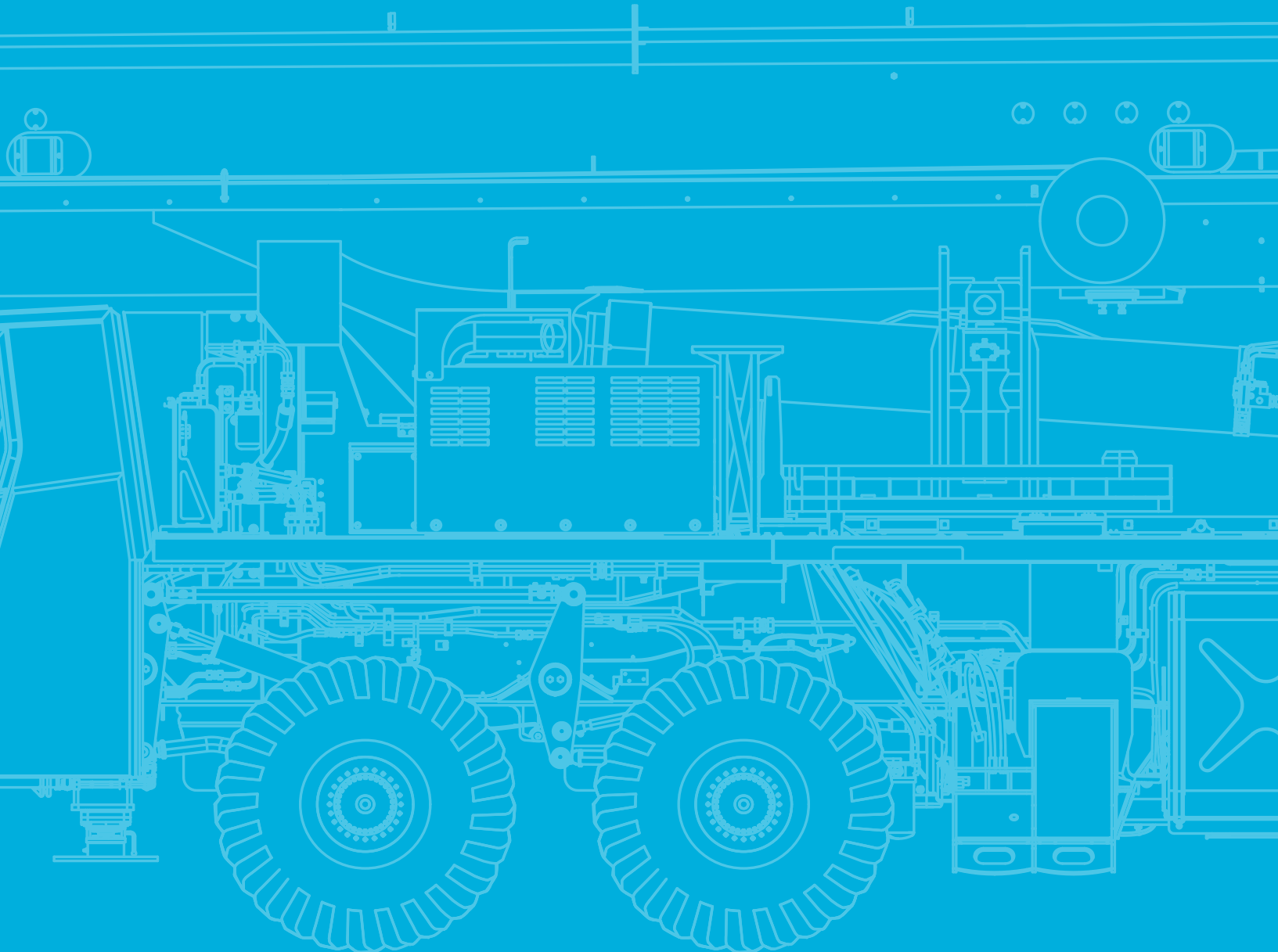
Counterweight



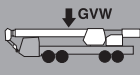
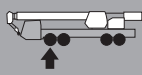
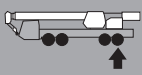









Configurations

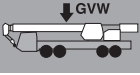
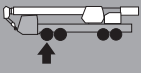



	0 lb	7,700 lb	12,800 lb	17,900 lb	25,400 lb	33,000 lb	40,600 lb	55,100 lb
① 7,700 lb		1	1	1	1	1	1	1
② 5,100 lb			1	1	1	1	1	1
③ 5,100 lb				1	1	1	1	1
④ 7,550 lb					1	2	3	3
⑤ 7,300 lb								2

TECHNICAL DATA FOR OFF-ROAD DRIVING



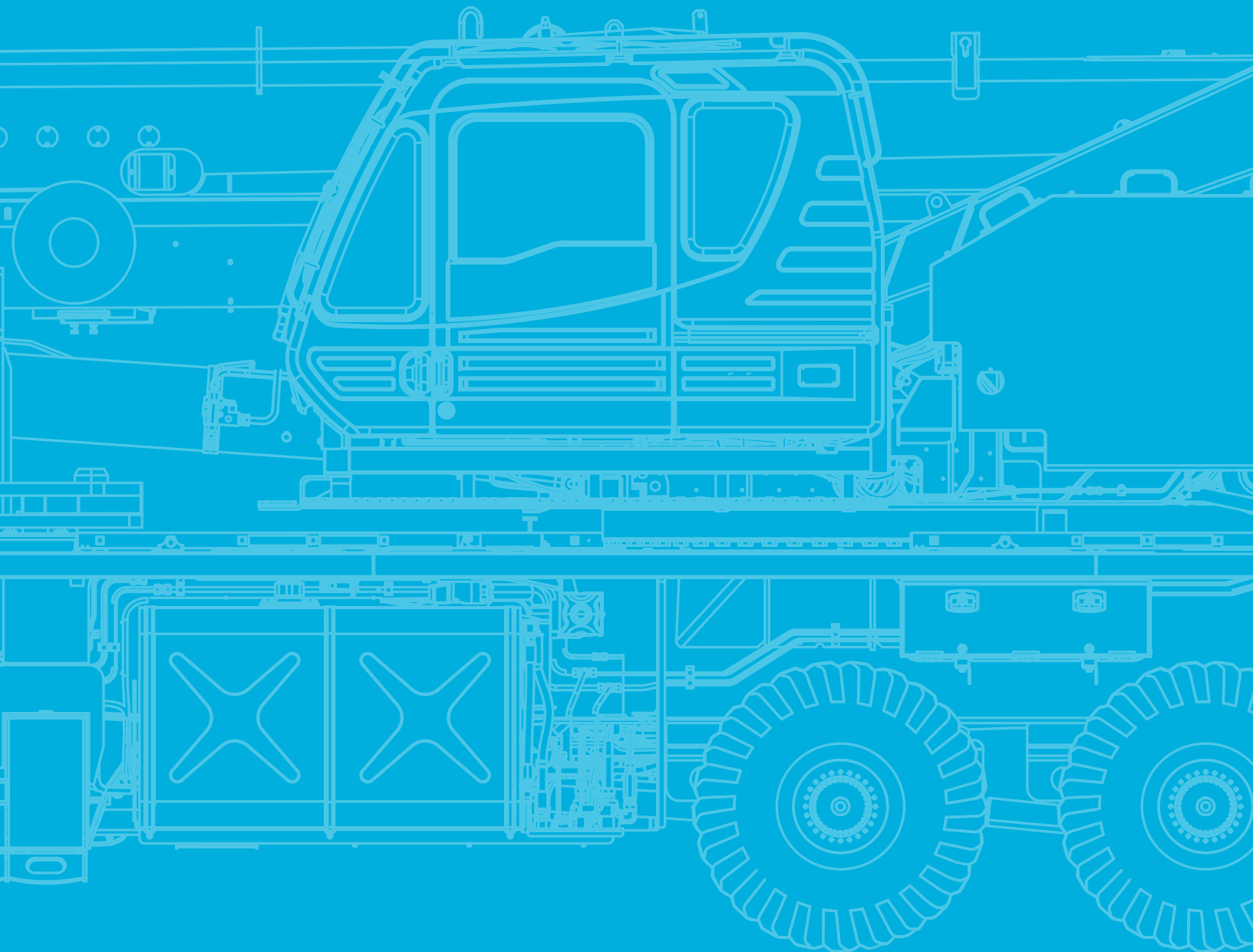
Off-road driving

Axle weight distribution chart			
			
	89,900 lb	44,800 lb	45,100 lb
Remove:			
 7.9 ton	-400 lb	-650 lb	250 lb
 Top jib +  Base jib	-2,550 lb	-2,950 lb	400 lb
Single top	-100 lb	-200 lb	100 lb
Add:			
 7.9 ton (stowed on carrier deck)	400 lb	450 lb	-50 lb
 55 ton	1,450 lb	2,500 lb	-1,050 lb
 7,700 lb on upper	7,700 lb	-3,450 lb	11,150 lb
 7,700 lb on upper + 5,100 lb on carrier deck	12,800 lb	200 lb	12,600 lb
 7,700 lb on upper + 10,200 lb on carrier deck	17,900 lb	3,850 lb	14,050 lb

Axle weight distribution equipped with dolly				
				
	89,500 lb	34,100 lb	38,800 lb	16,600 lb
without 7.9 ton hook – dolly weight is not included				

Speeds	
	Max. traveling speed: 65 mph

TECHNICAL DATA FOR OPERATION



Operation







Main boom

	approx. 280 s (41.0 ft – 167.3 ft)		-1.5° – 80.5° approx. 40 s (20° – 60°)
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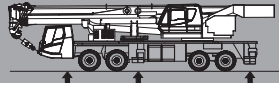


Slewing

	1.5 min ⁻¹
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

Hoist

				
	446 ft/min	15,900 lb	3/4"	892'
	446 ft/min	15,900 lb	3/4"	482'

Outrigger cylinders

			
	43,400 lb	134,700 lb	128,000 lb
	2' 1-3/16"	1' 5-11/16"	1' 7-7/8"

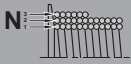



Hook blocks

					
7.9 ton	15,800 lb	–	1	370 lb	7.5 ft
22 ton	44,000 lb	1	2	690 lb	7.6 ft
55 ton	110,000 lb	3	6	1410 lb	8.0 ft
100 ton	200,000 lb	7	14	1800 lb	8.0 ft

Operation

Line speeds and pulls

Main or auxiliary winch – 15" drum

 N	 low	 high	 low
1	253 ft/min.	354 ft/min.	21,800 lb
2	276 ft/min.	384 ft/min.	19,900 lb
3	299 ft/min.	413 ft/min.	18,200 lb
4	318 ft/min.	446 ft/min.	16,800 lb
5	341 ft/min.	476 ft/min.	15,600 lb

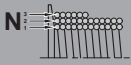



Maximum permissible line pull wire strength. 15,900 lb with 7 x 35 class rope.

1) Line speed based only on hook block, not loaded.

2) Developed by machinery with each layer of wire rope, but not based on rope strength or other limitations in machinery or equipment.

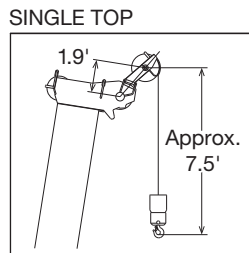
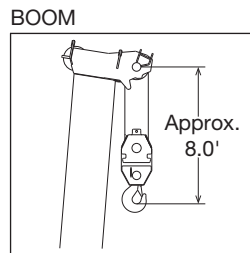
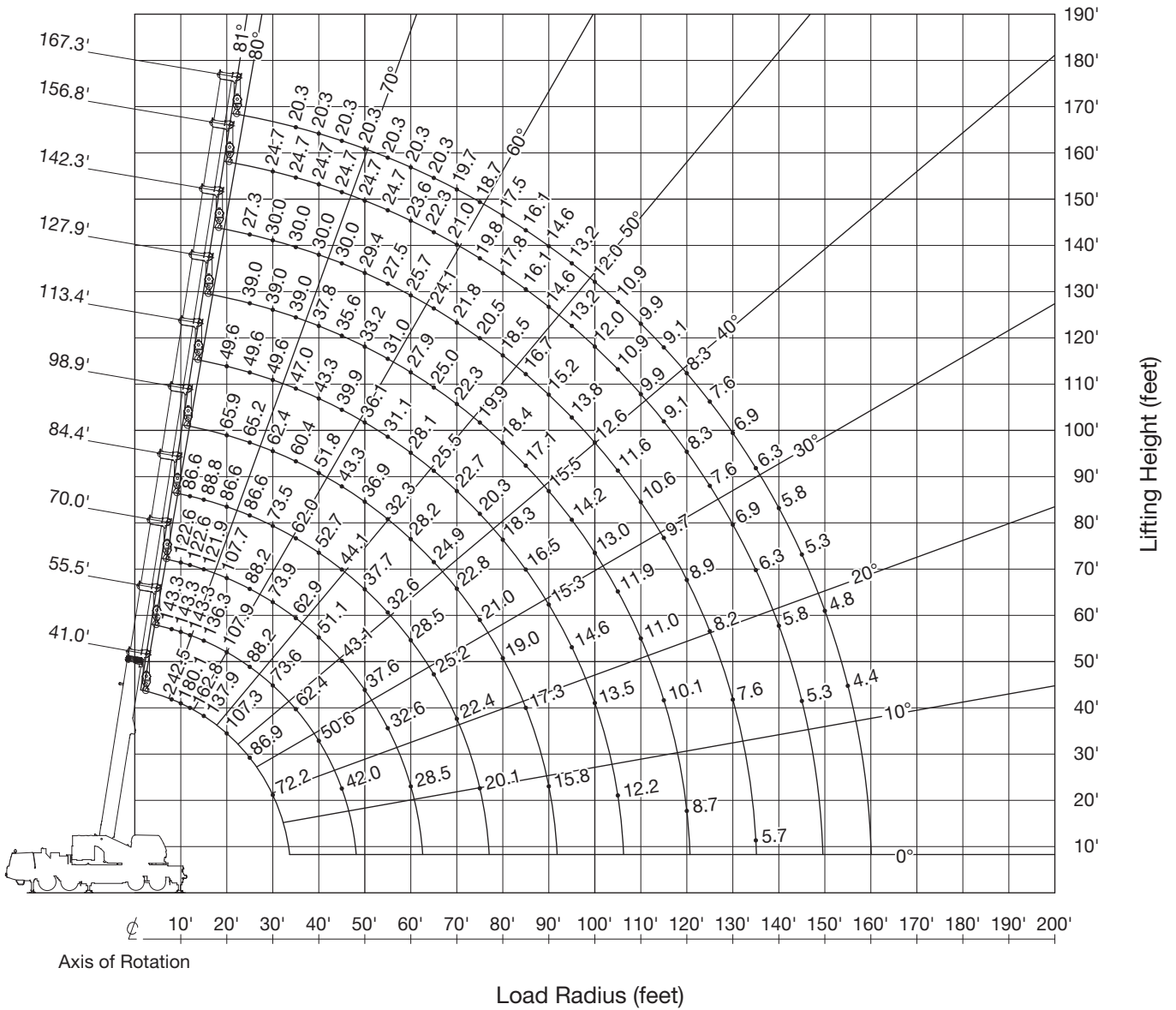
Drum wire rope capacities

Main and auxiliary drum grooved lagging 3/4" wire rope

 N	 	 Σ
1	147.0 ft	147.0 ft
2	159.4 ft	306.4 ft
3	172.2 ft	478.7 ft
4	184.7 ft	663.4 ft
5	197.2 ft	860.6 ft

Drum dimensions

Root diameter	15"
Length	29-1/4"
Flange diameter	26-5/8"





NOTE:

Boom geometry shown are for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

Operation

Fully extended – 360°

55,100 lb		23'7-1/2" x 19'8-1/4"												360°			
		41.0'*	41.0'	55.5'	55.5'	55.5'	55.5'	70.0'	70.0'	70.0'	70.0'	70.0'	70.0'	84.4'	84.4'	84.4'	84.4'
ft		lb															
8		242,500	186,700	143,300	127,900	88,200	77,200	-	-	-	-	-	-	-	-	-	-
10		180,100	180,100	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	65,700	-	-	-	-	-
12		162,800	162,800	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	60,200	-	86,600	77,200	-	-
15		137,900	137,900	136,300	127,900	88,200	75,600	117,400	121,900	88,200	77,200	53,500	88,800	86,600	77,200	57,600	-
20		107,300	107,300	107,000	107,900	88,200	65,000	101,000	107,700	88,200	71,200	45,100	85,100	86,600	75,800	49,400	-
25		86,900	86,900	86,400	87,400	88,200	57,300	86,000	87,200	88,200	63,500	39,000	75,500	86,600	68,300	43,200	-
30		72,200	72,200	71,700	72,700	73,600	51,300	71,300	72,500	73,900	57,500	34,300	67,000	73,500	62,200	38,500	-
35		-	-	59,500	61,100	62,400	46,600	58,700	60,600	62,900	52,000	30,600	59,700	62,000	57,200	34,700	-
40		-	-	47,900	49,300	50,600	42,900	47,200	49,000	51,100	47,100	27,700	48,200	50,400	52,700	31,600	-
45		-	-	39,500	40,900	42,000	40,200	38,800	40,500	42,500	43,100	25,200	39,800	41,900	44,100	28,900	-
50		-	-	-	-	-	-	32,500	34,100	36,100	37,600	23,200	33,500	35,500	37,700	26,600	-
55		-	-	-	-	-	-	27,600	29,200	31,100	32,600	21,600	28,500	30,500	32,600	24,600	-
60		-	-	-	-	-	-	23,800	25,300	27,100	28,500	20,300	24,600	26,500	28,500	22,900	-
65		-	-	-	-	-	-	-	-	-	-	-	21,300	23,200	25,200	21,400	-
70		-	-	-	-	-	-	-	-	-	-	-	18,600	20,500	22,400	20,200	-
75		-	-	-	-	-	-	-	-	-	-	-	16,400	18,200	20,100	19,100	-
		16	12	10	9	6	5	8	8	6	5	5	6	6	5	4	
1)		39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000
2)		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
3)		1	1	5	4	3	1	5	4	3	2	1	4	3	2	1	
4)		1	1	21	18	14	2	22	19	15	10	3	20	16	11	4	

Telescopic conditions (%)

Tele 1	0	0	46	0	0	0	92	46	0	0	0	92	46	0	0
Tele 2	0	0	0	46	0	0	0	46	46	0	0	46	46	46	0
Tele 3	0	0	0	0	46	0	0	0	46	46	0	0	46	46	46
Tele 4	0	0	0	0	0	46	0	0	0	46	92	0	0	46	92

* Over rear with special equipment

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Fully extended – 360°

55,100 lb		23'7-1/2" x 19'8-1/4"														360°	
ft	98.9'	98.9'	98.9'	98.9'	98.9'	113.4'	113.4'	113.4'	127.9'	127.9'	127.9'	127.9'	142.3'	142.3'	156.8'	167.3'	
	lb																
20	65,900	62,400	59,500	52,500	45,300	49,600	45,400	40,100	-	-	-	-	-	-	-	-	
25	65,200	62,400	54,800	46,500	39,500	49,600	45,400	39,900	39,000	37,300	36,200	32,000	-	27,300	-	-	
30	59,100	62,400	50,100	41,700	34,600	49,600	44,000	36,600	39,000	37,300	36,200	32,000	30,000	27,300	24,700	-	
35	53,500	60,400	45,400	37,800	30,800	47,000	40,100	33,100	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
40	48,500	51,800	41,500	34,700	27,700	43,300	36,900	30,000	37,800	37,300	35,900	30,900	30,000	27,300	24,700	20,300	
45	41,000	43,300	38,100	32,000	25,100	39,900	34,200	27,400	35,200	35,600	33,600	29,000	30,000	27,300	24,700	20,300	
50	34,700	36,900	35,200	29,700	23,000	36,100	31,900	25,200	32,700	33,200	31,500	26,800	29,400	27,200	24,700	20,300	
55	29,700	31,900	32,300	27,600	21,100	31,100	29,900	23,300	30,400	31,000	29,600	24,900	27,500	25,800	24,700	20,300	
60	25,700	27,800	28,200	25,800	19,600	27,100	28,100	21,700	27,100	27,900	27,800	23,300	25,700	24,400	23,600	20,300	
65	22,400	24,500	24,900	24,200	18,200	23,800	25,500	20,300	23,900	24,600	25,000	21,800	24,100	23,100	22,300	20,300	
70	19,700	21,700	22,100	22,800	17,000	21,000	22,700	19,000	21,100	21,900	22,300	20,600	21,500	21,800	21,000	19,700	
75	17,400	19,400	19,800	21,000	16,000	18,700	20,300	18,000	18,800	19,500	19,900	19,400	19,200	20,500	19,800	18,700	
80	15,400	17,400	17,700	19,000	15,100	16,600	18,300	17,000	16,800	17,500	17,900	18,400	17,200	18,500	17,800	17,500	
85	13,700	15,700	16,000	17,300	14,300	14,900	16,500	16,100	15,000	15,700	16,100	17,100	15,400	16,700	16,100	16,100	
90	12,300	14,200	14,500	15,800	13,600	13,400	15,000	15,300	13,500	14,200	14,600	15,500	13,900	15,200	14,600	14,600	
95	-	-	-	-	-	12,100	13,700	14,600	12,100	12,900	13,200	14,200	12,500	13,800	13,200	13,200	
100	-	-	-	-	-	10,900	12,500	13,500	10,900	11,700	12,000	13,000	11,300	12,600	12,000	12,000	
105	-	-	-	-	-	9,600	11,000	12,200	9,900	10,600	11,000	11,900	10,300	11,600	10,900	10,900	
110	-	-	-	-	-	-	-	-	9,000	9,700	10,000	11,000	9,300	10,600	9,900	9,900	
115	-	-	-	-	-	-	-	-	8,100	8,800	9,200	10,100	8,500	9,700	9,100	9,100	
120	-	-	-	-	-	-	-	-	6,600	7,200	7,600	8,700	7,700	8,900	8,300	8,300	
125	-	-	-	-	-	-	-	-	-	-	-	-	7,000	8,200	7,600	7,600	
130	-	-	-	-	-	-	-	-	-	-	-	-	6,400	7,600	6,900	6,900	
135	-	-	-	-	-	-	-	-	-	-	-	-	4,600	5,700	6,300	6,300	
140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,800	5,800	
145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,300	5,300	
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,800	
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,400	
	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
3)	3	2	6	7	1	2	7	1	6	7	8	1	8	1	1	9	
4)	17	12	23	25	5	13	26	6	24	27	28	7	29	8	9	30	

Telescopic conditions (%)

Tele 1	92	46	0	0	0	92	46	0	92	92	46	0	92	46	92	100
Tele 2	46	46	92	46	0	46	46	46	92	46	92	92	92	92	92	100
Tele 3	46	46	46	46	92	46	46	92	46	46	92	92	92	92	92	100
Tele 4	0	46	46	92	92	46	92	92	46	92	46	92	46	92	92	100


- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation

Fully extended – 360°

40,600 lb		23'7-1/2" x 19'8-1/4"												360°		
41.0'*		41.0'	55.5'	55.5'	55.5'	55.5'	70.0'	70.0'	70.0'	70.0'	70.0'	70.0'	84.4'	84.4'	84.4'	84.4'
ft	lb															
8	201,800	186,700	143,300	127,900	88,200	77,200	-	-	-	-	-	-	-	-	-	-
10	180,100	180,100	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	65,700	-	-	-	-	-
12	160,000	160,000	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	60,200	-	86,600	77,200	-	-
15	134,100	134,100	133,800	127,900	88,200	75,600	117,400	121,900	88,200	77,200	53,500	88,800	86,600	77,200	57,600	-
20	103,900	103,900	103,500	104,500	88,200	65,000	101,000	104,200	88,200	71,200	45,100	85,100	86,600	75,800	49,400	-
25	83,700	83,700	83,200	84,300	85,100	57,300	82,800	84,000	85,500	63,500	39,000	75,500	85,100	68,300	43,200	-
30	65,700	65,700	64,800	66,500	67,900	51,300	63,800	65,800	68,300	57,500	34,300	64,900	67,400	62,200	38,500	-
35	-	-	49,800	51,300	52,700	46,600	49,000	50,900	53,200	52,000	30,600	50,000	52,300	54,800	34,700	-
40	-	-	39,800	41,200	42,400	42,900	39,000	40,800	42,900	44,600	27,700	40,100	42,200	44,600	31,600	-
45	-	-	32,500	33,900	35,000	35,900	31,800	33,500	35,500	37,100	25,200	32,800	34,900	37,100	28,900	-
50	-	-	-	-	-	-	26,400	28,000	29,900	31,400	23,200	27,400	29,400	31,500	26,600	-
55	-	-	-	-	-	-	22,200	23,700	25,600	27,100	21,600	23,100	25,000	27,100	24,600	-
60	-	-	-	-	-	-	18,800	20,300	22,100	23,600	20,300	19,600	21,500	23,600	22,900	-
65	-	-	-	-	-	-	-	-	-	-	-	16,800	18,700	20,700	21,400	-
70	-	-	-	-	-	-	-	-	-	-	-	14,500	16,300	18,300	19,400	-
75	-	-	-	-	-	-	-	-	-	-	-	12,600	14,400	16,300	17,500	-
	16	12	10	9	6	5	8	8	6	5	5	6	6	5	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
3)	1	1	5	4	3	1	5	4	3	2	1	4	3	2	1	
4)	1	1	21	18	14	2	22	19	15	10	3	20	16	11	4	

Telescopic conditions (%)

Tele 1	0	0	46	0	0	0	92	46	0	0	0	92	46	0	0
Tele 2	0	0	0	46	0	0	0	46	46	0	0	46	46	46	0
Tele 3	0	0	0	0	46	0	0	0	46	46	0	0	46	46	46
Tele 4	0	0	0	0	0	46	0	0	0	46	92	0	0	46	92

* with the special equipment

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Fully extended – 360°

40,600 lb		23'7-1/2" x 19'8-1/4"														360°	
ft	98.9'	98.9'	98.9'	98.9'	98.9'	113.4'	113.4'	113.4'	127.9'	127.9'	127.9'	127.9'	142.3'	142.3'	156.8'	167.3'	
	lb																
20	65,900	62,400	59,500	52,500	45,300	49,600	45,400	40,100	-	-	-	-	-	-	-	-	
25	65,200	62,400	54,800	46,500	39,500	49,600	45,400	39,900	39,000	37,300	36,200	32,000	-	27,300	-	-	
30	59,100	62,400	50,100	41,700	34,600	49,600	44,000	36,600	39,000	37,300	36,200	32,000	30,000	27,300	24,700	-	
35	51,300	53,800	45,400	37,800	30,800	47,000	40,100	33,100	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
40	41,200	43,700	41,500	34,700	27,700	42,800	36,900	30,000	37,800	37,300	35,900	30,900	30,000	27,300	24,700	20,300	
45	34,000	36,300	36,800	32,000	25,100	35,400	34,200	27,400	35,200	35,600	33,600	29,000	30,000	27,300	24,700	20,300	
50	28,500	30,800	31,200	29,700	23,000	29,900	31,700	25,200	30,000	30,800	31,200	26,800	29,400	27,200	24,700	20,300	
55	24,300	26,400	26,800	27,600	21,100	25,600	27,400	23,300	25,700	26,500	26,900	24,900	26,100	25,800	24,700	20,300	
60	20,700	22,900	23,300	24,600	19,600	22,100	23,900	21,700	22,200	23,000	23,400	23,300	22,600	24,000	23,300	20,300	
65	17,900	20,000	20,400	21,700	18,200	19,300	21,000	20,300	19,400	20,100	20,500	21,500	19,800	21,100	20,500	20,300	
70	15,500	17,600	18,000	19,300	17,000	16,900	18,600	19,000	17,000	17,700	18,100	19,100	17,400	18,700	18,100	18,100	
75	13,600	15,600	15,900	17,200	16,000	14,800	16,500	17,500	14,900	15,700	16,100	17,100	15,400	16,700	16,000	16,000	
80	11,900	13,800	14,200	15,500	15,100	13,100	14,700	15,800	13,200	13,900	14,300	15,300	13,600	14,900	14,300	14,300	
85	10,400	12,300	12,700	14,000	14,200	11,600	13,200	14,200	11,700	12,400	12,800	13,800	12,100	13,400	12,800	12,800	
90	9,200	11,100	11,400	12,700	12,900	10,300	11,900	12,900	10,400	11,100	11,500	12,400	10,800	12,100	11,400	11,500	
95	-	-	-	-	-	9,100	10,700	11,700	9,200	9,900	10,300	11,200	9,600	10,900	10,300	10,300	
100	-	-	-	-	-	8,100	9,700	10,700	8,200	8,900	9,300	10,200	8,600	9,900	9,200	9,200	
105	-	-	-	-	-	7,300	8,900	9,900	7,300	8,000	8,400	9,300	7,700	8,900	8,300	8,300	
110	-	-	-	-	-	-	-	-	6,500	7,200	7,500	8,500	6,800	8,100	7,500	7,500	
115	-	-	-	-	-	-	-	-	5,800	6,500	6,800	7,800	6,100	7,300	6,700	6,700	
120	-	-	-	-	-	-	-	-	5,100	5,800	6,200	7,200	5,400	6,700	6,000	6,000	
125	-	-	-	-	-	-	-	-	-	-	-	-	4,800	6,100	5,400	5,400	
130	-	-	-	-	-	-	-	-	-	-	-	-	4,300	5,600	4,800	4,800	
135	-	-	-	-	-	-	-	-	-	-	-	-	3,900	5,100	4,300	4,300	
140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,900	3,800	
145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
3)	3	2	6	7	1	2	7	1	6	7	8	1	8	1	1	9	
4)	17	12	23	25	5	13	26	6	24	27	28	7	29	8	9	30	

Telescopic conditions (%)

Tele 1	92	46	0	0	0	92	46	0	92	92	46	0	92	46	92	100
Tele 2	46	46	92	46	0	46	46	46	92	46	92	92	92	92	92	100
Tele 3	46	46	46	46	92	46	46	92	46	46	92	92	92	92	92	100
Tele 4	0	46	46	92	92	46	92	92	46	92	46	92	46	92	92	100



- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation

Fully extended – 360°

17,900 lb		23'7-1/2" x 19'8-1/4"												360°			
		41.0'*	41.0'	55.5'	55.5'	55.5'	55.5'	70.0'	70.0'	70.0'	70.0'	70.0'	70.0'	84.4'	84.4'	84.4'	84.4'
ft	lb																
8	201,800	186,700	143,300	127,900	88,200	77,200	-	-	-	-	-	-	-	-	-	-	-
10	175,500	175,500	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	65,700	-	-	-	-	-	-
12	153,200	153,200	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	60,200	-	86,600	77,200	-	-	-
15	127,600	127,600	127,300	127,900	88,200	75,600	117,400	121,900	88,200	77,200	53,500	88,800	86,600	77,200	57,600	-	-
20	97,900	97,900	97,500	98,500	88,200	65,000	97,000	98,300	88,200	71,200	45,100	85,100	86,600	75,800	49,400	-	-
25	65,300	65,300	64,300	66,200	67,800	57,300	63,000	65,300	68,100	63,500	39,000	64,200	67,000	68,300	43,200	-	-
30	46,800	46,800	46,000	47,700	49,100	50,200	45,000	47,000	49,500	51,300	34,300	46,100	48,600	51,200	38,500	-	-
35	-	-	34,700	36,200	37,500	38,500	33,900	35,800	38,000	39,700	30,600	34,900	37,200	39,600	34,700	-	-
40	-	-	27,100	28,500	29,700	30,700	26,300	28,100	30,200	31,900	27,700	27,400	29,500	31,900	31,600	-	-
45	-	-	21,600	23,000	24,100	25,000	20,900	22,600	24,600	26,100	25,200	21,900	24,000	26,200	27,500	-	-
50	-	-	-	-	-	-	16,800	18,400	20,300	21,800	22,000	17,800	19,800	21,900	23,100	-	-
55	-	-	-	-	-	-	13,600	15,200	17,100	18,500	18,700	14,500	16,500	18,600	19,800	-	-
60	-	-	-	-	-	-	11,100	12,600	14,400	15,900	16,000	11,900	13,800	15,900	17,000	-	-
65	-	-	-	-	-	-	-	-	-	-	-	9,800	11,700	13,700	14,800	-	-
70	-	-	-	-	-	-	-	-	-	-	-	8,100	9,900	11,900	13,000	-	-
75	-	-	-	-	-	-	-	-	-	-	-	6,600	8,400	10,400	11,500	-	-
	16	12	10	9	6	5	8	8	6	5	5	6	6	5	4		
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
3)	1	1	5	4	3	1	5	4	3	2	1	4	3	2	1		
4)	1	1	21	18	14	2	22	19	15	10	3	20	16	11	4		

Telescopic conditions (%)

Tele 1	0	0	46	0	0	0	92	46	0	0	0	92	46	0	0
Tele 2	0	0	0	46	0	0	0	46	46	0	0	46	46	46	0
Tele 3	0	0	0	0	46	0	0	0	46	46	0	0	46	46	46
Tele 4	0	0	0	0	0	46	0	0	0	46	92	0	0	46	92

* with the special equipment

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Fully extended – 360°

17,900 lb		23'7-1/2" x 19'8-1/4"														360°	
ft	98.9'	98.9'	98.9'	98.9'	98.9'	113.4'	113.4'	113.4'	127.9'	127.9'	127.9'	127.9'	142.3'	142.3'	156.8'	167.3'	
	lb																
20	65,900	62,400	59,500	52,500	45,300	49,600	45,400	40,100	-	-	-	-	-	-	-	-	
25	65,200	62,400	54,800	46,500	39,500	49,600	45,400	39,900	39,000	37,300	36,200	32,000	-	27,300	-	-	
30	47,400	50,200	50,100	41,700	34,600	49,200	44,000	36,600	39,000	37,300	36,200	32,000	30,000	27,300	24,700	-	
35	36,100	38,700	39,200	37,800	30,800	37,700	39,800	33,100	37,800	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
40	28,500	31,000	31,400	33,000	27,700	30,100	32,100	30,000	30,100	31,000	31,500	30,900	30,000	27,300	24,700	20,300	
45	23,000	25,400	25,800	27,300	25,100	24,500	26,400	27,400	24,600	25,400	25,900	27,000	25,000	26,500	24,700	20,300	
50	18,900	21,200	21,600	23,000	23,000	20,300	22,200	23,300	20,400	21,200	21,600	22,700	20,800	22,300	21,600	20,300	
55	15,700	17,900	18,300	19,700	19,900	17,100	18,800	19,900	17,100	17,900	18,400	19,400	17,500	19,000	18,300	18,300	
60	13,100	15,200	15,600	16,900	17,200	14,400	16,200	17,200	14,500	15,300	15,700	16,700	14,900	16,300	15,600	15,600	
65	10,900	13,000	13,400	14,700	14,900	12,300	14,000	15,000	12,300	13,100	13,500	14,500	12,800	14,100	13,400	13,400	
70	9,100	11,200	11,500	12,900	13,100	10,400	12,100	13,100	10,600	11,300	11,700	12,700	11,000	12,300	11,600	11,600	
75	7,600	9,600	10,000	11,300	11,500	8,900	10,600	11,600	9,000	9,700	10,100	11,100	9,400	10,800	10,100	10,100	
80	6,300	8,300	8,700	9,900	10,100	7,600	9,200	10,200	7,700	8,400	8,800	9,800	8,100	9,400	8,800	8,800	
85	5,200	7,200	7,500	8,800	9,000	6,400	8,100	9,100	6,500	7,300	7,700	8,600	6,900	8,200	7,600	7,600	
90	4,300	6,200	6,600	7,800	8,000	5,400	7,100	8,000	5,500	6,200	6,600	7,600	5,900	7,200	6,500	6,500	
95	-	-	-	-	-	4,500	6,200	7,200	4,600	5,300	5,700	6,700	5,000	6,300	5,600	5,600	
100	-	-	-	-	-	3,700	5,400	6,400	3,800	4,500	4,900	5,900	4,200	5,500	4,900	4,800	
105	-	-	-	-	-	-	4,700	5,700	-	3,800	4,200	5,200	-	4,800	4,100	4,100	
110	-	-	-	-	-	-	-	-	-	-	-	4,500	-	4,100	-	-	
115	-	-	-	-	-	-	-	-	-	-	-	4,000	-	-	-	-	
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	31°	0°	39°	47°	
3)	3	2	6	7	1	2	7	1	6	7	8	1	8	1	1	9	
4)	17	12	23	25	5	13	26	6	24	27	28	7	29	8	9	30	

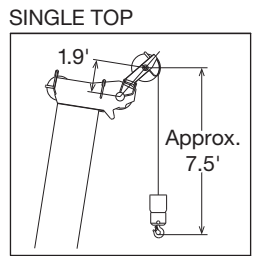
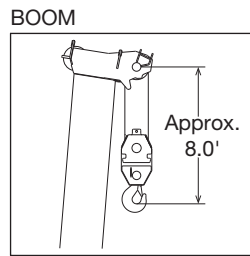
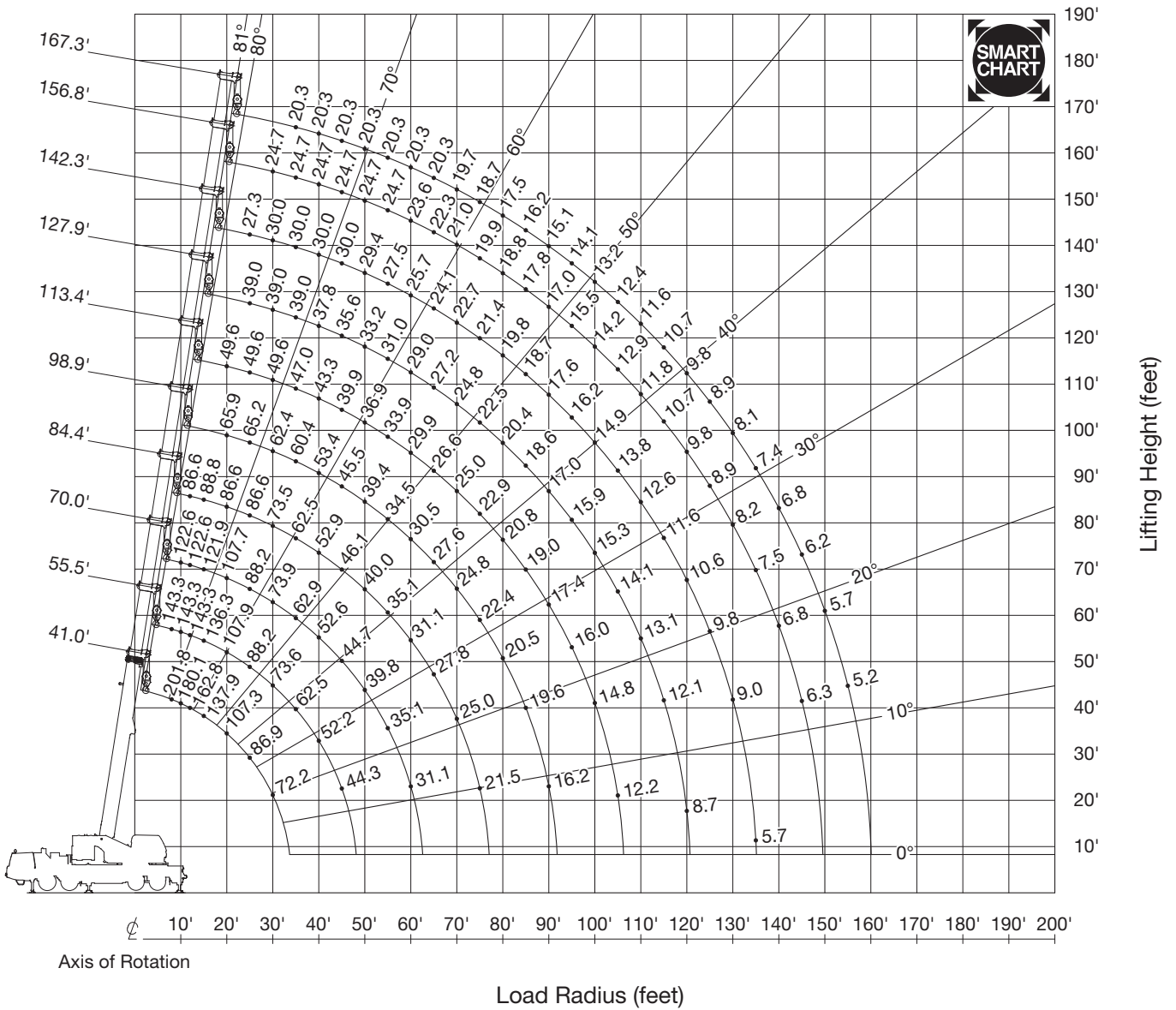
Telescopic conditions (%)

Tele 1	92	46	0	0	0	92	46	0	92	92	46	0	92	46	92	100
Tele 2	46	46	92	46	0	46	46	46	92	46	92	92	92	92	92	100
Tele 3	46	46	46	46	92	46	46	92	46	46	92	92	92	92	92	100
Tele 4	0	46	46	92	92	46	92	92	46	92	46	92	46	92	92	100

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



NOTE:

Boom geometry shown are for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

Fully extended – SMART CHART

55,100 lb		23'7-1/2" x 19'8-1/4"												360°			
		41.0'*	41.0'	55.5'	55.5'	55.5'	55.5'	70.0'	70.0'	70.0'	70.0'	70.0'	70.0'	84.4'	84.4'	84.4'	84.4'
ft	lb																
8	201,800	186,700	143,300	127,900	88,200	77,200	-	-	-	-	-	-	-	-	-	-	-
10	180,100	180,100	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	65,700	-	-	-	-	-	-
12	162,800	162,800	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	60,200	-	86,600	77,200	-	-	-
15	137,900	137,900	136,300	127,900	88,200	75,600	117,400	121,900	88,200	77,200	53,500	88,800	86,600	77,200	57,600	-	-
20	107,300	107,300	107,000	107,900	88,200	65,000	101,000	107,700	88,200	71,200	45,100	85,100	86,600	75,800	49,400	-	-
25	86,900	86,900	86,400	87,400	88,200	57,300	86,000	87,200	88,200	63,500	39,000	75,500	86,600	68,300	43,200	-	-
30	72,200	72,200	71,700	72,700	73,600	51,300	71,300	72,500	73,900	57,500	34,300	67,000	73,500	62,200	38,500	-	-
35	-	-	60,400	61,600	62,500	46,600	59,800	61,300	62,900	52,000	30,600	59,900	62,500	57,200	34,700	-	-
40	-	-	50,000	51,200	52,200	42,900	49,400	50,800	52,600	47,100	27,700	50,300	52,100	52,900	31,600	-	-
45	-	-	42,200	43,300	44,300	40,200	41,600	43,000	44,700	43,100	25,200	42,500	44,200	46,100	28,900	-	-
50	-	-	-	-	-	-	35,600	36,900	38,600	39,800	23,200	36,400	38,100	40,000	26,600	-	-
55	-	-	-	-	-	-	30,800	32,200	33,800	35,100	21,600	31,600	33,300	35,100	24,600	-	-
60	-	-	-	-	-	-	26,700	28,000	29,800	31,100	20,300	27,700	29,300	31,100	22,900	-	-
65	-	-	-	-	-	-	-	-	-	-	-	24,400	26,100	27,800	21,400	-	-
70	-	-	-	-	-	-	-	-	-	-	-	21,700	23,300	25,000	20,200	-	-
75	-	-	-	-	-	-	-	-	-	-	-	18,000	19,600	21,500	19,100	-	-
	16	12	10	9	6	5	8	8	6	5	5	6	6	5	4	-	-
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
3)	1	1	5	4	3	1	5	4	3	2	1	4	3	2	1	-	-
4)	1	1	21	18	14	2	22	19	15	10	3	20	16	11	4	-	-

Telescopic conditions (%)

Tele 1	0	0	46	0	0	0	92	46	0	0	0	92	46	0	0
Tele 2	0	0	0	46	0	0	0	46	46	0	0	46	46	46	0
Tele 3	0	0	0	0	46	0	0	0	46	46	0	0	46	46	46
Tele 4	0	0	0	0	0	46	0	0	0	46	92	0	0	46	92

* with the special equipment

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Fully extended – SMART CHART

55,100 lb		23'7-1/2" x 19'8-1/4"														360°	
ft	98.9'	98.9'	98.9'	98.9'	98.9'	113.4'	113.4'	113.4'	127.9'	127.9'	127.9'	127.9'	142.3'	142.3'	156.8'	167.3'	
	lb																
20	65,900	62,400	59,500	52,500	45,300	49,600	45,400	40,100	-	-	-	-	-	-	-	-	
25	65,200	62,400	54,800	46,500	39,500	49,600	45,400	39,900	39,000	37,300	36,200	32,000	-	27,300	-	-	
30	59,100	62,400	50,100	41,700	34,600	49,600	44,000	36,600	39,000	37,300	36,200	32,000	30,000	27,300	24,700	-	
35	53,500	60,400	45,400	37,800	30,800	47,000	40,100	33,100	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
40	48,500	53,400	41,500	34,700	27,700	43,300	36,900	30,000	37,800	37,300	35,900	30,900	30,000	27,300	24,700	20,300	
45	43,500	45,500	38,100	32,000	25,100	39,900	34,200	27,400	35,200	35,600	33,600	29,000	30,000	27,300	24,700	20,300	
50	37,500	39,400	35,200	29,700	23,000	36,900	31,900	25,200	32,700	33,200	31,500	26,800	29,400	27,200	24,700	20,300	
55	32,600	34,500	32,700	27,600	21,100	33,900	29,900	23,300	30,400	31,000	29,600	24,900	27,500	25,800	24,700	20,300	
60	28,700	30,500	30,400	25,800	19,600	29,900	28,100	21,700	28,400	29,000	27,800	23,300	25,700	24,400	23,600	20,300	
65	25,400	27,200	27,600	24,200	18,200	26,600	26,500	20,300	26,500	27,200	26,300	21,800	24,100	23,100	22,300	20,300	
70	22,600	24,400	24,800	22,800	17,000	23,800	25,000	19,000	23,900	24,600	24,800	20,600	22,700	21,800	21,000	19,700	
75	20,300	22,000	22,400	21,600	16,000	21,400	22,900	18,000	21,500	22,200	22,500	19,400	21,400	20,700	19,900	18,700	
80	18,300	20,000	20,300	20,500	15,100	19,400	20,800	17,000	19,400	20,100	20,400	18,400	19,800	19,600	18,800	17,500	
85	16,400	18,200	18,500	19,600	14,300	17,500	19,000	16,100	17,600	18,300	18,600	17,500	18,000	18,700	17,800	16,200	
90	12,800	14,600	15,000	16,200	13,600	16,000	17,400	15,300	16,000	16,700	17,000	16,700	16,400	17,600	17,000	15,100	
95	-	-	-	-	-	14,400	16,000	14,600	14,500	15,300	15,600	15,900	15,000	16,200	15,500	14,100	
100	-	-	-	-	-	13,000	14,800	14,000	13,100	13,900	14,400	15,300	13,500	14,900	14,200	13,200	
105	-	-	-	-	-	9,600	11,000	12,200	11,800	12,600	13,100	14,100	12,300	13,800	12,900	12,400	
110	-	-	-	-	-	-	-	-	10,600	11,500	11,900	13,100	11,100	12,600	11,800	11,600	
115	-	-	-	-	-	-	-	-	9,700	10,500	10,900	12,100	10,100	11,600	10,700	10,700	
120	-	-	-	-	-	-	-	-	6,600	7,200	7,600	8,700	9,100	10,600	9,800	9,800	
125	-	-	-	-	-	-	-	-	-	-	-	-	8,300	9,800	8,900	8,900	
130	-	-	-	-	-	-	-	-	-	-	-	-	7,600	9,000	8,200	8,100	
135	-	-	-	-	-	-	-	-	-	-	-	-	4,600	5,700	7,500	7,400	
140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,800	6,800	
145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,300	6,200	
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,700	
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,200	
	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
3)	3	2	6	7	1	2	7	1	6	7	8	1	8	1	1	9	
4)	17	12	23	25	5	13	26	6	24	27	28	7	29	8	9	30	

Telescopic conditions (%)

Tele 1	92	46	0	0	0	92	46	0	92	92	46	0	92	46	92	100
Tele 2	46	46	92	46	0	46	46	46	92	46	92	92	92	92	92	100
Tele 3	46	46	46	46	92	46	46	92	46	46	92	92	92	92	92	100
Tele 4	0	46	46	92	92	46	92	92	46	92	46	92	46	92	92	100

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Fully extended – SMART CHART

40,600 lb		23'7-1/2" x 19'8-1/4"												360°		
41.0'*		41.0'	55.5'	55.5'	55.5'	55.5'	70.0'	70.0'	70.0'	70.0'	70.0'	70.0'	84.4'	84.4'	84.4'	84.4'
ft	lb															
8	201,800	186,700	143,300	127,900	88,200	77,200	-	-	-	-	-	-	-	-	-	-
10	180,100	180,100	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	65,700	-	-	-	-	-
12	160,000	160,000	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	60,200	-	86,600	77,200	-	-
15	134,100	134,100	133,800	127,900	88,200	75,600	117,400	121,900	88,200	77,200	53,500	88,800	86,600	77,200	57,600	-
20	103,900	103,900	103,500	104,500	88,200	65,000	101,000	104,200	88,200	71,200	45,100	85,100	86,600	75,800	49,400	-
25	83,700	83,700	83,200	84,300	85,100	57,300	82,800	84,000	85,500	63,500	39,000	75,500	85,100	68,300	43,200	-
30	67,900	67,900	67,200	68,600	69,700	51,300	66,600	68,300	70,200	57,500	34,300	67,000	69,700	62,200	38,500	-
35	-	-	53,800	55,000	56,100	46,600	53,200	54,700	56,600	52,000	30,600	54,200	56,100	57,200	34,700	-
40	-	-	44,300	45,500	46,500	42,900	43,700	45,200	47,000	47,100	27,700	44,700	46,500	48,400	31,600	-
45	-	-	37,200	38,400	39,400	40,100	36,600	38,100	39,800	41,100	25,200	37,500	39,300	41,200	28,900	-
50	-	-	-	-	-	-	31,200	32,600	34,300	35,600	23,200	32,000	33,800	35,600	26,600	-
55	-	-	-	-	-	-	26,400	28,200	29,900	31,200	21,600	27,500	29,400	31,200	24,600	-
60	-	-	-	-	-	-	22,300	24,100	26,300	27,600	20,300	23,300	25,600	27,500	22,900	-
65	-	-	-	-	-	-	-	-	-	-	-	19,900	22,100	24,400	21,400	-
70	-	-	-	-	-	-	-	-	-	-	-	17,100	19,200	21,600	20,200	-
75	-	-	-	-	-	-	-	-	-	-	-	14,700	16,900	19,200	19,100	-
	16	12	10	9	6	5	8	8	6	5	5	6	6	5	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
3)	1	1	5	4	3	1	5	4	3	2	1	4	3	2	1	
4)	1	1	21	18	14	2	22	19	15	10	3	20	16	11	4	

Telescopic conditions (%)

Tele 1	0	0	46	0	0	0	92	46	0	0	0	92	46	0	0
Tele 2	0	0	0	46	0	0	0	46	46	0	0	46	46	46	0
Tele 3	0	0	0	0	46	0	0	0	46	46	0	0	46	46	46
Tele 4	0	0	0	0	0	46	0	0	0	46	92	0	0	46	92

* with the special equipment

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Fully extended – SMART CHART

40,600 lb		23'7-1/2" x 19'8-1/4"														360°	
ft	98.9'	98.9'	98.9'	98.9'	98.9'	113.4'	113.4'	113.4'	127.9'	127.9'	127.9'	127.9'	142.3'	142.3'	156.8'	167.3'	
	lb																
20	65,900	62,400	59,500	52,500	45,300	49,600	45,400	40,100	-	-	-	-	-	-	-	-	
25	65,200	62,400	54,800	46,500	39,500	49,600	45,400	39,900	39,000	37,300	36,200	32,000	-	27,300	-	-	
30	59,100	62,400	50,100	41,700	34,600	49,600	44,000	36,600	39,000	37,300	36,200	32,000	30,000	27,300	24,700	-	
35	53,500	57,400	45,400	37,800	30,800	47,000	40,100	33,100	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
40	45,800	47,800	41,500	34,700	27,700	43,300	36,900	30,000	37,800	37,300	35,900	30,900	30,000	27,300	24,700	20,300	
45	38,600	40,600	38,100	32,000	25,100	39,900	34,200	27,400	35,200	35,600	33,600	29,000	30,000	27,300	24,700	20,300	
50	33,100	35,000	35,200	29,700	23,000	34,400	31,900	25,200	32,700	33,200	31,500	26,800	29,400	27,200	24,700	20,300	
55	28,700	30,600	31,000	27,600	21,100	30,000	29,900	23,300	30,100	30,800	29,600	24,900	27,500	25,800	24,700	20,300	
60	24,600	26,900	27,300	25,800	19,600	26,300	27,800	21,700	26,300	27,100	27,500	23,300	25,700	24,400	23,600	20,300	
65	21,200	23,700	24,100	24,200	18,200	22,800	24,700	20,300	22,900	23,700	24,100	21,800	23,300	23,100	22,300	20,300	
70	18,300	20,700	21,300	22,600	17,000	19,900	21,800	19,000	20,100	20,900	21,300	20,600	20,500	21,800	21,000	19,700	
75	15,900	18,300	18,800	20,200	16,000	17,500	19,400	18,000	17,600	18,500	18,900	19,400	18,100	19,500	18,800	18,700	
80	13,900	16,200	16,700	18,100	15,100	15,400	17,300	17,000	15,500	16,400	16,800	17,900	16,000	17,500	16,800	16,800	
85	12,100	14,400	14,900	16,400	14,300	13,600	15,500	16,100	13,700	14,600	15,000	16,200	14,200	15,700	14,900	14,900	
90	10,700	13,000	13,400	14,900	13,600	12,000	13,900	15,100	12,100	13,000	13,400	14,600	12,600	14,100	13,300	13,300	
95	-	-	-	-	-	10,600	12,500	13,700	10,700	11,600	12,000	13,200	11,200	12,700	11,900	11,900	
100	-	-	-	-	-	9,400	11,300	12,500	9,500	10,300	10,800	11,900	10,000	11,500	10,600	10,700	
105	-	-	-	-	-	8,400	10,300	11,500	8,400	9,300	9,700	10,800	8,900	10,400	9,500	9,600	
110	-	-	-	-	-	-	-	-	7,500	8,300	8,700	9,900	7,900	9,400	8,600	8,600	
115	-	-	-	-	-	-	-	-	6,600	7,500	7,900	9,000	7,000	8,500	7,700	7,700	
120	-	-	-	-	-	-	-	-	5,900	6,700	7,200	8,300	6,200	7,700	6,900	6,900	
125	-	-	-	-	-	-	-	-	-	-	-	-	5,500	7,000	6,100	6,100	
130	-	-	-	-	-	-	-	-	-	-	-	-	4,900	6,400	5,500	5,500	
135	-	-	-	-	-	-	-	-	-	-	-	-	4,400	5,700	4,900	4,900	
140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,400	4,300	
145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,900	3,800	
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
3)	3	2	6	7	1	2	7	1	6	7	8	1	8	1	1	9	
4)	17	12	23	25	5	13	26	6	24	27	28	7	29	8	9	30	

Telescopic conditions (%)

Tele 1	92	46	0	0	0	92	46	0	92	92	46	0	92	46	92	100
Tele 2	46	46	92	46	0	46	46	46	92	46	92	92	92	92	92	100
Tele 3	46	46	46	46	92	46	46	92	46	46	92	92	92	92	92	100
Tele 4	0	46	46	92	92	46	92	92	46	92	46	92	46	92	92	100

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Fully extended – SMART CHART

17,900 lb		23'7-1/2" x 19'8-1/4"										360°				
		41.0'*	41.0'	55.5'	55.5'	55.5'	55.5'	70.0'	70.0'	70.0'	70.0'	70.0'	84.4'	84.4'	84.4'	84.4'
ft	lb															
8	201,800	186,700	143,300	127,900	88,200	77,200	-	-	-	-	-	-	-	-	-	
10	175,500	175,500	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	65,700	-	-	-	-	
12	153,200	153,200	143,300	127,900	88,200	77,200	122,600	121,900	88,200	77,200	60,200	-	86,600	77,200	-	
15	127,600	127,600	127,300	127,900	88,200	75,600	117,400	121,900	88,200	77,200	53,500	88,800	86,600	77,200	57,600	
20	97,900	97,900	97,500	98,500	88,200	65,000	97,000	98,300	88,200	71,200	45,100	85,100	86,600	75,800	49,400	
25	72,500	72,500	71,900	73,400	74,600	57,300	71,300	73,000	75,200	63,500	39,000	72,500	74,600	68,300	43,200	
30	55,400	55,400	54,800	56,200	57,300	51,300	54,200	55,800	57,800	57,500	34,300	55,300	57,300	59,400	38,500	
35	-	-	40,700	42,700	44,300	45,600	39,900	42,200	45,000	47,200	30,600	41,400	44,200	47,300	34,700	
40	-	-	31,300	33,100	34,600	35,800	30,500	32,700	35,300	37,300	27,700	31,900	34,500	37,400	31,600	
45	-	-	24,700	26,300	27,800	28,900	23,800	25,900	28,300	30,200	25,200	25,100	27,600	30,400	28,900	
50	-	-	-	-	-	-	18,900	20,900	23,200	25,100	23,200	20,100	22,500	25,200	26,600	
55	-	-	-	-	-	-	15,200	17,000	19,300	21,100	21,300	16,300	18,600	21,100	22,600	
60	-	-	-	-	-	-	12,200	14,000	16,200	17,900	18,200	13,200	15,500	17,900	19,400	
65	-	-	-	-	-	-	-	-	-	-	-	10,700	12,900	15,300	16,800	
70	-	-	-	-	-	-	-	-	-	-	-	8,700	10,800	13,200	14,600	
75	-	-	-	-	-	-	-	-	-	-	-	7,000	9,100	11,500	12,800	
	16	12	10	9	6	5	8	8	6	5	5	6	6	5	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
3)	1	1	5	4	3	1	5	4	3	2	1	4	3	2	1	
4)	1	1	21	18	14	2	22	19	15	10	3	20	16	11	4	

Telescopic conditions (%)

Tele 1	0	0	46	0	0	0	92	46	0	0	0	92	46	0	0
Tele 2	0	0	0	46	0	0	0	46	46	0	0	46	46	46	0
Tele 3	0	0	0	0	46	0	0	0	46	46	0	0	46	46	46
Tele 4	0	0	0	0	0	46	0	0	0	46	92	0	0	46	92

* with the special equipment

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Fully extended – SMART CHART

17,900 lb		23'7-1/2" x 19'8-1/4"														360°	
ft	98.9'	98.9'	98.9'	98.9'	98.9'	113.4'	113.4'	113.4'	127.9'	127.9'	127.9'	127.9'	142.3'	142.3'	156.8'	167.3'	
	lb																
20	65,900	62,400	59,500	52,500	45,300	49,600	45,400	40,100	-	-	-	-	-	-	-	-	
25	65,200	62,400	54,800	46,500	39,500	49,600	45,400	39,900	39,000	37,300	36,200	32,000	-	27,300	-	-	
30	56,500	58,700	50,100	41,700	34,600	49,600	44,000	36,600	39,000	37,300	36,200	32,000	30,000	27,300	24,700	-	
35	43,200	46,300	45,400	37,800	30,800	45,400	40,100	33,100	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
40	33,600	36,500	37,100	34,700	27,700	35,600	36,900	30,000	35,800	36,800	35,900	30,900	30,000	27,300	24,700	20,300	
45	26,700	29,500	30,100	31,700	25,100	28,600	30,800	27,400	28,800	29,700	30,200	29,000	29,300	27,300	24,700	20,300	
50	21,600	24,300	24,900	26,500	23,000	23,500	25,600	25,200	23,600	24,500	25,000	26,200	24,100	25,700	24,700	20,300	
55	17,700	20,300	20,900	22,500	21,100	19,500	21,600	22,800	19,600	20,600	21,000	22,200	20,200	21,700	21,000	20,300	
60	14,600	17,100	17,600	19,200	19,500	16,300	18,300	19,600	16,400	17,400	17,800	19,000	17,000	18,500	17,800	17,800	
65	12,000	14,500	15,000	16,600	16,900	13,700	15,700	17,000	13,800	14,700	15,200	16,500	14,400	16,000	15,200	15,200	
70	9,900	12,300	12,900	14,400	14,700	11,500	13,500	14,800	11,700	12,600	13,000	14,300	12,200	13,800	13,000	13,000	
75	8,200	10,600	11,000	12,600	12,900	9,700	11,700	12,900	9,900	10,800	11,200	12,400	10,400	12,000	11,100	11,200	
80	6,700	9,000	9,500	11,000	11,300	8,200	10,100	11,400	8,300	9,200	9,700	10,800	8,800	10,400	9,600	9,600	
85	5,400	7,700	8,200	9,700	10,000	6,900	8,800	10,000	7,000	7,800	8,300	9,500	7,500	9,000	8,200	8,200	
90	4,400	6,700	7,100	8,600	8,800	5,700	7,700	8,800	5,800	6,700	7,100	8,300	6,300	7,800	7,000	7,100	
95	-	-	-	-	-	4,700	6,600	7,800	4,800	5,700	6,100	7,300	5,300	6,800	6,000	6,000	
100	-	-	-	-	-	3,900	5,800	6,900	3,900	4,800	5,200	6,300	4,400	5,900	5,100	5,100	
105	-	-	-	-	-	-	5,000	6,200	-	4,000	4,400	5,600	-	5,100	4,300	4,300	
110	-	-	-	-	-	-	-	-	-	-	3,700	4,900	-	4,400	-	-	
115	-	-	-	-	-	-	-	-	-	-	-	4,200	-	3,700	-	-	
120	-	-	-	-	-	-	-	-	-	-	-	3,700	-	-	-	-	
125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
1)	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	37,300	36,200	32,000	30,000	27,300	24,700	20,300	
2)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	28°	41°	
3)	3	2	6	7	1	2	7	1	6	7	8	1	8	1	1	9	
4)	17	12	23	25	5	13	26	6	24	27	28	7	29	8	9	30	

Telescopic conditions (%)

Tele 1	92	46	0	0	0	92	46	0	92	92	46	0	92	46	92	100
Tele 2	46	46	92	46	0	46	46	46	92	46	92	92	92	92	92	100
Tele 3	46	46	46	46	92	46	46	92	46	46	92	92	92	92	92	100
Tele 4	0	46	46	92	92	46	92	92	46	92	46	92	46	92	92	100

- 1) Maximum capacity without boom pin
- 2) Minimum boom angle (°) for indicator length (no load)
- 3) Boom block
- 4) Boom number

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Operation

Fully extended – 360°

55,100 lb		23'7-1/2" x 19'8-1/4"			33.8'			360°											
		41.0'			98.9'			156.8'			167.3'								
		3.5°			25°			45°			3.5°			25°			45°		
ft	lb																		
10	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	14,600	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	14,600	13,300	10,600	-	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	14,600	12,100	9,900	-	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	14,100	11,000	9,300	-	14,600	13,100	-	-	-	-	-	-	-	-	-	-	-	-	-
45	12,500	10,200	8,800	-	14,600	12,300	9,600	-	12,100	-	-	-	11,000	-	-	-	-	-	-
50	11,300	9,600	8,500	-	14,600	11,700	9,300	-	12,100	11,400	-	-	11,000	-	-	-	-	-	-
55	10,300	9,000	8,300	-	14,600	11,200	9,000	-	12,100	11,000	-	-	11,000	10,800	-	-	-	-	-
60	9,400	8,600	-	-	14,600	10,700	8,700	-	12,100	10,600	8,700	-	11,000	10,400	-	-	-	-	-
65	8,700	8,400	-	-	13,800	10,200	8,500	-	12,100	10,300	8,500	-	11,000	10,100	8,400	-	-	-	-
70	-	-	-	-	12,900	9,800	8,300	-	12,000	9,900	8,300	-	11,000	9,800	8,200	-	-	-	-
75	-	-	-	-	12,200	9,500	8,200	-	11,500	9,600	8,100	-	10,700	9,500	8,100	-	-	-	-
80	-	-	-	-	11,600	9,100	8,000	-	11,000	9,400	8,000	-	10,300	9,300	7,900	-	-	-	-
85	-	-	-	-	11,000	8,900	7,900	-	10,600	9,100	7,800	-	9,900	9,000	7,800	-	-	-	-
90	-	-	-	-	10,400	8,600	7,800	-	10,200	8,900	7,700	-	9,500	8,700	7,600	-	-	-	-
95	-	-	-	-	10,000	8,400	7,700	-	9,800	8,600	7,500	-	9,200	8,400	7,500	-	-	-	-
100	-	-	-	-	9,500	8,200	-	-	9,500	8,400	7,400	-	8,900	8,200	7,400	-	-	-	-
105	-	-	-	-	9,100	8,000	-	-	9,200	8,200	7,300	-	8,600	8,000	7,300	-	-	-	-
110	-	-	-	-	8,800	7,900	-	-	8,900	8,100	7,200	-	8,400	7,700	7,200	-	-	-	-
115	-	-	-	-	8,500	7,900	-	-	8,600	7,900	7,100	-	8,200	7,500	7,100	-	-	-	-
120	-	-	-	-	8,200	-	-	-	8,400	7,700	7,100	-	7,900	7,300	7,000	-	-	-	-
125	-	-	-	-	8,100	-	-	-	8,200	7,500	7,000	-	7,700	7,200	6,900	-	-	-	-
130	-	-	-	-	-	-	-	-	7,500	7,400	6,900	-	7,400	7,000	6,800	-	-	-	-
135	-	-	-	-	-	-	-	-	6,800	7,200	6,900	-	6,800	6,800	6,600	-	-	-	-
140	-	-	-	-	-	-	-	-	6,300	6,600	-	-	6,200	6,600	6,500	-	-	-	-
145	-	-	-	-	-	-	-	-	5,700	6,100	-	-	5,700	6,000	6,200	-	-	-	-
150	-	-	-	-	-	-	-	-	5,200	5,500	-	-	5,200	5,500	-	-	-	-	-
155	-	-	-	-	-	-	-	-	4,800	5,000	-	-	4,700	5,000	-	-	-	-	-
160	-	-	-	-	-	-	-	-	4,300	4,600	-	-	4,300	4,500	-	-	-	-	-
165	-	-	-	-	-	-	-	-	3,900	4,100	-	-	3,900	4,100	-	-	-	-	-
170	-	-	-	-	-	-	-	-	3,600	3,700	-	-	3,500	3,700	-	-	-	-	-
175	-	-	-	-	-	-	-	-	3,200	-	-	-	3,200	3,300	-	-	-	-	-
180	-	-	-	-	-	-	-	-	2,900	-	-	-	2,800	-	-	-	-	-	-
185	-	-	-	-	-	-	-	-	-	-	-	-	2,500	-	-	-	-	-	-
		1				1				1				1					
1)		1				2				1				9					

Telescopic conditions (%)

Tele 1	0	46	92	100
Tele 2	0	46	92	100
Tele 3	0	46	92	100
Tele 4	0	46	92	100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation



Fully extended – 360°

55,100 lb		23'7-1/2" x 19'8-1/4"			58.7'			360°											
		41.0'			98.9'			156.8'			167.3'								
		3.5°			25°			45°			3.5°			25°			45°		
ft	lb																		
30	11,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	10,200	-	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	9,300	7,300	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	8,500	6,800	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	7,900	6,500	-	-	9,100	-	-	-	7,600	-	-	-	6,600	-	-	-	-	-	-
55	7,300	6,100	5,500	-	9,100	6,800	-	-	7,600	-	-	-	6,600	-	-	-	-	-	-
60	6,900	5,800	5,300	-	9,000	6,600	-	-	7,600	-	-	-	6,600	-	-	-	-	-	-
65	6,400	5,600	5,000	-	8,500	6,300	-	-	7,600	-	-	-	6,600	-	-	-	-	-	-
70	6,100	5,400	4,800	-	8,100	6,100	5,300	-	7,600	6,100	-	-	6,600	-	-	-	-	-	-
75	5,800	5,100	4,600	-	7,700	5,900	5,100	-	7,500	5,900	-	-	6,600	5,900	-	-	-	-	-
80	5,400	4,800	4,500	-	7,400	5,800	5,000	-	7,300	5,800	-	-	6,600	5,700	-	-	-	-	-
85	5,000	4,600	-	-	7,100	5,600	4,800	-	7,200	5,600	5,000	-	6,600	5,600	-	-	-	-	-
90	4,700	4,400	-	-	6,800	5,400	4,700	-	7,000	5,500	4,900	-	6,600	5,500	4,800	-	-	-	-
95	-	-	-	-	6,500	5,300	4,600	-	6,800	5,400	4,700	-	6,600	5,300	4,800	-	-	-	-
100	-	-	-	-	6,300	5,200	4,500	-	6,700	5,300	4,600	-	6,500	5,200	4,700	-	-	-	-
105	-	-	-	-	6,000	5,000	4,400	-	6,500	5,100	4,500	-	6,400	5,100	4,500	-	-	-	-
110	-	-	-	-	5,800	4,900	4,300	-	6,300	5,000	4,400	-	6,200	5,000	4,500	-	-	-	-
115	-	-	-	-	5,600	4,700	4,200	-	6,200	4,900	4,300	-	6,100	4,900	4,400	-	-	-	-
120	-	-	-	-	5,400	4,600	4,200	-	6,000	4,900	4,300	-	6,000	4,800	4,300	-	-	-	-
125	-	-	-	-	5,300	4,500	-	-	5,800	4,800	4,200	-	5,800	4,700	4,200	-	-	-	-
130	-	-	-	-	5,100	4,300	-	-	5,700	4,700	4,100	-	5,700	4,700	4,100	-	-	-	-
135	-	-	-	-	4,900	4,300	-	-	5,600	4,600	4,100	-	5,600	4,600	4,100	-	-	-	-
140	-	-	-	-	4,700	4,200	-	-	5,400	4,500	4,000	-	5,400	4,500	4,000	-	-	-	-
145	-	-	-	-	4,500	-	-	-	5,300	4,500	3,900	-	5,300	4,400	3,900	-	-	-	-
150	-	-	-	-	4,400	-	-	-	5,200	4,400	3,900	-	5,200	4,400	3,900	-	-	-	-
155	-	-	-	-	-	-	-	-	5,100	4,300	3,900	-	5,100	4,300	3,800	-	-	-	-
160	-	-	-	-	-	-	-	-	4,800	4,200	3,800	-	4,700	4,200	3,800	-	-	-	-
165	-	-	-	-	-	-	-	-	4,400	4,100	-	-	4,300	4,100	3,700	-	-	-	-
170	-	-	-	-	-	-	-	-	4,000	4,000	-	-	3,900	4,100	3,700	-	-	-	-
175	-	-	-	-	-	-	-	-	3,700	4,000	-	-	3,500	4,000	-	-	-	-	-
180	-	-	-	-	-	-	-	-	3,400	3,700	-	-	3,200	3,600	-	-	-	-	-
185	-	-	-	-	-	-	-	-	3,000	3,300	-	-	2,900	3,300	-	-	-	-	-
		1				1				1				1					
1)		1				2				1				9					

Telescopic conditions (%)

Tele 1	0			46			92			100
Tele 2	0			46			92			100
Tele 3	0			46			92			100
Tele 4	0			46			92			100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation

Fully extended – 360°

40,600 lb		23'7-1/2" x 19'8-1/4"			33.8'			360°											
		41.0'			98.9'			156.8'			167.3'								
		3.5°			25°			45°			3.5°			25°			45°		
ft						lb													
10	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	14,600	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	14,600	13,300	10,600	-	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	14,600	12,100	9,900	-	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	14,100	11,000	9,300	-	14,600	13,100	-	-	-	-	-	-	-	-	-	-	-	-	
45	12,500	10,200	8,800	-	14,600	12,300	9,600	-	12,100	-	-	-	11,000	-	-	-	-	-	
50	11,300	9,600	8,500	-	14,600	11,700	9,300	-	12,100	11,400	-	-	11,000	-	-	-	-	-	
55	10,300	9,000	8,300	-	14,600	11,200	9,000	-	12,100	11,000	-	-	11,000	10,800	-	-	-	-	
60	9,400	8,600	-	-	14,600	10,700	8,700	-	12,100	10,600	8,700	-	11,000	10,400	-	-	-	-	
65	8,700	8,400	-	-	13,800	10,200	8,500	-	12,100	10,300	8,500	-	11,000	10,100	8,400	-	-	-	
70	-	-	-	-	12,900	9,800	8,300	-	12,000	9,900	8,300	-	11,000	9,800	8,200	-	-	-	
75	-	-	-	-	12,200	9,500	8,200	-	11,500	9,600	8,100	-	10,700	9,500	8,100	-	-	-	
80	-	-	-	-	11,600	9,100	8,000	-	11,000	9,400	8,000	-	10,300	9,300	7,900	-	-	-	
85	-	-	-	-	11,000	8,900	7,900	-	10,600	9,100	7,800	-	9,900	9,000	7,800	-	-	-	
90	-	-	-	-	10,400	8,600	7,800	-	10,200	8,900	7,700	-	9,500	8,700	7,600	-	-	-	
95	-	-	-	-	10,000	8,400	7,700	-	9,800	8,600	7,500	-	9,200	8,400	7,500	-	-	-	
100	-	-	-	-	9,500	8,200	-	-	9,500	8,400	7,400	-	8,900	8,200	7,400	-	-	-	
105	-	-	-	-	9,100	8,000	-	-	9,000	8,200	7,300	-	8,600	8,000	7,300	-	-	-	
110	-	-	-	-	8,700	7,900	-	-	8,100	8,100	7,200	-	8,000	7,700	7,200	-	-	-	
115	-	-	-	-	7,900	7,900	-	-	7,300	7,900	7,100	-	7,300	7,500	7,100	-	-	-	
120	-	-	-	-	7,200	-	-	-	6,600	7,200	7,100	-	6,500	7,100	7,000	-	-	-	
125	-	-	-	-	6,600	-	-	-	6,000	6,500	6,700	-	5,900	6,400	6,700	-	-	-	
130	-	-	-	-	-	-	-	-	5,400	5,800	6,100	-	5,300	5,800	6,100	-	-	-	
135	-	-	-	-	-	-	-	-	4,900	5,200	5,400	-	4,800	5,200	5,400	-	-	-	
140	-	-	-	-	-	-	-	-	4,300	4,700	-	-	4,300	4,700	4,900	-	-	-	
145	-	-	-	-	-	-	-	-	3,900	4,200	-	-	3,800	4,200	4,300	-	-	-	
150	-	-	-	-	-	-	-	-	3,500	3,700	-	-	3,400	3,700	-	-	-	-	
155	-	-	-	-	-	-	-	-	3,100	3,300	-	-	3,000	3,300	-	-	-	-	
160	-	-	-	-	-	-	-	-	2,700	2,900	-	-	2,600	2,900	-	-	-	-	
165	-	-	-	-	-	-	-	-	2,300	2,500	-	-	2,300	2,500	-	-	-	-	
170	-	-	-	-	-	-	-	-	2,000	2,200	-	-	1,900	2,100	-	-	-	-	
175	-	-	-	-	-	-	-	-	1,700	-	-	-	1,600	1,800	-	-	-	-	
180	-	-	-	-	-	-	-	-	1,500	-	-	-	1,300	-	-	-	-	-	
185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			1				1				1				1				
1)			1				2				1				9				

Telescopic conditions (%)

Tele 1	0	46	92	100
Tele 2	0	46	92	100
Tele 3	0	46	92	100
Tele 4	0	46	92	100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation



Fully extended – 360°

40,600 lb		23'7-1/2" x 19'8-1/4"			58.7'			360°					
		41.0'			98.9'			156.8'			167.3'		
		3.5° 25° 45°			3.5° 25° 45°			3.5° 25° 45°			3.5° 25° 45°		
ft	lb												
30	11,300	-	-	-	-	-	-	-	-	-	-	-	-
35	10,200	-	-	-	9,100	-	-	-	-	-	-	-	-
40	9,300	7,300	-	-	9,100	-	-	-	-	-	-	-	-
45	8,500	6,800	-	-	9,100	-	-	-	-	-	-	-	-
50	7,900	6,500	-	-	9,100	-	-	7,600	-	-	6,600	-	-
55	7,300	6,100	5,500	-	9,100	6,800	-	7,600	-	-	6,600	-	-
60	6,900	5,800	5,300	-	9,000	6,600	-	7,600	-	-	6,600	-	-
65	6,400	5,600	5,000	-	8,500	6,300	-	7,600	-	-	6,600	-	-
70	6,100	5,400	4,800	-	8,100	6,100	5,300	7,600	6,100	-	6,600	-	-
75	5,800	5,100	4,600	-	7,700	5,900	5,100	7,500	5,900	-	6,600	5,900	-
80	5,400	4,800	4,500	-	7,400	5,800	5,000	7,300	5,800	-	6,600	5,700	-
85	5,000	4,600	-	-	7,100	5,600	4,800	7,200	5,600	5,000	6,600	5,600	-
90	4,700	4,400	-	-	6,800	5,400	4,700	7,000	5,500	4,900	6,600	5,500	4,800
95	-	-	-	-	6,500	5,300	4,600	6,800	5,400	4,700	6,600	5,300	4,800
100	-	-	-	-	6,300	5,200	4,500	6,700	5,300	4,600	6,500	5,200	4,700
105	-	-	-	-	6,000	5,000	4,400	6,500	5,100	4,500	6,400	5,100	4,500
110	-	-	-	-	5,800	4,900	4,300	6,300	5,000	4,400	6,200	5,000	4,500
115	-	-	-	-	5,600	4,700	4,200	6,200	4,900	4,300	6,100	4,900	4,400
120	-	-	-	-	5,400	4,600	4,200	6,000	4,900	4,300	6,000	4,800	4,300
125	-	-	-	-	5,300	4,500	-	5,800	4,800	4,200	5,800	4,700	4,200
130	-	-	-	-	5,100	4,300	-	5,700	4,700	4,100	5,700	4,700	4,100
135	-	-	-	-	4,900	4,300	-	5,400	4,600	4,100	5,200	4,600	4,100
140	-	-	-	-	4,700	4,200	-	4,900	4,500	4,000	4,700	4,500	4,000
145	-	-	-	-	4,500	-	-	4,400	4,500	3,900	4,300	4,400	3,900
150	-	-	-	-	4,400	-	-	3,900	4,400	3,900	3,800	4,400	3,900
155	-	-	-	-	-	-	-	3,500	4,100	3,900	3,400	4,100	3,800
160	-	-	-	-	-	-	-	3,200	3,700	3,800	3,000	3,600	3,800
165	-	-	-	-	-	-	-	2,800	3,300	-	2,700	3,200	3,500
170	-	-	-	-	-	-	-	2,500	2,900	-	2,400	2,800	3,100
175	-	-	-	-	-	-	-	2,200	2,600	-	2,100	2,500	-
180	-	-	-	-	-	-	-	1,900	2,200	-	1,800	2,200	-
185	-	-	-	-	-	-	-	1,600	1,900	-	1,500	1,900	-
		1				1			1			1	
1)		1				2			1			9	

Telescopic conditions (%)

Tele 1	0			46			92			100
Tele 2	0			46			92			100
Tele 3	0			46			92			100
Tele 4	0			46			92			100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation

Fully extended – 360°

17,900 lb		23'7-1/2" x 19'8-1/4"			33.8'			360°											
		41.0'			98.9'			156.8'			167.3'								
		3.5°			25°			45°			3.5°			25°			45°		
ft	lb																		
10	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
12	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
15	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
20	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25	14,600	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-				
30	14,600	13,300	10,600	14,600	-	-	-	-	-	-	-	-	-	-	-				
35	14,600	12,100	9,900	14,600	-	-	-	-	-	-	-	-	-	-	-				
40	14,100	11,000	9,300	14,600	13,100	-	-	-	-	-	-	-	-	-	-				
45	12,500	10,200	8,800	14,600	12,300	9,600	12,100	-	-	11,000	-	-	-	-	-				
50	11,300	9,600	8,500	14,600	11,700	9,300	12,100	11,400	-	11,000	-	-	-	-	-				
55	10,300	9,000	8,300	14,600	11,200	9,000	12,100	11,000	-	11,000	10,800	-	-	-	-				
60	9,400	8,600	-	14,600	10,700	8,700	12,100	10,600	8,700	11,000	10,400	-	-	-	-				
65	8,700	8,400	-	13,800	10,200	8,500	12,100	10,300	8,500	11,000	10,100	8,400	-	-	-				
70	-	-	-	12,900	9,800	8,300	12,000	9,900	8,300	11,000	9,800	8,200	-	-	-				
75	-	-	-	11,500	9,500	8,200	11,000	9,600	8,100	10,700	9,500	8,100	-	-	-				
80	-	-	-	10,100	9,100	8,000	9,600	9,400	8,000	9,500	9,300	7,900	-	-	-				
85	-	-	-	8,900	8,900	7,900	8,400	9,100	7,800	8,300	9,000	7,800	-	-	-				
90	-	-	-	7,900	8,600	7,800	7,400	8,200	7,700	7,300	8,200	7,600	-	-	-				
95	-	-	-	7,000	7,500	7,700	6,400	7,300	7,500	6,400	7,200	7,500	-	-	-				
100	-	-	-	6,200	6,600	-	5,600	6,400	6,900	5,600	6,300	6,900	-	-	-				
105	-	-	-	5,400	5,800	-	4,900	5,600	6,000	4,800	5,500	6,000	-	-	-				
110	-	-	-	4,700	5,100	-	4,200	4,900	5,200	4,100	4,800	5,200	-	-	-				
115	-	-	-	4,100	4,400	-	3,600	4,200	4,500	3,500	4,100	4,500	-	-	-				
120	-	-	-	3,600	-	-	3,000	3,600	3,900	3,000	3,500	3,900	-	-	-				
125	-	-	-	3,100	-	-	2,500	3,000	3,300	2,500	3,000	3,300	-	-	-				
130	-	-	-	-	-	-	2,000	2,500	2,800	2,000	2,500	2,800	-	-	-				
135	-	-	-	-	-	-	1,600	2,000	2,300	1,500	2,000	2,300	-	-	-				
140	-	-	-	-	-	-	-	1,500	-	-	1,500	1,700	-	-	-				
145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		1			1			1			1								
1)		1			2			1			9								

Telescopic conditions (%)

Tele 1	0	46	92	100
Tele 2	0	46	92	100
Tele 3	0	46	92	100
Tele 4	0	46	92	100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation



Fully extended – 360°

17,900 lb		23'7-1/2" x 19'8-1/4"			58.7'			360°					
		41.0'			98.9'			156.8'			167.3'		
		3.5° 25° 45°			3.5° 25° 45°			3.5° 25° 45°			3.5° 25° 45°		
ft	lb												
30	11,300	-	-	-	-	-	-	-	-	-	-	-	-
35	10,200	-	-	-	9,100	-	-	-	-	-	-	-	-
40	9,300	7,300	-	-	9,100	-	-	-	-	-	-	-	-
45	8,500	6,800	-	-	9,100	-	-	-	-	-	-	-	-
50	7,900	6,500	-	-	9,100	-	-	7,600	-	-	6,600	-	-
55	7,300	6,100	5,500	-	9,100	6,800	-	7,600	-	-	6,600	-	-
60	6,900	5,800	5,300	-	9,000	6,600	-	7,600	-	-	6,600	-	-
65	6,400	5,600	5,000	-	8,500	6,300	-	7,600	-	-	6,600	-	-
70	6,100	5,400	4,800	-	8,100	6,100	5,300	7,600	6,100	-	6,600	-	-
75	5,800	5,100	4,600	-	7,700	5,900	5,100	7,500	5,900	-	6,600	5,900	-
80	5,400	4,800	4,500	-	7,400	5,800	5,000	7,300	5,800	-	6,600	5,700	-
85	5,000	4,600	-	-	7,100	5,600	4,800	7,200	5,600	5,000	6,600	5,600	-
90	4,700	4,400	-	-	6,800	5,400	4,700	7,000	5,500	4,900	6,600	5,500	4,800
95	-	-	-	-	6,500	5,300	4,600	6,800	5,400	4,700	6,600	5,300	4,800
100	-	-	-	-	6,300	5,200	4,500	6,200	5,300	4,600	6,000	5,200	4,700
105	-	-	-	-	6,000	5,000	4,400	5,400	5,100	4,500	5,200	5,100	4,500
110	-	-	-	-	5,600	4,900	4,300	4,700	5,000	4,400	4,500	5,000	4,500
115	-	-	-	-	5,000	4,700	4,200	4,100	4,900	4,300	3,900	4,900	4,400
120	-	-	-	-	4,500	4,600	4,200	3,600	4,600	4,300	3,300	4,500	4,300
125	-	-	-	-	3,900	4,500	-	3,100	4,000	4,200	2,800	3,900	4,200
130	-	-	-	-	3,500	4,000	-	2,600	3,500	4,100	2,400	3,400	4,000
135	-	-	-	-	3,100	3,400	-	2,200	3,000	3,500	1,900	2,900	3,500
140	-	-	-	-	2,700	3,000	-	1,700	2,500	3,000	1,500	2,400	3,000
145	-	-	-	-	2,300	-	-	-	2,100	2,500	-	2,000	2,500
150	-	-	-	-	2,000	-	-	-	1,700	2,100	-	1,600	2,000
155	-	-	-	-	-	-	-	-	-	1,600	-	-	1,600
160	-	-	-	-	-	-	-	-	-	-	-	-	-
165	-	-	-	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-	-	-	-
175	-	-	-	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-	-	-	-
185	-	-	-	-	-	-	-	-	-	-	-	-	-
		1				1			1			1	
1)		1				2			1			9	

Telescopic conditions (%)

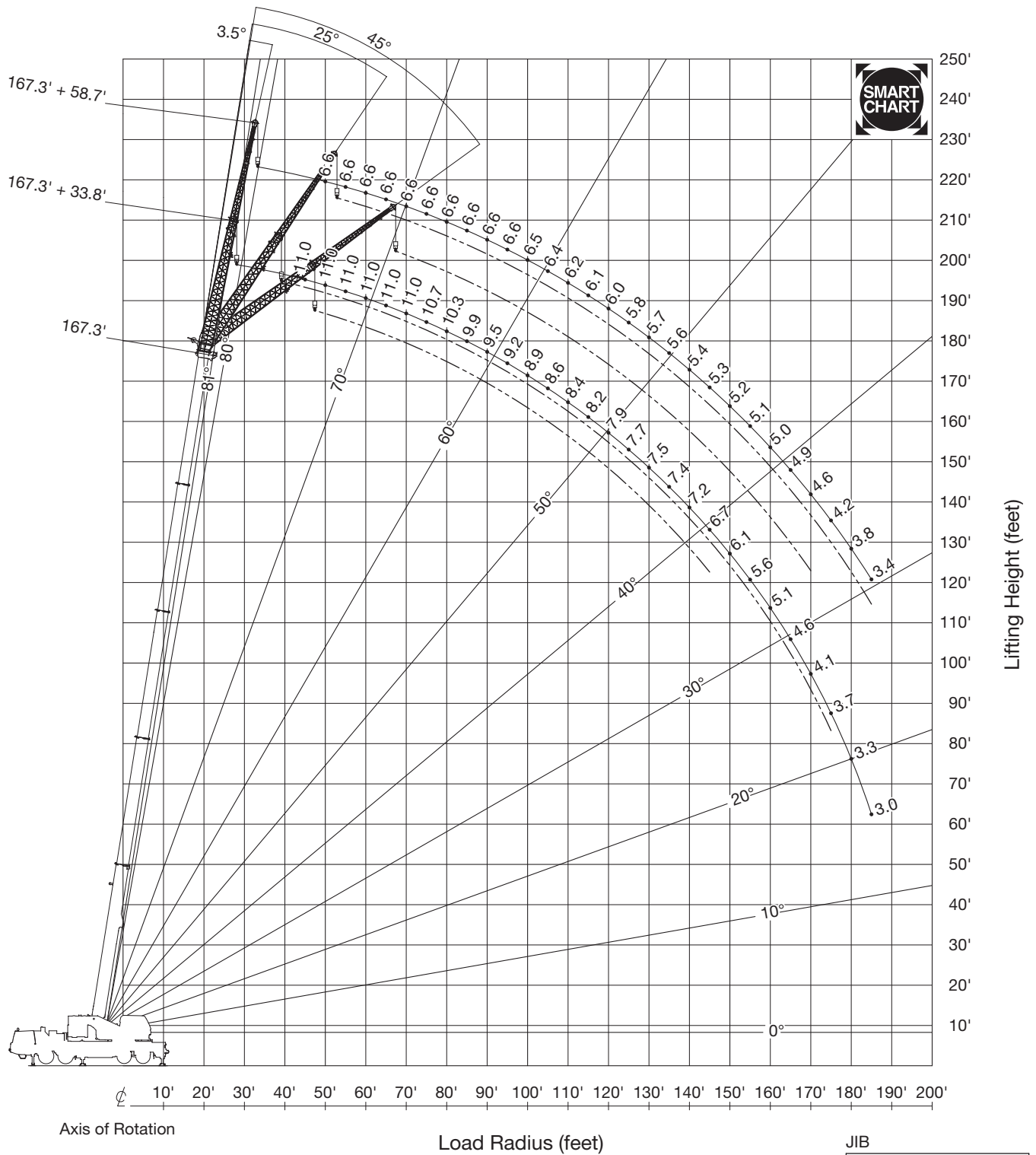
Tele 1	0			46			92			100
Tele 2	0			46			92			100
Tele 3	0			46			92			100
Tele 4	0			46			92			100

1) Boom block

NOTE:

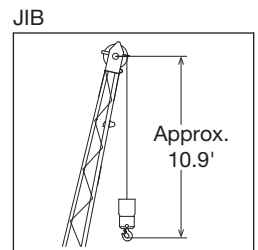
The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.

Operation



NOTE:

Jib geometry shown are for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.



Operation



Fully extended – SMART CHART

55,100 lb													23'7-1/2" x 19'8-1/4"			33.8'			360°				
41.0'													98.9'			156.8'			167.3'				
3.5°				25°				45°				3.5°				25°				45°			
ft						lb																	
10	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	14,600	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	14,600	13,300	10,600	-	-	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	14,600	12,100	9,900	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	14,100	11,000	9,300	14,600	13,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	12,500	10,200	8,800	14,600	12,300	9,600	12,100	-	-	-	11,000	-	-	-	-	-	-	-	-	-	-	-	
50	11,300	9,600	8,500	14,600	11,700	9,300	12,100	11,400	-	-	11,000	-	-	-	-	-	-	-	-	-	-	-	
55	10,300	9,000	8,300	14,600	11,200	9,000	12,100	11,000	-	-	11,000	10,800	-	-	-	-	-	-	-	-	-	-	
60	9,400	8,600	-	14,600	10,700	8,700	12,100	10,600	8,700	11,000	10,400	-	-	-	-	-	-	-	-	-	-	-	
65	8,700	8,400	-	13,800	10,200	8,500	12,100	10,300	8,500	11,000	10,100	8,400	-	-	-	-	-	-	-	-	-	-	
70	-	-	-	12,900	9,800	8,300	12,000	9,900	8,300	11,000	9,800	8,200	-	-	-	-	-	-	-	-	-	-	
75	-	-	-	12,200	9,500	8,200	11,500	9,600	8,100	10,700	9,500	8,100	-	-	-	-	-	-	-	-	-	-	
80	-	-	-	11,600	9,100	8,000	11,000	9,400	8,000	10,300	9,300	7,900	-	-	-	-	-	-	-	-	-	-	
85	-	-	-	11,000	8,900	7,900	10,600	9,100	7,800	9,900	9,000	7,800	-	-	-	-	-	-	-	-	-	-	
90	-	-	-	10,400	8,600	7,800	10,200	8,900	7,700	9,500	8,700	7,600	-	-	-	-	-	-	-	-	-	-	
95	-	-	-	10,000	8,400	7,700	9,800	8,600	7,500	9,200	8,400	7,500	-	-	-	-	-	-	-	-	-	-	
100	-	-	-	9,500	8,200	-	9,500	8,400	7,400	8,900	8,200	7,400	-	-	-	-	-	-	-	-	-	-	
105	-	-	-	9,100	8,000	-	9,200	8,200	7,300	8,600	8,000	7,300	-	-	-	-	-	-	-	-	-	-	
110	-	-	-	8,800	7,900	-	8,900	8,100	7,200	8,400	7,700	7,200	-	-	-	-	-	-	-	-	-	-	
115	-	-	-	8,500	7,900	-	8,600	7,900	7,100	8,200	7,500	7,100	-	-	-	-	-	-	-	-	-	-	
120	-	-	-	8,200	-	-	8,400	7,700	7,100	7,900	7,300	7,000	-	-	-	-	-	-	-	-	-	-	
125	-	-	-	8,100	-	-	8,200	7,500	7,000	7,700	7,200	6,900	-	-	-	-	-	-	-	-	-	-	
130	-	-	-	-	-	-	8,000	7,400	6,900	7,500	7,000	6,800	-	-	-	-	-	-	-	-	-	-	
135	-	-	-	-	-	-	7,800	7,200	6,900	7,400	6,800	6,600	-	-	-	-	-	-	-	-	-	-	
140	-	-	-	-	-	-	7,400	7,100	-	7,200	6,700	6,500	-	-	-	-	-	-	-	-	-	-	
145	-	-	-	-	-	-	6,800	7,000	-	6,700	6,600	6,400	-	-	-	-	-	-	-	-	-	-	
150	-	-	-	-	-	-	6,200	6,500	-	6,100	6,500	-	-	-	-	-	-	-	-	-	-	-	
155	-	-	-	-	-	-	5,700	6,000	-	5,600	5,900	-	-	-	-	-	-	-	-	-	-	-	
160	-	-	-	-	-	-	5,200	5,400	-	5,100	5,400	-	-	-	-	-	-	-	-	-	-	-	
165	-	-	-	-	-	-	4,700	4,900	-	4,600	4,900	-	-	-	-	-	-	-	-	-	-	-	
170	-	-	-	-	-	-	4,200	4,400	-	4,100	4,400	-	-	-	-	-	-	-	-	-	-	-	
175	-	-	-	-	-	-	3,800	-	-	3,700	3,900	-	-	-	-	-	-	-	-	-	-	-	
180	-	-	-	-	-	-	3,400	-	-	3,300	-	-	-	-	-	-	-	-	-	-	-	-	
185	-	-	-	-	-	-	-	-	-	3,000	-	-	-	-	-	-	-	-	-	-	-	-	
			1				1			1			1									1	
1)			1				2			1			9										

Telescopic conditions (%)

Tele 1	0	46	92	100
Tele 2	0	46	92	100
Tele 3	0	46	92	100
Tele 4	0	46	92	100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Operation

Fully extended – SMART CHART

55,100 lb													23'7-1/2" x 19'8-1/4"			58.7'			360°		
41.0'				98.9'				156.8'				167.3'									
3.5°			25°			45°			3.5°			25°			45°						
ft	lb																				
30	11,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
35	10,200	-	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-					
40	9,300	7,300	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-					
45	8,500	6,800	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-					
50	7,900	6,500	-	-	9,100	-	-	7,600	-	-	-	6,600	-	-	-	-					
55	7,300	6,100	5,500	-	9,100	6,800	-	7,600	-	-	-	6,600	-	-	-	-					
60	6,900	5,800	5,300	-	9,000	6,600	-	7,600	-	-	-	6,600	-	-	-	-					
65	6,400	5,600	5,000	-	8,500	6,300	-	7,600	-	-	-	6,600	-	-	-	-					
70	6,100	5,400	4,800	-	8,100	6,100	5,300	7,600	6,100	-	-	6,600	-	-	-	-					
75	5,800	5,100	4,600	-	7,700	5,900	5,100	7,500	5,900	-	-	6,600	5,900	-	-	-					
80	5,400	4,800	4,500	-	7,400	5,800	5,000	7,300	5,800	-	-	6,600	5,700	-	-	-					
85	5,000	4,600	-	-	7,100	5,600	4,800	7,200	5,600	5,000	-	6,600	5,600	-	-	-					
90	4,700	4,400	-	-	6,800	5,400	4,700	7,000	5,500	4,900	-	6,600	5,500	4,800	-	-					
95	-	-	-	-	6,500	5,300	4,600	6,800	5,400	4,700	-	6,600	5,300	4,800	-	-					
100	-	-	-	-	6,300	5,200	4,500	6,700	5,300	4,600	-	6,500	5,200	4,700	-	-					
105	-	-	-	-	6,000	5,000	4,400	6,500	5,100	4,500	-	6,400	5,100	4,500	-	-					
110	-	-	-	-	5,800	4,900	4,300	6,300	5,000	4,400	-	6,200	5,000	4,500	-	-					
115	-	-	-	-	5,600	4,700	4,200	6,200	4,900	4,300	-	6,100	4,900	4,400	-	-					
120	-	-	-	-	5,400	4,600	4,200	6,000	4,900	4,300	-	6,000	4,800	4,300	-	-					
125	-	-	-	-	5,300	4,500	-	5,800	4,800	4,200	-	5,800	4,700	4,200	-	-					
130	-	-	-	-	5,100	4,300	-	5,700	4,700	4,100	-	5,700	4,700	4,100	-	-					
135	-	-	-	-	4,900	4,300	-	5,600	4,600	4,100	-	5,600	4,600	4,100	-	-					
140	-	-	-	-	4,700	4,200	-	5,400	4,500	4,000	-	5,400	4,500	4,000	-	-					
145	-	-	-	-	4,500	-	-	5,300	4,500	3,900	-	5,300	4,400	3,900	-	-					
150	-	-	-	-	4,400	-	-	5,200	4,400	3,900	-	5,200	4,400	3,900	-	-					
155	-	-	-	-	-	-	-	5,100	4,300	3,900	-	5,100	4,300	3,800	-	-					
160	-	-	-	-	-	-	-	5,000	4,200	3,800	-	5,000	4,200	3,800	-	-					
165	-	-	-	-	-	-	-	4,900	4,100	-	-	4,900	4,100	3,700	-	-					
170	-	-	-	-	-	-	-	4,800	4,000	-	-	4,600	4,100	3,700	-	-					
175	-	-	-	-	-	-	-	4,300	4,000	-	-	4,200	4,000	-	-	-					
180	-	-	-	-	-	-	-	3,900	3,900	-	-	3,800	3,900	-	-	-					
185	-	-	-	-	-	-	-	3,600	3,900	-	-	3,400	3,900	-	-	-					
			1				1			1				1							
1)			1				2			1				9							

Telescopic conditions (%)

Tele 1	0			46				92						100		
Tele 2	0			46				92						100		
Tele 3	0			46				92						100		
Tele 4	0			46				92						100		

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Fully extended – SMART CHART

40,600 lb													23'7-1/2" x 19'8-1/4"			33.8'			360°					
41.0'													98.9'			156.8'			167.3'					
3.5°				25°				45°				3.5°				25°				45°				
ft													lb											
10	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
15	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25	14,600	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	14,600	13,300	10,600	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	14,600	12,100	9,900	14,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
40	14,100	11,000	9,300	14,600	13,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45	12,500	10,200	8,800	14,600	12,300	9,600	12,100	-	-	-	11,000	-	-	-	-	-	-	-	-	-	-	-		
50	11,300	9,600	8,500	14,600	11,700	9,300	12,100	11,400	-	-	11,000	-	-	-	-	-	-	-	-	-	-	-		
55	10,300	9,000	8,300	14,600	11,200	9,000	12,100	11,000	-	-	11,000	10,800	-	-	-	-	-	-	-	-	-	-		
60	9,400	8,600	-	14,600	10,700	8,700	12,100	10,600	8,700	11,000	10,400	-	-	-	-	-	-	-	-	-	-	-		
65	8,700	8,400	-	13,800	10,200	8,500	12,100	10,300	8,500	11,000	10,100	8,400	-	-	-	-	-	-	-	-	-	-		
70	-	-	-	12,900	9,800	8,300	12,000	9,900	8,300	11,000	9,800	8,200	-	-	-	-	-	-	-	-	-	-		
75	-	-	-	12,200	9,500	8,200	11,500	9,600	8,100	10,700	9,500	8,100	-	-	-	-	-	-	-	-	-	-		
80	-	-	-	11,600	9,100	8,000	11,000	9,400	8,000	10,300	9,300	7,900	-	-	-	-	-	-	-	-	-	-		
85	-	-	-	11,000	8,900	7,900	10,600	9,100	7,800	9,900	9,000	7,800	-	-	-	-	-	-	-	-	-	-		
90	-	-	-	10,400	8,600	7,800	10,200	8,900	7,700	9,500	8,700	7,600	-	-	-	-	-	-	-	-	-	-		
95	-	-	-	10,000	8,400	7,700	9,800	8,600	7,500	9,200	8,400	7,500	-	-	-	-	-	-	-	-	-	-		
100	-	-	-	9,500	8,200	-	9,500	8,400	7,400	8,900	8,200	7,400	-	-	-	-	-	-	-	-	-	-		
105	-	-	-	9,100	8,000	-	9,200	8,200	7,300	8,600	8,000	7,300	-	-	-	-	-	-	-	-	-	-		
110	-	-	-	8,800	7,900	-	8,900	8,100	7,200	8,400	7,700	7,200	-	-	-	-	-	-	-	-	-	-		
115	-	-	-	8,500	7,900	-	8,500	7,900	7,100	8,200	7,500	7,100	-	-	-	-	-	-	-	-	-	-		
120	-	-	-	8,200	-	-	7,700	7,700	7,100	7,600	7,300	7,000	-	-	-	-	-	-	-	-	-	-		
125	-	-	-	7,600	-	-	6,900	7,500	7,000	6,800	7,200	6,900	-	-	-	-	-	-	-	-	-	-		
130	-	-	-	-	-	-	6,200	6,700	6,900	6,100	6,700	6,800	-	-	-	-	-	-	-	-	-	-		
135	-	-	-	-	-	-	5,600	6,000	6,300	5,500	6,000	6,300	-	-	-	-	-	-	-	-	-	-		
140	-	-	-	-	-	-	5,000	5,400	-	4,900	5,400	5,600	-	-	-	-	-	-	-	-	-	-		
145	-	-	-	-	-	-	4,400	4,800	-	4,300	4,800	5,000	-	-	-	-	-	-	-	-	-	-		
150	-	-	-	-	-	-	3,900	4,300	-	3,800	4,200	-	-	-	-	-	-	-	-	-	-	-		
155	-	-	-	-	-	-	3,500	3,700	-	3,400	3,700	-	-	-	-	-	-	-	-	-	-	-		
160	-	-	-	-	-	-	3,000	3,300	-	2,900	3,200	-	-	-	-	-	-	-	-	-	-	-		
165	-	-	-	-	-	-	2,600	2,800	-	2,500	2,800	-	-	-	-	-	-	-	-	-	-	-		
170	-	-	-	-	-	-	2,200	2,400	-	2,100	2,400	-	-	-	-	-	-	-	-	-	-	-		
175	-	-	-	-	-	-	1,900	-	-	1,800	2,000	-	-	-	-	-	-	-	-	-	-	-		
180	-	-	-	-	-	-	1,600	-	-	1,500	-	-	-	-	-	-	-	-	-	-	-	-		
185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			1				1			1			1									1		
1)			1				2			1			9											

Telescopic conditions (%)

Tele 1	0	46	92	100
Tele 2	0	46	92	100
Tele 3	0	46	92	100
Tele 4	0	46	92	100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Operation

Fully extended – SMART CHART

40,600 lb		23'7-1/2" x 19'8-1/4"			58.7'			360°								
41.0'		98.9'			156.8'			167.3'								
3.5°		25°			45°			3.5°			25°			45°		
ft	lb															
30	11,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	10,200	-	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-
40	9,300	7,300	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-
45	8,500	6,800	-	-	9,100	-	-	-	-	-	-	-	-	-	-	-
50	7,900	6,500	-	-	9,100	-	-	7,600	-	-	6,600	-	-	-	-	-
55	7,300	6,100	5,500	-	9,100	6,800	-	7,600	-	-	6,600	-	-	-	-	-
60	6,900	5,800	5,300	-	9,000	6,600	-	7,600	-	-	6,600	-	-	-	-	-
65	6,400	5,600	5,000	-	8,500	6,300	-	7,600	-	-	6,600	-	-	-	-	-
70	6,100	5,400	4,800	-	8,100	6,100	5,300	7,600	6,100	-	6,600	-	-	-	-	-
75	5,800	5,100	4,600	-	7,700	5,900	5,100	7,500	5,900	-	6,600	5,900	-	-	-	-
80	5,400	4,800	4,500	-	7,400	5,800	5,000	7,300	5,800	-	6,600	5,700	-	-	-	-
85	5,000	4,600	-	-	7,100	5,600	4,800	7,200	5,600	5,000	6,600	5,600	-	-	-	-
90	4,700	4,400	-	-	6,800	5,400	4,700	7,000	5,500	4,900	6,600	5,500	4,800	-	-	-
95	-	-	-	-	6,500	5,300	4,600	6,800	5,400	4,700	6,600	5,300	4,800	-	-	-
100	-	-	-	-	6,300	5,200	4,500	6,700	5,300	4,600	6,500	5,200	4,700	-	-	-
105	-	-	-	-	6,000	5,000	4,400	6,500	5,100	4,500	6,400	5,100	4,500	-	-	-
110	-	-	-	-	5,800	4,900	4,300	6,300	5,000	4,400	6,200	5,000	4,500	-	-	-
115	-	-	-	-	5,600	4,700	4,200	6,200	4,900	4,300	6,100	4,900	4,400	-	-	-
120	-	-	-	-	5,400	4,600	4,200	6,000	4,900	4,300	6,000	4,800	4,300	-	-	-
125	-	-	-	-	5,300	4,500	-	5,800	4,800	4,200	5,800	4,700	4,200	-	-	-
130	-	-	-	-	5,100	4,300	-	5,700	4,700	4,100	5,700	4,700	4,100	-	-	-
135	-	-	-	-	4,900	4,300	-	5,600	4,600	4,100	5,600	4,600	4,100	-	-	-
140	-	-	-	-	4,700	4,200	-	5,400	4,500	4,000	5,400	4,500	4,000	-	-	-
145	-	-	-	-	4,500	-	-	5,000	4,500	3,900	4,900	4,400	3,900	-	-	-
150	-	-	-	-	4,400	-	-	4,500	4,400	3,900	4,400	4,400	3,900	-	-	-
155	-	-	-	-	-	-	-	4,000	4,300	3,900	3,900	4,300	3,800	-	-	-
160	-	-	-	-	-	-	-	3,600	4,200	3,800	3,400	4,100	3,800	-	-	-
165	-	-	-	-	-	-	-	3,200	3,700	-	3,000	3,600	3,700	-	-	-
170	-	-	-	-	-	-	-	2,800	3,300	-	2,600	3,200	3,500	-	-	-
175	-	-	-	-	-	-	-	2,400	2,800	-	2,300	2,800	-	-	-	-
180	-	-	-	-	-	-	-	2,100	2,400	-	1,900	2,400	-	-	-	-
185	-	-	-	-	-	-	-	1,700	2,100	-	1,600	2,000	-	-	-	-
		1				1			1			1				
1)		1				2			1			9				

Telescopic conditions (%)

Tele 1	0			46			92			100
Tele 2	0			46			92			100
Tele 3	0			46			92			100
Tele 4	0			46			92			100

1) Boom block

NOTE:

The lifting capacity data stored in the LOAD MOMENT INDICATOR (AML-E2) is based on the standard number of parts of line listed in the chart.



Smart Chart

Notes to Lifting Capacity

GENERAL

1. RATED LIFTING CAPACITIES apply only to the machine as originally manufactured and normally equipped by TADANO LTD. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Hydraulic cranes can be hazardous if improperly operated or maintained. Operation and maintenance of this machine must be in compliance with information, in the operation and maintenance manual supported with the crane. If this manual is missing, order a replacement through the distributor.
3. The operator and other personnel associated with this machine shall fully acquaint themselves with the latest American National Standards Institute (ANSI) safety standards for cranes.

SET UP

1. Rated lifting capacities on the chart are the maximum allowable crane capacities and are based on the machine standing level on firm supporting surface under ideal job conditions. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the loads to a larger bearing surface.
2. For outrigger operation, outriggers shall be properly extended with tires free of supporting surface before operating crane.

OPERATION

1. Rated lifting capacities have been tested to and meet minimum requirements of SAE J1063-Cantilevered Boom Crane Structures Method of Test.
2. Rated lifting capacities do not exceed 85% of the tipping load on outriggers fully extended as determined by SAE J765-Crane Stability Test Code.
Rated lifting capacities for partially extended outriggers are determined from the formula, rated lifting capacities = (tipping load - 0.1 × tip reaction) / 1.25.
3. Rated lifting capacities are based on actual load radius increased by boom deflection.
4. The weight of handling device such as hook blocks, slings, etc., must be considered as part of the load and must be deducted from the lifting capacities.
5. Rated lifting capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, operating speeds, side loads, etc. Side pull on boom or jib is extremely dangerous. Such action can damage the boom, jib or slewing mechanism, and lead to overturning of the crane.
6. Rated lifting capacities do not account for wind on lifted load or boom. We recommend against working under the condition that the load is out of control due to a strong wind. During boom lift, consider that the rated lifting capacity is reduced by 50% when the wind speed is 20 mph to 27 mph; reduced by 70% when the wind speed is 27 mph to 31 mph. If the wind speed is 31 mph or over, stop operation. During jib lift, stop operation if the wind speed is 20 mph or over.
7. Rated lifting capacities at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
8. Do not operate at boom lengths, radii, or boom angle, where no capacities are shown. Crane may overturn without any load on the hook.
9. When boom length is between values listed, refer to the rated lifting capacities of the next longer and next shorter booms for the same radius. The lesser of the two rated lifting capacities shall be used.
10. When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
11. Load per line should not exceed 15,900 lb for main winch and auxiliary winch.
12. Check the actual number of parts of line with LOAD MOMENT INDICATOR (AML-E2) before operation. Maximum lifting capacity is restricted by the number of parts of line of LOAD MOMENT INDICATOR (AML-E2).
Limited capacity is as determined from the formula, single line pull for main winch 15,900 lb x number of parts of line.
13. The boom angle before loading should be greater to account for deflection. For rated lifting capacities, the loaded boom angle and the load radius is for reference only. The 41.0' boom length capacities are based on boom fully retracted.
14. The maximum capacity without boom pin (B-pin) is shown in the rated lifting capacity table.
15. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
16. For lifting capacity of single top, deduct the weight of the load handling equipment from the rated lifting capacity of the boom.
For the lifting capacity of single top, the net capacity shall not exceed 15,900 lb including the main boom hook mass attached to the boom.
17. When the base jib or top jib or both jibs are dismounted, set the jib state switch to the DISMOUNTED position.
18. When erecting and stowing jib, be sure to retain it by hand or by other means to prevent its free movement.
19. Use "ANTI-TWO BLOCK" disable switch when erecting and stowing jib and when stowing hook block. While the switch is pushed, the hoist does not stop, even when overwind condition occurs.
20. When lifting a load by using jib (aux. winch) and boom (main winch) simultaneously, do the following:
 - Enter the operation status as jib operation, not as boom operation.
 - Before starting operation, make sure that mass of load is within rated lifting capacity for jib.
21. Outriggers shall be extended 23'7-1/2" spread when mounting or dismounting removable counterweight.

DEFINITIONS

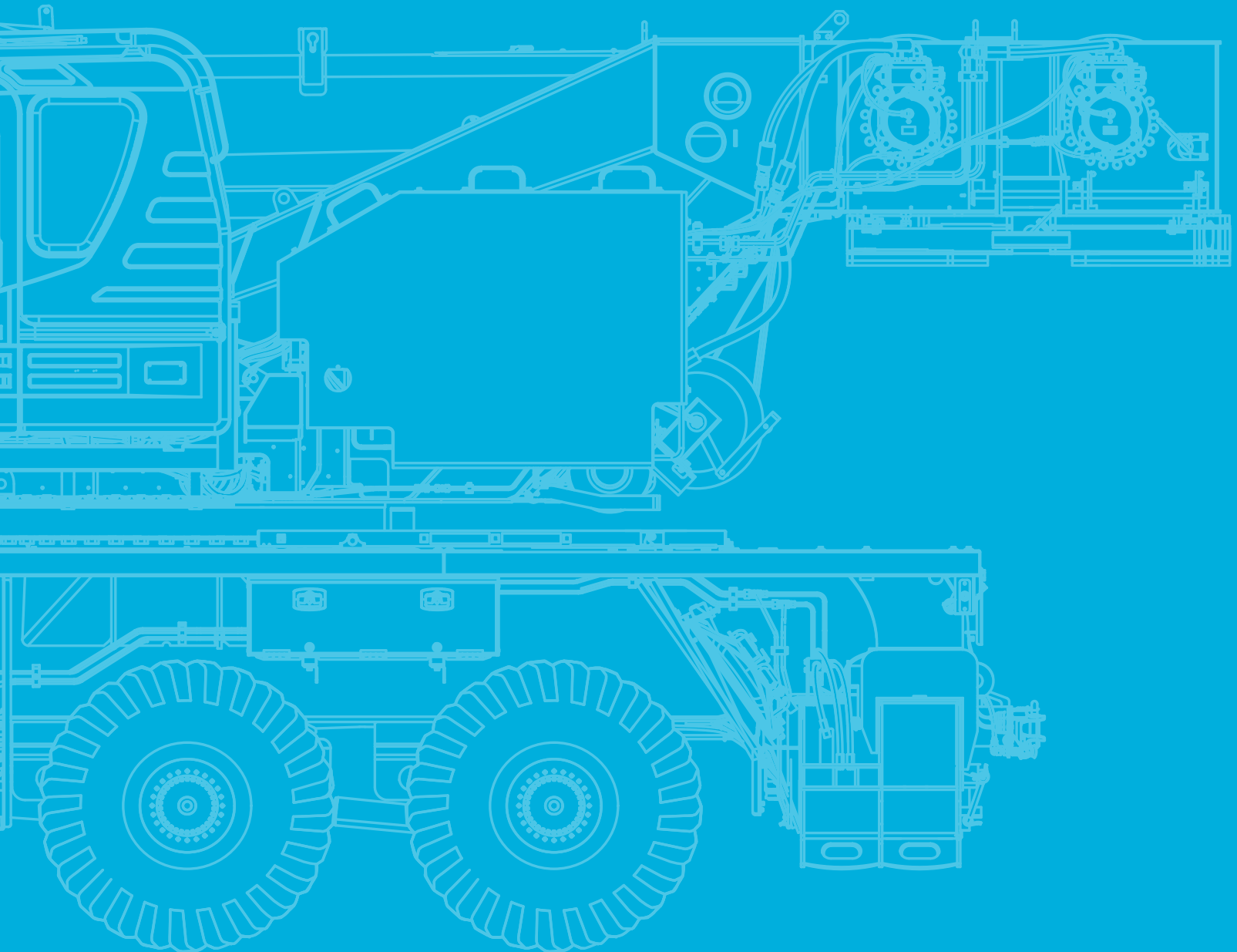
1. Load radius: Horizontal distance from a projection of the axis of rotation to supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
2. Loaded boom angle: The angle between the boom base section and the horizontal, after lifting the rated lifting capacity at the load radius.
3. Working area: Area measured in a circular arc about the centerline of rotation.
4. Freely suspended load: Load hanging free with no direct external force applied except by the hoist line.
5. Side load: Horizontal side force applied to the lifted load either on the ground or in the air.

Warning and Operating Instructions

Notes for Load Moment Indicator (AML-E2)

1. Set AML select keys in accordance with the actually operating crane conditions and don't fail to make sure, before crane operation, that the displays on front panel are correct.
2. When operating crane:
 - Set starter switch to “ON”
 - Press the outrigger state select key to register for the outrigger operation. If the display agrees with the actual state, press the set key to register. After the completion of the registration, the display returns to the crane operation status.
 - Press the counterweight state select key to register for the counterweight state. If the display agrees with the actual state, press the set key to register. After the completion of the registration, the display returns to the crane operation status.
 - Press the lift state select key to register the lift state to be used (single top / jib / boom).
 - Each time the lift state select key is pressed, the display changes. If the display agrees with the actual state, press the set key to register. After the completion of the registration, the display returns to the crane operation status.
 - When erecting and stowing jib, select the status of jib set (jib state indicative symbol lights up).
3. This machine is equipped with an automatic slewing stopping device (for the details, see operation and maintenance manual). But, operate very carefully because the automatic slewing stop does not work in the following cases.
 - When the “AML OVERRIDE” switch is set to “ON” and the “Override key switch” outside the cab is “ON”.
4. During crane operation, make sure that the displays on front panel are in accordance with actual operating conditions.
5. The displayed values of LOAD MOMENT INDICATOR (AML-E2) are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, operating speed, side loads, etc. For safe operation, it is recommended when extending and lowering boom or slewing, lifting loads shall be appropriately reduced.
6. LOAD MOMENT INDICATOR (AML-E2) is intended as an aid to the operator. Under no condition should it be relied upon to replace use of capacity charts and operating instruction. Sole reliance upon LOAD MOMENT INDICATOR (AML-E2) aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.
7. The lifting capacity differs depending on the outrigger extension width and slewing position. Work with the capacity corresponding to the outrigger extension width and slewing position. For the relationship among the outrigger extension width, slewing position and lifting capacities, refer to the working area charts.

TECHNICAL DESCRIPTION



Technical Description

Crane specifications

Boom	5 section boom, single cylinder telescoping with pinning system, 41.0' - 167.3', of round box construction with 5 sheaves, 15-3/4" root diameter, at boom head. 2 easily removable wire rope guards, rope dead end provided on both sides of boom head. Boom telescope sections are supported by wear pads both vertically and horizontally. Extension speed 126.3 ft in 280 seconds.
Boom elevation	By a double acting hydraulic cylinder with holding valve. Elevation -1.5° - 80.5°, combination controls for hand or foot operation. Boom angle indicator. Automatic speed reduction and slow stop function. Boom raising speed 20° to 60° in 40 seconds.
Jib	2 stage bi-fold lattice type, 3.5°, 25° or 45° offset (tilt type). Single sheave, 15-5/8" root diameter, at the head of both jib sections. Stored alongside base boom section. Jib length is 33.8' or 58.7'. Assistant cylinders for mounting and stowing, controlled at right side of superstructure. Self stowing jib mounting pins.
Auxiliary lifting sheave (single top)	Single sheave, 15-5/8" root diameter. Mounted to main boom head for single line work (stowable).
Anti-two block	Pendant type over-winding cut out device with audio-visual (FAILURE lamp /BUZZER) warning system.
Slewing	Hydraulic axial piston motor through planetary slewing speed reducer. Continuous 360° full circle slewing on ball bearing turn table at 1.5 min ⁻¹ {rpm}. Equipped with manually locked /released slewing brake. A 360° positive slewing lock for travel modes, manually engaged in cab. Twin slewing system: Free slewing or lock slewing controlled by selector switch on front console.
Winch	<p>MAIN WINCH: Variable speed type with grooved drum driven by hydraulic axial piston motor through speed reducer. Power load lowering and raising. Equipped with automatic brake (neutral brake) and counterbalance valve. Controlled independently of auxiliary winch. Equipped with cable follower and drum rotation indicator.</p> <p>DRUM: Grooved 15" root diameter x 29-1/4" wide. Wire rope: 892' of 3/4" diameter rope. Drum capacity: 1293' 7 layers. Maximum single line pull: 1st layer 21,800 lb. Maximum permissible line pull wire strength: 15,900 lb.</p> <p>AUXILIARY WINCH: Variable speed type with grooved drum driven by hydraulic axial piston motor through speed reducer. Power load lowering and raising. Equipped with automatic brake (neutral brake) and counterbalance valve. Controlled independently of main winch. Equipped with cable follower and drum rotation indicator.</p> <p>DRUM: Grooved 15" root diameter x 29-1/4" wide. Wire rope: 482' of 3/4" diameter rope. Drum capacity: 1293' 7 layers. Maximum single line pull: 1st layer 21,800 lb. Maximum permissible line pull wire strength: 15,900 lb.</p> <p>WIRE ROPE: Non-rotating 3/4", 7 x 35 class. Breaking strength 79,400 lb.</p>
Hook blocks	<p>100 ton - 7 sheaves with swivel hook and safety latch.</p> <p>55 ton - 3 sheaves with swivel hook and safety latch.</p> <p>22 ton - 1 sheave with swivel hook block and safety latch.</p> <p>7.9 ton - Weighted hook with swivel and safety latch.</p>
Counterweight	<p>Pinned to superstructure frame.</p> <p>Total mass of counterweights: 7,700 lb, 12,800 lb, 17,900 lb, 25,400 lb, 33,000 lb, 40,600 lb and 55,100 lb.</p> <p>Hydraulically controlled counterweight.</p>
Hydraulic system	<p>PUMPS: 2 variable piston pumps for crane functions. Tandem gear pump for slewing and optional equipment. Powered by carrier engine. Pump disconnect for crane is engaged/disengaged by rocker switch from carrier cab.</p> <p>CONTROL VALVES: Multiple valves actuated by pilot pressure with integral pressure relief valves.</p> <p>RESERVOIR: 160 gallons capacity. External sight level gauge.</p> <p>FILTRATION: BETA10 = 10 return filter, full flow with bypass protection, located inside of hydraulic reservoir. Accessible for easy replacement.</p> <p>OIL COOLER: Air cooled fan type.</p>
Cab and controls	<p>Crane operation can be performed from upper cab mounted on rotating superstructure.</p> <p>15° tilt, left side, 1 man type, steel construction with sliding door access and safety glass windows opening at side. Door window is powered control. Windshield glass window and roof glass window are shatter-resistant.</p> <p>Adjustable control lever stands for slewing, boom elevating, boom telescoping, auxiliary winch and main winch. Control lever stands can change neutral positions and tilt for easy access to cab. 3 way adjustable operator's seat with high back, headrest and armrest. Engine throttle knob. Foot operated controls: boom elevating, boom telescoping and engine throttle. Hot water cab heater and air conditioning.</p> <p>Dash-mounted instrument panel, multi function display, starter switch (engine start/stop), 12 V power outlet, USB port, power window switch, slewing brake switch, telescoping/auxiliary winch select switch, free slewing/lock slewing selector switch, air conditioning control switch.</p>

Technical Description

Crane specifications

Tadano electronic LOAD MOMENT INDICATOR system (AML-E2) including:
 Control lever lockout function with audible and visual pre-warning. Number of parts of line. Boom position indicator. Outrigger state indicator. Slewing angle. Boom angle / boom length / jib offset angle / jib length / load radius / rated lifting capacities / actual loads read out. Potential lifting height. Ratio of actual load moment to rated load moment indication. Automatic speed reduction and slow stop function on boom elevation and slewing.
 Working condition register switch. Load radius / boom angle / tip height / slewing range preset function.
 External warning lamp. Tare function. Main hydraulic oil pressure. Fuel consumption monitor.
 Main winch / auxiliary winch select. Drum rotation indicator (audible and visible type) main and auxiliary winch.
 AML-E2 monitors outrigger extended length and automatically programs the corresponding "RATED LIFTING CAPACITIES" table.
 Operator's right hand console includes transmission gear selector, slewing lock lever and sight level bubble. Upper console includes, roof washer and wiper switch, emergency outrigger set up key switch, jib equipped / removed select switch, high speed winch (main / aux.) switch, cab tilt switch, pump disconnect enable switch and boom emergency.
NOTE: Each crane motion speed is based on unladen conditions.

Carrier specifications

Type	Left-hand steering, 8 x 4.
Frame	High tensile steel, all welded mono-box construction.
Engine	Model: Cummins X12 (EPA 2021) · Type: Direct injection diesel · No. of cylinders: 6 · Combustion: 4 cycle, turbo charged and after cooled · Bore x stroke: 5.2 in. x 5.67 in. · Displacement: 720 cu. in liters · Air cleaner: Dry type, replaceable element · Oil filter: Full flow with replaceable element · Fuel filter: Full flow with replaceable element · Fuel tank: 100 gallons, right side of carrier · Cooling: Liquid pressurized, recirculating by-pass · Radiator: Fin and tube core, thermostat controlled · Fan: Suction type, 11-blade, 31.97 in. diameter · Starting: 24 volt · Charging: 24 volt system, negative ground · Battery: 2-120 amp. hour · Compressor, air: 25.9 cfm@2,000 rpm · Horsepower: Gross 500 HP (373 kW) · Torque, max.: 1700 ft-lb (2,305 Nm) · Capacity: Cooling water 5.5 gallons, lubrication 11 gallons, fuel 100 gallons, DEF/AdBlue 15.0 gallons.
Transmission	ZF TraXon 12TX 2615 SO – Automated Manual Transimission, electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears.
Transfer case	Two stage.
Travel speed	65 mph.
Axle	Front: Full floating type, steering axle. Rear: Full floating type, driving axle.
Steering	BOSCH-Servocom, dual circuit hydraulic and mechanical steering of both front axles. Transfer-mounted emergency steering pump.
Suspension	Front: Independent air suspension. Rear: Independent air suspension.
Brake systems	Service: ABS system. Full air brakes on all wheels. Dual air line system. Parking / Emergency: Spring loaded brake on rear 4-wheel controlled by knob of spring brake valve. Auxiliary: Constant throttle system with exhaust flap brake.
Tires	Front: 445/65R22.5 Single x 4. Rear: 315/80R22.5 Dual x 4.
Outriggers	Four hydraulic, beam and jack outriggers. Hydraulically operated H-type outriggers. Vertical jack cylinders equipped with integral holding valve. Each outrigger beam and jack is controlled independently. Outrigger jack floats are attached thus eliminating the need of manually attaching and detaching them. Controls and sight level bubble located either side of carrier. 4 outrigger extension lengths are provided with corresponding "RATED LIFTING CAPACITIES" for crane duty in confined areas. Min. extension: 7' 7" center to center Mid. extension: 15' 11 3/8" center to center Max. extension: 23' 7-1/2" center to center Float size: 21 3/8" x 21 3/8"
Front jack	A fifth hydraulically operated outrigger jack. Mounted to the front frame of carrier. Hydraulic cylinder equipped with integral holding valve and steel float.
Carrier cab	Two man full width cab of composite (steel sheet metal and fiber-glass) structure, with safety glass, air-cushioned seats, driver's seat offering various adjustment options, with memory function, engine dependent water heater, air conditioning, multifunction display and cruise control.

Technical Description

Standard equipment

FOR SUPERSTRUCTURE:

5 section boom, single cylinder telescoping with pinning system	41' - 167.3'
Bi-fold lattice jib	Tilt type, 33.8' or 58.7' quick reeving type with 3.5°, 25° or 45° pinned offsets and self storing pins.
Auxiliary lifting sheave	Single top - stowable.
Hook block	55 ton, 3 sheaves with swivel hook block and safety latch for 3/4" wire rope.
Hook ball	7.9 ton, with swivel.
Variable speed main hoist	With grooved drum, cable follower and 892' of 3/4" cable.
Variable speed auxiliary hoist	With grooved drum, cable follower and 482' of 3/4" cable.
2-speed winch	
Tadano electronic load moment indicator system (AML-E2)	
Self-removable counterweight	Total 55,100 lb.
Independently controlled outriggers	
Three outrigger extension positions	Min / mid / max.
Outrigger extension length detectors	
Front jack	Fifth jack.
Trailer coupling device	
Hydraulic circuit for dolly	Elevation, swing and swing brake.
Smart Chart	
Drum rotation indicator	Audible, visible and thumper type - main and auxiliary hoist.
Anti-two block device	Overwind cutout.
Winch over-unwinding prevention	
Telematics	Machine data logging and monitoring system) with HELLO-NET via internet.
Hydraulic oil cooler	
Weighted hook storage compartment	
Tadano twin slewing system and 360° positive slewing lock	
LED work lights	
Positive control	
Eco mode system	
Winch drum cameras	
Anemometer	
Air craft warning light	
Boom angle indicator	
15° tilt cab	
Self centering finger control levers	With pilot control.
Control pedals	For boom elevating and boom telescoping.
3 way adjustable cloth seat	With armrests and high back.
Hot water cab heater and air conditioner	
Tinted safety glass and sun visor	
Front windshield wiper and washer	
Roof window wiper and washer	
Power window	Cab door.
12 V power outlet	
USB port	Power supply.

Technical Description

Standard equipment

FOR CARRIER:

Engine	Cummins X12 (EPA 2021), direct injection diesel engine.
Transmission	ZF TraXon 12TX 2615 SO – Automatic manual transmission with electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears.
Transfer case	ZF TC27L, 2 stage.
Hendrickson independent air suspensions	
Drive	8 x 4.
Inter wheel differential lock	On axles 3 and 4.
Aluminum disc wheels	
Tires	Front: 445/65R22.5 Single x 4. Rear: 315/80R22.5 Dual x 4.
Air disc brakes	
Anti-lock braking system (ABS)	Engine compression brake.
BOSCH-Servocom	Dual circuit hydraulic and mechanical steering system with emergency steering pump multi function display.
Fuel tank	100 gallons.
AdBlue tank	15 gallons.
Hook block tie down	Front bumper.
Towing hooks	Front and rear.
Carrier mounted storage box	
Aluminum fenders	
Air dryer	
Water separator with filter	High filtration.
Battery disconnect switch	
Backup camera	
Beacon lamp	
Resin full cab	
3 way adjustable air-cushioned seat	
Tilt telescoping steering wheel	
Hourmeter	Operation from the carrier and superstructure.
Air conditioning	
USB port	Power supply.
Cruise control	
Clearance sonar	Rear side.
Tire inflation kit	

Optional equipment

FOR SUPERSTRUCTURE:

Hook block	100 ton, 7 sheaves with swivel hook block and safety latch for 3/4" wire rope. 22 ton, 1 sheave with swivel hook block and safety latch for 3/4" wire rope.
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Lifting your dreams

