

# GTC-1600

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US EPA TIER4F / EU STAGE V



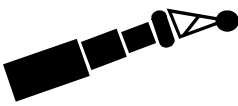

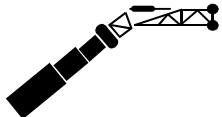
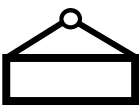
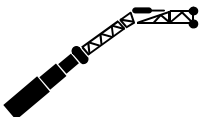



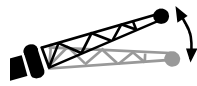



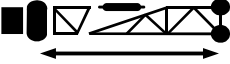

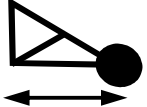
**TELESCOPIC  
BOOM  
CRAWLER  
CRANE**



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# Table of Contents

	Main Boom		Counterweight
	Short Heavy-Lift Jib		Slope Angle
	Bi-fold Jib		Weight Units
	Insert + Bi-fold Jib		360° Lifting Zone
	Lifting Radius		Over Side Lifting Zone
	Jib Offset Angle		Fully Extended Tracks
	Boom Length		Retracted Tracks
	Jib Length		Asymmetrical Tracks
	Short Jib Length		

# Technical Descriptions

## BASIC MACHINE

### Capacity

160 US ton (145t) at 8 ft (2.5m)

### Boom

Six section boom with single-cylinder pinned telescoping system.

- Retracted Length: 42.8' (13.1m)
- Extended Length: 200.1' (61.0m)
- Extension Time: 536 seconds
- Elevating Angles:  $-1.5^{\circ}$  to  $81.5^{\circ}$
- Elevating Time: 53 seconds
- Boom Head: Seven, 15.8 in. (400 mm) diameter cast steel sheaves on heavy-duty roller bearings, and two lead-in sheaves.

### Auxiliary Boom Head

Single 17.5 in (445mm) diameter cast steel sheave. Mounts to boom head for single line work. Swings to side for storage.

### Load Moment Indicator

Tadano AML-E Load Moment Indicator and Anti-Two Block system

- OPTI-WIDTHTM - OPTIMAL lifting performance at any track width.
- Control function shutdown with audible and visual warnings
- Full color touch screen provides continuous display of working boom length, boom angle, working load radius, tip height, swing position, parts-of-line (operator set), machine track configuration, relative load moment, maximum permissible load and actual load
- Anti-two block weight allows quick reeving of hook block
- Configurable working range limits with automatic soft stop
- External 3-color LED light stack indicates safe working conditions

### Telematics

Equipped with HELLO-NET data logging and monitoring system accessible via the internet

## SUPERSTRUCTURE

High-strength steel structure precision machined to accept boom and swing components. Centralized plumbing of lubrication points for slew bearing and boom pivot pin.

### Counterweight

Self-erecting counterweight system with configuration sensing and remote control. Integrated access steps and mounting for handrails. Load charts available for various counterweight configurations.

Three upper counterweight configurations:

- 70,100 lb (31,797 kg)
- 40,300 lb (18,280 kg)
- 0 lb (0kg)

### Operator's Cab

Fully-enclosed, all-steel modular cab with lockable sliding door, acoustical lining, anti-slip floor, and tinted safety glass. Grab bars and steps are provided for easy access to the cab.

- $20^{\circ}$  tilt
- Air conditioned with defroster, heater, and circulating fan.
- Six-way adjustable seat with headrest and seat belt
- Electronic foot pedals control travel. A hydraulic foot pedal controls the swing service brake.
- Four-way adjustable armrest-mounted electronic joysticks control swing, main winch, auxiliary winch, boom hoist, and boom telescope.
- Selectable modes for Fine Control and Travel
- Seat termination switch immediately disables all joysticks and control pedals as the operator rises from the seat. Can also be disabled by switch on console.
- Camera views: Four cameras for view of winches, and rear, right and left sides of upper
- Remote control work lights mounted at front left side, front right side, and rear right side.
- Two-speed windshield wipers for front and top glass.
- Dome light
- Dry-chemical fire extinguisher

### Engine

Cummins B6.7 - 6 cylinder, 4 cycle, turbocharged and after cooled

Maximum power: 326 hp (243 kW) at 2,200 rpm

Maximum torque: 770 lb-ft (1,044 N•m) at 1,500 rpm

Alternator: 70 amp

Emission Certifications: U.S. EPA Tier 4f, Euromot Stage V

# Technical Descriptions

## Electrical system

24 VDC

## Fuel system

85 gal (321L) capacity diesel tank, with engine mounted filter and inline fuel/water separator. 10 gal (37.9L) capacity DEF /AdBlue tank.

## Hydraulic system

- Hydraulic Pumps: Two high pressure, variable piston pumps with positive displacement and power limiting controls for crane functions. Three gear pumps for swing, pilot/auxiliary, and cooling.
- Total Pump output: 250 gpm (946 l/min) @ 1900 RPM engine speed. 4,713 psi (325 bar) maximum pressure
- Directional Valves: Multiple pressure and flow compensated valves with electrically controlled integrated relief valves.
- Reservoir: 197 gallon (746 liter) capacity with filler/breather, sight gauge, cleanout, low level switch, and sump drain.
- Filtration: Three 5-micron, full flow return filters with electrical clogging indicator. 3-micron inline pilot oil pressure filter. Two 10-micron case flow filters

## Winches

Planetary geared two-speed winch with grooved drum, hydraulic motor, multi-disc internal brake and counterbalance valve. Includes drum rotation and last layer indicators. (Complete winch performance specs on page 7).

### Main Winch

- Rope Diameter and Length: 0.75 in. x 1050 ft (19 mm x 320 m)
- Auxiliary Winch
- Rope Diameter and Length: 0.75 in. x 738 ft (19 mm x 225 m)

## Swing

An axial piston swing motor with planetary gear reducer drives the pinion and the internal gear shear-ball slew bearing allowing smooth rotation even at low speeds.

- Swing Speed: 0 - 1.2 rpm
- Modes: Free swing with counter swing, or controlled swing with hydraulic braking
- Swing Parking Brake: Spring applied failsafe brake with hydraulic release that is controlled from the operators cab
- Swing Service Brake: Hydraulically applied, controlled through foot actuated pedal
- House Lock Systems: 360° house lock actuated from the operator's cab.

## CRAWLER CARRIER

Carrier comprising a center carbody, 4 extension beams, 2 crawlers, and integrated assembly jacks. Tool-free connection between crawlers and extension beams.

### Carbody

Torsion resistant welded structure constructed of high strength steel. Hydraulic lines with quick connection panels to crawler drives.

### Track Extension

Powerful hydraulic track extend system quickly adjusts operating width while stationary or travelling. Track position sensing allows automatic selection of operating configuration in AML.

### Crawlers

Two crawler frames are paired with a track group. Self-assembly with 4 track frame lifting points.

- Track Rollers: Fifteen bottom rollers and replaceable top wear pads on each track frame.
- Idler: Oil filled, self-lubricating with nitrogen type tensioner
- Track Shoes: 35.4 inch (900 mm), 3-bar semi-grousers are standard equipment

### Crawler drive

The tracks are powered by a pilot controlled, two-speed drive with piston motor and parking brake. Each crawler speed is infinitely variable, both independently and in opposite direction.

- 0.6 mph (1.0 km/hr)/ 1.6 mph (2.5 km/hr)
- Gradeability (unladen): 52%

### Assembly Jacks

2-stage jacks mounted to carbody structure with radio remote control and self-leveling for easy assembly/disassembly for transport. Includes 4 octagonal outrigger pads.

### Carbody Counterweights

Two carbody counterweights with integrated lift points. Rear counterweight includes storage locations for track frame assembly bars and outrigger pads. Front counterweight includes toolbox and storage location for overhaul ball.

# Technical Descriptions

## OPTIONAL EQUIPMENT

### Jibs

- Heavy lift jib
  - Total Length: 11.8ft (3.6m)
  - Offset Angles: 0°-40°
  - Max. Lifting Height: 208 ft (63.4 m)
- Main jib
  - Total Length: 33.8ft (10.3m)
  - Offset Angles: 0°-40° (hydraulic or mechanical offset)
  - Max. Lifting Height: 230 ft (71.3 m)
- Fly jib
  - Total Length: 59.1ft (18.0m) when mounted to main jib
  - Offset Angles: 0°-40° (hydraulic or mechanical offset)
  - Max. Lifting Height: 255 ft (78.9 m)
- Long jib
  - Total Length: 105 ft (32.0m); includes 2 x lattice inserts, main, and fly jibs.
  - Offset Angles: 0°-40° (hydraulic or mechanical offset)
  - Max. Lifting Height: 302 ft (92.0 m)
- Hook Blocks
- 110 US ton (100t) hook block – seven steel sheaves with swivel hook & safety latch
- 50 US ton (45t) hook block – three steel sheaves with swivel hook & safety latch
- 11.0 US ton (10t) overhaul Ball with swivel hook & safety latch

### Crawler Shoes

- 35.4 in (900mm) flat shoes
- 39.4 in (1000mm) flat shoes
- 39.4 in (1000mm) 3-bar semi-grouser

### Other

- Cold Weather Packages: Cold weather options are available for operation to -40°C (Consult factory for application support)
- Work Platform: Model WP750 – 36 in x 72 in (0.9m x 1.8m), all steel, welded, two person platform with maximum capacity of 750 lbs (340 kg).
- Automatic central lubrication system
- Anemometer – Mounts to boom or jib head with cab display
- Aircraft Warning Beacon
- Cab Mounted Rotating Beacon
- TRAM Boom Access System
- FOPS: Operator Cab Falling Object Protection System; ISO 3449 Level II compliant
- Additional handrails for top of engine side covers
- Boom Removal System
- Full function Radio remote control package
- Load charts for barge operation

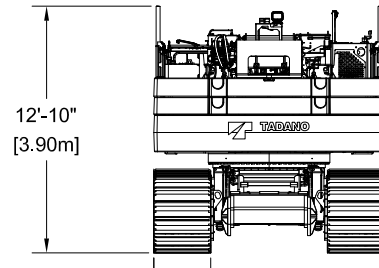
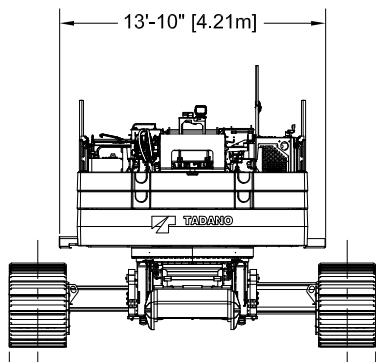
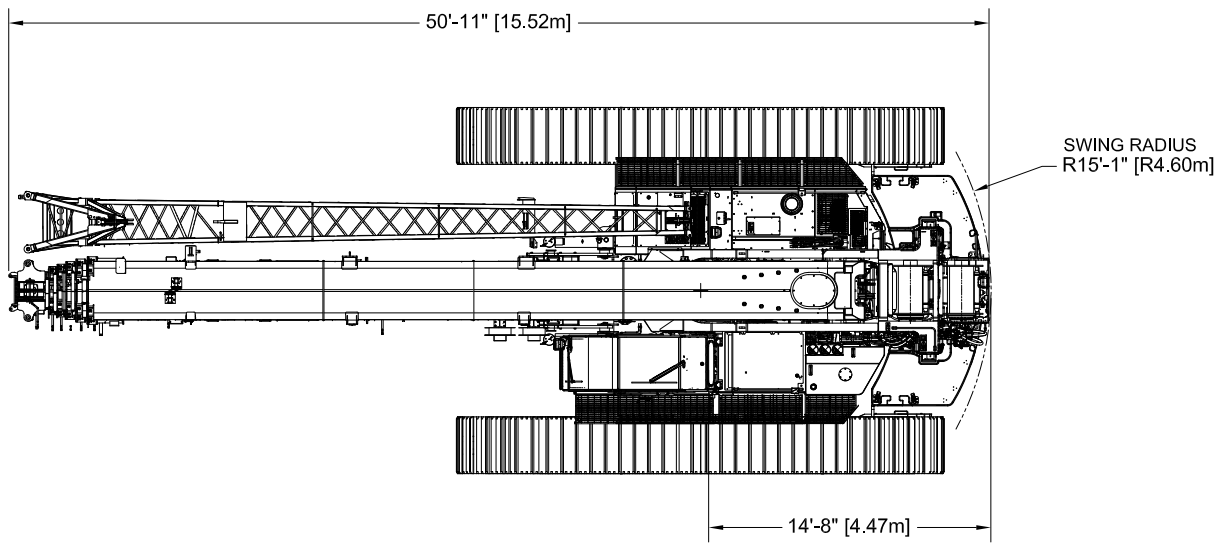
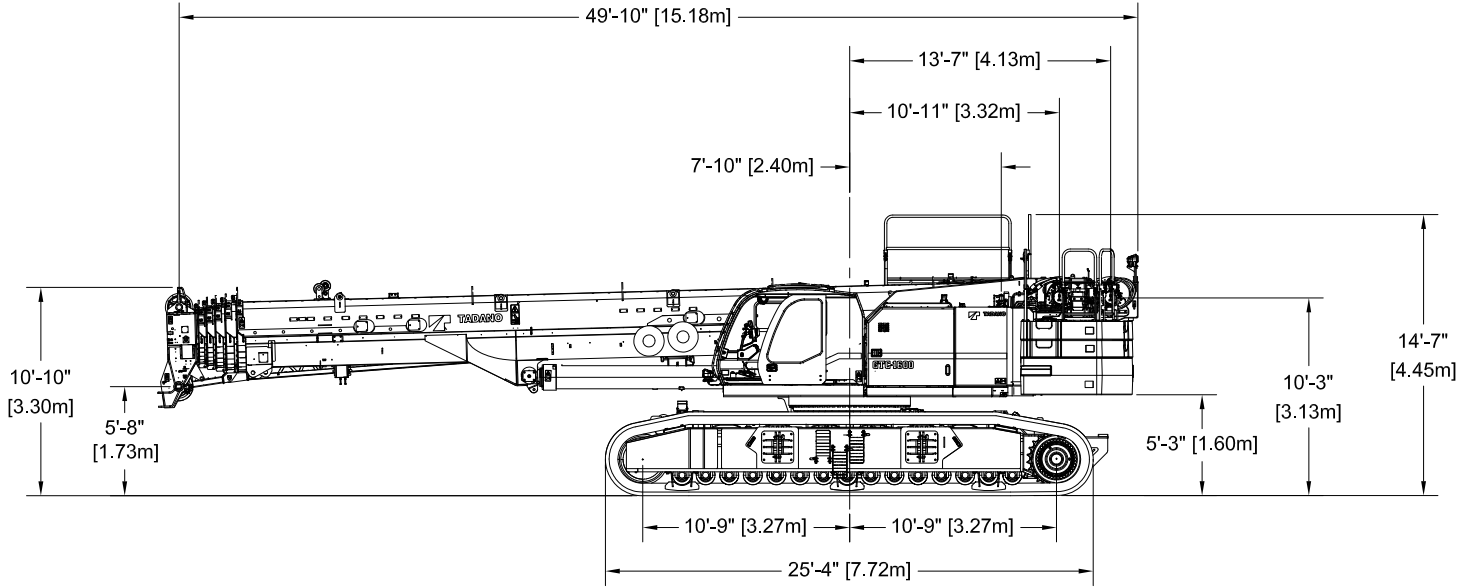
# Winch and Machine Weight Charts

MAIN WINCH AND AUXILIARY WINCH PERFORMANCE												
Wire Rope: 19 mm diameter rotation resistant. Line pulls are not based on wire rope strength.												
Rope Layer	Max Line Pull (lb)	Max Line Pull (kN)	High Line Speed (ft/min)	High Line Speed (m/min)	Normal Line Speed (ft/min)	Normal Line Speed (m/min)	Pitch Dia (in)	Pitch Dia (mm)	Layer (ft)	Layer (m)	Total (ft)	Total (m)
1	21,833	97.1	339.1	103.4	243.4	74.2	15.8	401.9	147.1	44.8	147.1	44.8
2	19,866	88.4	368.0	112.2	264.2	80.5	17.4	441.7	159.6	48.6	306.6	93.5
3	18,224	81.1	396.8	121.0	284.8	86.8	19.0	481.5	172.1	52.5	478.7	145.9
4	16,833	74.9	425.7	129.8	305.7	93.2	20.5	521.3	184.6	56.3	663.3	202.2
5	15,636	69.6	454.6	138.6	326.4	99.5	22.1	561.1	197.2	60.1	860.5	262.3
6	14,603	65.0	483.5	147.4	347.1	105.8	23.7	600.9	209.7	63.9	1070.2	326.3

MACHINE WEIGHTS	LB	KG
Standard Crane with 6 section, 200.1ft boom, full counterweight, 2 winches with wire rope, auxiliary nose sheave, and 35.4in (900mm) 3-bar semi grouser track shoes	252,095	114,349
Standard Crane with 6 section, 200.1ft boom, 2 winches with wire rope, auxiliary nose sheave (Counterweights and crawlers removed)	95,715	43,416
Standard Crane with 2 winches and wire rope (Boom, hoist cylinder, counterweights and crawlers removed)	56,915	25,816

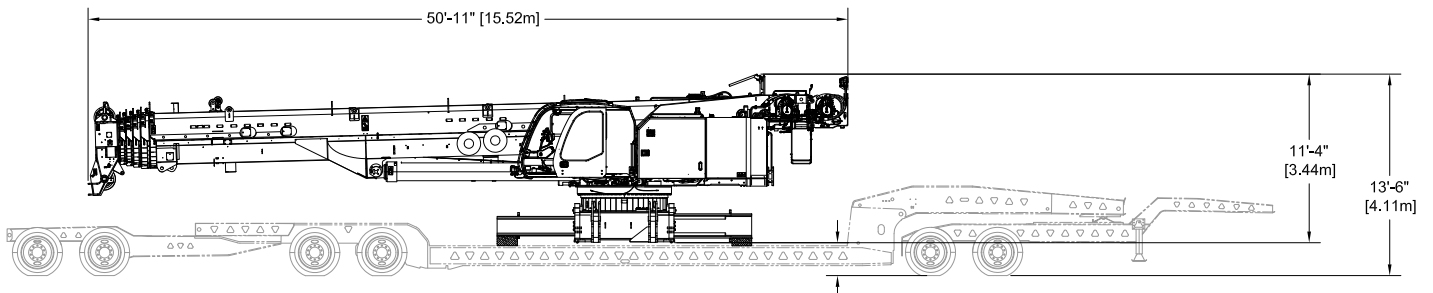
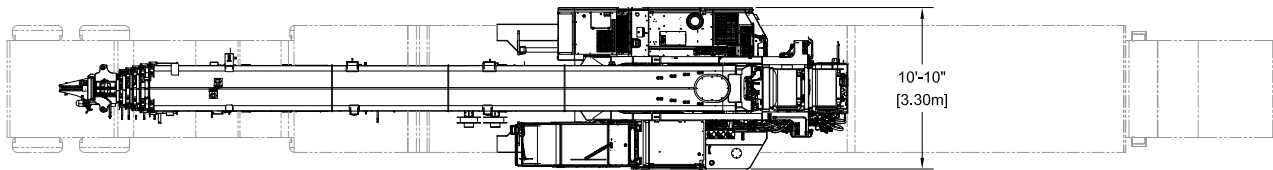
OPTIONAL EQUIPMENT	LB	KG
Heavy Lift Jib - 11.8 ft (3.6 m)	1,448	657
Main jib - 33.8 ft (10.3 m)	2,543	1,154
Jib Tip - 25.3 ft (7.8m)	753	341
Lattice Jib Insert - 2 pieces, 23ft (7 m)	1,936	878
Auxiliary Nose Sheave	139	63
110 USton (100t) hook block - seven sheave	2,405	1,091
50 USton (45t) hook block - three sheave	1,335	606
11 USton (10t) Overhaul Ball	660	300
Track Frame with 35.4in (900mm) 3-bar semi grouser track shoes	30,220	13,708
Track Frame with 35.4in (900mm) flat track shoes	29,308	13,294
Track Frame with 39.4in (1000mm) 3-bar semi grouser track shoes	31,025	14,072
Track Frame with 39.4in (1000mm) flat track shoes	30,026	13,620

# Dimensions and Transport





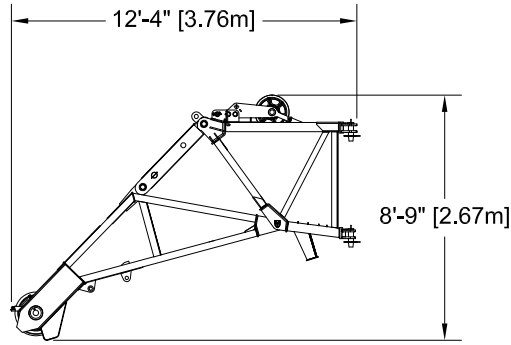
# Dimensions and Transport



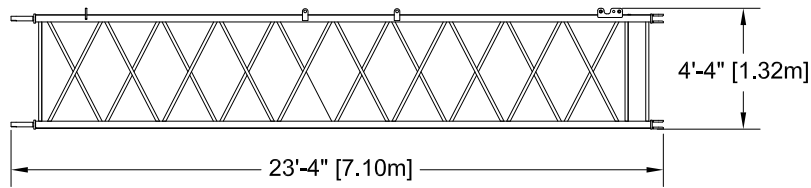
## Transport Plan

Item	Weight		Dims (L x W x H)	Trailer				
	lbs	kg		1	2	3	4	5
Crane Transporter (with 2 winches, boom, wire rope, aux nose sheave)	95,715	43,416	50' 11" x 10' 10" x 11' 4"	X				
Left Track Frame	30,220	13,708	25' 4" x 3' 7" x 4' 4"		X			
Right Track Frame	30,220	13,708	25' 4" x 3' 7" x 4' 4"			X		
Counterweight - Base assembly	40,300	18,280	6' 0" x 12' 0" x 5' 10"				X	
Counterweight - Mid	14,700	6,668	1' 10" x 12' 0" x 5' 10"					X
Counterweight - Upper	15,100	6,849	1' 5" x 12' 0" x 5' 10"					X
Carbody CWT - Front CWT with toolbox	13,180	5,978	4' 5" x 4' 3" x 3' 0"		X			
Carbody CWT - Rear CWT w/shelf, 2 bars, 4 outrigger pads	12,660	5,742	8' 10" x 4' 5" x 3' 1"			X		
Short heavy-lift jib	1,448	657	8' 9" x 12' 4" x 3' 2"					X
Main jib	2,543	1,154	35' 1" x 4' 6" x 3' 2"					X
Fly jib	753	341	25' 10" x 1' 8" x 2' 10"					X
Jib Insert	968	439	23' 4" x 3' 2" x 4' 4"					X
Jib Insert	968	439	23' 4" x 3' 2" x 4' 4"					X
Hook Block - 110 USton	2,405	1,091	5' 3" x 1' 10" x 2' 2"				X	
Hook Block - 50 USton	1,335	606	4' 5" x 1' 9" x 1' 8"					X
Overhaul Ball - 11 USton	660	300	3' 2" x 11" x 11"			X		
Miscellaneous Items (Crate)	500	227	4' 0" x 3' 0" x 3' 0"				X	

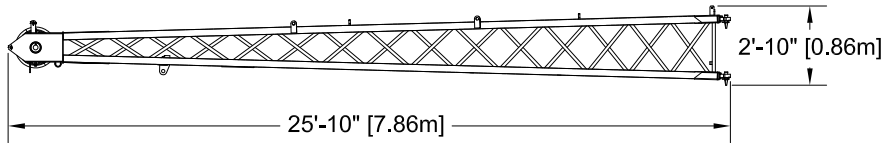
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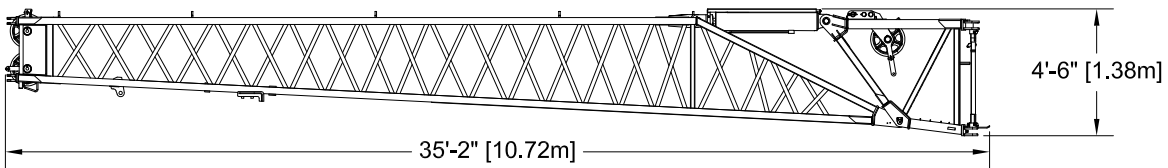
**SHORT HEAVY-LIFT JIB**  
1448 lb (657 kg)



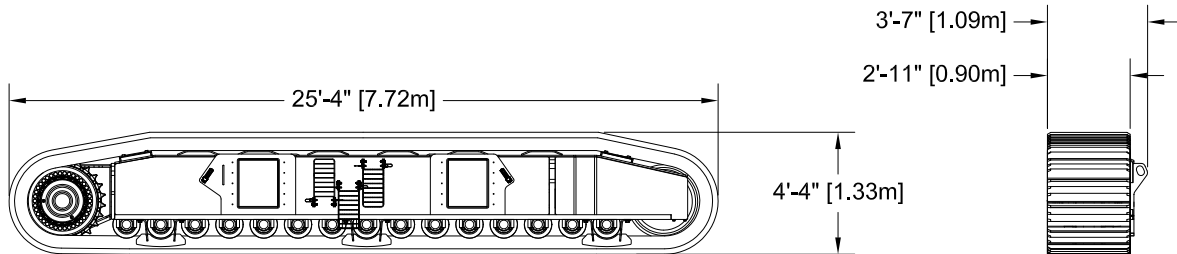
**JIB INSERT**  
968 lb (436 kg) each



**FLY JIB**  
753 lb (341 kg)

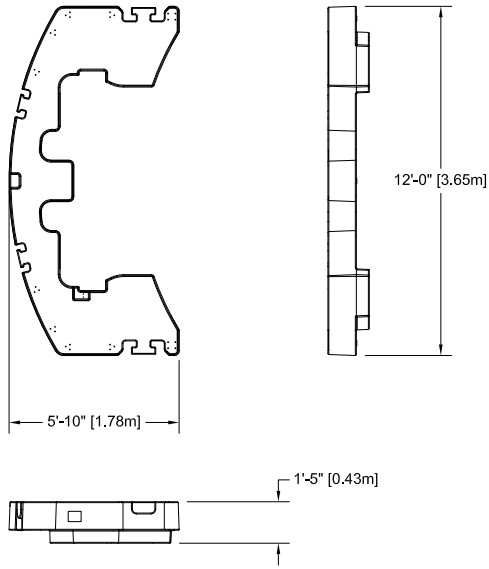


**MAIN JIB**  
2543 lb (1154 kg)

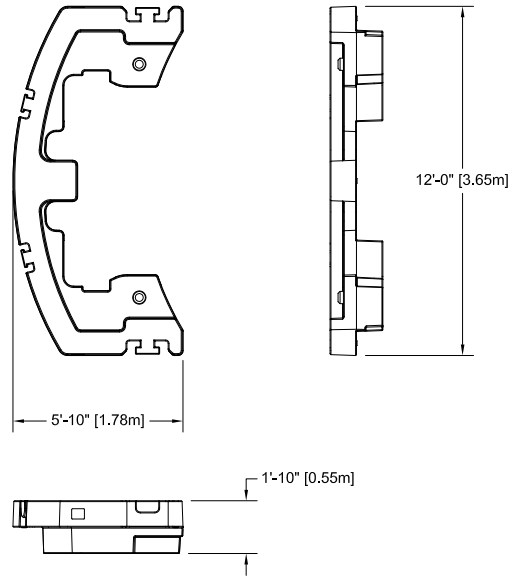


**TRACK FRAME ASSEMBLY**  
30,220 lb (13,708 kg) each

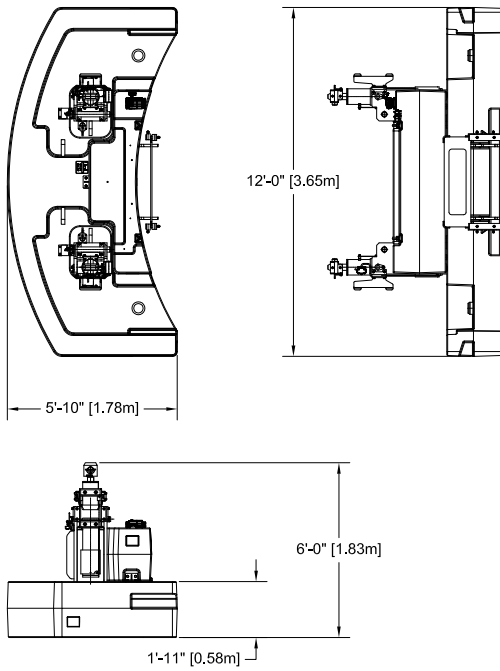
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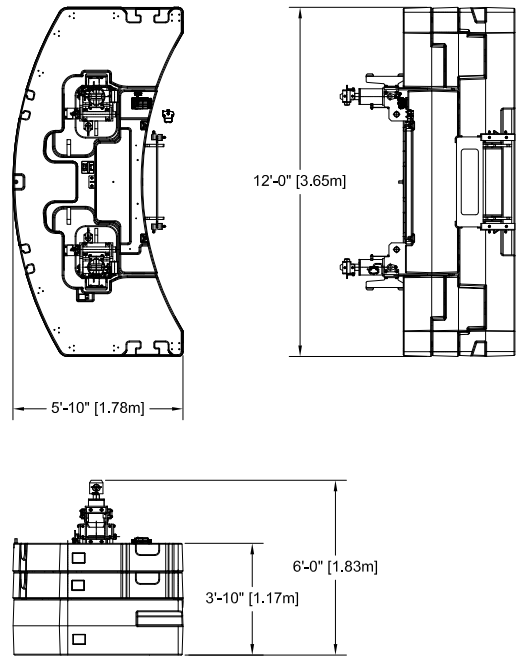
**UPPER COUNTERWEIGHT**  
15,100 lb (6849 kg)



**MID COUNTERWEIGHT**  
14,700 lb (6668 kg)

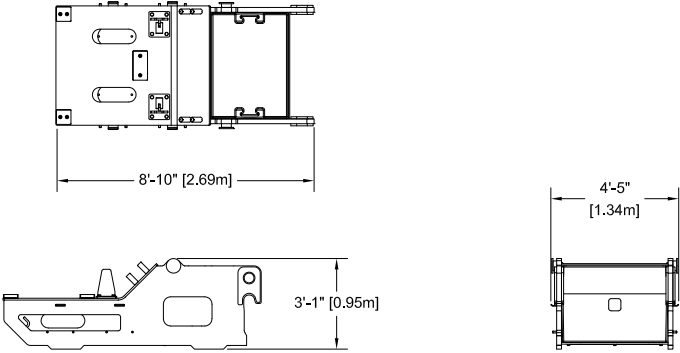


**40.3k COUNTERWEIGHT CONFIGURATION**  
40,300 lb (18,280 kg)

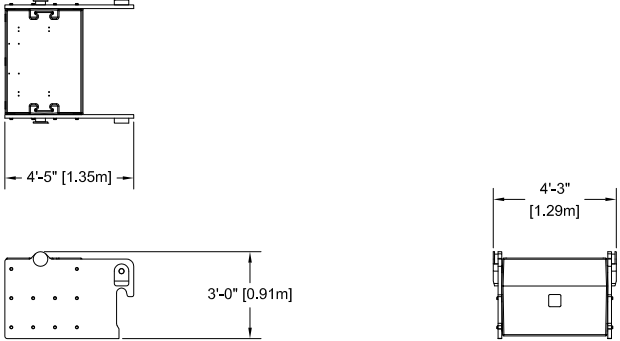


**70.1k COUNTERWEIGHT CONFIGURATION**  
70,100 lb (31,797 kg)

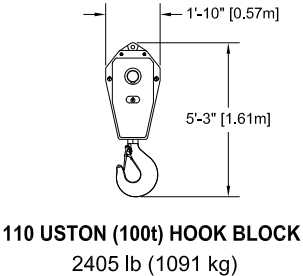
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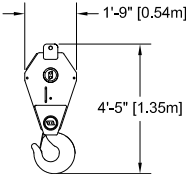
**REAR CARBODY COUNTERWEIGHT W/ SHELF**  
12,660 lb (5742 kg)



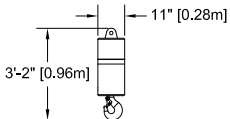
**FRONT CARBODY COUNTERWEIGHT**  
13,180 lb (5978 kg)



**110 USTON (100t) HOOK BLOCK**  
2405 lb (1091 kg)



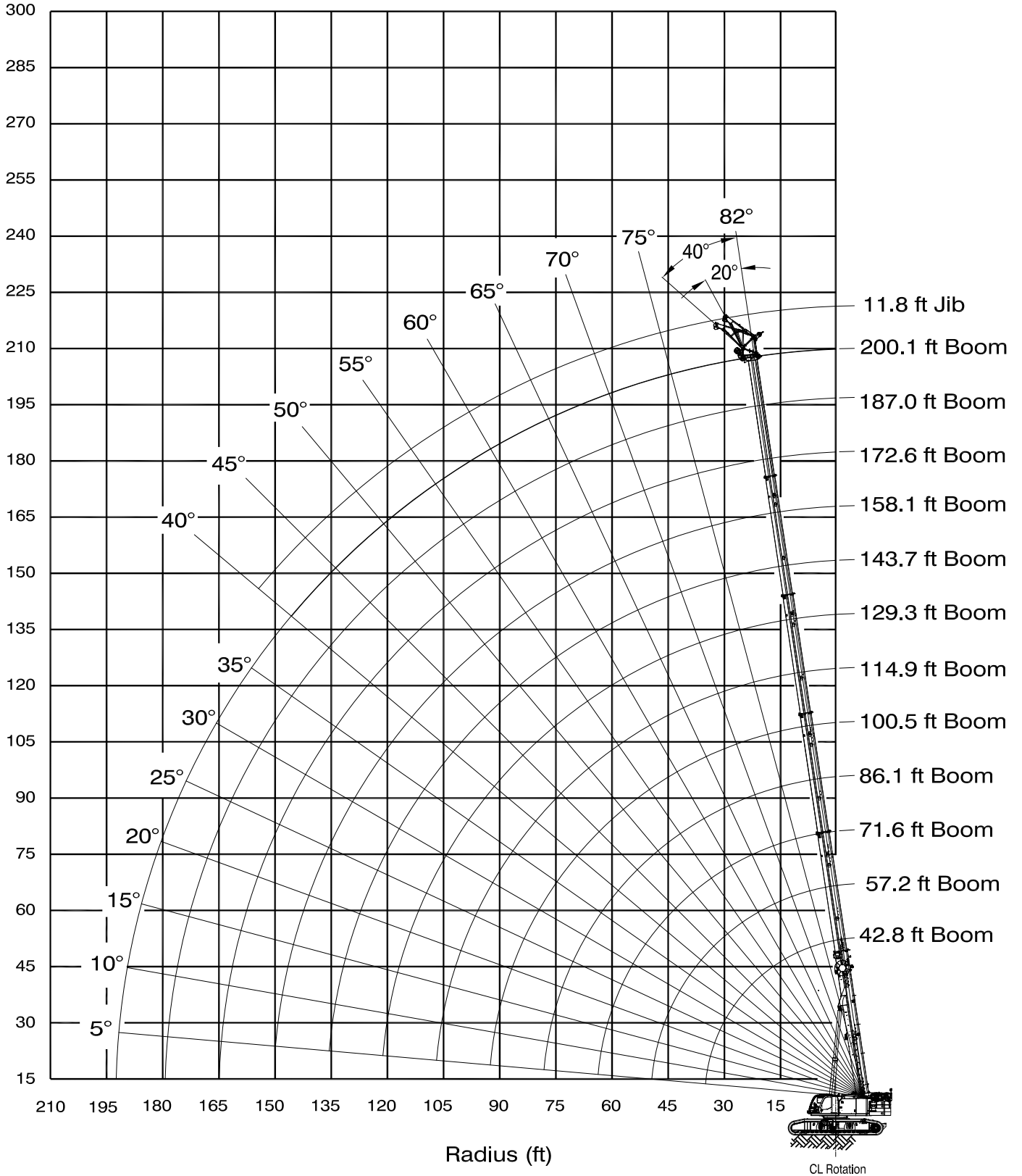
**50 USTON (45t) HOOK BLOCK**  
1335 lb (606 kg)



**11 USTON (10t) HOOK**  
660 lb (300 kg)

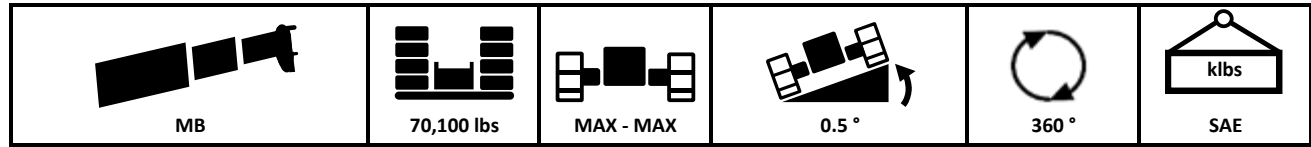
# Main Boom and Short Heavy Lift Jib

Lifting Height (ft)



# Load Charts

LOADS IN lb x 1000






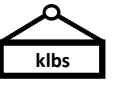



	ft	42.8	57.2	71.6	86.1	100.5	114.9	129.3	143.7	158.1	172.6	187.0	200.1	ft
	8.0	320.0*	200.0	174.2										8.0
	10.0	242.1*	200.0	174.2	145.5									10.0
	12.0	215.4*	200.0	174.2	145.5	111.8								12.0
	15.0	191.1	184.3	174.2	145.5	107.2	84.9							15.0
	20.0	156.0	151.5	146.6	135.2	106.3	83.0	66.4						20.0
	25.0	123.8	123.5	122.5	118.3	106.2	77.7	65.1	52.8					25.0
	30.0	92.8	92.8	92.2	91.6	91.8	77.7	59.6	51.8	41.8				30.0
	35.0	50.3	74.0	72.8	74.2	72.7	73.1	53.4	48.5	41.8	33.2			35.0
	40.0		62.3	62.0	61.0	62.6	61.1	49.0	45.3	39.7	33.2	26.6		40.0
	45.0		52.4	53.6	53.6	52.8	51.4	46.1	41.8	37.2	33.2	26.6	22.9	45.0
	50.0			46.1	46.1	45.4	44.1	43.2	38.4	34.9	31.5	26.6	22.9	50.0
	55.0			40.2	40.2	39.5	38.5	39.2	35.4	32.8	29.8	26.6	22.9	55.0
	60.0			35.4	35.4	34.7	35.6	34.4	32.9	30.4	28.1	25.8	22.9	60.0
	65.0				31.5	30.8	31.7	30.6	29.6	28.3	26.6	24.5	22.4	65.0
	70.0				28.2	27.5	28.4	27.3	26.4	26.1	25.1	23.3	21.4	70.0
	75.0				25.6	24.7	25.6	24.5	25.0	24.1	23.1	22.1	20.4	75.0
	80.0					22.4	23.2	22.1	22.7	21.7	21.5	21.1	19.4	80.0
	85.0					20.3	21.1	20.0	20.6	19.7	20.2	19.3	18.5	85.0
	90.0					18.5	19.3	18.2	18.8	18.7	18.4	17.5	17.2	90.0
	95.0						17.7	16.6	17.2	17.3	16.8	15.9	15.7	95.0
	100.0						16.5	15.2	16.1	15.9	15.3	14.4	14.4	100.0
	110.0							13.3	14.1	13.4	12.9	12.0	11.9	110.0
	120.0							12.3	12.1	11.4	10.8	10.0	9.9	120.0
	130.0								10.5	9.7	9.2	8.3	8.3	130.0
	140.0									8.4	7.8	6.9	6.9	140.0
	150.0										6.6	5.7	5.7	150.0
	160.0										5.6	4.7	4.6	160.0
	170.0											3.9	3.7	170.0
	180.0												3.0	180.0
	190.0												2.4	190.0

\*Requires Additional Lifting Equipment

# Load Charts

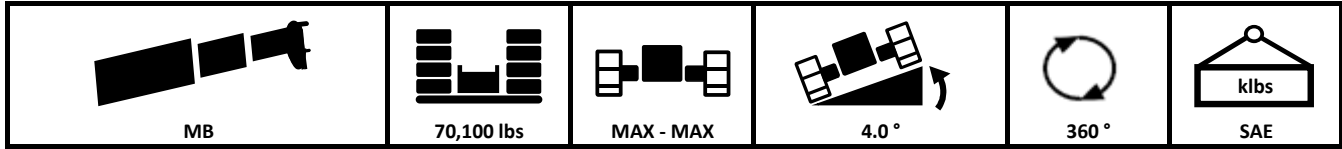
LOADS IN lb x 1000

 <b>MB</b>	 <b>70,100 lbs</b>	 <b>MAX-MAX</b>	 <b>2.5 °</b>	 <b>360 °</b>	 <b>SAE</b>
------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------

 ft	42.8	57.2	71.6	86.1	100.5	114.9	129.3	143.7	158.1	172.6	187.0	200.1	ft
8.0	207.7	200.0	164.8										8.0
10.0	207.7	200.0	164.8	134.7									10.0
12.0	207.7	200.0	164.8	134.7	98.9								12.0
15.0	191.1	184.3	164.8	134.7	92.8	76.7							15.0
20.0	156.0	147.0	138.5	122.8	92.8	71.3	59.6						20.0
25.0	112.1	107.6	103.2	98.4	92.8	68.1	56.0	46.9					25.0
30.0	86.5	83.2	80.3	79.5	76.1	68.1	52.3	44.6	37.9				30.0
35.0	50.3	69.6	65.4	64.7	64.9	62.1	47.6	42.2	36.1	31.2			35.0
40.0		58.1	57.8	56.4	54.6	52.3	44.6	39.9	34.2	30.0	24.9		40.0
45.0		49.6	49.4	48.4	46.8	44.7	42.4	37.5	32.4	28.6	24.9	17.5	45.0
50.0			42.9	42.1	40.7	39.0	39.1	34.8	30.7	27.3	24.4	17.5	50.0
55.0			37.9	37.1	35.8	36.1	34.4	32.5	29.1	26.0	23.4	17.5	55.0
60.0			33.8	32.9	31.7	32.1	30.5	29.2	27.6	24.8	22.4	17.5	60.0
65.0				29.5	28.4	28.8	27.3	26.3	25.7	23.6	21.5	17.5	65.0
70.0				26.7	25.5	26.0	24.5	24.8	23.5	22.3	20.6	17.5	70.0
75.0				25.4	23.1	23.6	22.2	22.5	21.2	21.1	19.7	17.5	75.0
80.0					21.0	21.5	20.1	20.4	19.6	19.6	18.5	17.1	80.0
85.0					19.2	19.7	18.3	18.7	18.6	17.8	16.7	16.2	85.0
90.0					18.2	18.1	16.7	17.1	17.0	16.3	15.2	14.8	90.0
95.0						17.0	15.3	16.3	15.6	14.9	13.9	13.5	95.0
100.0						16.3	14.3	15.3	14.4	13.7	12.6	12.4	100.0
110.0							13.1	13.1	12.2	11.5	10.5	10.3	110.0
120.0							12.0	11.3	10.5	9.8	8.8	8.6	120.0
130.0								9.9	9.0	8.3	7.3	7.2	130.0
140.0									7.8	7.1	6.1	6.0	140.0
150.0										6.0	5.0	4.9	150.0
160.0										5.2	4.2	4.0	160.0
170.0											3.4	3.2	170.0
180.0												2.6	180.0
190.0													190.0

# Load Charts

LOADS IN lb x 1000






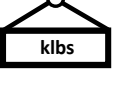




ft	42.8	57.2	71.6	86.1	100.5	114.9	129.3	143.7	158.1	172.6	187.0	200.1	ft	
8.0	207.7	175.4	136.6										8.0	
10.0	207.7	175.4	136.6	100.4									10.0	
12.0	207.7	175.4	136.6	100.4	68.9								12.0	
15.0	191.1	175.4	136.6	100.4	68.9	50.7							15.0	
20.0	142.0	131.0	121.7	100.4	68.9	50.7	43.1						20.0	
25.0	104.4	97.6	91.8	88.6	68.9	50.7	43.1	33.8					25.0	
30.0	82.1	77.0	72.8	71.1	66.9	50.7	43.1	33.8	30.0				30.0	
35.0	50.3	65.3	63.6	59.2	58.2	50.7	43.1	33.8	30.0	24.9			35.0	
40.0		55.2	53.9	52.0	49.6	46.8	42.1	32.5	30.0	24.9	18.3		40.0	
45.0		47.7	46.5	45.0	42.9	40.4	40.2	31.1	29.1	24.9	18.3	11.8	45.0	
50.0			40.8	39.4	37.6	37.5	35.3	29.6	27.9	24.3	18.3	11.8	50.0	
55.0			36.2	34.9	33.2	33.3	31.3	28.0	26.7	23.4	18.3	11.8	55.0	
60.0			32.7	31.2	29.7	29.8	27.9	26.5	25.6	22.6	18.3	11.8	60.0	
65.0				28.2	26.6	26.8	25.1	25.2	23.6	21.7	18.3	11.8	65.0	
70.0				26.3	24.1	24.3	22.6	22.8	21.3	21.0	18.3	11.8	70.0	
75.0				24.7	21.9	22.2	20.5	20.7	19.7	19.5	18.2	11.8	75.0	
80.0					20.0	20.3	18.7	18.9	18.7	17.7	16.5	11.8	80.0	
85.0					18.7	18.6	17.1	17.3	17.1	16.2	15.0	11.8	85.0	
90.0					18.1	17.4	15.7	16.6	15.7	14.9	13.7	11.8	90.0	
95.0						16.8	14.6	15.5	14.5	13.6	12.5	11.8	95.0	
100.0							15.8	14.0	14.3	13.3	12.5	11.4	100.0	
110.0								12.9	12.3	11.4	10.6	9.5	9.2	110.0
120.0								11.6	10.8	9.8	9.0	8.0	7.7	120.0
130.0									9.5	8.5	7.7	6.7	6.4	130.0
140.0										7.4	6.6	5.5	5.3	140.0
150.0											5.6	4.6	4.4	150.0
160.0											4.9	3.8	3.5	160.0
170.0												3.1	2.9	170.0
180.0													2.3	180.0
190.0														190.0



# Load Charts






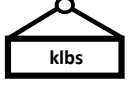

LOADS IN lb x 1000

 <b>MB</b>	 <b>0 lbs</b>	 <b>MAX-MAX</b>	 <b>0.5°</b>	 <b>360°</b>	 <b>klbs</b> <b>SAE</b>
------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------

		ft	42.8	57.2	71.6	86.1	100.5	114.9	129.3	143.7	158.1	172.6	187.0	200.1	ft	
ft		8.0	207.7	200.0	174.2										8.0	
		10.0	207.7	200.0	174.2	145.5										10.0
		12.0	207.7	200.0	174.2	145.5	111.8									12.0
		15.0	164.0	162.1	149.5	135.6	107.2	84.9								15.0
		20.0	90.0	90.1	89.1	88.8	81.8	77.7	66.4							20.0
		25.0	59.6	63.1	64.6	64.4	62.5	60.7	56.0	49.8						25.0
		30.0	43.0	46.3	47.9	49.2	46.8	47.2	43.5	42.4	37.9					30.0
		35.0	32.7	35.6	37.1	38.5	38.4	38.5	36.7	35.4	32.8	29.8				35.0
		40.0		28.3	29.8	31.1	31.1	31.3	31.0	29.4	27.2	25.1	22.6			40.0
		45.0		22.9	24.4	25.7	25.7	25.9	25.6	24.7	22.8	21.0	18.8	17.7		45.0
		50.0			20.3	21.6	21.6	21.8	21.6	21.0	19.3	17.7	15.7	14.8		50.0
		55.0			17.1	18.3	18.4	18.6	18.3	18.0	16.5	15.0	13.1	12.4		55.0
		60.0			14.5	15.7	15.8	16.0	15.7	15.5	14.1	12.7	11.0	10.4		60.0
		65.0				13.6	13.6	13.8	13.6	13.3	12.1	10.8	9.2	8.6		65.0
		70.0				11.8	11.8	12.0	11.8	11.5	10.4	9.2	7.7	7.2		70.0
		75.0				10.3	10.3	10.5	10.2	10.0	9.0	7.8	6.3	5.9		75.0
		80.0					9.0	9.1	8.9	8.7	7.7	6.6	5.2	4.7		80.0
		85.0					7.9	8.0	7.8	7.5	6.6	5.5	4.1	3.7		85.0
		90.0					6.9	7.0	6.7	6.5	5.6	4.6	3.2			90.0
		95.0						6.2	5.9	5.6	4.7	3.7				95.0
100.0						5.4	5.1	4.8	3.9	3.0				100.0		
110.0								3.7	3.5	2.6				110.0		
120.0								2.8	2.4					120.0		
130.0														130.0		
140.0														140.0		
150.0														150.0		
160.0														160.0		
170.0														170.0		
180.0														180.0		
190.0														190.0		







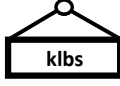
# Load Charts




LOADS IN lb x 1000

 MB		 70,100 lbs		 MIN-MIN		 1.5°		 Side		 SAE				
	ft	42.8	57.2	71.6	86.1	100.5	114.9	129.3	143.7	158.1	172.6	187.0	200.1	ft
8.0														8.0
10.0														10.0
12.0														12.0
15.0														15.0
20.0	90.9													20.0
25.0	66.8	68.3												25.0
30.0	51.8	53.5	53.9											30.0
35.0	42.0	43.3	44.0	44.2	42.3	42.7								35.0
40.0		36.0	36.8	37.6	35.3	35.9	34.3	34.7	31.9	29.8				40.0
45.0		30.4	31.3	32.1	31.5	31.6	29.2	30.2	29.0	27.1	24.8	22.9		45.0
50.0			26.9	27.8	27.5	27.4	26.7	26.5	25.4	23.7	21.5	20.5		50.0
55.0			23.5	24.3	24.1	24.1	23.6	23.2	22.3	20.8	18.8	17.9		55.0
60.0			20.6	21.4	21.2	21.2	20.9	20.4	19.6	18.3	16.5	15.7		60.0
65.0				19.0	18.9	18.9	18.5	18.1	17.3	16.2	14.5	13.8		65.0
70.0				17.0	16.8	16.9	16.5	16.1	15.3	14.4	12.8	12.2		70.0
75.0				15.4	15.1	15.1	14.8	14.4	13.7	12.9	11.3	10.7		75.0
80.0					13.6	13.7	13.3	13.0	12.2	11.4	9.9	9.4		80.0
85.0					12.3	12.3	12.0	11.7	10.9	10.2	8.7	8.2		85.0
90.0					11.3	11.2	10.8	10.5	9.8	9.1	7.6	7.2		90.0
95.0						10.2	9.8	9.5	8.7	8.1	6.7	6.3		95.0
100.0							9.3	8.9	8.6	7.8	7.2	5.8	5.4	100.0
110.0								7.3	7.0	6.3	5.6	4.3	4.0	110.0
120.0								6.1	5.7	5.0	4.3	3.1	2.8	120.0
130.0									4.7	3.9	3.3			130.0
140.0										3.0	2.4			140.0
150.0														150.0
160.0														160.0
170.0														170.0
180.0														180.0
190.0														190.0

# Load Charts

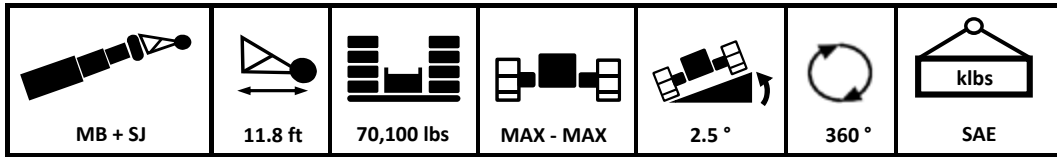
LOADS IN lb x 1000

 MB + SJ	 11.8 ft	 70,100 lbs	 MAX - MAX	 0.5 °	 360 °	 SAE
----------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------

	ft	114.9	114.9	172.5	172.5	187.0	187.0	200.1	200.1	ft
	°	20.0	40.0	20.0	40.0	20.0	40.0	20.0	40.0	°
	15.0									15.0
	20.0	48.9								20.0
	25.0	48.2	39.7							25.0
	30.0	46.5	38.8							30.0
	35.0	44.9	37.9							35.0
	40.0	43.4	37.1	28.9	27.8	23.8				40.0
	45.0	42.1	36.5	28.2	27.8	23.8	23.1	20.7		45.0
	50.0	41.0	35.9	26.8	27.0	23.7	23.1	20.7	20.3	50.0
	55.0	38.4	35.4	25.4	25.5	22.8	22.8	20.5	20.3	55.0
	60.0	33.6	34.0	24.0	24.2	21.8	21.9	19.8	19.8	60.0
	65.0	29.6	30.0	22.7	22.8	20.8	20.9	18.9	19.1	65.0
	70.0	26.3	26.5	21.5	21.6	19.8	19.9	18.1	18.2	70.0
	75.0	23.4	23.7	20.3	20.4	18.8	18.9	17.2	17.4	75.0
	80.0	20.9	21.1	19.2	19.2	17.9	18.0	16.4	16.6	80.0
	85.0	18.8	19.0	18.0	18.1	17.0	17.1	15.6	15.7	85.0
	90.0	16.9	17.0	16.4	16.6	16.1	16.2	14.9	15.0	90.0
	95.0	15.3	15.3	14.7	15.0	15.2	15.4	14.1	14.2	95.0
100.0	13.8		13.3	13.5	13.8	14.0	13.3	13.5	100.0	
105.0	12.5		11.9	12.1	12.5	12.7	12.1	12.3	105.0	
110.0	11.3		10.7	10.9	11.3	11.4	10.9	11.1	110.0	
115.0			9.7	9.8	10.2	10.4	9.9	10.1	115.0	
120.0			8.7	8.8	9.2	9.3	8.9	9.1	120.0	
130.0			6.9	7.0	7.5	7.6	7.2	7.3	130.0	
140.0			5.1	5.2	5.8	5.9	5.8	5.9	140.0	
150.0			3.6		4.3	4.4	4.3	4.3	150.0	
160.0			2.2		3.0		2.9	3.0	160.0	
170.0					1.8		1.8	1.8	170.0	

# Load Charts

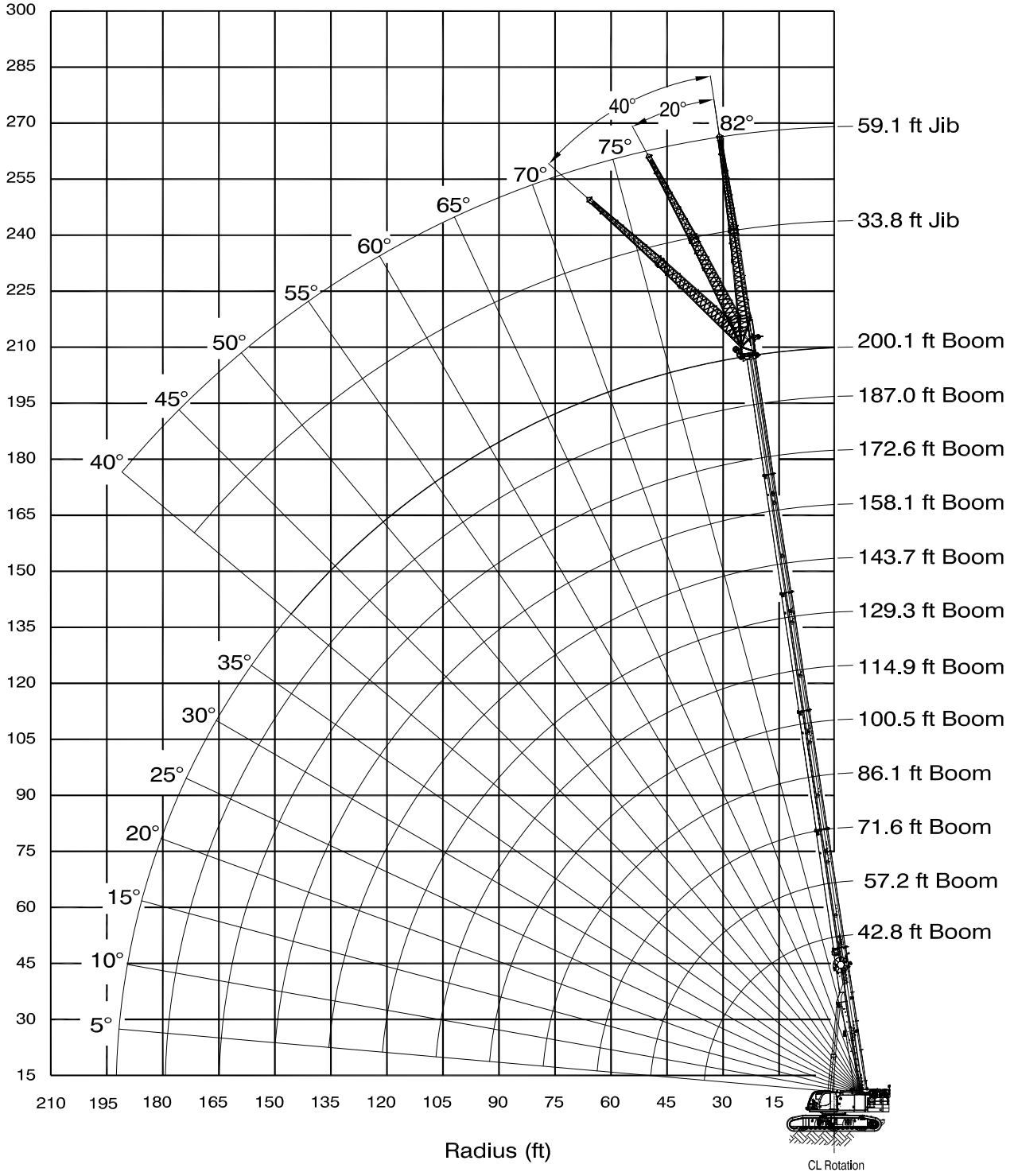
LOADS IN lb x 1000



ft		114.9		172.5		187.0		200.1		ft
°		20.0	40.0	20.0	40.0	20.0	40.0	20.0	40.0	°
15.0										15.0
20.0		43.9								20.0
25.0		43.9	38.9							25.0
30.0		43.9	38.1							30.0
35.0		43.7	37.3							35.0
40.0		42.4	36.6	24.9	25.2	21.2				40.0
45.0		41.2	36.0	23.9	24.1	20.7	20.8	18.2		45.0
50.0		38.5	35.5	22.8	23.0	20.2	20.3	17.8	17.9	50.0
55.0		33.7	34.1	21.8	21.9	19.4	19.6	17.3	17.5	55.0
60.0		29.7	30.1	20.7	20.9	18.6	18.8	16.6	16.8	60.0
65.0		26.4	26.7	19.8	19.9	17.9	18.0	16.0	16.2	65.0
70.0		23.5	23.8	18.8	19.0	17.1	17.3	15.4	15.5	70.0
75.0		21.1	21.3	18.0	18.1	16.4	16.5	14.7	14.9	75.0
80.0		19.0	19.2	17.1	17.2	15.7	15.8	14.2	14.3	80.0
85.0		17.1	17.3	15.7	15.9	15.0	15.1	13.5	13.7	85.0
90.0		15.5	15.6	14.1	14.4	14.3	14.5	13.0	13.1	90.0
95.0		14.0	14.1	12.7	12.9	13.0	13.2	12.4	12.5	95.0
100.0		12.7		11.4	11.6	11.8	12.0	11.2	11.4	100.0
105.0		11.5		10.3	10.5	10.7	10.9	10.1	10.4	105.0
110.0		10.5		9.3	9.4	9.6	9.8	9.1	9.3	110.0
115.0				8.3	8.5	8.7	8.9	8.3	8.4	115.0
120.0				7.5	7.6	7.9	8.0	7.4	7.6	120.0
130.0				5.7	5.8	6.3	6.4	6.0	6.1	130.0
140.0				4.1	4.2	4.7	4.8	4.6	4.7	140.0
150.0				2.8		3.4	3.4	3.2	3.3	150.0
160.0						2.2		2.1	2.1	160.0
170.0										170.0

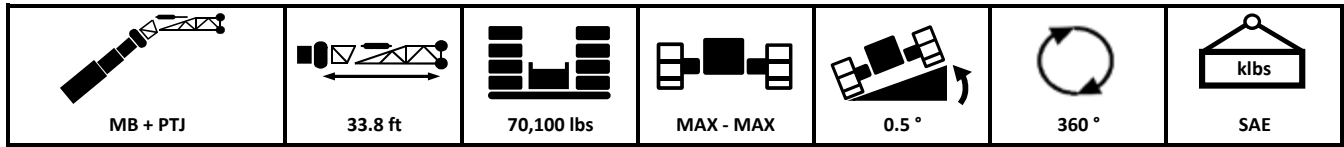
# Bi-fold Jib

Lifting Height (ft)



# Load Charts

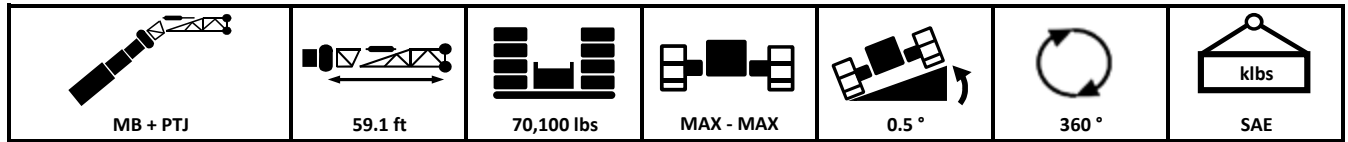
LOADS IN lb x 1000






		114.9			172.6			187.0			200.1			ft
		5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	°
	30.0	31.5	23.5											30.0
	35.0	29.9	22.3											35.0
	40.0	28.5	21.2	16.0	15.9									40.0
	45.0	27.2	20.3	15.6	15.9			13.7						45.0
	50.0	25.6	19.4	15.1	15.9	15.9		13.7			12.3			50.0
	55.0	24.2	18.6	14.7	15.9	15.9		13.7	13.7		12.3			55.0
	60.0	22.9	17.9	14.4	15.9	15.9	14.9	13.7	13.7		12.3	12.3		60.0
	65.0	21.7	17.3	14.1	15.9	15.5	14.7	13.7	13.2	12.8	12.3	12.1		65.0
	70.0	20.7	16.7	13.8	15.7	14.9	14.3	13.3	12.8	12.3	12.2	11.7	11.3	70.0
	75.0	19.7	16.1	13.5	15.1	14.4	13.9	12.9	12.3	11.9	11.7	11.3	10.9	75.0
	80.0	18.8	15.6	13.3	14.5	14.0	13.4	12.4	11.9	11.6	11.3	10.9	10.6	80.0
	85.0	18.1	15.2	13.1	13.9	13.5	13.0	12.0	11.5	11.2	11.0	10.5	10.2	85.0
	90.0	17.4	14.8	12.9	13.4	13.0	12.6	11.6	11.2	10.8	10.6	10.2	9.9	90.0
	95.0	16.7	14.4	12.7	12.9	12.6	12.2	11.2	10.8	10.5	10.2	9.9	9.6	95.0
	100.0	15.5	14.1	12.6	12.3	12.1	11.8	10.9	10.5	10.4	9.9	9.5	9.3	100.0
	105.0	14.2	13.8	12.5	11.8	11.7	11.4	10.5	10.2	10.1	9.6	9.3	9.0	105.0
	110.0	13.0	13.4	12.5	11.3	11.3	11.0	10.2	9.9	9.7	9.3	9.0	8.8	110.0
	115.0	11.9	12.3	12.5	10.8	10.8	10.7	9.9	9.6	9.4	9.0	8.7	8.5	115.0
	120.0	11.0	11.3		10.0	10.4	10.4	9.6	9.4	9.1	8.6	8.5	8.3	120.0
	130.0	9.3	9.5		8.3	8.8	9.2	8.5	8.8	8.7	8.0	8.0	7.9	130.0
140.0	7.9			6.8	7.2	7.6	7.0	7.5	8.0	6.7	7.1	7.4	140.0	
150.0				5.3	5.8	6.2	5.8	6.2	6.6	5.4	5.9	6.3	150.0	
160.0				4.0	4.4	4.7	4.5	5.0	5.3	4.4	4.8	5.1	160.0	
170.0				2.8	3.2		3.4	3.7	4.0	3.2	3.6	4.0	170.0	
180.0				1.8	2.1		2.4	2.6	2.8	2.2	2.6	2.8	180.0	
190.0												1.8	190.0	
200.0													200.0	

# Load Charts

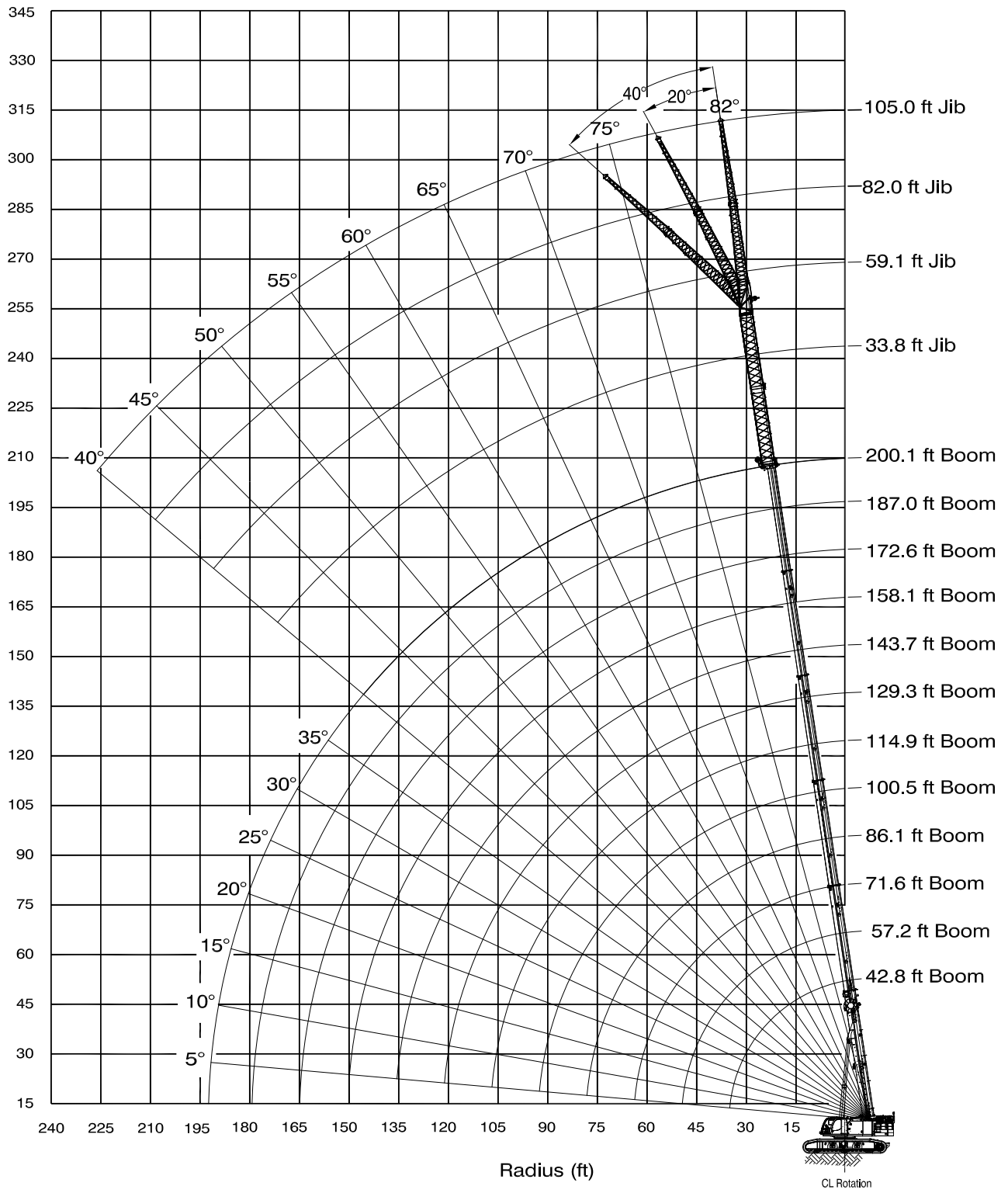
LOADS IN lb x 1000



		114.9			172.6			187.0			200.1			ft
		5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	°
ft		30.0	14.3											30.0
	35.0	14.3												35.0
	40.0	14.3												40.0
	45.0	14.3	11.9											45.0
	50.0	14.2	11.4		10.4									50.0
	55.0	13.6	10.9		10.4			9.0						55.0
	60.0	13.0	10.5	8.3	10.4			9.0			8.3			60.0
	65.0	12.5	10.1	8.1	10.4	9.8		9.0			8.3			65.0
	70.0	11.9	9.8	7.9	10.4	9.5		9.0	9.0		8.3			70.0
	75.0	11.5	9.5	7.8	10.4	9.3		9.0	9.0		8.3			75.0
	80.0	11.1	9.1	7.6	10.4	9.1	7.7	9.0	8.8		8.3	8.3		80.0
	85.0	10.7	8.9	7.5	10.4	8.9	7.6	9.0	8.6		8.3	8.3		85.0
	90.0	10.3	8.6	7.3	10.3	8.7	7.5	9.0	8.4	7.3	8.3	8.2		90.0
	95.0	9.9	8.4	7.2	10.0	8.5	7.3	9.0	8.3	7.2	8.3	8.1	7.1	95.0
	100.0	9.6	8.2	7.1	9.8	8.3	7.2	8.9	8.1	7.1	8.2	7.9	7.0	100.0
	105.0	9.2	8.0	7.1	9.5	8.2	7.1	8.7	7.9	7.0	8.0	7.6	6.9	105.0
	110.0	8.9	7.8	7.0	9.3	8.0	7.0	8.4	7.8	6.9	7.7	7.4	6.8	110.0
	115.0	8.6	7.6	6.9	9.1	7.8	6.9	8.2	7.6	6.8	7.5	7.2	6.7	115.0
	120.0	8.4	7.5	6.9	8.9	7.7	6.8	7.9	7.5	6.7	7.3	7.0	6.6	120.0
	130.0	7.9	7.2	6.7	8.6	7.5	6.7	7.6	7.3	6.5	6.9	6.6	6.4	130.0
140.0	7.5	7.0	6.7	7.3	7.2	6.5	7.1	7.0	6.4	6.5	6.2	6.1	140.0	
150.0	7.1	6.9		6.1	6.8	6.4	6.2	6.6	6.3	5.7	5.9	5.8	150.0	
160.0	6.5	6.7		5.0	5.6	6.3	5.1	5.8	6.2	4.7	5.4	5.5	160.0	
170.0				3.8	4.5	5.0	4.1	4.7	5.3	3.8	4.4	5.0	170.0	
180.0				2.8	3.3	3.8	3.1	3.7	4.3	2.9	3.5	4.1	180.0	
190.0				1.8	2.3	2.6	2.2	2.7	3.1	2.0	2.6	3.1	190.0	
200.0								1.8	2.1			2.1	200.0	

# Jib with Inserts

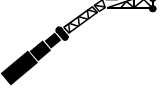





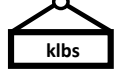
Lifting Height (ft)








# Load Charts


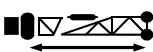





LOADS IN lb x 1000





 MB + 23.0ft INSERT + PTJ	 59.1 ft	 70,100 lbs	 MAX - MAX	 0.5 °	 360 °	 SAE
---------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------

		114.9			172.6			187.0			200.1			ft	
ft														ft	
		5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	°	
ft		30.0												30.0	
		35.0	11.9											35.0	
		40.0	11.9											40.0	
		45.0	11.9											45.0	
		50.0	11.9	9.9										50.0	
		55.0	11.8	9.9										55.0	
		60.0	11.3	9.6		8.6								60.0	
		65.0	10.8	9.1	7.3	8.6			7.5					65.0	
		70.0	10.3	8.7	7.3	8.6			7.5		6.8			70.0	
		75.0	9.7	8.3	7.1	8.6	7.9		7.5		6.8			75.0	
		80.0	9.2	7.9	6.8	8.6	7.9		7.5	7.1	6.8			80.0	
		85.0	8.8	7.6	6.6	8.6	7.8		7.5	7.1	6.8	6.4		85.0	
		90.0	8.3	7.3	6.4	8.5	7.6	6.2	7.5	7.1	6.8	6.4		90.0	
		95.0	7.9	7.0	6.2	8.3	7.4	6.2	7.5	7.1	6.0	6.4		95.0	
		100.0	7.6	6.7	6.0	8.1	7.2	6.2	7.3	6.9	6.0	6.7	6.4	5.7	100.0
		105.0	7.2	6.5	5.8	7.8	7.0	6.2	7.0	6.8	6.0	6.5	6.3	5.7	105.0
		110.0	6.9	6.2	5.6	7.6	6.8	6.0	6.8	6.6	6.0	6.3	6.1	5.7	110.0
		115.0	6.6	6.0	5.4	7.5	6.7	5.9	6.6	6.4	5.9	6.1	5.9	5.7	115.0
		120.0	6.4	5.8	5.3	7.3	6.5	5.8	6.4	6.2	5.8	5.9	5.8	5.7	120.0
		130.0	5.9	5.4	5.0	6.9	6.2	5.5	6.2	5.9	5.6	5.5	5.4	5.3	130.0
		140.0	5.5	5.1	4.8	6.5	5.8	5.3	5.9	5.6	5.4	5.2	5.1	5.0	140.0
	150.0	5.1	4.8	4.6	6.2	5.6	5.1	5.6	5.4	5.2	4.9	4.8	4.7	150.0	
	160.0	4.8	4.6	4.5	5.1	5.3	4.9	5.2	5.1	5.0	4.6	4.5	4.5	160.0	
	170.0	4.5	4.4		4.2	4.8	4.8	4.2	4.9	4.8	3.8	4.3	4.2	170.0	
	180.0	4.3	4.2		3.2	3.8	4.4	3.4	4.0	4.6	3.0	3.6	4.0	180.0	
	190.0				2.2	2.8	3.3	2.5	3.1	3.7	2.3	2.8	3.4	190.0	
	200.0					1.9	2.3		2.2	2.6		2.0	2.5	200.0	
	210.0													210.0	

# Load Charts

LOADS IN lb x 1000

 MB + 45.9ft INSERT + PTJ	 59.1 ft	 70,100 lbs	 MAX - MAX	 0.5 °	 360 °	 SAE
---------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------

		114.9			172.6			187.0			200.1				
ft		ft			ft			ft			ft			ft	
		5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	5.0	20.0	40.0	°	
ft		30.0													30.0
		35.0													35.0
		40.0	9.7												40.0
		45.0	9.7												45.0
		50.0	9.7												50.0
		55.0	9.3	7.9											55.0
		60.0	8.9	7.9											60.0
		65.0	8.5	7.8		7.1									65.0
		70.0	8.1	7.5	6.4	7.1									70.0
		75.0	7.8	7.2	6.3	7.0			6.2						75.0
		80.0	7.4	6.8	6.0	6.8	6.0		6.2			4.6			80.0
		85.0	7.1	6.4	5.8	6.6	6.0		6.1			4.6			85.0
		90.0	6.8	6.1	5.5	6.5	6.0		6.0	5.3		4.6			90.0
		95.0	6.4	5.8	5.2	6.3	5.9	5.3	5.9	5.3		4.6	4.6		95.0
		100.0	6.0	5.5	5.0	6.1	5.7	5.3	5.7	5.3		4.6	4.6		100.0
		105.0	5.7	5.2	4.8	6.0	5.6	5.3	5.6	5.3	4.9	4.6	4.6		105.0
		110.0	5.4	5.0	4.6	5.8	5.4	5.1	5.5	5.2	4.9	4.6	4.6	4.6	110.0
		115.0	5.2	4.8	4.4	5.6	5.2	4.9	5.3	5.0	4.9	4.6	4.6	4.6	115.0
		120.0	4.9	4.5	4.2	5.4	5.1	4.8	5.1	4.9	4.8	4.6	4.6	4.6	120.0
		130.0	4.4	4.1	3.9	5.1	4.8	4.5	4.8	4.7	4.5	4.4	4.4	4.4	130.0
		140.0	4.0	3.8	3.6	4.8	4.5	4.2	4.5	4.4	4.3	4.1	4.1	4.2	140.0
	150.0	3.7	3.5	3.4	4.5	4.3	4.0	4.3	4.2	4.1	3.8	3.8	3.9	150.0	
	160.0	3.4	3.2	3.1	4.3	4.0	3.7	4.0	4.0	3.8	3.5	3.6	3.6	160.0	
	170.0	3.1	3.0	2.9	4.0	3.7	3.5	3.8	3.7	3.6	3.3	3.3	3.4	170.0	
	180.0	2.9	2.8	2.8	3.2	3.5	3.4	3.2	3.5	3.5	2.8	3.1	3.2	180.0	
	190.0	2.6	2.6		2.3	3.0	3.2	2.5	3.0	3.3	2.1	2.7	3.0	190.0	
	200.0	2.4	2.4			2.1	2.5		2.2	2.8		2.0	2.5	200.0	
	210.0	2.2								1.9				210.0	

# Disclaimers

PLEASE READ, UNDERSTAND, AND FOLLOW THE MANUALS FURNISHED WITH THE CRANE AS WELL AS THE CAPACITY LIMITATIONS AND GENERAL CONDITIONS LISTED BELOW PRIOR TO OPERATION OF THE CRANE. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH.

Performance of this TADANO crane as manufactured by Tadano Mantis Corporation applies only to machines as originally equipped by manufacturer and in a properly maintained condition. Capacities given are maximum covered by the manufacturer's warranty and are based on a freely suspended load with NO allowance for factors as out-of-level operation (beyond the limits specified on the charts), supporting surface conditions, hazardous surroundings, experience of personnel, etc. The operator shall establish practical working loads based on prevailing operating conditions, such as, but not limited to the above.

The crane meets the requirements of ASME B30.5. Structure and Stability have been tested in accordance with SAE J1063 and SAE J765, respectively.

Maximum admissible wind velocity for working with telescopic boom is 20 mph. Consult TADANO for ratings at higher wind speeds.

Side pull on boom is extremely dangerous and must be avoided.

DO NOT exceed manufacturer's maximum specified reeving. Boom angle/boom length relationships given are an approximation of the resulted load radius, which should be an accurate measurement. Boom height dimensions are measured from ground to center of lower boom head sheave.

It is permissible to travel with loads within the rated capacity of the crane. Travel speeds should be greatly reduced to reflect terrain limitations and minimize dynamic loads applied to the crane structure.

Lifting capacities are shown in lbs x 1000.

The weight of load handling devices such as hook blocks, slings, etc., must be considered as part of the load and must be deducted from the lifting capacities.

The lifting capacities for the telescopic boom apply to a crane with no jibs or other optional equipment stowed or mounted on the crane.

The working radius is the horizontal distance from the center of rotation to the center of the freely suspended, non-oscillating load.

Lifting capacities are for reference only. Load charts supplied with the crane should be used for lift planning.

The above remarks are for basic information only and the operator's manual must be consulted before operating this crane. All data and performances refer to the standard crane. The addition of optional and other equipment may affect the performance of the crane.

Load moment indicating and anti-two block systems are operator aids and must never be used in lieu of job site lift planning calculations by the operator which must take into account ground conditions, weather and all other environmental factors prevailing at the time of the lift. Specifications are subject to change at any time without prior notice and are for factory installation at the time of original manufacture. Illustrations and photographs may show optional equipment. Supersedes all previous issues.

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› TO LEARN MORE ABOUT THE COMPETITIVE ADVANTAGES TADANO'S  
GTC-1600 CAN BRING TO YOUR LIFTING WORK,  
CALL **281-869-0030** OR VISIT **WWW.TADANOAMERICAS.COM**

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**TADANO AMERICA CORPORATION**

4242 West Greens Road

Houston, TX 77066

Tel: 281-869-0030 Fax: 281-869-0040

[www.tadanoamericas.com](http://www.tadanoamericas.com)

Email: [tac.sales@tadano.com](mailto:tac.sales@tadano.com)

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