

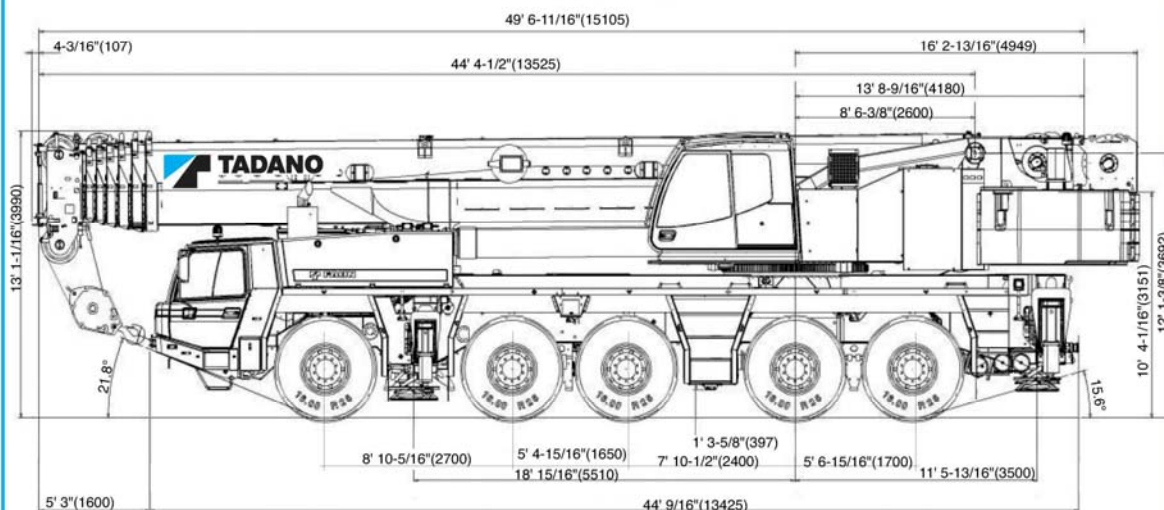


ATF220G-5

250 Ton Capacity (223.2 Metric Tons)

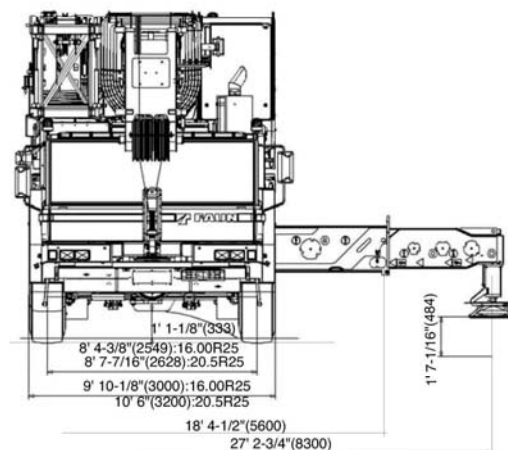
ALL TERRAIN CRANE

DIMENSIONS



TURNING RADIUS

Steering	All wheel (10x8)
Carrier inside	17' 4-11/16" (5.30m)
Over carrier	35' 9-1/8" (10.90m)
Over boom	38' 11/16" (11.60m)
Over boom extension	40' 4-1/4" (12.30m)



Specifications are subject to change without notice.

1. CRANE CARRIER

1.1 FRAME

FAUN purpose built, 5 axle, box type, torsion resistant, welded construction made of high tensile steel with integrated outrigger housings. Equipped with front and rear fenders, front and rear towing and tie-down lugs and access ladders.

1.2 OUTRIGGERS

Four point, fully hydraulic, horizontal and vertical motions controlled by electro-magnetic valves. Push button controls with level gauges from both sides of the carrier and from superstructure cab. Vertical cylinders with integral holding valves. Large sized floats can be stored on vertical cylinders or on carrier for road travel.
Outrigger base: length 29' 6-3/4" (9.01m), width 27' 2-3/4" (8.30m)
Mid. extension 18' 4-1/4" (5.60m)
Outrigger floats : 1' 11-5/8" (600mm) x 1' 11-5/8" (600mm)

1.3 CARRIER ENGINE

Mercedes Benz 8 cylinder water cooled diesel engine, model OM 502 LA (Euromoto 3/ EPA 3), with hydrostatically driven fan and thermostatically controlled cooler.
Displacement 972 in³ (15,928 cc), Rating 517 HP (380 KW) at 1,800 rpm
Torque 1,770 ft-lbf (2,400 Nm) at 1,300 rpm.

1.4 TRANSMISSION

ZF AS-Tronic 16AS2602 mechanical transmission with integrated interarder.
Fully automatic gear control. 16 forward gears and 2 reverse gears.
Gear ratios: Forward: 14.12 / 11.68 / 9.54 / 7.89 / 6.52 / 5.39 / 4.57
3.78 / 3.09 / 2.56 / 2.09 / 1.73 / 1.43 / 1.18 / 1.00 / 0.83
Reverse: 13.07 / 10.81

1.5 TRANSFER CASE

Two stage transfer case, type VG3750, is flange mounted to 4th axle.
Reduction ratios: on road 0.8/ off road 1.836

1.6 DRIVE

10x8: for on road: 1st, 2nd, 4th and 5th axles are driven
for off road: Inter-axle and inter-wheel differentials locked.
10x6 (OPTIONAL) : 2nd, 4th and 5th axles are driven

1.7 AXLES

1st axle : steered, driven with Inter-wheel lock
reduction : 8.47
steered, non driven (OPTION)
2nd axle steered, driven with inter-wheel lock
reduction : 8.47
3rd axle : Non driven, non steered, can be lifted for diagonal steering
4th axle : steered, driven with inter-wheel lock
reduction : 8.47
with lockable inter-axle differential
5th axle : steered, driven with inter-wheel lock
reduction : 8.47
All steering knuckle bearings designed for minimum maintenance (yearly inspection).

1.8 SUSPENSION

Hydro-pneumatic, lockable with level adjustment. All axles have longitudinal and transverse trailing arms. With leveling adjustment and locked cylinders, the chassis can be tilted laterally and longitudinally from the control panel in the carrier cab or from the outrigger control boxes, which adjust the stroke of each individual suspension cylinder.
Cylinder stroke: +6-1/4" (+158mm) , -4-1/2" (-118mm)

1.9 BRAKE SYSTEM

Service : Dual circuit compressed air system with air-dryer
Parking : Spring loaded type, acting on 2nd, 4th and 5th axles.
Auxiliary : Interarder, engine exhaust brake and constant throttle engine brake system.

1.10 WHEELS

(10) 11.00-25 steel disc wheels with 16.00R25 (445/95R25) on / off-road profile tires and mud flaps.

1.11 STEERING SYSTEM

ZF Servocom dual circuit hydraulic steering. Mechanical steering of front two axles with hydraulic booster.
An emergency steering pump is flange mounted to the transfer case.
In on road mode at speeds up to 15.5 mph (25 km/h), 4th and 5th axles are steered electronically along with the front two axles. When exceeding 15.5 mph (25 km/h), 4th axle is locked in centered position. When exceeding 31.1 mph (50 km/h), 5th axle is locked in centered position.
In off road mode, four steering modes are available in 1st, 2nd and 3rd gear with 3rd axle lifted; 8 wheel coordinated, 8 wheel crab, manual steering of the rear two axles and automatic steering of the rear two axles.

1.12 POWER TRAIN

Drive shafts with cross geared flanges designed for minimum maintenance. Centralized lubrication system.

1.13 FUEL TANK CAPACITY

140 gal (530 l) capacity with One-Key System, lockable fuel cap.

1.14 CARRIER CAB

Two man full width cab of composite structure (steel sheet metal and fiber glass), windshield of laminated safety glass with windshield wiper and washer, sliding side windows of hardened glass. Driver and co-driver seats adjustable and air-suspended with integrated 3 point safety belts and headrests. 2 rear-view mirrors (electrically adjustable), 1 wide angle mirror and additional curb mirror, all mirrors heated. Radio with CD player and connections for wireless. Engine dependent warm-water heater with defroster nozzles for windshield and cab floor.
Instrumentation includes speedometer, odometer, tachograph, rpm counter with hour meter, fuel level gauge, warning light for engine temperature, CMV color display for further warning signals and operating functions, malfunction and diagnosis via the transmission display.
Control panel for electronic rear axle steering.
Air conditioning (OPTIONAL)

1.15 ELECTRICAL SYSTEM

24 volt DC system with 100 ampere 3-phase generator, and two 12 volt 170 Ah batteries.
Front lighting includes 2 low beam head lights, 2 high beam head lights, 2 directional indicators, 2 fog lights.
Rear lighting includes 2 rear combination panels each with directional indicator, brake light, fog light, reversing light and license plate light.
Side lighting includes 2 front directional indicators and reflectors on carrier.
Other equipment includes hazard warning lights, cab light, instrument panel light, signal horn and amber rotating beacon on cab roof and 4 working lights for outrigger extension area.
Lighting according to EEC regulations.

1.16 TOOLS AND ACCESSORIES

Special tool set, hazard warning light, hazard warning triangle, fire extinguisher and first aid kit.

1.17 PAINTING

Standard TADANO colors

2. SUPERSTRUCTURE

1.18 DIMENSIONS

Overall width : 9' 10-1/8" (3.00m) with 16.00R25 tires
10' 6" (3.20m) with 20.5R25 tires (OPTIONAL)
Overall height : 13' 1-1/16" (3.99m) with 16.00/20.5R25 tires
in travel condition. The overall height can be
adjusted by +6-1/4" (+158mm), -4-1/2" (-118mm).
Overall length : 49' 6-11/16" (15.105m)
Carrier length : 44' 9/16" (13.425m)
Wheel base : 8'10-1/4" + 5'4-15/16" + 8'1/16" + 5'6-15/16"
(2.7m + 1.65m + 2.44m + 1.7m)
Track: 8' 4-3/8" (2.549m) with 16.00R25 tires
8' 7-7/16" (2.628m) with 20.5R25 tires (OPTIONAL)

1.19 TRAVEL PERFORMANCE (according to DIN 70020)

Max. travel speed : 52.8 mph (85 km/h)
Min. travel speed at 800 rpm : 0.6 mph with the clutch closed
Max. gradeability : 61 %

Tires 16.00/20.5R25, Total GVW 132,275 lbs				
Gear	Travel speeds (mph) * max. engine revs		Gradeability (%)	
	off-road	on-road	off-road	on-road
1st	1.9	3.7	61	47
2nd	1.9	4.3	47	39
3rd	2.5	5.0	37	31
4th	2.5	6.2	30	25
5th	3.1	7.5	24	20
6th	4.3	9.3	19	16
7th	5.0	11.2	16	14
8th	5.6	13.0	13	11
9th	6.8	16.2	11	9
10th	8.7	19.3	8	7
11th	10.6	23.6	7	6
12th	12.4	28.6	5	4
13th	14.9	34.8	4	3
14th	18.6	42.3	3	3
15th	21.7	49.7	3	2
16th	26.0	52.8	2	1
1st reverse	1.9	3.7	55	45
2nd reverse	1.9	4.3	43	36

The gradeability is based on theoretical values and depends on ground conditions and the coefficient of friction.

1.20 CARRIER OPTIONAL EQUIPMENT

- 10 x6 drive (10x8 drive Std.)
- Eddy-current retarder brake
- ABS
- 14.00R25 on/off road profile tires-overall width 9' 10-1/8" (3.00m)
- 20.5R25 on/off road profile tires-overall width 10' 6" (3.20m)
- Spare wheel
- Towing coupling (D value 190 kN) with light and brake connection
- Air and electrical lines to rear bumper with quick connectors for boom dolly
- Free swing and boom elevation circuits for boom dolly
- Rear tool box
- Spark arrester
- Charging plug box for remote engine starting
- Additional hot water heater with engine pre-heat and window defroster (Webasto Thermo 90S)
- Additional hot air cab heater (Webasto Airtop 3500)
- Air conditioning
- Reversing video camera (image in CMV display)

2.1 SUPERSTRUCTURE FRAME

Torsion resistant, all welded structure of high tensile steel.
Connected to carrier by single race ball bearing slewing ring with external gearing providing 360° continuous rotation.
Central lubrication system for ball bearing slewing ring, boom elevation cylinder, boom pivot and winch.

2.2 CRANE ENGINE

Mercedes Benz 6 cylinder water cooled diesel engine, model OM 906 LA(EUROMOT 3A/EPA 3) with stepless control of engine rpm by foot pedal.
Displacement 389 in³(6,370cc) , Rating 188 hp at 1,800 rpm
Torque 553 ft-lbf(750 Nm) at 1,200-1,600 rpm
Fuel tank capacity : 66.0 gal(250 l)

2.3 HYDRAULIC SYSTEM

Three circuit diesel hydraulic system with 1 double axial piston variable displacement pump(hydraulically controlled) with cumulative control for telescoping, derricking and hoisting. 1 axial piston pump for slewing and 1 gear pump for pilot control.

2.4 HYDRAULIC CONTROLS

Two joy stick levers with 4 three-way electrically operated valves for independent simultaneous operation of all crane motions with infinite speed control.

2.5 TELESCOPIC BOOM

Seven section box type construction of high tensile steel, consisting of 1 base section and 6 telescopic sections.
The boom is extended by means of 1 double acting single stage hydraulic cylinder.

All boom telescope sections can be extended and retracted fully automatically and locked in the selected working position.

All telescope sections are extendable under partial load.

Total retracted length : 43' 7-5/8" (13.30m)

Total extended length : 223' 1-3/16" (68.0m)

Max. sheave height : 229' 7-7/8" (70.0m)

Telescoping speed out : 430 sec.

2.6 BOOM EXTENSION

17.7 ft (5.4m) - 43.3 ft (13.2m) double folding swing around lattice type boom extension offsetable at 0°/20°/40°.

4 intermediate section (19.7ft each), increase the boom extension length to 122.0ft (37.2m).

Equipped with anti-two block system.

2.7 AUXILIARY LIFTING SHEAVE (SINGLE TOP) - OPTIONAL

Single sheave mounted to main boom head for single line operation (stowable). Equipped with anti-two block system .

2.8 BOOM HOIST

1 double acting hydraulic cylinder with integral holding valve.

Boom elevation : -1.5° to +84°

Boom elevation speed : 95 sec. normal speed

50 sec. high speed (only derricking up)

2.9 MAIN WINCH

Axial piston constant displacement motor, grooved hoist drum with integral planetary gear, automatic hydraulically controlled spring loaded multiple disc brake and integral free wheeling (no sagging of load by hoisting). Winch drive assembly connected to open hydraulic system. Wire rope with "Superstop" easy reeving. Lower limit switch and drum turn indicator.

Drum diameter :	17.87" (450 mm)
Rope diameter :	0.83" (21 mm)
Rope length :	1,148.5' (350 m)
Max. line pull :	24,504 lbf (109 kN)
Max. line speed 4th layer :	420 ft/min (128m/min)

2.10 AUXILIARY WINCH - OPTIONAL

Axial piston constant displacement motor, grooved hoist drum with integral planetary gear, automatic hydraulically controlled spring loaded multiple disc brake and integral free wheeling (no sagging of load by hoisting). Winch drive assembly connected to open hydraulic system. Wire rope with "Superstop" easy reeving. Lower limit switch and drum turn indicator.

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2.11 SLEWING GEAR

Constant displacement motor with three stage planetary gear, foot actuated service brake and a parking brake. Slewing speed infinitely variable: 0 - 1.8 rpm

2.12 COUNTERWEIGHT

Total 156,525 lb divisible counterweight, assembled and disassembled by hydraulic cylinders controlled from crane cab. Tail swing : 16.34' (4.98m)

2.13 SUPERSTRUCTURE CAB

Spacious and ergonomic panoramic cab with sliding door and extra large tinted glass windows, electrically controlled fold out front window with windshield washer and wiper, fixed cab roof window with armoured glass and fold out rear cab window, sun visor, cab light, 20° tiltable cockpit, adjustable hydraulically cushioned seat with headrest, signal horn, radio with CD player, and connection for wireless (12 volt). Engine independent hot water heater with defroster nozzles for windshield and cab floor (Webasto Thermo 90S). Ergonomically positioned control elements and instrumentation for crane operation including fuel level gauge, engine cooling temperature, hour meter and combined engine warning lamp. Outrigger and chassis engine functions control from superstructure cab. One-key system for the both carrier and crane cabs. Air conditioning (OPTIONAL)

2.14 ELECTRICAL SYSTEM

24 volt system with 30 A 3-phase alternator, 2 batteries each 12 V and 110 Ah, 1 rotating beacon on left hand side of main winch, 2 working lights on cab front flap, 1 working light on base boom section and 2 side lights on boom head.

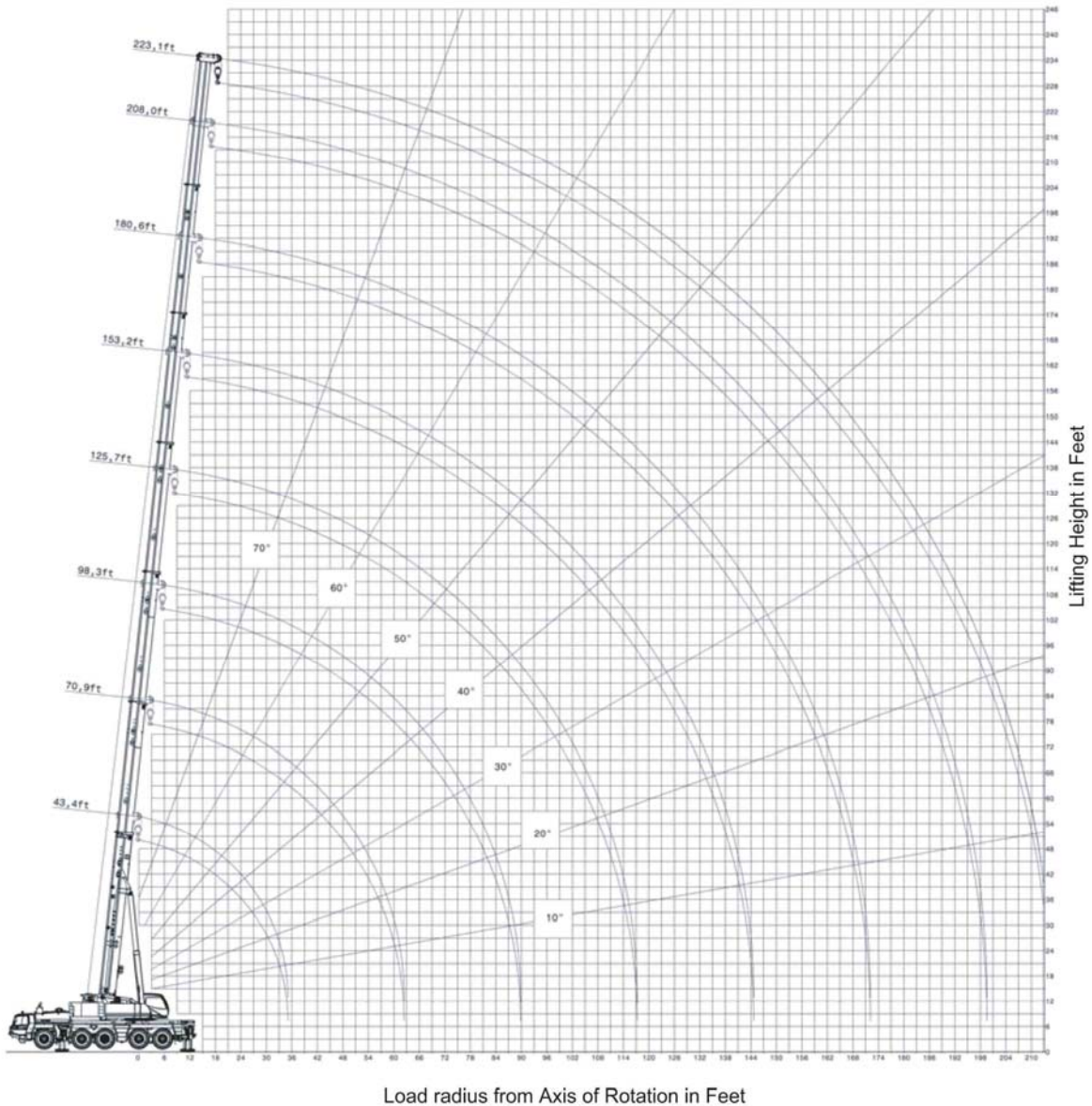
2.15 SAFETY DEVICES

Electronic load moment device (AML) with interpolation and automatic overload shut off, hoist limit switch with shut off, overload warning and load moment indicator. Digital display of boom angle, boom length, sheave height, working radius, hook load and further information. Working area limitation for boom angle, sheave height and working radius with automatic shut off. Lift Adjuster function, Anti-two block system, anemometer on the main boom head or on the jib head. Safety valves against pipe and hose rupture, holding valves on hydraulic cylinders.

2.16 SUPERSTRUCTURE OPTIONAL EQUIPMENT

1. 11 ton headache ball
2. 27.6 ton single sheave hook block
3. 69.5 ton three sheave hook block
4. 88.2 ton five sheave hook block
5. 137.8 ton seven sheave hook block
6. 176.3 ton nine sheave hook block
7. Additional boom sheaves for more than 120 ton lift
8. Auxiliary winch with 0.83" (21mm) cable
9. Auxiliary lifting sheave (Single Top)
10. Additional hydraulic oil cooler
11. Spark arrester
12. 33' (10m) cable for battery recharge and remote start connections
13. 360° positive swing lock for NYC
14. Lockable tool box behind crane cab
15. Aircraft warning light
16. Two electrically movable working lights on base boom (Not in combination with Boom Dolly)
17. Outrigger load display
18. Electric fan
19. Air conditioning
20. Boom dismounting device

ATF220G-5 WORKING RANGE CHART



NOTE: Boom and 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.

Counterweight 156,527 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom											
On outriggers, 360° working area											
Outrigger base 27.23 ft											
Working Radius (ft)	Boom length (ft)										Working Radius (ft)
	139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0	
8											8
9											9
10											10
12											12
14											14
16											16
18											18
20	82	95.9	82	82.9	82	69.4	82	56.2			20
25	79	95.9	79	82.9	79	69.4	79	56.2	80	76.1	25
30	78	95.0	78	82.9	78	69.3	78	55.1	79	76.1	30
35	76	88.3	76	82.9	76	66.4	76	52.5	77	75.5	35
40	74	82.4	74	82.5	74	62.3	74	49.1	76	71.3	40
45	71	78.4	71	79.1	71	59.5	71	45.3	73	67.0	45
50	69	73.0	69	74.1	69	56.2	69	41.9	72	64.1	50
55	67	67.6	67	68.8	67	52.9	67	39.0	70	61.1	55
60	65	62.7	65	63.8	65	50.0	65	36.4	68	57.6	60
65	62	58.3	62	59.6	62	47.5	62	34.0	66	54.4	65
70	60	54.5	60	55.8	60	45.1	60	32.0	64	51.7	70
75	58	51.1	58	52.4	58	43.0	58	30.1	62	48.9	75
80	55	47.8	55	49.3	55	41.2	55	28.5	59	46.1	80
85	52	44.1	52	46.3	52	39.6	52	27.0	57	43.8	85
90	49	40.2	49	42.4	49	38.0	49	25.6	55	41.4	90
95	46	36.8	46	38.9	46	36.6	46	24.4	52	38.5	95
100	43	33.7	43	35.7	43	35.3	43	23.3	49	35.3	100
110	36	28.2	36	30.3	36	33.0	36	21.4	44	29.9	110
120	27	23.7	27	25.9	27	29.1	27	19.8	38	25.5	120
130									29	21.6	130
140									16	18.4	140
150											150
160											160
170											170
180											180
190											190
200											200
210											210
Telescoping sequence %											
Tel. 1	92		92		46	0	92		46	0	Tel. 1
Tel. 2	92		46		46	0	92		46	0	Tel. 2
Tel. 3	46		46		46	46	92		92	46	Tel. 3
Tel. 4	46		46		46	92	46		92	46	Tel. 4
Tel. 5	46		46		46	92	46		92	46	Tel. 5
Tel. 6	0		46		92	92	46		92	46	Tel. 6

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom													
On outriggers, 360° working area													
Outrigger base 27.23 ft													
Working Radius (ft)	Boom length (ft)										Working Radius (ft)		
	180.4	180.4	180.4	194.2	194.2	208.0	223.1						
8											8		
9											9		
10											10		
12											12		
14											14		
16											16		
18											18		
20											20		
25											25		
30	81	50.7	81	42.3	81	37.3					30		
35	79	50.7	79	42.3	79	37.3	80	41.4	80	33.1	35		
40	79	50.7	79	42.3	79	37.3	79	41.4	79	33.1	40		
45	77	50.3	77	42.3	77	37.3	77	41.4	77	33.1	45		
50	76	48.9	76	42.3	76	37.3	76	41.4	76	33.1	50		
55	74	46.9	74	41.8	74	37.3	75	41.0	75	33.1	55		
60	73	44.6	73	40.6	73	36.9	74	40.0	74	33.1	60		
65	71	42.4	71	38.4	71	35.1	72	38.1	72	33.1	65		
70	69	40.2	69	36.5	69	33.2	71	36.4	71	32.9	70		
75	67	38.2	67	34.7	67	31.5	69	34.8	69	32.0	75		
80	66	36.4	66	32.9	66	29.9	68	33.2	68	30.5	80		
85	64	34.7	64	31.4	64	28.5	66	31.8	66	29.2	85		
90	62	33.2	62	29.9	62	27.2	65	30.5	65	27.8	90		
95	60	31.8	60	28.5	60	25.9	63	29.1	63	26.7	95		
100	59	30.4	59	27.2	59	24.8	62	27.8	62	25.6	100		
110	55	27.9	55	25.0	55	22.8	58	25.7	58	23.5	110		
120	50	25.0	50	22.8	50	20.6	54	23.7	54	21.7	120		
130	46	22.2	46	20.8	46	18.5	50	21.1	50	20.0	130		
140	40	19.2	40	18.8	40	16.8	46	18.9	46	18.1	140		
150	34	16.5	34	17.1	34	15.1	41	16.7	41	16.7	150		
160	26	14.3	26	15.8	26	13.9	35	14.9	35	15.3	160		
170							29	12.9	29	14.0	170		
180							19	11.2	19	12.9	180		
190										23	10.4	190	
200											28	8.6	200
210											18	7.7	210
Telescoping sequence %													
Tel. 1	92		46		0	92		46	92	100	Tel. 1		
Tel. 2	92		92		92	92		92	92	100	Tel. 2		
Tel. 3	92		92		92	92		92	92	100	Tel. 3		
Tel. 4	92		92		92	92		92	92	100	Tel. 4		
Tel. 5	46		92		92	92		92	92	100	Tel. 5		
Tel. 6	46		46		92	46		92	92	100	Tel. 6		

Counterweight 103,616 lbs

Working Radius (ft)	Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																		Working Radius (ft)			
	On outriggers, 360° working area																					
	Outrigger base 27.23 ft																					
	Boom length (ft)																					
	43.3 57.1 57.1 70.9 70.9 70.9 84.6 84.6 84.6 84.6																					
	1)																					
8																			8			
9																			9			
10	70	394.6*	381.0*	75	308.6*	75	134.7	79	308.6*	79	140.3	79	100.4	81	251.3*	81	227.1	81	142.7	81	103.5	10
12	67	362.9*	336.0*	73	308.6*	73	126.1	77	308.6*	77	132.6	77	93.1	80	247.5*	80	227.1	80	135.9	80	96.8	12
14	64	319.5*	299.4*	71	296.9*	71	118.9	75	295.7*	75	125.8	75	86.7	78	233.3	78	227.1	78	129.6	78	91.0	14
16	61	278.8*	269.2*	68	269.2*	68	112.2	73	266.9*	73	119.6	73	81.1	77	221.0	77	227.1	77	123.9	77	85.7	16
18	58	248.6*	244.7*	67	244.7*	67	106.5	72	242.5*	72	114.3	72	76.4	76	208.3	76	225.5	76	118.9	76	81.2	18
20	54	221.6	221.6	65	221.5	65	101.1	70	219.4	70	109.3	70	71.9	74	195.6	74	220.5	74	114.2	74	77.0	20
25	45	174.7	174.7	59	173.8	59	90.4	65	172.0	65	98.8	65	63.0	71	167.8	71	173.3	71	104.1	71	68.4	25
30	33	142.1	142.1	52	141.2	52	82.0	61	139.4	61	90.4	61	55.9	67	137.9	67	140.7	67	95.9	67	61.4	30
35				45	118.4	45	75.2	56	116.5	56	83.0	56	50.5	63	115.1	63	117.8	63	88.9	63	55.5	35
40				36	100.8	36	70.1	50	97.8	50	76.0	50	45.8	59	95.7	59	99.6	59	81.6	59	50.4	40
45				24	86.8	24	66.2	44	80.0	44	69.9	44	42.1	55	78.0	55	81.8	55	74.9	55	46.2	45
50								37	69.7	37	64.8	37	39.1	50	67.6	50	71.2	50	69.3	50	42.7	50
55								29	61.0	29	60.6	29	36.6	45	58.8	45	62.3	45	64.4	45	39.7	55
60								19	52.1	19	57.1	19	34.4	40	50.3	40	53.6	40	60.0	40	37.0	60
65														34	43.6	34	46.7	34	55.3	34	34.7	65
70														25	38.1	25	41.1	25	50.0	25	32.9	70
75																						75
80																						80
85																						85
90																						90
95																						95
100																						100
110																						110
120																						120
130																						130
140																						140
150																						150
160																						160
170																						170
180																						180
190																						190
200																						200
210																						210
Telescoping sequence %																						
Tel. 1	0	0	0	46	0	0	0	92	46	0	0	0	0	Tel. 1								
Tel. 2	0	46	0	46	0	0	0	46	46	0	0	0	0	Tel. 2								
Tel. 3	0	0	0	0	0	0	0	0	46	0	0	0	0	Tel. 3								
Tel. 4	0	0	0	0	0	0	0	0	0	46	0	46	0	Tel. 4								
Tel. 5	0	0	0	0	46	0	46	0	0	0	46	46	0	Tel. 5								
Tel. 6	0	0	46	0	46	92	0	0	0	46	92	0	0	Tel. 6								

1) Over rear with superstructure pin engaged.

* With additional equipment.

Working Radius (ft)	Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																	Working Radius (ft)
	On outriggers, 360° working area																	
	Outrigger base 27.23 ft																	
	Boom length (ft)																	
	98.4 98.4 98.4 98.4 111.9 111.9 111.9 111.9 125.7 125.7 125.7																	
	°		°		°		°		°		°		°		°		°	
8																	8	
9																	9	
10																	10	
12	82	199.5	82	170.9	82	137.4	82	87.8									12	
14	80	199.5	80	170.9	80	131.7	80	83.1									14	
16	79	193.7	79	170.9	79	126.5	79	78.7	80	154.3	80	127.9	80	112.4	80	75.0	16	
18	78	184.1	78	170.9	78	121.8	78	74.4	80	154.3	80	127.9	80	112.4	80	72.6	18	
20	77	174.4	77	170.9	77	117.3	77	70.2	79	153.5	79	127.9	79	112.4	79	70.3	20	
25	74	151.7	74	167.3	74	107.8	74	61.3	76	139.1	76	127.9	76	110.1	76	63.4	25	
30	71	133.7	71	142.3	71	99.7	71	54.1	74	123.3	74	127.9	74	103.2	74	57.2	30	
35	68	116.2	68	119.3	68	93.1	68	48.5	71	110.2	71	120.1	71	96.6	71	51.8	35	
40	65	97.4	65	101.4	65	87.2	65	43.8	68	97.2	68	102.1	68	91.1	68	47.4	40	
45	61	79.6	61	83.8	61	81.3	61	40.2	65	81.6	65	86.3	65	86.2	65	43.5	45	
50	57	66.4	57	72.5	57	74.9	57	37.0	63	68.7	63	73.2	63	76.4	63	40.2	50	
55	53	55.9	53	63.4	53	68.4	53	34.2	59	44.6	59	62.5	59	66.4	59	37.3	55	
60	49	47.5	49	55.2	49	62.0	49	31.8	56	49.9	56	53.8	56	57.8	56	34.9	60	
65	45	40.9	45	48.4	45	55.1	45	29.6	52	43.2	52	47.1	52	50.9	52	32.7	65	
70	41	35.7	41	42.8	41	49.4	41	27.8	49	39.2	49	42.8	49	45.3	49	30.8	70	
75	36	31.7	36	38.0	36	44.5	36	26.3	45	35.7	45	39.1	45	41.3	45	29.1	75	
80	29	28.6	29	33.9	29	40.3	29	24.8	41	32.1	41	35.7	41	38.3	41	27.7	80	
85	21	26.0	21	30.2	21	36.6	21	23.7	37	28.2	37	32.2	37	35.4	37	26.3	85	
90									32	25.2	32	29.1	32	32.4	32	25.1	90	
95									26	22.2	26	26.2	26	29.7	26	24.2	95	
100									19	19.4	19	23.4	19	27.2	19	23.3	100	
110																23	110	
120																17.4	120	
130																23	130	
140																21.3	140	
150																	150	
160																	160	
170																	170	
180																	180	
190																	190	
200																	200	
210																	210	
Telescoping sequence %																		
Tel. 1	92	46	0	0	0	0	0	92	46	0	0	0	92	46	0	0	Tel. 1	
Tel. 2	46	46	0	0	0	0	0	46	46	46	0	0	46	46	0	0	Tel. 2	
Tel. 3	46	46	46	0	0	0	0	46	46	46	46	0	46	46	0	0	Tel. 3	
Tel. 4	0	46	46	46	0	0	0	46	46	46	46	46	46	46	0	92	Tel. 4	
Tel. 5	0	0	46	46	92	0	0	46	46	46	92	46	46	46	92	0	Tel. 5	
Tel. 6	0	0	0	46	92	0	0	46	92	0	46	92	0	46	92	0	Tel. 6	

Counterweight 103,616 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																Working Radius (ft)	
		On outriggers, 360° working area																	
		Outrigger base 27.23 ft																	
		Boom length (ft)																	
		139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0								
		°	°	°	°	°	°	°	°	°	°								
8																8			
9																9			
10																10			
12																12			
14																14			
16																16			
18																18			
20	82	95.9	82	82.9	82	69.4	82	56.2								20			
25	79	95.9	79	82.9	79	69.4	79	56.2	80	76.1	80	55.8	80	47.2				25	
30	78	95.0	78	82.9	78	69.3	78	55.1	79	76.1	79	55.6	79	47.2	80	62.8	80	49.8	30
35	76	88.3	76	82.9	76	66.4	76	52.5	77	75.5	77	52.8	77	47.2	78	62.8	78	49.8	35
40	74	82.4	74	82.5	74	62.3	74	49.1	76	71.3	76	50.0	76	47.0	77	62.1	77	49.6	40
45	71	78.4	71	79.1	71	59.6	71	45.3	73	67.0	73	47.8	73	45.3	75	59.6	75	47.6	45
50	69	69.7	69	71.6	69	56.2	69	41.9	72	64.1	72	45.2	72	42.8	74	56.5	74	45.4	50
55	67	60.4	67	62.9	67	52.9	67	39.0	70	59.9	70	42.8	70	40.3	72	53.4	72	43.3	55
60	65	51.8	65	54.3	65	50.0	65	36.4	68	53.8	68	40.6	68	37.9	71	50.3	71	41.3	60
65	62	44.9	62	47.4	62	47.5	62	34.0	66	46.9	66	38.6	66	35.6	68	46.9	68	39.3	65
70	60	39.5	60	43.1	60	44.2	60	32.0	64	41.4	64	36.9	64	33.5	67	43.9	67	37.7	70
75	58	35.6	58	39.5	58	40.3	58	30.1	62	37.2	62	35.2	62	31.7	65	40.1	65	36.2	75
80	55	32.8	55	35.9	55	36.4	55	28.5	59	34.1	59	33.6	59	30.0	63	35.9	63	34.6	80
85	52	29.9	52	32.4	52	33.9	52	27.0	57	31.0	57	32.3	57	28.3	61	32.2	61	32.7	85
90	49	26.9	49	29.3	49	31.8	49	25.6	55	28.3	55	30.9	55	27.0	59	29.1	59	30.7	90
95	46	24.0	46	26.4	46	29.5	46	24.4	52	25.8	52	29.3	52	25.5	57	26.2	57	28.6	95
100	43	21.3	43	23.7	43	27.0	43	23.3	49	23.3	49	27.4	49	24.1	54	23.5	54	26.4	100
110	36	17.1	36	19.4	36	22.7	36	21.4	44	18.9	44	23.7	44	21.7	50	19.1	50	21.8	110
120	27	13.5	27	15.9	27	19.0	27	19.8	38	15.3	38	20.1	38	19.7	45	15.5	45	18.3	120
130									29	12.5	29	17.1	29	17.8	39	12.5	39	15.3	130
140									16	10.0	16	14.6	16	16.5	32	10.1	32	12.9	140
150															23	7.9	23	10.6	150
160																			160
170																			170
180																			180
190																			190
200																			200
210																			210
		Telescoping sequence %																	
Tel. 1		92	92	46	0	92	46	0	92	92	92	0	92	92	0	92	92	Tel. 1	
Tel. 2		92	46	46	0	92	46	0	92	46	46	0	92	46	46	92	46	Tel. 2	
Tel. 3		46	46	46	46	46	46	46	92	46	46	92	92	46	46	92	46	Tel. 3	
Tel. 4		46	46	46	46	92	46	46	46	46	46	92	46	46	46	92	46	Tel. 4	
Tel. 5		46	46	46	46	92	46	46	46	46	46	92	46	46	46	92	46	Tel. 5	
Tel. 6		0	46	92	92	46	92	46	92	46	92	46	92	46	92	92	92	Tel. 6	

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																Working Radius (ft)	
		On outriggers, 360° working area																	
		Outrigger base 27.23 ft																	
		Boom length (ft)																	
		180.4	180.4	180.4	194.2	194.2	208.0	223.1											
		°	°	°	°	°	°	°											
8																8			
9																9			
10																10			
12																12			
14																14			
16																16			
18																18			
20																20			
25																25			
30	81	50.7	81	42.3	81	37.3										30			
35	79	50.7	79	42.3	79	37.3	80	41.4	80	33.1						35			
40	79	50.7	79	42.3	79	37.3	79	41.4	79	33.1	80	33.1	81	27.6	40				
45	77	50.3	77	42.3	77	37.3	77	41.4	77	33.1	79	33.1	80	27.6	45				
50	76	48.9	76	42.3	76	37.3	76	41.4	76	33.1	78	33.1	79	27.6	50				
55	74	46.9	74	41.8	74	37.3	75	41.0	75	33.1	77	33.1	78	27.6	55				
60	73	44.6	73	40.6	73	36.9	74	40.0	74	33.1	76	33.1	77	27.6	60				
65	71	42.4	71	38.4	71	35.1	72	38.1	72	33.1	74	33.1	75	27.6	65				
70	69	40.2	69	36.5	69	33.2	71	36.4	71	32.9	73	32.8	74	27.6	70				
75	67	37.9	67	34.7	67	31.5	69	34.8	69	32.0	72	31.9	73	27.6	75				
80	66	35.5	66	32.9	66	29.9	68	33.0	68	30.5	71	30.6	72	27.4	80				
85	64	33.0	64	31.4	64	28.5	66	31.0	66	29.2	69	29.4	71	26.9	85				
90	62	29.8	62	29.7	62	27.2	65	29.0	65	27.8	68	28.2	70	25.6	90				
95	60	27.0	60	28.0	60	25.9	63	27.0	63	26.6	66	26.6	68	24.3	95				
100	59	24.4	59	26.3	59	24.8	62	24.9	62	25.3	65	24.8	67	22.9	100				
110	55	20.5	55	22.2	55	22.5	58	20.7	58	22.3	61	21.4	64	20.3	110				
120	50	16.3	50	18.5	50	20.1	54	17.1	54	19.3	58	18.2	61	17.8	120				
130	46	13.2	46	15.4	46	17.5	50	14.3	50	16.4	54	15.1	58	15.1	130				
140	40	10.9	40	13.1	40	15.0	46	11.6	46	14.0	51	12.6	54	12.6	140				
150	34	8.8	34	10.8	34	12.8	41	9.4	41	11.8	46	10.4	51	10.4	150				
160	26	6.9	26	9.0	26	11.0	35	7.6	35	9.9	42	8.6	47	8.5	160				
170		17	7.6	17	9.6	29	6.3	29	8.3	37	6.9	43	6.9	170					
180							19	4.8	19	7.0	31	5.7	39	5.4	180				
190											23	4.4	34	4.2	190				
200													28	3.3	200				
210														18	2.2	210			
Telescoping sequence %																			
Test 1	92		46		0	92		46		92		92		100	Test 1				
Test 2	92		92		92		92		92		92		92		100	Test 2			
Test 3	92		92		92		92		92		92		92		100	Test 3			
Test 4	92		92		92		92		92		92		92		100	Test 4			
Test 5	46		92		92		46		92		92		92		100	Test 5			
Test 6	46		46		92		46		92		92		92		100	Test 6			

Counterweight 77,161 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																					
Working Radius (ft)		On outriggers, 360° working area																		Working Radius (ft)	
		Outrigger base 27.23 ft																			
		Boom length (ft)																			
		43.3		57.1		57.1		70.9		70.9		84.6		84.6		84.6		84.6			
°	1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
8																				8	
9																				9	
10	70	384.0*	370.1*	75	308.6*	75	134.7	79	308.6*	79	140.3	79	100.4	81	251.3*	81	227.1	81	142.7	81	103.5
12	67	352.8*	326.1*	73	307.3*	73	126.1	77	306.6*	77	132.6	77	93.1	80	247.5*	80	227.1	80	135.9	80	96.8
14	64	303.0*	290.1*	71	289.5*	71	118.9	75	287.3*	75	125.8	75	86.7	78	233.3	78	227.1	78	129.6	78	91.0
16	61	265.0*	260.3*	68	259.2*	68	112.2	73	257.0*	73	119.6	73	81.1	77	221.0	77	227.1	77	123.9	77	85.7
18	58	235.8	234.2	67	233.2	67	106.5	72	231.1	72	114.3	72	76.4	76	208.3	76	219.4	76	118.9	76	81.2
20	54	209.3	209.3	65	208.5	65	101.1	70	206.5	70	109.3	70	71.9	74	195.2	74	208.0	74	114.2	74	77.0
25	45	164.1	164.1	59	163.3	59	90.4	65	161.4	65	98.8	65	63.0	71	160.0	71	162.7	71	104.1	71	68.4
30	33	134.1	134.1	52	132.9	52	82.0	61	131.0	61	90.4	61	55.9	67	124.9	67	129.5	67	95.9	67	61.4
35				45	110.8	45	75.2	56	107.9	56	83.0	56	50.5	63	102.8	63	107.1	63	88.9	63	55.5
40				36	87.8	36	70.1	50	85.1	50	76.0	50	45.8	59	83.1	59	86.9	59	81.6	59	50.4
45				24	72.1	24	66.2	44	69.5	44	69.9	44	42.1	55	67.3	55	71.1	55	74.9	55	46.2
50								37	58.0	37	64.8	37	39.1	50	55.8	50	59.2	50	67.3	50	42.7
55								29	48.8	29	58.7	29	36.6	45	46.6	45	49.9	45	59.4	45	39.7
60								19	41.1	19	51.3	19	34.4	40	39.2	40	42.6	40	51.6	40	37.0
65														34	33.2	34	36.9	34	45.7	34	34.7
70														25	28.4	25	31.9	25	40.9	25	32.9
75																					
80																					
85																					
90																					
95																					
100																					
110																					
120																					
130																					
140																					
150																					
160																					
170																					
180																					
190																					
200																					
210																					
Telescoping sequence %																					
Tel. 1	0		0	0	46	0	0	0	92	46	0	0	0	0	0	0	0	0	0	Tel. 1	
Tel. 2	0		46	0	46	0	0	0	46	46	0	0	0	0	0	0	0	0	0	Tel. 2	
Tel. 3	0		0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	Tel. 3	
Tel. 4	0		0	0	0	0	0	0	0	0	46	0	0	0	46	0	0	0	0	Tel. 4	
Tel. 5	0		0	0	0	0	46	0	0	0	0	46	0	0	0	46	46	0	0	Tel. 5	
Tel. 6	0		0	46	0	46	92	0	0	0	0	0	0	0	46	92	0	0	0	Tel. 6	

1) Over rear with superstructure pin engaged.

* With additional equipment.

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																				Working Radius (ft)	
		On outriggers, 360° working area																					
		Outrigger base 27.23 ft																					
		Boom length (ft)																					
		98.4		98.4		98.4		111.9		111.9		111.9		111.9		125.7		125.7		125.7			
		°	↙	°	↙	°	↙	°	↙	°	↙	°	↙	°	↙	°	↙	°	↙				
8																							
9																							
10																							
12	82		199.5	82	170.9	82	137.4	82	87.8														
14	80		199.5	80	170.9	80	131.7	80	83.1														
16	79		193.7	79	170.9	79	126.5	79	78.7	80	154.3	80	127.9	80	112.4	80	75.0						
18	78		184.1	78	170.9	78	121.8	78	74.4	80	154.3	80	127.9	80	112.4	80	72.6	81	120.2				
20	77		174.4	77	170.9	77	117.3	77	70.2	79	153.5	79	127.9	79	112.4	79	70.3	80	120.2				
25	74		150.3	74	158.0	74	107.8	74	61.3	76	139.1	76	127.9	76	110.1	76	63.4	78	120.2				
30	71		120.6	71	125.9	71	99.7	71	54.1	74	117.9	74	123.4	74	103.2	74	57.2	76	113.0				
35	68		97.6	68	102.6	68	93.1	68	48.5	71	96.3	71	101.2	71	96.6	71	51.8	74	95.2				
40	65		79.4	65	89.3	65	86.6	65	43.8	68	80.5	68	85.3	68	90.1	68	47.4	71	79.9				
45	61		64.3	61	73.3	61	75.5	61	40.2	65	70.3	65	74.7	65	79.0	65	43.5	68	68.3				
50	57		53.0	57	61.3	57	66.9	57	37.0	63	59.5	63	63.7	63	67.8	63	40.2	66	57.8				
55	53		45.1	53	51.9	53	58.8	53	34.2	59	50.1	59	54.2	59	58.1	59	37.3	63	48.8				
60	49		39.5	49	44.5	49	51.1	49	31.8	56	42.8	56	46.7	56	50.4	56	34.9	61	41.7				
65	45		33.8	45	38.4	45	45.1	45	29.6	52	36.9	52	40.6	52	44.2	52	32.7	58	37.4				
70	41		29.1	41	33.6	41	40.2	41	27.8	49	31.9	49	35.8	49	39.3	49	30.8	55	33.6				
75	36		25.0	36	29.3	36	36.0	36	26.3	45	27.5	45	31.6	45	35.2	45	29.1	52	29.7				
80	29		21.6	29	25.7	29	32.3	29	24.8	41	23.7	41	27.9	41	31.6	41	27.7	49	25.8				
85	21		18.9	21	22.5	21	29.5	21	23.7	37	20.5	37	24.7	37	28.4	37	26.3	45	22.5				
90										32	17.9	32	21.9	32	25.7	32	25.1	42	19.9				
95										26	15.5	26	19.5	26	23.3	26	24.2	38	17.5				
100										19	13.1	19	17.1	19	21.1	19	23.3	34	15.2				
110																		23	11.5				
120																			23				
130																			19.0				
140																			15.3				
150																			12.0				
160																			9.0				
170																			6.0				
180																			3.0				
190																			0.0				
200																			0.0				
210																			0.0				
Telescoping sequence %																							
Tel. 1	92		46		0			92		46		0		92		46		0					
Tel. 2	46		46		0		0	46		46		46		0		46		46					
Tel. 3	46		46		46		0	46		46		46		0		46		46					
Tel. 4	0		46		46		0	46		46		46		46		46		46					
Tel. 5	0		0		46		92	0		46		46		92		46		46					

Counterweight 77,161 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																
Working Radius (ft)		On outriggers, 360° working area														Working Radius (ft)
		Outrigger base 27.23 ft														
		Boom length (ft)														
		139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0					
		°	°	°	°	°	°	°	°	°	°					
8															8	
9															9	
10															10	
12															12	
14															14	
16															16	
18															18	
20	82	95.9	82	82.9	82	69.4	82	56.2							20	
25	79	95.9	79	82.9	79	69.4	79	56.2	80	76.1	80	55.8	80	47.2	25	
30	78	95.0	78	82.9	78	69.3	78	55.1	79	76.1	79	55.6	79	47.2	30	
35	76	88.3	76	82.9	76	66.4	76	52.5	77	75.5	77	52.8	77	47.2	35	
40	74	77.1	74	79.7	74	62.3	74	49.1	76	71.1	76	50.0	76	47.0	40	
45	71	66.0	71	68.6	71	59.6	71	45.3	73	65.2	73	47.8	73	45.3	45	
50	69	56.8	69	59.3	69	56.2	69	41.9	72	57.7	72	45.2	72	42.8	50	
55	67	48.6	67	51.0	67	52.1	67	39.0	70	50.2	70	42.8	70	40.3	55	
60	65	41.5	65	43.9	65	47.6	65	36.4	68	43.5	68	40.6	68	37.9	60	
65	62	37.3	62	39.6	62	43.9	62	34.0	66	39.1	66	38.6	66	35.6	65	
70	60	33.4	60	35.6	60	39.2	60	32.0	64	35.2	64	36.4	64	33.5	70	
75	58	29.5	58	31.9	58	35.0	58	30.1	62	31.3	62	33.9	62	31.7	75	
80	55	25.7	55	28.3	55	31.4	55	28.5	59	27.6	59	31.2	59	30.0	80	
85	52	22.5	52	24.9	52	28.2	52	27.0	57	24.2	57	28.8	57	28.3	85	
90	49	19.7	49	22.2	49	25.5	49	25.6	55	21.7	55	26.3	55	26.5	90	
95	46	17.2	46	19.6	46	23.0	46	24.3	52	19.1	52	23.9	52	24.7	95	
100	43	14.8	43	17.2	43	20.7	43	23.0	49	16.8	49	21.6	49	23.2	100	
110	36	11.1	36	13.4	36	16.9	36	20.5	44	12.9	44	17.8	44	20.1	110	
120	27	8.3	27	10.5	27	13.8	27	17.8	38	9.9	38	14.7	38	17.0	120	
130									29	7.4	29	12.2	29	14.4	130	
140									16	5.4	16	10.0	16	12.3	140	
150														23	150	
160														3.9	160	
170														23	170	
180														6.5	180	
190														23	190	
200														9.6	200	
210															210	
Telescoping sequence %																
Tel. 1	92	92	46	0	92	46	0	92	92	92	0	92	92	0	Tel. 1	
Tel. 2	92	46	46	0	92	46	0	92	46	46	46	92	46	46	Tel. 2	
Tel. 3	46	46	46	46	46	46	46	92	92	46	46	92	46	92	Tel. 3	
Tel. 4	46	46	46	46	92	46	46	46	92	46	46	92	46	92	Tel. 4	
Tel. 5	46	46	46	46	92	46	46	46	92	46	46	92	46	92	Tel. 5	
Tel. 6	0	46	92	92	46	92	46	92	92	46	92	92	92	92	Tel. 6	

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom														Working Radius (ft)	
		On outriggers, 360° working area															
		Outrigger base 27.23 ft															
		Boom length (ft)															
		180.4	180.4	180.4	194.2	194.2	208.0	223.1									
		°	°	°	°	°	°	°									
8															8		
9															9		
10															10		
12															12		
14															14		
16															16		
18															18		
20															20		
25															25		
30	81	50.7	81	42.3	81	37.3									30		
35	79	50.7	79	42.3	79	37.3	80	41.4	80	33.1					35		
40	79	50.7	79	42.3	79	37.3	79	41.4	79	33.1	80	33.1	81	27.6	40		
45	77	50.3	77	42.3	77	37.3	77	41.4	77	33.1	79	33.1	80	27.6	45		
50	76	48.9	76	42.3	76	37.3	76	41.4	76	33.1	78	33.1	79	27.6	50		
55	74	46.7	74	41.8	74	37.3	75	41.0	75	33.1	77	33.1	78	27.6	55		
60	73	43.6	73	40.6	73	36.9	74	40.0	74	33.1	76	33.1	77	27.6	60		
65	71	38.5	71	38.4	71	35.1	72	38.1	72	33.1	74	33.1	75	27.6	65		
70	69	35.0	69	35.5	69	33.2	71	36.4	71	32.9	73	32.8	74	27.6	70		
75	67	31.9	67	32.7	67	31.5	69	33.5	69	31.7	72	31.0	73	27.6	75		
80	66	29.0	66	30.2	66	29.6	68	29.8	68	29.7	71	28.4	72	27.0	80		
85	64	25.8	64	27.7	64	27.3	66	26.4	66	27.7	69	26.6	71	25.0	85		
90	62	22.9	62	25.0	62	25.2	65	23.6	65	25.7	68	24.4	70	22.4	90		
95	60	20.4	60	22.6	60	23.4	63	21.0	63	23.4	66	22.2	68	20.0	95		
100	59	18.1	59	20.3	59	21.8	62	18.8	62	21.2	65	20.0	67	18.1	100		
110	55	14.2	55	16.4	55	18.4	58	14.9	58	17.3	61	16.0	64	15.6	110		
120	50	11.0	50	13.3	50	15.4	54	11.8	54	14.2	58	12.9	61	12.9	120		
130	46	8.3	46	10.5	46	12.7	50	9.3	50	11.5	54	10.3	58	10.2	130		
140	40	6.2	40	8.4	40	10.6	46	7.1	46	9.3	51	8.2	54	8.1	140		
150	34	4.3	34	6.5	34	8.8	41	5.2	41	7.5	46	6.3	51	5.9	150		
160	26	2.7	26	5.0	26	7.2	35	3.5	35	6.0	42	4.5	47	4.5	160		
170			17	3.8	17	5.6			29	4.5	37	3.2	43	3.0	170		
180									19	3.5					180		
190															190		
200															200		
210															210		
Telescoping sequence %																	
Tel. 1	92	46	92	92	92	92	92	92	92	92	100	100	100	100	Tel. 1		
Tel. 2	92	92	92	92	92	92	92	92	92	92	100	100	100	100	Tel. 2		
Tel. 3	92	92	92	92	92	92	92	92	92	92	100	100	100	100	Tel. 3		
Tel. 4	92	92	92	92	92	92	92	92	92	92	100	100	100	100	Tel. 4		
Tel. 5	46	92	92	92	92	92	92	92	92	92	100	100	100	100	Tel. 5		
Tel. 6	46	46	92	92	46	92	46	92	92	92	100	100	100	100	Tel. 6		

Counterweight 51,808 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																			
On outriggers, 360° working area																			
Outrigger base 27.23 ft																			
Working Radius (ft)	Boom length (ft)																		Working Radius (ft)
	43.3	57.1	57.1	70.9	70.9	84.6	84.6	84.6	84.6										
8	1)																		
9																			
10	70	392.2*	359.1*	75	308.6*	75	134.7	79	308.6*	79	140.3	79	100.4	81	251.3*	81	227.1	81	103.5
12	67	334.8*	315.5*	73	303.8*	73	126.1	77	303.1*	77	132.6	77	93.1	80	247.5*	80	227.1	80	96.8
14	64	287.1*	280.2*	71	279.7*	71	118.9	75	276.9*	75	125.8	75	86.7	78	233.3	78	227.1	78	91.0
16	61	249.6*	248.8*	68	248.8*	68	112.2	73	246.3*	73	119.6	73	81.1	77	221.0	77	227.1	77	85.7
18	58	221.6	221.6	67	221.3	67	106.5	72	218.6	72	114.3	72	76.4	76	198.5	76	205.7	76	81.2
20	54	196.5	196.5	65	195.8	65	101.1	70	191.8	70	109.3	70	71.9	74	173.7	74	179.6	74	77.0
25	45	156.0	156.0	59	149.2	59	90.4	65	136.5	65	98.8	65	63.0	71	124.9	71	130.2	71	68.4
30	33	120.1	120.1	52	118.1	52	82.0	61	102.9	61	90.4	61	55.9	67	94.7	67	99.3	67	61.4
35				45	89.0	45	75.2	56	83.8	56	83.0	56	50.5	63	74.9	63	79.2	63	55.5
40				36	69.8	36	69.6	50	67.2	50	75.4	50	45.8	59	61.0	59	64.9	59	50.4
45				24	56.7	24	62.0	44	54.2	44	64.8	44	42.1	55	51.6	55	55.0	55	46.2
50								37	44.6	37	55.2	37	39.1	50	42.6	50	45.9	50	42.7
55								29	36.8	29	47.2	29	36.6	45	34.6	45	38.0	45	39.7
60								19	30.0	19	40.6	19	34.4	40	27.9	40	31.5	40	37.0
65														34	22.7	34	26.4	34	34.7
70														25	18.5	25	22.1	25	32.6
75																			
80																			
85																			
90																			
95																			
100																			
110																			
120																			
130																			
140																			
150																			
160																			
170																			
180																			
190																			
200																			
210																			
Telescoping sequence %																			
Tel. 1	0	0	0	0	46	0	0	92	46	0	0	0	0	0	0	0	0	0	Tel.
Tel. 2	0	46	0	0	46	0	0	46	46	0	0	0	0	0	0	0	0	0	Tel.
Tel. 3	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	Tel.
Tel. 4	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	46	0	0	Tel.
Tel. 5	0	0	0	0	0	46	0	46	0	0	0	0	0	0	46	46	0	0	Tel.
Tel. 6	0	0	46	0	0	46	92	0	0	0	0	0	0	46	92	0	0	0	Tel.

1) Over rear with superstructure pin engaged.

* With additional equipment.

		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																	
		On outriggers, 360° working area																	
		Outrigger base 27.23 ft																	
Working Radius (ft)		Boom length (ft)																Working Radius (ft)	
		98.4	98.4	98.4	98.4	111.9	111.9	111.9	111.9	125.7	125.7	125.7	125.7	125.7	125.7				
8	↙		↙		↙		↙		↙		↙		↙		↙		↙		8
9																			9
10																			10
12	82	199.5	82	170.9	82	137.4	82	87.8											12
14	80	199.5	80	170.9	80	131.7	80	83.1											14
16	79	193.7	79	170.9	79	126.5	79	78.7	80	154.3	80	127.9	80	112.4	80	75.0			16
18	78	179.6	78	170.9	78	121.8	78	74.4	80	154.3	80	127.9	80	112.4	80	72.6	81	120.2	81
20	77	163.5	77	167.9	77	117.3	77	70.2	79	151.9	79	127.9	79	112.4	79	70.3	80	120.2	80
25	74	119.7	74	125.4	74	107.8	74	61.3	76	116.2	76	119.1	76	110.1	76	63.4	78	111.1	78
30	71	91.8	71	97.0	71	99.5	71	54.1	74	90.1	74	95.6	74	100.9	74	57.2	76	88.9	76
35	68	73.2	68	78.1	68	87.3	68	48.5	71	72.7	71	77.7	71	82.8	71	51.8	74	72.4	74
40	65	60.0	65	64.7	65	73.4	65	43.9	68	60.2	68	65.0	68	69.8	68	47.4	71	60.1	71
45	61	51.6	61	56.8	61	64.5	61	40.2	65	53.3	65	58.0	65	62.4	65	43.5	68	50.7	68
50	57	42.8	57	48.0	57	55.2	57	37.0	63	45.6	63	50.0	63	54.1	63	40.2	66	44.3	66
55	53	35.0	53	40.1	53	47.1	53	34.2	59	38.3	59	42.6	59	46.5	59	37.3	63	38.8	63
60	49	28.6	49	33.6	49	40.7	49	31.8	56	31.8	56	36.2	56	40.0	56	34.9	61	33.7	61
65	45	23.5	45	28.2	45	35.5	45	29.6	52	26.5	52	30.7	52	34.6	52	32.7	58	28.8	58
70	41	19.5	41	23.9	41	31.3	41	27.8	49	22.0	49	26.3	49	30.4	49	30.8	55	24.4	55
75	36	16.2	36	20.2	36	27.6	36	26.3	45	18.3	45	22.6	45	26.8	45	28.8	52	20.5	52
80	29	13.2	29	17.0	29	24.5	29	24.8	41	15.2	41	19.4	41	23.5	41	26.8	49	17.2	49
85	21	10.5	21	14.5	21	22.0	21	23.7	37	12.5	37	16.7	37	20.5	37	24.8	45	14.5	45
90									32	10.3	32	14.3	32	18.2	32	22.5	42	12.3	42
95									26	8.3	26	12.3	26	16.2	26	20.4	38	10.3	38
100									19	6.5	19	10.4	19	14.1	19	18.6	34	8.5	34
110																	23	5.5	23
120																			
130																			
140																			
150																			
160																			
170																			
180																			
190																			
200																			
210																			
Telescoping sequence %																			
Tel. 1	92	46	0	0	0	92	46	0	0	0	0	92	46	0	0	92	46	0	Tel. 1
Tel. 2	46	46	0	0	0	46	46	46	0	46	46	46	0	46	46	46	0	0	Tel. 2
Tel. 3	46	46	46	0	0	46	46	46	46	0	46	46	46	0	46	46	46	0	Tel. 3
Tel. 4	0	46	46	46	0	0	46	46	46	46	46	46	46	46	46	46	46	0	Tel. 4
Tel. 5	0	0	46	46	92	46	0	46	46	46	46	92	46	46	46	46	92	46	Tel. 5
Tel. 6	0	0	46	92	0	0	46	92	0	46	92	0	46	92	0	46	92	46	Tel. 6

Counterweight 51,808 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																	
Working Radius (ft)		On outriggers, 360° working area														Working Radius (ft)	
		Outrigger base 27.23 ft															
		Boom length (ft)															
		139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0						
		°	°	°	°	°	°	°	°	°	°						
8															8		
9															9		
10															10		
12															12		
14															14		
16															16		
18															18		
20	82	95.9	82	82.9	82	69.4	82	56.2							20		
25	79	95.9	79	82.9	79	69.4	79	56.2	80	76.1	80	55.8	80	47.2	25		
30	78	84.8	78	82.2	78	69.3	78	55.1	79	75.9	79	55.6	79	47.2	30		
35	76	69.3	76	72.2	76	66.4	76	52.5	77	69.0	77	52.8	77	47.2	35		
40	74	57.7	74	60.6	74	61.8	74	49.1	76	58.0	76	50.0	76	47.0	40		
45	71	48.6	71	51.5	71	55.0	71	45.3	73	49.4	73	47.8	73	45.3	45		
50	69	41.4	69	44.2	69	48.2	69	41.9	72	42.4	72	45.2	72	42.8	50		
55	67	35.6	67	38.5	67	42.6	67	39.0	70	36.4	70	41.5	70	40.3	55		
60	65	31.2	65	34.1	65	38.4	65	36.4	68	31.6	68	37.1	68	37.9	60		
65	62	27.4	62	30.4	62	34.0	62	34.0	66	28.2	66	34.1	66	35.2	65		
70	60	23.7	60	26.6	60	30.1	60	31.5	64	25.0	64	30.9	64	32.6	70		
75	58	20.2	58	22.9	58	26.5	58	29.1	62	22.0	62	27.6	62	29.7	75		
80	55	17.0	55	19.6	55	23.3	55	26.7	59	19.2	59	24.2	59	26.6	80		
85	52	14.3	52	16.9	52	20.2	52	24.4	57	16.5	57	21.5	57	23.8	85		
90	49	12.1	49	14.5	49	17.9	49	21.9	55	13.9	55	19.2	55	21.5	90		
95	46	10.0	46	12.4	46	15.8	46	19.8	52	11.7	52	16.9	52	19.4	95		
100	43	8.1	43	10.5	43	14.0	43	18.0	49	9.8	49	15.0	49	17.3	100		
110	36	5.1	36	7.5	36	10.8	36	14.8	44	6.8	44	11.9	44	14.1	110		
120	27	2.4	27	4.9	27	8.4	27	12.2	38	4.4	38	9.2	38	11.5	120		
130												29	7.0	29	9.5		
140												16	5.4	16	7.6		
150																	
160																	
170																	
180																	
190																	
200																	
210																	
Telescoping sequence %																	
Tel. 1	92	92	46	46	0	92	46	46	0	92	92	92	46	0	Tel. 1		
Tel. 2	92	46	46	46	0	92	46	46	0	92	46	46	46	92	Tel. 2		
Tel. 3	46	46	46	46	46	46	46	46	92	92	46	46	46	92	Tel. 3		
Tel. 4	46	46	46	46	92	46	46	46	92	46	46	46	46	92	Tel. 4		
Tel. 5	46	46	46	46	92	46	92	46	92	92	46	92	92	92	Tel. 5		
Tel. 6	0	46	92	92	92	46	46	92	92	46	92	92	92	92	Tel. 6		

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom												Working Radius (ft)	
		On outriggers, 360° working area													
		Outrigger base 27.23 ft													
		Boom length (ft)													
		180.4	180.4	180.4	194.2	194.2	208.0	223.1							
8	8													8	
9	9													9	
10	10													10	
12	12													12	
14	14													14	
16	16													16	
18	18													18	
20	20													20	
25	25													25	
30	81	50.7	81	42.3	81	37.3								30	
35	79	50.7	79	42.3	79	37.3	80	41.4	80	33.1				35	
40	79	50.3	79	42.3	79	37.3	79	41.4	79	33.1	80	33.1	81	27.6	40
45	77	46.7	77	42.3	77	37.3	77	41.4	77	33.1	79	33.1	80	27.6	45
50	76	41.0	76	41.2	76	37.3	76	39.3	76	33.1	78	33.1	79	27.6	50
55	74	35.5	74	38.1	74	37.0	75	35.6	75	33.1	77	32.7	78	27.6	55
60	73	30.8	73	33.4	73	35.9	74	31.0	74	32.6	76	31.5	77	27.4	60
65	71	26.9	71	29.6	71	32.0	72	27.2	72	29.9	74	27.8	75	26.6	65
70	69	23.7	69	26.3	69	28.6	71	24.0	71	26.7	73	24.7	74	24.0	70
75	67	21.0	67	23.6	67	25.9	69	21.6	69	24.2	72	21.9	73	21.3	75
80	66	18.9	66	21.4	66	23.7	68	19.6	68	22.2	71	19.6	72	18.9	80
85	64	16.7	64	19.5	64	21.7	66	17.5	66	20.2	69	18.0	71	16.9	85
90	62	14.8	62	17.5	62	19.7	65	15.7	65	18.3	68	16.1	70	15.3	90
95	60	13.0	60	15.5	60	17.7	63	13.8	63	16.4	66	14.5	68	13.9	95
100	59	11.2	59	13.6	59	15.8	62	12.0	62	14.5	65	13.0	67	12.6	100
110	55	8.0	55	10.4	55	12.4	58	9.0	58	11.4	61	9.9	64	9.9	110
120	50	5.4	50	7.6	50	9.8	54	6.4	54	8.8	58	7.3	61	7.3	120
130	46	3.3	46	5.5	46	7.6	50	4.2	50	6.6	54	5.1	58	5.1	130
140			40	3.8	40	5.9	46	2.2	46	4.8	51	3.4	54	3.4	140
150							34	4.3			41	3.2			150
160						26	3.0								160
170															170
180															180
190															190
200															200
210															210
		Telescoping sequence %													
Tel. 1		92	46	0	92	46	92	100	Tel. 1						
Tel. 2		92	92	92	92	92	92	100	Tel. 2						
Tel. 3		92	92	92	92	92	92	100	Tel. 3						
Tel. 4		92	92	92	92	92	92	100	Tel. 4						
Tel. 5		46	92	92	92	92	92	100	Tel. 5						
Tel. 6		46	46	92	46	92	92	100	Tel. 6						

Counterweight 26.455 lbs

[illegible]

1) Over rear with superstructure pin engaged
* With additional equipment.

[illegible]

Counterweight 26,455 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																
On outriggers, 360° working area																
Outrigger base 27.23 ft																
Working Radius (ft)	Boom length (ft)														Working Radius (ft)	
	139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0						
8	°	°	°	°	°	°	°	°	°	°	°	°	°	°	8	
9															9	
10															10	
12															12	
14															14	
16															16	
18															18	
20	82	95.9	82	82.9	82	69.4	82	56.2							20	
25	79	87.4	79	82.9	79	69.4	79	56.2	80	76.1	80	55.8	80	47.2	25	
30	78	68.9	78	72.0	78	69.3	78	55.1	79	68.5	79	55.6	79	47.2	30	
35	76	55.0	76	58.1	76	62.7	76	52.5	77	55.1	77	52.8	77	47.2	35	
40	74	44.6	74	47.5	74	52.1	74	49.1	76	45.1	76	49.5	76	47.0	40	
45	71	36.7	71	39.6	71	43.9	71	45.3	73	37.8	73	43.3	73	45.3	45	
50	69	31.2	69	33.8	69	38.5	69	41.3	72	32.5	72	37.9	72	41.8	50	
55	67	26.2	67	28.8	67	33.4	67	36.8	70	28.0	70	33.3	70	37.0	55	
60	65	21.5	65	24.3	65	28.1	65	32.0	68	23.7	68	29.2	68	31.6	60	
65	62	17.3	62	19.9	62	23.9	62	27.7	66	19.5	66	25.0	66	27.2	65	
70	60	13.8	60	16.5	60	20.3	60	24.3	64	15.9	64	21.4	64	23.7	70	
75	58	10.8	58	13.5	58	17.1	58	21.3	62	12.9	62	18.3	62	20.7	75	
80	55	8.3	55	10.9	55	14.4	55	18.6	59	10.4	59	15.7	59	18.1	80	
85	52	6.3	52	8.7	52	12.3	52	16.4	57	8.1	57	13.2	57	15.6	85	
90	49	4.4	49	6.9	49	10.4	49	14.6	55	6.2	55	11.3	55	13.7	90	
95			46	5.2	46	8.6	46	12.8	52	4.7	52	9.7	52	12.1	95	
100			43	3.7	43	7.1	43	11.3	49	3.3	49	8.3	49	10.6	100	
110					36	4.7	36	8.6			44	5.7	44	8.1	110	
120					27	2.7	27	6.8			38	3.8	38	6.0	120	
130													29	4.4	130	
140													16	2.9	140	
150															150	
160															160	
170															170	
180															180	
190															190	
200															200	
210															210	
Telescoping sequence %																
Tel. 1	92	92	46	0	92	46	0	92	92	92	46	0	92	92	0	Tel. 1
Tel. 2	92	46	46	46	0	92	46	46	0	92	46	46	46	46	46	Tel. 2
Tel. 3	46	46	46	46	46	46	46	46	92	92	46	46	46	46	92	Tel. 3
Tel. 4	46	46	46	92	46	46	46	46	92	46	46	46	46	92	46	Tel. 4
Tel. 5	46	46	46	92	46	92	92	92	92	46	92	92	92	92	92	Tel. 5
Tel. 6	0	46	92	92	46	92	46	92	92	46	46	92	92	92	92	Tel. 6

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom															
On outriggers, 360° working area															
Outrigger base 27.23 ft															
Working Radius (ft)	Boom length (ft)												Working Radius (ft)		
	180.4	180.4	180.4	194.2	194.2	208.0	223.1								
8	↖	↖	↖	↖	↖	↖	↖							8	
9														9	
10														10	
12														12	
14														14	
16														16	
18														18	
20														20	
25														25	
30	81	50.7	81	42.3	81	37.3	80	41.4	80	33.1				30	
35	79	50.3	79	42.3	79	37.3	80	40.8	79	33.1				35	
40	79	43.2	79	41.9	79	37.3	79	36.0	77	33.1	80	33.1	81	27.6	40
45	77	36.3	77	38.5	77	37.3	77	36.0	77	33.1	79	33.1	80	27.6	45
50	76	30.8	76	33.7	76	34.9	76	31.0	76	32.0	78	30.5	79	27.6	50
55	74	26.6	74	29.4	74	32.3	75	27.0	75	30.2	77	27.4	78	25.9	55
60	73	23.5	73	26.1	73	29.7	74	24.1	74	27.8	76	24.7	77	22.7	60
65	71	20.6	71	23.1	71	25.6	72	21.1	72	24.4	74	22.1	75	20.6	65
70	69	17.3	69	19.8	69	22.2	71	18.1	71	20.9	73	19.2	74	18.4	70
75	67	14.3	67	16.8	67	19.1	69	15.1	69	17.9	72	16.3	73	16.1	75
80	66	11.6	66	14.2	66	16.4	68	12.5	68	15.3	71	13.8	72	13.7	80
85	64	9.4	64	11.8	64	14.2	66	10.3	66	12.9	69	11.6	71	11.4	85
90	62	7.5	62	9.9	62	12.2	65	8.4	65	11.1	68	9.7	70	9.5	90
95	60	5.9	60	8.3	60	10.5	63	6.8	63	9.3	66	8.0	68	7.9	95
100	59	4.4	59	6.8	59	9.0	62	5.3	62	7.8	65	6.4	67	6.4	100
110			55	4.3	55	6.5	58	2.8	58	5.3	61	3.7	64	3.7	110
120					50	4.2			54	3.4					120
130					46	2.6									130
140															140
150															150
160															160
170															170
180															180
190															190
200															200
210															210
Telescoping sequence %															
Tel. 1	92	46	0	92	46	92	100	Tel. 1							
Tel. 2	92	92	92	92	92	92	100	Tel. 2							
Tel. 3	92	92	92	92	92	92	100	Tel. 3							
Tel. 4	92	92	92	92	92	92	100	Tel. 4							
Tel. 5	46	92	92	92	92	92	100	Tel. 5							
Tel. 6	46	46	92	46	92	92	100	Tel. 6							

Counterweight 0 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 27.23 ft																							
Working Radius (ft)	Boom length (ft)																				Working Radius (ft)		
	43.3		57.1		57.1		70.9		70.9		84.6		84.6		84.6		84.6						
	°	1)	°		°		°		°		°		°		°		°						
8																				8			
9																				9			
10	70	355.7*	334.9*	75	307.9*	75	134.7	79	307.7*	79	140.3	79	100.4	81	251.3*	81	227.1	81	142.7	81	103.5	10	
12	67	298.0*	292.0*	73	290.9*	73	126.1	77	281.7*	77	132.6	77	93.1	80	237.7	80	223.7	80	135.9	80	96.8	12	
14	64	253.0*	253.0*	71	247.8*	71	118.9	75	218.7*	75	125.8	75	86.7	78	187.5	78	195.2	78	129.6	78	91.0	14	
16	61	218.8	218.8	68	197.7	68	112.2	73	170.4	73	119.6	73	81.1	77	148.8	77	155.5	77	123.9	77	85.7	16	
18	58	183.0	183.0	67	161.4	67	106.5	72	140.7	72	114.3	72	76.4	76	124.1	76	130.3	76	118.9	76	81.2	18	
20	54	148.7	148.7	65	131.0	65	101.1	70	115.5	70	109.3	70	71.9	74	102.7	74	108.5	74	113.6	74	77.0	20	
25	45	101.5	101.5	59	91.4	59	90.4	65	77.7	65	93.2	65	63.0	71	68.5	71	74.1	71	90.0	71	68.4	25	
30	33	67.7	67.7	52	65.1	52	73.9	61	58.2	61	74.1	61	55.9	67	48.1	67	53.2	67	67.5	67	61.4	30	
35				45	45.8	45	53.5	56	42.9	56	57.0	56	50.5	63	38.1	63	42.6	63	55.8	63	55.5	35	
40				36	33.8	36	40.8	50	31.3	50	44.3	50	44.5	59	27.9	59	32.7	59	45.0	59	46.9	40	
45				24	25.4	24	32.1	44	22.9	44	35.2	44	35.4	55	20.4	55	24.8	55	36.2	55	38.0	45	
50								37	16.6	37	28.5	37	28.7	50	14.3	50	18.3	50	29.6	50	31.2	50	
55								29	11.6	29	23.2	29	23.4	45	9.3	45	13.1	45	24.2	45	25.8	55	
60								19	7.4	19	18.8	19	19.0	40	4.9	40	9.1	40	19.9	40	21.6	60	
65																	34	16.5	34	18.1	65		
70																			25	13.9	25	15.4	70
75																						75	
80																						80	
85																						85	
90																						90	
95																						95	
100																						100	
110																						110	
120																						120	
130																						130	
140																						140	
150																						150	
160																						160	
170																						170	
180																						180	
190																						190	
200																						200	
210																						210	
Telescoping sequence %																							
Tel. 1	0	0	0	0	46	0	0	92	46	0	0	0	0	0	0	0	0	0	0	0	Tel. 1		
Tel. 2	0	46	0	46	0	0	0	46	46	0	0	0	0	0	0	0	0	0	0	0	Tel. 2		
Tel. 3	0	0	0	0	0	0	0	0	0	46	0	0	0	0	46	0	0	0	0	0	Tel. 3		
Tel. 4	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	46	0	0	0	0	Tel. 4		
Tel. 5	0	0	0	0	0	0	46	0	46	0	0	0	0	0	0	46	46	0	0	0	Tel. 5		
Tel. 6	0	0	46	0	46	92	0	46	92	0	0	0	0	0	0	46	92	0	0	0	Tel. 6		

1) Over rear with superstructure pin engaged.

* With additional equipment.

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 27.23 ft																		Working Radius (ft)		
		Boom length (ft)																				
		98.4	98.4	98.4	98.4	111.9	111.9	111.9	111.9	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7					
		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°				
8																			8			
9																			9			
10																			10			
12	82	195.3	82	170.9	82	137.4	82	87.8											12			
14	80	169.4	80	166.5	80	131.7	80	83.1											14			
16	79	137.2	79	144.6	79	126.5	79	78.7	80	128.9	80	127.9	80	112.4	80	75.0			16			
18	78	115.7	78	122.6	78	121.7	78	74.4	80	110.0	80	115.2	80	110.4	80	72.6	81	105.1	81	95.9	18	
20	77	96.9	77	103.4	77	115.5	77	70.2	79	93.2	79	99.8	79	106.2	79	70.3	80	89.8	80	94.2	20	
25	74	65.6	74	72.1	74	83.7	74	61.3	76	64.6	76	70.9	76	77.3	76	63.4	78	63.6	78	69.8	25	
30	71	46.5	71	52.2	71	62.8	71	54.1	74	46.6	74	52.3	74	58.2	74	57.2	76	46.9	76	52.6	30	
35	68	35.7	68	41.7	68	51.4	68	48.5	71	35.0	71	40.4	71	45.8	71	50.8	74	35.9	74	41.2	35	
40	65	27.6	65	33.5	65	42.7	65	43.6	68	29.6	68	34.6	68	39.7	68	45.0	71	28.1	71	33.2	40	
45	61	21.1	61	26.3	61	35.3	61	38.3	65	22.7	65	27.9	65	32.8	65	38.1	68	23.9	68	28.8	45	
50	57	15.5	57	20.4	57	28.9	57	32.1	63	17.3	63	22.4	63	27.4	63	32.4	66	19.2	66	24.0	50	
55	53	10.7	53	15.4	53	23.5	53	26.6	59	12.9	59	17.8	59	22.7	59	27.4	63	14.9	63	19.8	55	
60	49	6.5	49	11.3	49	19.2	49	22.3	56	9.3	56	13.9	56	18.5	56	23.0	61	11.3	61	16.1	60	
65																						65
70																						70
75																						75
80																						80
85																						85
90																						90
95																						95
100																						100
110																						110
120																						120
130																						130
140																						140
150																						150
160																						160
170																						170
180																						180
190																						190
200																						200
210																						210
Telescoping sequence %																						
Tel. 1	92		46		0		0		92		46		0		0		92		46		0	Tel. 1
Tel. 2	46		46		0		0		46		46		46		0		46		46		0	Tel. 2
Tel. 3	46				46		0		46				46		0		46				0	Tel. 3
Tel. 4	0		46		46		0		0		46		46		46		46		46		92	Tel. 4
Tel. 5	0		0		46		92		0		46		46		92		46		46		92	Tel. 5
Tel. 6	0				46		92		0		0		46		0		46		46		92	Tel. 5

Counterweight 0 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 27.23 ft															Working Radius (ft)
Boom length (ft)															
139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0						
°	°	°	°	°	°	°	°	°	°	°	°	°	°		
8														8	
9														9	
10														10	
12														12	
14														14	
16														16	
18														18	
20	82	83.0	82	81.8	82	69.4	82	56.2						20	
25	79	59.4	79	63.1	79	65.8	79	56.2	80	58.8	80	55.8	80	47.2	25
30	78	44.1	78	47.4	78	52.2	78	54.8	79	44.4	79	51.4	79	47.2	30
35	76	33.7	76	37.0	76	41.5	76	46.9	77	34.7	77	41.1	77	43.9	35
40	74	26.6	74	29.5	74	33.9	74	39.1	76	27.7	76	33.9	76	36.7	40
45	71	22.4	71	25.4	71	29.9	71	34.8	73	23.9	73	30.0	73	32.7	45
50	69	17.8	69	20.9	69	25.1	69	30.1	72	19.5	72	25.6	72	28.3	50
55	67	13.7	67	16.8	67	21.0	67	25.9	70	15.4	70	21.6	70	24.3	55
60	65	10.5	65	13.3	65	17.7	65	22.4	68	12.1	68	18.2	68	21.0	60
65	62	7.6	62	10.3	62	14.7	62	19.3	66	9.4	66	15.1	66	18.0	65
70			60	8.0	60	12.1	60	16.3	64	7.1	64	12.9	64	15.6	70
75					58	9.7	58	13.8			62	10.8	62	13.3	75
80					55	7.5	55	11.7			59	8.8	59	11.2	80
85					52	5.6	52	10.0			57	6.9	57	9.4	85
90					49	4.4	49	8.5			55	5.4	55	7.8	90
95							46	7.2			52	4.0	52	6.4	95
100							43	6.0			49	2.7	49	5.2	100
110							36	4.0					44	3.2	110
120															120
130															130
140															140
150															150
160															160
170															170
180															180
190															190
200															200
210															210
Telescoping sequence %															
Tel. 1	92		92		46		0		92		46		0	92	Tel. 1
Tel. 2		92		46		46		0		92		46		46	Tel. 2
Tel. 3			46		46		46		46		46		92		Tel. 3
Tel. 4				46		46		92		46		46		46	Tel. 4
Tel. 5					46		92		46		92		46		Tel. 5
Tel. 6						92		92		46		92		92	Tel. 6

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 27.23 ft														Working Radius (ft)
Working Radius (ft)	Boom length (ft)													
	180.4	180.4	180.4	194.2	194.2									
8	↙	↙	↙		↙							↙		8
9														9
10														10
12														12
14														14
16														16
18														18
20														20
25														25
30	81	41.7	81	41.9	81	37.3								30
35	79	33.0	79	35.9	79	37.1	80	32.7	80	33.1				35
40	79	26.3	79	29.3	79	32.0	79	26.5	79	29.6				40
45	77	21.2	77	24.1	77	26.8	77	21.6	77	24.5				45
50	76	17.7	76	20.7	76	23.2	76	18.3	76	21.1				50
55	74	14.7	74	17.7	74	20.3	75	15.5	75	18.4				55
60	73	12.1	73	15.0	73	17.8	74	12.9	74	15.8				60
65	71	9.6	71	12.4	71	15.1	72	10.3	72	13.1				65
70	69	7.5	69	10.2	69	12.9	71	8.2	71	11.0				70
75			67	8.2	67	10.9			69	9.1				75
80			66	6.5	66	9.1			68	7.3				80
85			64	4.9	64	7.6			66	5.8				85
90					62	6.1								90
95					60	4.8								95
100					59	3.6								100
110														110
120														120
130														130
140														140
150														150
160														160
170														170
180														180
190														190
200														200
210														210
Telescoping sequence %														
Tel. 1	92		46		0		92		46					Tel. 1
Tel. 2		92		92		92		92		92				Tel. 2
Tel. 3			92		92		92		92		92			Tel. 3
Tel. 4				92		92		92		92		92		Tel. 4
Tel. 5					92		92		92		92		92	Tel. 5
Tel. 6						92		46		92				Tel. 6

Counterweight 77,161 lbs

		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																			
		On outriggers, 360° working area																			
		Outrigger base 18.37 ft																			
Working Radius (ft)		Boom length (ft)																Working Radius (ft)			
		43.3	57.1	57.1	70.9	70.9	70.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6					
8																		8			
9																		9			
10	70	334.8*	75	307.9*	75	134.7	79	307.7*	79	140.3	79	100.4	81	251.3*	81	227.1	81	142.7	81	103.5	10
12	67	291.2*	73	290.9*	73	126.1	77	289.0*	77	132.6	77	93.1	80	247.5*	80	227.1	80	135.9	80	96.8	12
14	64	256.5*	71	255.4*	71	118.9	75	248.4*	75	125.8	75	86.7	78	222.5	78	220.0	78	129.6	78	91.0	14
16	61	228.1	68	227.0	68	112.2	73	207.7	73	119.6	73	81.1	77	187.1	77	192.9	77	123.9	77	85.7	16
18	58	205.4	67	197.0	67	106.5	72	178.0	72	114.3	72	76.4	76	161.2	76	166.7	76	118.9	76	81.2	18
20	54	183.0	65	167.8	65	101.1	70	151.9	70	109.3	70	71.9	74	138.5	74	143.6	74	114.2	74	77.0	20
25	45	123.9	59	120.5	59	90.4	65	111.5	65	98.8	65	63.0	71	102.5	71	107.1	71	104.1	71	68.4	25
30	33	88.4	52	87.1	52	82.0	61	84.2	61	90.0	61	55.9	67	79.0	67	83.2	67	94.8	67	61.4	30
35			45	66.0	45	72.0	56	63.6	56	75.5	56	50.5	63	61.6	63	65.4	63	76.1	63	55.5	35
40			36	51.9	36	58.2	50	49.5	50	60.8	50	45.8	59	47.5	59	51.2	59	61.5	59	50.4	40
45			24	42.0	24	48.0	44	39.5	44	50.3	44	42.1	55	37.6	55	41.1	55	50.9	55	46.2	45
50							37	32.1	37	42.4	37	39.1	50	30.1	50	33.5	50	42.9	50	42.5	50
55							29	26.1	29	36.2	29	35.6	45	24.1	45	27.4	45	36.6	45	38.1	55
60							19	21.1	19	31.0	19	31.4	40	19.3	40	22.4	40	31.6	40	33.0	60
65													34	15.5	34	18.6	34	27.4	34	28.9	65
70													25	12.5	25	15.4	25	24.2	25	25.6	70
75																					75
80																					80
85																					85
90																					90
95																					95
100																					100
110																					110
120																					120
130																					130
140																					140
150																					150
160																					160
170																					170
180																					180
190																					190
200																					200
210																					210
		Telescoping sequence %																			
Tel. 1	0	0	0	0	46	0	0	92	46	0	0	0	0	0	0	0	0	Tel. 1	0		
Tel. 2	0	0	46	0	46	0	0	46	46	0	0	46	0	0	0	0	0	Tel. 2	0		
Tel. 3	0	0	0	0	0	0	0	0	46	0	46	0	0	0	0	0	0	Tel. 3	0		
Tel. 4	0	0	0	0	0	0	0	0	0	0	46	0	46	0	0	46	0	Tel. 4	0		
Tel. 5	0	0	0	0	0	0	46	0	0	46	0	0	0	0	0	46	46	Tel. 5	0		
Tel. 6	0	0	0	46	0	46	92	0	0	0	0	46	92	0	0	46	92	Tel. 6	0		

* With additional equipment.

		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																				
		On outriggers, 360° working area																				
		Outrigger base 18.37 ft																				
Working Radius (ft)		Boom length (ft)																Working Radius (ft)				
		98.4	98.4	98.4	98.4	111.9	111.9	111.9	111.9	111.9	125.7	125.7	125.7	125.7	125.7							
8																			8			
9																			9			
10																			10			
12	82	199.5	82	170.9	82	137.4	82	87.8											12			
14	80	195.9	80	170.9	80	131.7	80	83.1											14			
16	79	174.6	79	170.9	79	126.5	79	78.7	80	154.3	80	127.9	80	112.4	80	75.0			16			
18	78	151.7	78	155.7	78	121.8	78	74.4	80	141.9	80	127.9	80	112.4	80	72.6	81	120.2	81	95.9	18	
20	77	131.5	77	137.4	77	117.3	77	70.2	79	126.6	79	126.4	79	112.4	79	70.3	80	118.6	80	95.9	20	
25	74	98.7	74	103.9	74	107.8	74	61.3	76	96.5	76	101.7	76	104.9	76	63.4	78	94.5	78	61.5	25	
30	71	76.7	71	81.6	71	90.5	71	54.1	74	75.9	74	80.7	74	85.8	74	57.2	76	75.1	76	60.0	30	
35	68	61.8	68	66.4	68	74.7	68	48.5	71	61.6	71	66.3	71	71.0	71	51.8	74	61.6	74	66.2	35	
40	65	49.0	65	53.4	65	60.8	65	43.8	68	50.8	68	55.2	68	59.8	68	47.4	71	51.4	71	55.8	40	
45	61	38.9	61	43.1	61	50.3	61	40.2	65	41.2	65	45.5	65	49.5	65	43.5	68	43.2	68	47.4	45	
50	57	31.4	57	35.3	57	42.4	57	37.0	63	33.7	63	37.8	63	41.7	63	40.2	66	35.9	66	40.0	50	
55	53	25.4	53	29.1	53	36.1	53	34.2	59	27.6	59	31.6	59	35.4	59	37.2	63	29.8	63	33.7	55	
60	49	20.4	49	24.2	49	31.0	49	31.7	56	22.6	56	26.6	56	30.3	56	34.3	61	24.8	61	28.5	60	
65	45	16.6	45	20.3	45	27.0	45	29.4	52	18.6	52	22.5	52	26.1	52	30.1	58	20.8	58	24.3	65	
70	41	13.4	41	17.0	41	23.7	41	26.2	49	15.4	49	19.2	49	22.8	49	26.7	55	17.5	55	21.0	70	
75	36	10.8	36	14.2	36	20.7	36	23.3	45	12.7	45	16.3	45	19.9	45	23.8	52	14.6	52	18.2	75	
80	29	8.5	29	11.8	29	18.2	29	20.8	41	10.3	41	13.8	41	17.3	41	21.3	49	12.1	49	15.8	80	
85	21	6.5	21	9.8	21	16.2	21	18.7	37	8.1	37	11.8	37	15.1	37	19.1	45	10.0	45	13.6	85	
90									32	6.4	32	9.9	32	13.4	32	17.2	42	8.2	42	11.7	90	
95									26	4.9	26	8.3	26	11.8	26	15.6	38	6.5	38	10.1	95	
100									19	3.5	19	6.8	19	10.3	19	14.1	34	5.1	34	8.6	100	
110																	23	2.8	23	6.3	110	
120																					120	
130																					130	
140																					140	
150																					150	
160																					160	
170																					170	
180																					180	
190																					190	
200																					200	
210																					210	
Telescoping sequence %																						
Tel. 1	92		46		0		0		92		46		0		0		92		46		0	Tel. 1
Tel. 2	46		46		0		0		46		46		0		0		46		46		0	Tel. 2
Tel. 3	46			46		0		0	46		46		46		0		46		46		0	Tel. 3
Tel. 4	0		46		46		0		46		46		46		46		46		46		92	Tel. 4
Tel. 5	0		0		46		92		0		46		46		92		46		46		92	Tel. 5
Tel. 6	0		0		46		92		0		0		46		92		0		46		92	Tel. 6

Counterweight 77,161 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom															
On outriggers, 360° working area															
Working Radius (ft)	Outrigger base 18.37 ft														Working Radius (ft)
	Boom length (ft)														
	139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0					
	°	°	°	°	°	°	°	°	°	°	°	°	°		
8														8	
9														9	
10														10	
12														12	
14														14	
16														16	
18														18	
20	82	95.9	82	82.9	82	69.4	82	56.2						20	
25	79	88.8	79	82.9	79	69.4	79	56.2	80	76.1	80	55.8	80	47.2	25
30	78	71.9	78	74.7	78	69.3	78	55.1	79	71.3	79	55.6	79	47.2	30
35	76	59.1	76	61.8	76	65.0	76	52.5	77	59.1	77	52.8	77	47.2	35
40	74	49.3	74	52.0	74	55.9	74	49.1	76	49.8	76	49.9	76	47.0	40
45	71	41.8	71	44.4	71	48.2	71	45.3	73	42.4	73	47.0	73	45.3	45
50	69	35.3	69	37.8	69	41.3	69	41.9	72	36.5	72	41.9	72	42.8	50
55	67	29.6	67	31.9	67	35.2	67	38.2	70	31.2	70	36.3	70	38.7	55
60	65	24.6	65	26.8	65	30.1	65	34.0	68	26.4	68	31.2	68	33.4	60
65	62	20.6	62	22.8	62	26.1	62	29.8	66	22.3	66	27.0	66	29.2	65
70	60	17.3	60	19.5	60	22.6	60	26.4	64	19.0	64	23.7	64	25.7	70
75	58	14.4	58	16.6	58	19.6	58	23.4	62	16.1	62	20.7	62	22.7	75
80	55	11.8	55	14.0	55	17.1	55	20.8	59	13.6	59	18.2	59	20.2	80
85	52	9.8	52	12.0	52	14.9	52	18.7	57	11.6	57	16.0	57	18.0	85
90	49	8.0	49	10.2	49	13.2	49	16.8	55	9.7	55	14.1	55	16.1	90
95	46	6.3	46	8.5	46	11.5	46	15.0	52	8.1	52	12.4	52	14.5	95
100	43	4.9	43	7.1	43	9.9	43	13.5	49	6.6	49	10.8	49	13.0	100
110			36	4.6	36	7.6	36	10.9	44	4.1	44	8.3	44	10.5	110
120			27	2.5	27	5.6	27	8.9				38	6.3	38	120
130												29	4.6	29	130
140												16	3.3	16	140
150															150
160															160
170															170
180															180
190															190
200															200
210															210
Telescoping sequence %															
Tel. 1	92	92	46	0	92	46	0	92	92	92	0	92	92	0	Tel. 1
Tel. 2	92	46	46	46	0	92	46	0	92	46	46	0	92	46	Tel. 2
Tel. 3	46	46	46	46	46	46	46	92	92	46	92	46	92	46	Tel. 3
Tel. 4	46	46	46	92	46	46	92	46	92	46	92	46	92	92	Tel. 4
Tel. 5	46	46	46	92	46	92	46	92	92	46	92	46	92	92	Tel. 5
Tel. 6	0	46	92	92	46	92	46	92	46	92	46	92	92	92	Tel. 6

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom												Working Radius (ft)			
		On outriggers, 360° working area															
		Outrigger base 18.37 ft															
		Boom length (ft)															
		180.4	180.4	180.4	194.2	194.2	208.0	223.1									
		°	°	°	°	°	°	°									
8																8	
9																9	
10																10	
12																12	
14																14	
16																16	
18																18	
20																20	
25																25	
30	81	50.7	81	42.3	81	37.3	80	41.4	80	33.1						30	
35	79	50.7	79	42.3	79	37.3	80	41.4	80	33.1	80	33.1	81	27.6	40	35	
40	79	47.9	79	42.3	79	37.3	79	41.3	79	33.1	80	33.1	80	27.6	40	40	
45	77	41.2	77	42.3	77	37.3	77	39.9	77	33.1	79	33.1	80	27.6	40	45	
50	76	35.7	76	38.1	76	37.3	76	35.6	76	33.1	78	33.1	79	27.6	50	50	
55	74	31.0	74	33.4	74	35.4	75	31.0	75	32.1	77	31.2	78	27.6	55	55	
60	73	26.9	73	29.3	73	31.7	74	27.2	74	29.8	76	27.6	77	27.0	60	60	
65	71	23.6	71	25.6	71	27.8	72	24.0	72	26.4	74	24.4	75	23.8	65	65	
70	69	20.2	69	22.3	69	24.4	71	20.9	71	23.2	73	21.7	74	21.2	70	70	
75	67	17.3	67	19.4	67	21.4	69	18.1	69	20.3	72	19.1	73	18.7	75	75	
80	66	14.9	66	16.9	66	18.9	68	15.5	68	17.7	71	16.6	72	16.4	80	80	
85	64	12.7	64	14.7	64	16.7	66	13.4	66	15.6	69	14.5	71	14.2	85	85	
90	62	10.8	62	12.8	62	14.8	65	11.5	65	13.7	68	12.6	70	12.4	90	90	
95	60	9.1	60	11.2	60	13.1	63	9.9	63	12.1	66	10.9	68	10.7	95	95	
100	59	7.5	59	9.7	59	11.5	62	8.4	62	10.6	65	9.3	67	9.3	100	100	
110	55	5.0	55	7.2	55	9.0	58	5.9	58	8.1	61	6.8	64	6.8	110	110	
120	50	2.9	50	5.0	50	6.9	54	3.8	54	5.9	58	4.7	61	4.7	120	120	
130			46	3.3	46	5.1			50	4.2	54	3.0	58	2.9	130	130	
140					40	3.7		46	2.8						140	140	
150					34	2.5									150	150	
160															160	160	
170															170	170	
180															180	180	
190															190	190	
200															200	200	
210															210	210	
Telescoping sequence %																	
Tel. 1	92	46	0	92	46	92	100	92	92	92	100	92	92	100	Tel. 1		
Tel. 2	92	92	92	92	92	92	92	92	92	92	92	92	92	92	Tel. 2		
Tel. 3	92	92	92	92	92	92	92	92	92	92	92	92	92	92	Tel. 3		
Tel. 4	92	92	92	92	92	92	92	92	92	92	92	92	92	92	Tel. 4		
Tel. 5	46	92	92	92	92	92	92	92	92	92	92	92	92	92	Tel. 5		
Tel. 6	46	46	92	46	92	46	92	92	92	92	92	92	92	92	Tel. 6		

Counterweight 51,808 lbs

		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom													
		On outriggers, 360° working area													
		Outrigger base 18.37 ft													
Working Radius (ft)		Boom length (ft)												Working Radius (ft)	
		43.3	57.1	57.1	70.9	70.9	70.9	84.6	84.6	84.6	84.6	84.6	84.6		
8														8	
9														9	
10	70	320.6*	75	306.5*	75	134.7	79	304.7*	79	140.3	79	100.4	81	249.4*	81
12	67	278.0*	73	275.8*	73	126.1	77	252.4*	77	132.6	77	93.1	80	219.1	80
14	64	243.3*	71	229.2	71	118.9	75	200.0	75	125.8	75	86.7	78	176.7	78
16	61	207.7	68	185.2	68	112.2	73	163.9	73	119.6	73	81.1	77	146.4	77
18	58	175.4	67	156.6	67	106.5	72	139.6	72	114.3	72	76.4	76	125.4	76
20	54	145.8	65	131.8	65	101.1	70	118.5	70	109.3	70	71.9	74	107.1	74
25	45	95.6	59	93.1	59	90.4	65	85.7	65	96.7	65	63.0	71	78.0	71
30	33	67.0	52	65.7	52	73.1	61	62.8	61	75.9	61	55.9	67	58.8	67
35			45	48.9	45	55.7	56	46.3	56	58.3	56	50.5	63	44.3	63
40			36	37.6	36	43.9	50	35.1	50	46.3	50	45.3	59	33.2	59
45			24	29.5	24	35.5	44	27.1	44	37.9	44	37.8	55	25.1	55
50							37	21.1	37	31.6	37	31.7	50	19.2	50
55							29	16.4	29	26.5	29	26.7	45	14.5	45
60						19	12.5	19	22.1	19	22.3	40	10.7	40	13.8
65												34	7.6	34	10.7
70												25	5.2	25	8.2
75															17.0
80															25
85															
90															
95															
100															
110															
120															
130															
140															
150															
160															
170															
180															
190															
200															
210															
		Telescoping sequence %													
Tel. 1	0	0	0	0	46	0	0	92	46	0	0	0	0	Tel. 1	0
Tel. 2	0	46	0	0	46	0	0	46	46	0	0	46	0	Tel. 2	0
Tel. 3	0	0	0	0	0	0	0	0	46	0	0	0	0	Tel. 3	0
Tel. 4	0	0	0	0	0	0	0	0	0	46	0	46	0	Tel. 4	0
Tel. 5	0	0	0	0	0	46	0	0	0	0	46	46	46	Tel. 5	0
Tel. 6	0	0	46	0	0	46	92	0	0	0	46	92	0	Tel. 6	0

* With additional equipment.

		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom													
		On outriggers, 360° working area													
		Outrigger base 18.37 ft													
Working Radius (ft)		Boom length (ft)												Working Radius (ft)	
		98.4	98.4	98.4	98.4	111.9	111.9	111.9	111.9	125.7	125.7	125.7	125.7		
8														8	
9														9	
10														10	
12	82	192.2	82	170.9	82	137.4	82	87.8						12	
14	80	162.8	80	164.0	80	131.7	80	83.1						14	
16	79	136.8	79	143.3	79	126.5	79	78.7	80	129.9	80	127.9	80	112.4	80
18	78	118.3	78	124.4	78	121.8	78	74.4	80	113.3	80	117.3	80	112.1	80
20	77	102.0	77	107.6	77	116.2	77	70.2	79	98.6	79	104.3	79	110.0	79
25	74	75.2	74	80.3	74	90.0	74	61.3	76	73.9	76	84.4	76	63.4	76
30	71	57.4	71	62.2	71	71.2	71	54.1	74	57.2	74	62.1	74	67.1	74
35	68	45.2	68	49.8	68	57.8	68	48.5	71	45.6	71	50.3	71	55.0	71
40	65	34.5	65	38.9	65	46.3	65	43.8	68	36.7	68	41.3	68	45.7	68
45	61	26.4	61	30.6	61	37.9	61	40.2	65	29.0	65	33.2	65	37.3	65
50	57	20.4	57	24.5	57	31.5	57	34.5	63	22.9	63	27.0	63	30.8	63
55	53	15.6	53	19.5	53	26.3	53	29.3	59	18.0	59	21.9	59	25.6	59
60	49	11.8	49	15.5	49	22.3	49	24.9	56	13.9	56	17.9	56	21.4	56
65	45	8.8	45	12.3	45	18.9	45	21.6	52	10.8	52	14.5	52	18.3	52
70	41	6.2	41	9.7	41	16.3	41	19.0	49	8.2	49	11.9	49	15.5	49
75	36	3.6	36	7.5	36	14.0	36	16.6	45	5.9	45	9.6	45	13.1	45
80			29	5.6	29	12.0	29	14.6	41	3.9	41	7.5	41	11.0	41
85			21	4.1	21	10.5	21	12.9				37	5.8	37	9.4
90												32	4.5	32	7.8
95												26	3.2	26	6.5
100												19	5.4	19	9.1
110															
120															
130															
140															
150															
160															
170															
180															
190															
200															
210															
		Telescoping sequence %													
Tel. 1	92	46	0	0	0	92	46	0	0	92	46	0	0	Tel. 1	92
Tel. 2	46	46	0	0	0	46	46	0	0	46	46	0	0	Tel. 2	46
Tel. 3	46	46	46	0	0	46	46	46	0	46	46	46	0	Tel. 3	46
Tel. 4	0	46	46	0	0	46	46	46	46	46	46	46	92	Tel. 4	0
Tel. 5	0	0	46	92	0	46	46	46	92	46	46	46	92	Tel. 5	0
Tel. 6	0	0	46	92	0	0	46	92	0	46	92	0	46	Tel. 6	0

Counterweight 51,808 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom														Working Radius (ft)	
		On outriggers, 360° working area															
		Outrigger base 18.37 ft															
		Boom length (ft)															
		139.4	139.4	139.4	139.4	153.2	153.2	153.2	153.2	167.0	167.0	167.0	167.0	167.0			
		°	°	°	°	°	°	°	°	°	°	°	°	°			
8															8		
9															9		
10															10		
12															12		
14															14		
16															16		
18															18		
20	82	89.8	82	82.6	82	69.4	82	56.2							20		
25	79	69.0	79	72.1	79	69.4	79	56.2	80	68.1	80	55.8	80	47.2	25		
30	78	54.3	78	57.3	78	61.5	78	55.1	79	54.3	79	55.6	79	47.2	30		
35	76	43.9	76	46.8	76	50.8	76	52.5	77	44.5	77	50.1	77	47.2	35		
40	74	36.0	74	38.7	74	42.6	74	47.3	76	36.7	76	42.4	76	45.1	40		
45	71	29.8	71	32.5	71	36.2	71	40.9	73	30.9	73	36.2	73	38.9	45		
50	69	24.6	69	27.1	69	30.5	69	34.8	72	26.1	72	31.2	72	33.7	50		
55	67	19.9	67	22.3	67	25.6	67	29.5	70	21.7	70	26.7	70	29.0	55		
60	65	15.9	65	18.1	65	21.4	65	25.2	68	17.7	68	22.5	68	24.7	60		
65	62	12.5	62	14.9	62	18.1	62	21.8	66	14.3	66	19.2	66	21.4	65		
70	60	9.9	60	12.2	60	15.3	60	19.0	64	11.7	64	16.4	64	18.6	70		
75	58	7.7	58	9.9	58	13.0	58	16.6	62	9.3	62	14.0	62	16.2	75		
80	55	5.7	55	7.9	55	11.0	55	14.5	59	7.3	59	11.9	59	14.1	80		
85	52	3.9	52	6.1	52	9.2	52	12.7	57	5.6	57	10.0	57	12.2	85		
90			49	4.7	49	7.6	49	11.1	55	4.1	55	8.5	55	10.7	90		
95		46	3.3		46	6.3	46	9.8			52	7.2	52	9.3	95		
100					43	5.1	43	8.7			49	6.0	49	8.1	100		
110					36	3.1	36	6.7			44	4.0	44	6.0	110		
120						27	5.0				38	2.3	38	4.4	120		
130												29	4.0		130		
140													3.0		140		
150															150		
160															160		
170															170		
180															180		
190															190		
200															200		
210															210		
Telescoping sequence %																	
Tel. 1	92	92	46	0	92	46	0	92	92	92	0	92	92	0	Tel. 1		
Tel. 2	92	46	46	0	92	46	0	92	46	46	46	92	46	46	Tel. 2		
Tel. 3	46	46	46	46	46	46	92	92	46	46	92	46	46	92	Tel. 3		
Tel. 4	46	46	46	92	46	46	46	92	46	46	46	92	46	92	Tel. 4		
Tel. 5	46	46	46	92	46	92	46	92	46	46	92	46	92	92	Tel. 5		
Tel. 6	0	46	92	92	46	46	92	92	46	46	92	46	92	92	Tel. 6		

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom														
On outriggers, 360° working area														
Outrigger base 18.37 ft														
Working Radius (ft)	Boom length (ft)												Working Radius (ft)	
	180.4	180.4	180.4	194.2	194.2	208.0								
	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖		
8													8	
9													9	
10													10	
12													12	
14													14	
16													16	
18													18	
20													20	
25													25	
30	81	50.0	81	42.3	81	37.3							30	
35	79	42.3	79	42.3	79	37.3	80	40.7	80	33.1			35	
40	79	35.5	79	38.1	79	36.9	79	35.3	79	32.9	80	32.7	40	
45	77	29.9	77	32.6	77	34.4	77	30.1	77	31.9	79	29.9	45	
50	76	25.5	76	28.0	76	30.4	76	25.7	76	28.3	78	26.0	50	
55	74	21.7	74	24.1	74	26.5	75	22.0	75	24.6	77	22.4	55	
60	73	18.4	73	20.8	73	23.0	74	18.9	74	21.3	76	19.4	60	
65	71	15.6	71	17.8	71	19.8	72	16.2	72	18.6	74	16.8	65	
70	69	12.9	69	15.1	69	17.0	71	13.7	71	15.9	73	14.6	70	
75	67	10.5	67	12.7	67	14.6	69	11.3	69	13.5	72	12.4	75	
80	66	8.6	66	10.6	66	12.5	68	9.3	68	11.5	71	10.3	80	
85	64	6.7	64	8.9	64	10.7	66	7.6	66	9.8	69	8.5	85	
90	62	5.2	62	7.4	62	9.2	65	6.1	65	8.3	68	7.0	90	
95	60	3.9	60	6.0	60	7.9	63	4.7	63	6.9	66	5.7	95	
100	59	2.7	59	4.8	59	6.7	62	3.4	62	5.6	65	4.5	100	
110													110	
120													120	
130													130	
140													140	
150													150	
160													160	
170													170	
180													180	
190													190	
200													200	
210													210	
Telescoping sequence %														
Tel. 1	92	46	0	92	92	46	92		92				Tel. 1	
Tel. 2	92	92	92	92	92	92	92		92				Tel. 2	
Tel. 3	92	92	92	92	92	92	92		92				Tel. 3	
Tel. 4	92	92	92	92	92	92	92		92				Tel. 4	
Tel. 5	46	92	92	92	92	92	92		92				Tel. 5	
Tel. 6	46	46	92	46	92	92	92		92				Tel. 6	

Counterweight 26,455 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 18.37 ft															
Working Radius (ft)	Boom length (ft)														Working Radius (ft)
	43.3	57.1	57.1	70.9	70.9	70.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	
8															8
9															9
10	70	305.2*	75	300.9*	75	134.7	79	295.3*	79	140.3	79	100.4	81	243.7*	81
12	67	256.3*	73	222.7	73	126.1	77	188.4	77	132.6	77	93.1	80	162.1	80
14	64	198.8	71	171.5	71	118.9	75	148.0	75	125.8	75	86.7	78	129.4	78
16	61	156.6	68	137.4	68	112.2	73	120.1	73	119.6	73	81.1	77	106.1	77
18	58	130.3	67	115.3	67	106.5	72	101.5	72	111.0	72	76.4	76	90.1	76
20	54	107.3	65	96.3	65	100.3	70	85.3	70	101.2	70	71.9	74	76.0	74
25	45	67.5	59	65.7	59	73.9	65	60.0	65	74.4	65	63.0	71	53.5	71
30	33	45.8	52	44.5	52	52.0	61	41.9	61	54.8	61	55.0	67	38.8	67
35			45	31.9	45	38.6	56	29.2	56	41.3	56	41.5	63	27.3	63
40			36	23.3	36	29.6	50	20.8	50	32.0	50	32.2	59	18.9	59
45			24	17.2	24	23.2	44	14.8	44	25.5	44	25.7	55	16.3	55
50							37	10.3	37	20.7	37	20.9	50	11.8	50
55							29	6.7	29	16.8	29	17.1	45	8.1	45
60							19	3.9	19	13.5	19	13.7	40	4.9	40
65															
70															
75															
80															
85															
90															
95															
100															
110															
120															
130															
140															
150															
160															
170															
180															
190															
200															
210															
Telescoping sequence %															
Tel. 1	0				46		0	0	92	46		0	0		Tel. 1
Tel. 2	0	46			46		0	0	46	46		0	0		Tel. 2
Tel. 3	0	0	0		0		0	0	0	46		0	0		Tel. 3
Tel. 4	0	0	0	0	0		0	0	0	0	46	0	0		Tel. 4
Tel. 5	0	0	0	0	0	46	0	0	0	0	0	46	46		Tel. 5
Tel. 6	0	0	46	0	0	46	92	0	0	0	46	46	92		Tel. 6

* With additional equipment.

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 18.37 ft															
Working Radius (ft)	Boom length (ft)														Working Radius (ft)
	98.4	98.4	98.4	98.4	111.9	111.9	111.9	111.9	125.7	125.7	125.7	125.7	125.7	125.7	
8															8
9															9
10															10
12	82	146.8	82	154.7	82	137.4	82	87.8							12
14	80	119.4	80	126.3	80	131.4	80	83.1							14
16	79	99.2	79	105.7	79	117.2	79	78.7	80	94.8	80	101.3	80	106.1	80
18	78	85.0	78	91.0	78	102.1	78	74.4	80	81.9	80	88.0	80	94.0	80
20	77	72.4	77	78.1	77	88.6	77	70.2	79	70.5	79	76.2	79	81.9	79
25	74	51.9	74	57.0	74	66.7	74	61.3	76	51.6	76	56.8	76	62.1	76
30	71	38.3	71	43.1	71	52.1	71	53.9	74	38.8	74	43.6	74	48.4	74
35	68	28.5	68	33.1	68	41.1	68	44.6	71	29.8	71	34.4	71	39.1	71
40	65	20.4	65	24.6	65	32.2	65	35.3	68	22.8	68	27.2	68	31.4	68
45	61	14.2	61	18.4	61	25.7	61	28.8	65	16.6	65	20.8	65	24.8	65
50	57	9.6	57	13.6	57	20.8	57	23.7	63	12.0	63	16.1	63	19.9	63
55	53	6.0	53	9.9	53	16.8	53	19.7	59	8.3	59	12.3	59	16.0	59
60	49	3.0	49	6.8	49	13.6	49	16.5	56	5.1	56	9.2	56	12.8	56
65			45	4.5	45	11.1	45	13.8				52	6.7	52	10.2
70					41	9.0	41	11.7				49	4.6	49	8.2
75					36	7.3	36	9.9				45	2.6	45	6.4
80					29	5.9	29	8.3				41	5.0	41	8.7
85					21	4.7	21	7.1				37	3.6	37	7.4
90															
95															
100															
110															
120															
130															
140															
150															
160															
170															
180															
190															
200															
210															
Telescoping sequence %															
Tel. 1	92	46	0	0	92	46	0	0	92	46	0	0	92	46	0
Tel. 2	46	46	0	0	46	46	0	0	46	46	0	0	46	46	0
Tel. 3	46	46	46	0	46	46	46	0	46	46	46	0	46	46	0
Tel. 4	0	46	46	0	46	46	46	46	46	46	46	46	46	46	92
Tel. 5	0	0	46	92	0	46	46	46	92	46	46	46	46	92	92
Tel. 6	0	0	46	92	0	0	46	92	0	46	92	0	46	92	92

Counterweight 26,455 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 18.37 ft														Working Radius (ft)	
Working Radius (ft)	Boom length (ft)													Working Radius (ft)	
	139.4	139.4	139.4	139.4	153.2	153.2	153.2	167.0	167.0	167.0					
8														8	
9														9	
10														10	
12														12	
14														14	
16														16	
18														18	
20	82	64.6	82	67.9	82	68.7	82	56.2	80	48.2	80	52.9	80	47.2	20
25	79	48.4	79	51.4	79	55.9	79	56.2	80	48.2	80	52.9	80	47.2	25
30	78	37.1	78	40.0	78	44.1	78	49.2	79	37.6	79	43.5	79	46.4	30
35	76	28.9	76	31.8	76	35.8	76	40.5	77	29.9	77	35.5	77	38.4	35
40	74	22.8	74	25.6	74	29.4	74	34.0	76	23.9	76	29.4	76	32.2	40
45	71	18.1	71	20.7	71	24.5	71	28.7	73	19.4	73	24.7	73	27.4	45
50	69	13.9	69	16.4	69	19.9	69	24.0	72	15.6	72	20.7	72	23.2	50
55	67	10.3	67	12.6	67	16.0	67	19.8	70	12.2	70	17.1	70	19.4	55
60	65	7.2	65	9.4	65	12.8	65	16.5	68	9.0	68	13.8	68	16.0	60
65	62	4.7	62	6.9	62	10.2	62	14.0	66	6.5	66	11.1	66	13.3	65
70			60	4.8	60	8.2	60	11.8			64	9.0	64	11.2	70
75					58	6.3	58	9.9			62	7.2	62	9.4	75
80					55	4.7	55	8.3			59	5.6	59	7.8	80
85					52	3.4	52	6.9			57	4.3	57	6.5	85
90						49	5.7				55	5.3			90
95						46	4.7				52	4.2			95
100						43	3.7				49	3.3			100
110															110
120															120
130															130
140															140
150															150
160															160
170															170
180															180
190															190
200															200
210															210
Telescoping sequence %															
Tel. 1	92	92	46	0	92	46	0	92	92	46	0	92	92	46	Tel. 1
Tel. 2	92	46	46	0	92	46	0	92	46	46	0	92	46	46	Tel. 2
Tel. 3	46	46	46	46	46	46	92	46	46	46	92	46	46	92	Tel. 3
Tel. 4	46	46	46	92	46	46	92	46	46	92	46	46	92	46	Tel. 4
Tel. 5	46	46	46	92	46	92	46	92	46	92	46	92	46	92	Tel. 5
Tel. 6	0	46	92	92	46	92	92	46	92	46	92	92	46	92	Tel. 6

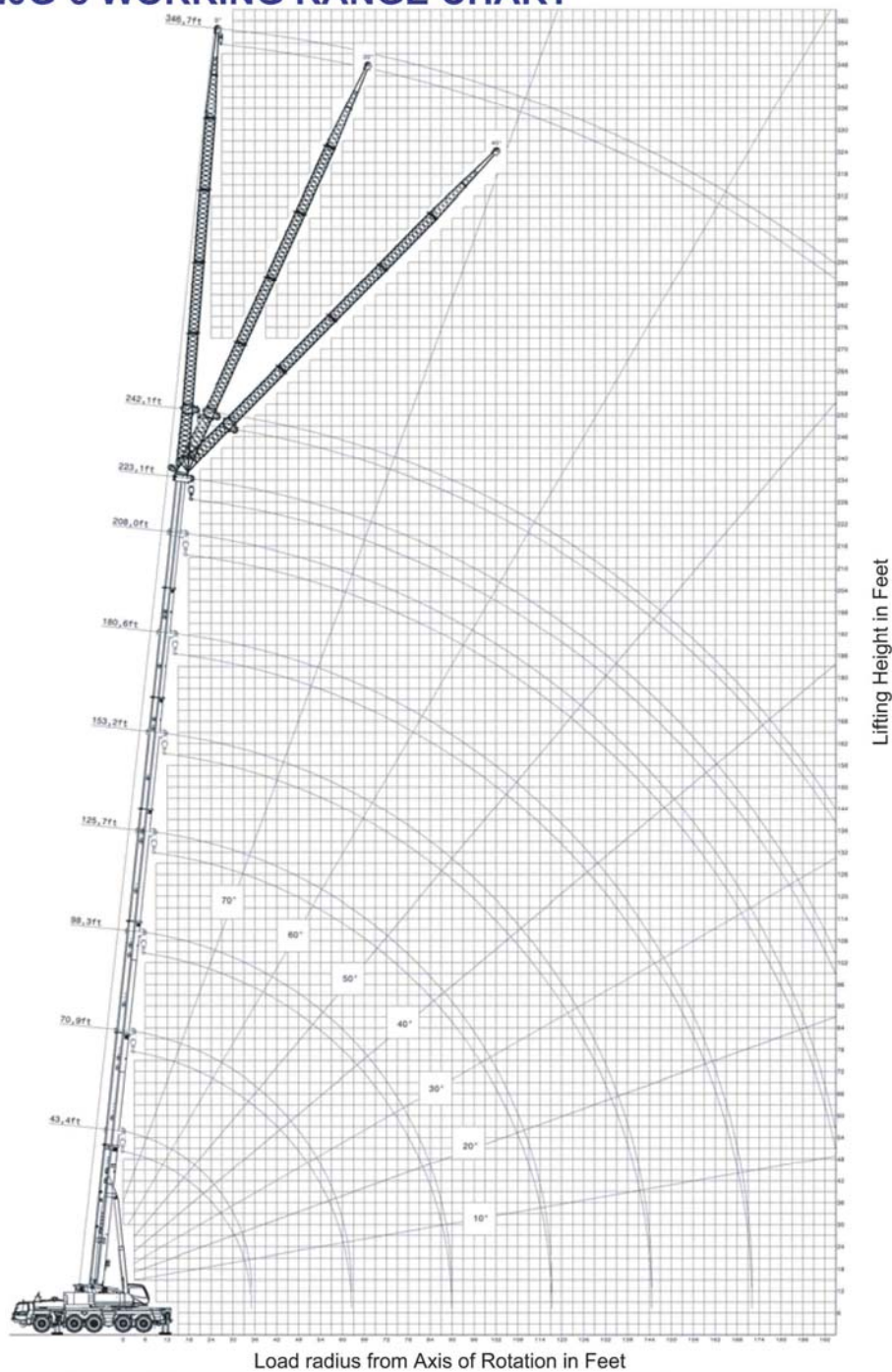
Counterweight 0 lbs

Counterweight 0 lbs																					
Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom																					
On outriggers, 360° working area																					
Outrigger base 18.37 ft																					
Working Radius (ft)	Boom length (ft)																				Working Radius (ft)
	43.3	57.1	57.1	70.9	70.9	70.9	84.6	84.6	84.6	84.6											
8																				8	
9																				9	
10	70	266.8*	75	209.4	75	134.7	79	167.7	79	140.3	79	100.4	81	138.0	81	145.8	81	142.7	81	103.5	10
12	67	179.7	73	148.6	73	126.1	77	123.1	77	131.8	77	93.1	80	103.8	80	110.6	80	130.1	80	96.8	12
14	64	132.1	71	112.4	71	117.2	75	94.9	75	115.0	75	86.7	78	81.3	78	87.2	78	104.8	78	91.0	14
16	61	102.5	68	88.6	68	99.5	73	75.6	73	93.9	73	81.1	77	65.1	77	70.7	77	86.8	77	85.7	16
18	58	84.1	67	73.2	67	83.2	72	62.7	72	79.7	72	74.7	76	54.0	76	59.2	76	74.3	76	76.1	18
20	54	68.5	65	59.9	65	69.2	70	51.4	70	67.2	70	67.6	74	44.3	74	49.1	74	63.4	74	65.8	20
25	45	44.8	59	40.1	59	48.2	65	33.9	65	48.2	65	48.4	71	28.8	71	33.2	71	46.1	71	48.1	25
30	33	29.2	52	27.5	52	34.9	61	22.8	61	35.8	61	36.2	67	18.7	67	22.6	67	34.7	67	36.7	30
35			45	18.5	45	25.2	56	15.3	56	27.6	56	27.8	63	11.7	63	15.6	63	27.0	63	29.0	35
40			36	12.0	36	18.3	50	9.4	50	20.8	50	21.0			59	10.4	59	21.4	59	23.2	40
45			24	7.5	24	13.5			44	15.9	44	16.1					55	16.6	55	18.1	45
50									37	12.1	37	12.3					50	12.8	50	14.3	50
55									29	9.2	29	9.4					45	9.8	45	11.3	55
60									19	6.8	19	7.1					40	7.4	40	8.9	60
65																	34	5.5	34	6.9	65
70																	25	4.0	25	5.4	70
75																					75
80																					80
85																					85
90																					90
95																					95
100																					100
110																					110
120																					120
130																					130
140																					140
150																					150
160																					160
170																					170
180																					180
190																					190
200																					200
210																					210
Telescoping sequence %																					
Tel. 1	0	0	0	46	0	0	92	46	0	0	Tel. 1										
Tel. 2	0	46	0	46	0	0	46	46	0	0	Tel. 2										
Tel. 3	0	0	0	0	0	0	0	46	0	0	Tel. 3										
Tel. 4	0	0	0	0	0	0	0	0	46	0	Tel. 4										
Tel. 5	0	0	0	0	46	0	0	0	46	46	Tel. 5										
Tel. 6	0	0	46	0	46	92	0	0	46	92	Tel. 6										

* With additional equipment.

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom On outriggers, 360° working area Outrigger base 18.37 ft																								Working Radius (ft)	
Working Radius (ft)	Boom length (ft)																				Working Radius (ft)				
	98.4	98.4	98.4	98.4	111.9	111.9	111.9	111.9	125.7	125.7	125.7														
8																								8	
9																								9	
10																								10	
12	82	94.2	82	101.7	82	115.4	82	87.8																12	
14	80	75.0	80	81.9	80	94.3	80	83.1																14	
16	79	61.1	79	67.4	79	79.0	79	78.7	80	58.9	80	65.4	80	71.4	80	75.0	81	49.2	81	55.0	81	61.6	18	16	
18	78	51.2	78	57.2	78	68.1	78	71.0	80	50.0	80	56.1	80	61.9	80	67.6	80	41.9	80	47.4	80	55.9	20	18	
20	77	42.4	77	48.1	77	58.4	77	62.6	79	42.1	79	47.7	79	53.4	79	59.6	80	34.6	78	29.5	78	34.6	78	42.3	25
25	74	28.3	74	33.3	74	42.9	74	46.5	76	28.6	76	33.9	76	39.1	76	44.9	78	21.0	76	25.8	76	33.1	30	25	
30	71	18.7	71	23.6	71	32.3	71	35.8	74	19.9	74	24.7	74	29.5	74	34.8	76	15.0	74	19.5	74	26.6	35	30	
35	68	12.3	68	16.7	68	25.2	68	28.5	71	13.6	71	18.2	71	22.9	71	28.0	74	10.2	71	15.0	71	21.6	40	35	
40			65	11.7	65	20.0	65	23.1	68	8.7	68	13.4	68	17.8	68	22.9	71	10.2	71	15.0	71	21.6	40	40	
45			61	8.0	61	15.8	61	18.9			65	9.5	65	13.9	65	18.8			68	11.3	68	17.9	45	45	
50					57	12.3	57	15.2			63	6.6	63	10.9	63	15.6			66	8.4	66	14.9	50	50	
55					53	9.2	53	12.1			59	8.3	59	12.8					66			63	12.3	55	55
60					49	6.7	49	9.5			56	6.0	56	10.2								61	10.0	60	60
65					45	4.9	45	7.5			52	4.2	52	8.2								58	8.0	65	65
70							41	5.9					49	6.5								55	6.4	70	70
75							36	4.6					45	5.1								52	5.0	75	75
80							29	3.5					41	3.9								49	3.7	80	80
85													37	2.9								45	2.7	85	85
90																								90	90
95																								95	95
100																								100	100
110																								110	110
120																								120	120
130																								130	130
140																								140	140
150																								150	150
160																								160	160
170																								170	170
180																								180	180
190																								190	190
200																								200	200
210																								210	210
Telescoping sequence %																									
Tel. 1	92	46	0	0	92	46	0	0	92	46	0	0	92	46	0	0	92	46	0	0	92	46	0	0	Tel. 1
Tel. 2	46	46	0	0	46	46	46	0	46	46	46	0	46	46	46	0	46	46	46	0	46	46	0	46	Tel. 2
Tel. 3	46	46	46	0	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	Tel. 3
Tel. 4	0	46	46	0	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	Tel. 4
Tel. 5	0	0	46	92	0	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	Tel. 5
Tel. 6	0	0	46	92	0	0	0	46	92	0	46	92	0	46	92	0	46	92	0	46	92	0	46	92	Tel. 6

ATF220G-5 WORKING RANGE CHART



NOTE: Boom and 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.

Counterweight 156,527 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.7 ft																	
On outriggers, 360° working area																	
Outrigger base 27.23 ft																	
Working Radius (ft)	Boom length 43.3 ft				Boom length 43.3 ft to 111.9 ft				Boom length 43.3 ft to 208.0 ft				Boom length 43.3 ft to 223.1 ft				Working Radius (ft)
	Fly jib 17.7 ft offset				Fly jib 17.7 ft offset				Fly jib 17.7 ft offset				Fly jib 17.7 ft offset				
	0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°		
	L	L	L		L	L	L		L	L	L		L	L	L		
10	76	104.2														10	
12	74	97.5	79	66.3												12	
14	72	91.6	77	63.8												14	
16	70	86.4	75	61.3												16	
18	68	81.9	73	59.2	78	48.1										18	
20	66	77.7	71	57.3	76	47.0	80	85.3								20	
25	61	69.2	66	53.2	70	44.8	78	85.3								25	
30	55	62.3	60	49.8	63	43.1	76	85.2	78	60.8	80	47.3				30	
35	49	56.7	54	47.0	57	41.7	74	81.7	76	58.5	78	46.3				35	
40	42	51.6	47	44.0	50	40.2	72	75.4	74	56.2	76	45.3				40	
45	34	46.6	39	41.3			69	69.8	71	54.4	73	44.5				45	
50	22	42.1					67	64.8	69	52.6	71	43.6	79	23.2		50	
55					65	60.4	67	61.1	68	42.9	78	22.3	79	20.7	80	19.9	
60					62	56.4	64	49.6	66	42.2	77	21.4	78	19.9	79	19.3	
65					59	52.9	61	48.2	63	41.7	75	20.6	76	19.3	78	18.6	
70					57	49.8	59	47.0	60	41.1	74	19.9	75	18.6	77	18.1	
75					54	47.0	56	45.6	57	40.4	73	19.2	74	18.0	75	17.5	
80					51	44.3	53	43.8	54	39.8	72	18.6	73	17.5	74	16.8	
85					48	41.4	50	41.6	51	39.5	70	17.9	72	17.0	73	16.3	
90					45	38.9	47	39.6	48	39.0	69	17.4	71	16.7	72	16.0	
95					42	35.9	44	36.7	45	36.8	68	16.9	69	16.2	70	15.7	
100					38	32.8	40	33.4	41	33.6	67	16.4	68	15.8	69	15.3	
110					29	27.2	31	27.7			64	15.5	65	14.9	66	14.7	
120					16	22.8					61	14.6	62	14.2	63	14.0	
130											58	14.0	59	13.5	60	13.3	
140											55	13.4	56	13.0	57	12.8	
150											52	12.7	53	12.4	54	12.3	
160											48	11.7	49	11.7	50	11.7	
170											44	10.9	45	10.9	46	10.9	
180											40	10.0	41	10.0			
190											36	9.1	36	9.3			
200											30	8.1	30	8.6			
210											23	7.1					
220																	
230																	
Telescoping sequence %																	
Tel. 1		0				92				92				100	Tel. 1		
Tel. 2		0				92				92				100	Tel. 2		
Tel. 3		0				46				92				100	Tel. 3		
Tel. 4		0				0				92				100	Tel. 4		
Tel. 5		0				0				92				100	Tel. 5		
Tel. 6		0				0				92				100	Tel. 6		

Counterweight 156,527 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft															Working Radius (ft)
On outriggers, 360° working area															
Outrigger base 27.23 ft															
Boom length 43.3 ft			Boom length 43.3 ft to 111.9 ft			Boom length 43.3 ft to 208.0 ft			Boom length 43.3 ft to 223.1 ft						
Working Radius (ft)	Fly jib 43.3 ft offset			Fly jib 43.3 ft offset			Fly jib 43.3 ft offset			Fly jib 43.3 ft offset					
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
	L	L	L	L	L	L	L	L	L	L	L	L			
10	79	39.7												10	
12	77	39.7												12	
14	75	39.0												14	
16	74	37.2												16	
18	73	35.4												18	
20	72	33.7												20	
25	69	30.4	78	24.5			81	39.3						25	
30	65	27.6	75	22.5			77	34.6						30	
35	62	25.2	71	21.0			75	32.4						35	
40	58	23.2	67	19.7	75	17.3	74	30.7	79	22.4				40	
45	54	21.5	63	18.5	71	16.5	71	29.0	77	21.4				45	
50	49	20.1	59	17.6	66	15.9	70	27.4	75	20.5				50	
55	45	18.8	54	16.8	61	15.4	68	26.1	73	19.7	77	16.5	80	15.0	
60	40	17.7	49	16.0	56	15.0	66	24.9	71	19.1	76	16.0	77	15.0	
65	35	16.7	44	15.3	50	14.8	64	23.7	69	18.4	73	15.7	76	15.0	
70	28	15.9	37	14.9			62	22.7	67	17.9	71	15.4	75	15.0	
75	21	15.3	30	14.6			60	21.8	65	17.4	69	15.1	75	15.0	
80							57	21.0	62	16.9	66	14.9	74	14.9	
85							55	20.1	60	16.6	64	14.6	72	14.8	
90							53	19.4	58	16.1	62	14.4	71	14.3	
95							51	18.8	56	15.7	59	14.2	70	13.9	
100							48	18.1	53	15.3	56	14.1	69	13.5	
110							43	16.9	48	14.8	51	13.9	66	12.7	
120							38	16.1	42	14.3	45	13.9	64	12.1	
130							31	15.3	35	13.9			62	11.5	
140							21	14.9					59	11.0	
150													57	10.5	
160													54	10.1	
170													51	9.7	
180													48	9.1	
190													45	8.5	
200													41	8.0	
210													37	7.5	
220													32	6.8	
230													25	6.0	
240															
250															
260															
270															
280															
Telescoping sequence %															
Tel. 1	0					92				92				Tel. 1	
Tel. 2	0					92				92				Tel. 2	
Tel. 3	0					46				92				Tel. 3	
Tel. 4	0					0				92				Tel. 4	
Tel. 5	0					0				92				Tel. 5	
Tel. 6	0					0				92				Tel. 6	

Counterweight 156,527 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 63.0 ft																																		Working Radius (ft)	
		On outriggers, 360° working area																																			
		Boom length 43.3 ft								Boom length 43.3 ft to 111.9 ft								Boom length 43.3 ft to 208.0 ft								Boom length 43.3 ft to 223.1 ft											
		Fly jib 63.0 ft offset								Fly jib 63.0 ft offset								Fly jib 63.0 ft offset								Fly jib 63.0 ft offset											
		0°	10°	20°	30°	40°	50°	60°	70°	0°	10°	20°	30°	40°	50°	60°	70°	0°	10°	20°	30°	40°	50°	60°	70°	0°	10°	20°	30°	40°	50°	60°	70°				
10																																			10		
12	80	35.1																																	12		
14	78	34.3																																	14		
16	77	33.3																																	16		
18	77	32.3																																	18		
20	76	31.4																																	20		
25	73	29.2																																	25		
30	70	27.1																																	30		
35	68	24.9																																	35		
40	66	22.9	76	18.8																															40		
45	62	21.3	73	17.6																															45		
50	59	19.9	70	16.3																															50		
55	55	18.4	66	15.1	78	12.7																													55		
60	51	16.9	63	14.1	73	12.0	69	22.5	76	17.1																									60		
65	48	15.6	59	13.1	69	11.5	67	21.5	74	16.4	80	12.8																							65		
70	45	14.4	56	12.4	65	11.0	66	20.5	73	15.9	78	12.5																							70		
75	40	13.3	51	11.7	60	10.5	64	19.7	71	15.4	76	12.2																							75		
80	36	12.4	47	11.1	55	10.1	62	19.0	68	14.9	74	11.8																							80		
85	31	11.5	42	10.4	49	9.7	60	18.1	67	14.4	72	11.5																							85		
90	25	10.7	36	10.0			59	17.4	65	13.9	70	11.1																							90		
95							57	16.9	63	13.4	68	10.9																							95		
100							55	16.3	61	12.8	66	10.7																							100		
110							51	15.1	57	12.0	61	10.2																							110		
120							46	13.9	52	11.3	56	9.9																							120		
130							41	12.7	47	10.6	51	9.5																							130		
140							35	11.7	41	10.1																									140		
150							29	10.8	34	9.7																									150		
160							21	9.9	26	9.4																									160		
170																																				170	
180																																				180	
190																																				190	
200																																				200	
210																																				210	
220																																				220	
230																																				230	
240																																				240	
250																																				250	
260																																				260	
270																																				270	
280																																				280	
Telescoping sequence %																																					
Tel. 1		0								92								92																	Tel. 1		
Tel. 2		0								92								92																	Tel. 2		
Tel. 3		0								46								92																	Tel. 3		
Tel. 4		0								0								92																	Tel. 4		
Tel. 5		0								0								92																	Tel. 5		
Tel. 6		0								0								92																	Tel. 6		

Counterweight 156,527 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 82.7 ft																																				Working Radius (ft)	
		On outriggers, 360° working area																																					
		Outrigger base 27.23 ft																																					
		Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft																			
Fly jib 82.7 ft offset						Fly jib 82.7 ft offset						Fly jib 82.7 ft offset						Fly jib 82.7 ft offset																					
		0°	10°	20°	40°				0°	10°	20°	40°				0°	10°	20°	40°				0°	10°	20°	40°				0°	10°	20°	40°						
* L	°	* L	°	* L	°		* L	°	* L	°	* L	°		* L	°	* L	°	* L	°		* L	°	* L	°	* L	°		* L	°	* L	°	* L	°						
10																																			10				
12																																			12				
14	80	22.9																																	14				
16	80	22.9																																	16				
18	79	22.9																																	18				
20	78	22.9																																	20				
25	76	22.9																																	25				
30	74	21.9																																	30				
35	71	20.2																																	35				
40	69	18.8																																	40				
45	66	17.4																																	45				
50	64	16.2																																	50				
55	62	15.1	75	12.9																															55				
60	59	14.2	72	12.2																															60				
65	56	13.3	69	11.1																															65				
70	54	12.5	66	10.4																															70				
75	51	11.6	63	9.8																															75				
80	48	10.6	60	9.1																															80				
85	45	10.0	57	8.6	68	7.7																													85				
90	41	9.3	53	8.1	64	7.4																													90				
95	38	8.6	50	7.7	60	7.1																													95				
100	34	8.0	46	7.4	55	6.8																													100				
110	24	7.2	36	6.7	45	6.4																													110				
120																																				120			
130																																				130			
140																																				140			
150																																				150			
160																																				160			
170																																				170			
180																																				180			
190																																				190			
200																																				200			
210																																				210			
220																																				220			
230																																				230			
240																																				240			
250																																				250			
260																																				260			
270																																				270			
280																																				280			
Telescoping sequence %																																							
Tel. 1	0																																		100				
Tel. 2	0																																		100				
Tel. 3	0																																		100				
Tel. 4	0																																		100				
Tel. 5	0																																		100				
Tel. 6	0																																		100				

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib: 102.4 ft
On outriggers, 360° working area

Counterweight 156.527 lbs

28

Counterweight 103,616 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.7 ft On outriggers, 360° working area Outrigger base 27.23 ft																						Working Radius (ft)			
Working Radius (ft)	Boom length 43.3 ft					Boom length 43.3 ft to 111.9 ft					Boom length 43.3 ft to 208.0 ft					Boom length 43.3 ft to 223.1 ft					Working Radius (ft)				
	Fly jib 17.7 ft offset					Fly jib 17.7 ft offset					Fly jib 17.7 ft offset					Fly jib 17.7 ft offset									
	0°	20°	40°	60°	80°	0°	20°	40°	60°	80°	0°	20°	40°	60°	80°	0°	20°	40°	60°	80°					
10	76	104.2																			10				
12	74	97.5	79	66.3																	12				
14	72	91.6	77	63.8																	14				
16	70	86.4	75	61.3																	16				
18	68	81.9	73	59.2	78	48.1															18				
20	66	77.7	71	57.3	76	47.0	80	85.3													20				
25	61	69.2	66	53.2	70	44.8	78	85.3													25				
30	55	62.3	60	49.8	63	43.1	76	85.2	78	60.8	80	47.3									30				
35	49	56.7	54	47.0	57	41.7	74	81.7	76	58.5	78	46.3									35				
40	42	51.6	47	44.0	50	40.2	72	75.4	74	56.2	76	45.3									40				
45	34	46.6	39	41.3			69	69.6	71	54.4	73	44.5									45				
50	22	42.1					67	64.8	69	52.6	71	43.6	79	23.2			80	20.3			50				
55							65	58.4	67	51.1	68	42.9	78	22.3	79	20.7	80	19.9	79	20.0	80	19.1	55		
60							62	50.8	64	49.1	66	42.2	77	21.4	78	19.9	79	19.3	78	19.5	79	18.4	80	17.7	60
65							59	44.0	61	45.2	63	41.7	75	20.6	76	19.3	78	18.6	76	18.8	78	17.7	79	17.1	65
70							57	38.5	59	39.9	60	39.5	74	19.9	75	18.6	77	18.1	75	18.2	77	17.2	78	16.5	70
75							54	33.8	56	35.7	57	36.6	73	19.2	74	18.0	75	17.5	75	17.6	76	16.7	77	16.0	75
80							51	29.8	53	32.6	54	33.5	72	18.6	73	17.5	74	16.8	74	17.1	75	16.2	76	15.6	80
85							48	26.2	50	29.7	51	30.6	70	17.9	72	17.0	73	16.3	72	16.6	73	15.7	74	15.2	85
90							45	24.1	47	26.4	48	27.1	69	17.4	71	16.7	72	16.0	71	16.1	72	15.3	73	14.9	90
95							42	22.2	44	23.4	45	23.9	68	16.9	69	16.2	70	15.7	70	15.6	71	14.9	72	14.6	95
100							38	20.2	40	20.9	41	20.9	67	16.4	68	15.8	69	15.3	69	15.1	70	14.4	71	14.2	100
110							29	15.8	31	16.2			64	15.5	65	14.9	66	14.7	66	14.2	67	13.8	68	13.6	110
120							16	12.4					61	14.6	62	14.2	63	14.0	64	13.5	65	13.1	66	12.9	120
130													58	13.6	59	13.5	60	13.3	61	12.9	62	12.4	63	12.2	130
140													55	11.2	56	11.5	57	11.8	58	11.2	59	11.6	60	11.5	140
150													52	9.1	53	9.4	53	9.8	56	9.3	57	10.1	57	10.1	150
160													48	7.3	49	7.6	50	7.8	53	7.5	54	8.1	54	8.2	160
170													44	5.6	45	6.3	46	6.3	49	5.8	50	6.3	51	6.5	170
180													40	4.4	41	4.8			46	4.6	47	4.9	47	5.0	180
190																			42	3.5	43	3.6	44	3.5	190
200																									200
210																									210
220																									220
230																									230
Telescoping sequence %																									
Tel. 1	0						92					92					100							Tel. 1	
Tel. 2	0						92					92					100							Tel. 2	
Tel. 3	0						46					92					100							Tel. 3	
Tel. 4	0						0					92					100							Tel. 4	
Tel. 5	0						0					92					100							Tel. 5	
Tel. 6	0						0					92					100							Tel. 6	

Counterweight 103,616 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft On outriggers, 360° working area Outrigger base 27.23 ft																					Working Radius (ft)				
Working Radius (ft)	Boom length 43.3 ft					Boom length 43.3 ft to 111.9 ft					Boom length 43.3 ft to 208.0 ft					Boom length 43.3 ft to 223.1 ft					Working Radius (ft)				
	Fly jib 43.3 ft offset					Fly jib 43.3 ft offset					Fly jib 43.3 ft offset					Fly jib 43.3 ft offset									
	0°	20°	40°			0°	20°	40°			0°	20°	40°			0°	20°	40°							
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		°			
10	79	39.7																			10				
12	77	39.7																			12				
14	75	39.0																			14				
16	74	37.2																			16				
18	73	35.4																			18				
20	72	33.7				81	39.3														20				
25	69	30.4	78	24.5		79	36.8														25				
30	65	27.6	75	22.5		77	34.6														30				
35	62	25.2	71	21.0		75	32.4														35				
40	58	23.2	67	19.7	75	73	30.7	79	22.4												40				
45	54	21.5	63	18.5	71	16.5	71	29.0	77	21.4											45				
50	49	20.1	59	17.6	66	15.9	70	27.4	75	20.5			80	15.0							50				
55	45	18.8	54	16.8	61	15.4	68	26.1	73	19.7	77	16.5	78	15.0			80	13.0			55				
60	40	17.7	49	16.0	56	15.0	66	24.9	71	19.1	76	16.0	77	15.0				79	13.0		60				
65	35	16.7	44	15.3	50	14.8	64	23.7	69	18.4	73	15.7	76	15.0	80	14.8		77	13.0	80	13.0	65			
70	28	15.9	37	14.9			62	22.7	67	17.9	71	15.4	75	15.0	79	14.3		76	13.0	79	13.0	70			
75	21	15.3	30	14.6			60	21.8	65	17.4	69	15.1	75	15.0	78	13.9		76	13.0	79	12.9	75			
80							57	21.0	62	16.9	66	14.9	74	14.9	77	13.6	79	12.5	75	13.0	76	12.7	80		
85							55	20.1	60	16.6	64	14.6	72	14.8	75	13.2	78	12.1	74	13.0	77	12.4	79	11.5	85
90							53	19.4	58	16.1	62	14.4	71	14.3	74	12.9	77	12.0	73	13.0	76	12.0	78	11.1	90
95							51	18.8	56	15.7	60	14.2	70	13.9	73	12.6	76	11.7	72	12.8	75	11.7	77	10.9	95
100							48	18.1	53	15.3	56	14.1	69	13.5	72	12.2	75	11.4	71	12.5	74	11.4	76	10.7	100
110							43	16.9	48	14.8	51	13.9	66	12.7	69	11.6	72	10.9	68	11.8	71	10.7	73	10.2	110
120							38	15.7	42	14.3	45	13.9	64	12.1	67	11.0	69	10.5	67	11.3	69	10.2	71	9.8	120
130							31	12.9	35	13.8			62	11.5	64	10.4	67	10.0	64	10.7	67	9.7	69	9.3	130
140							21	10.5					59	11.0	62	10.1	64	9.6	62	10.1	65	9.4	67	9.0	140
150													57	10.2	60	9.7	61	9.3	60	9.6	63	9.1	64	8.6	150
160													54	9.1	57	9.2	58	9.0	57	8.8	60	8.6	61	8.3	160
170													51	7.4	54	8.2	55	8.8	55	7.2	57	8.0	59	8.2	170
180													48	6.0	51	6.9	52	7.4	52	5.8	54	6.7	56	7.2	180
190													45	4.8	48	5.6	48	6.0	49	4.6	52	5.3	53	5.9	190
200													41	3.6	44	4.3	44	4.6	46	3.4	49	4.0	49	4.5	200
210																									210
220																									220
230																									230
Telescoping sequence %																									
Tel. 1	0						92						92								100			Tel.	
Tel. 2	0						92						92								100			Tel.	
Tel. 3	0						46						92								100			Tel.	
Tel. 4	0						0						92								100			Tel.	
Tel. 5	0						0						92								100			Tel.	
Tel. 6	0						0						92								100			Tel.	

Lifting capacities in 1,000 lbs according per SAE J2765 on fly jib 82.7 ft													Working Radius (ft)
Working Radius (ft)	Outrigger base 27.23 ft												Working Radius (ft)
	Boom length 43.3 ft			Boom length 43.3 ft to 111.9 ft			Boom length 43.3 ft to 208.0 ft			Boom length 43.3 ft to 223.1 ft			
	Fly jib 82.7 ft offset			Fly jib 82.7 ft offset			Fly jib 82.7 ft offset			Fly jib 82.7 ft offset			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10													10
12													12
14	80	22.9											14
16	80	22.9											16
18	79	22.9											18
20	78	22.9											20
25	76	22.9											25
30	74	21.9											30
35	71	20.2											35
40	69	18.6											40
45	66	17.4											45
50	64	16.2											50
55	62	15.1											55
60	59	14.2	75	12.9									60
65	56	13.3	69	11.1									65
70	54	12.5	66	10.4									70
75	51	11.6	63	9.8									75
80	48	10.6	60	9.1									80
85	45	10.0	57	8.6	68	7.7							85
90	41	9.3	53	8.1	64	7.4							90
95	38	8.6	50	7.7	60	7.1							95
100	34	8.0	46	7.4	55	6.8							100
110	28	7.2	36	6.7	45	6.4							110
120													120
130													130
140													140
150													150
160													160
170													170
180													180
190													190
200													200
210													210
220													220
230													230
240													240
250													250
260													260
270													270
280													280

Telescoping sequence %												
Tel. 1	0			92			92				100	
Tel. 2	0			92			92				100	
Tel. 3	0			46			92				100	
Tel. 4	0			0			92				100	
Tel. 5	0			0			92				100	

Lifting capacities in 1.000 lbs according per SAE J265 on fly jib 122.0 ft													Working Radius (ft)
On outriggers, 360° working area													
Outrigger base 27.23 ft													
Working Radius (ft)	Boom length 43.3 ft			Boom length 43.3 ft to 111.9 ft			Boom length 43.3 ft to 208.0 ft			Boom length 43.3 ft to 223.1 ft			
	Fly jib 122.0 ft offset			Fly jib 122.0 ft offset			Fly jib 122.0 ft offset			Fly jib 122.0 ft offset			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
°	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	
10													
12													
14													
16													
18													
20	81	10.1											
25	79	10.1											
30	78	10.1											
35	76	10.1											
40	74	10.1											
45	72	10.1											
50	71	10.0											
55	69	9.7											
60	68	9.2											
65	66	8.9											
70	64	8.4											
75	62	8.0											
80	60	7.6	74	6.7									
85	58	7.3	72	6.4									
90	56	7.0	71	5.9									
95	54	6.5	69	5.5									
100	52	6.0	66	5.2									
110	47	5.2	62	4.7									
120	42	4.6	56	4.1	69	3.7							
130	37	4.1	51	3.8	62	3.3							
140	29	3.5	43	3.5	54	3.2							
150	19	3.1	31	3.1	45	3.0							
160													
170													
180													
190													
200													
210													
220													
230													
240													
250													
260													
270													
280													

Telescoping sequence %				
Tel. 1	0	92	92	100
Tel. 2	0	92	92	100
Tel. 3	0	46	92	100
Tel. 4	0	0	92	100
Tel. 5	0	0	92	100
Tel. 6	0	0	92	100

Counterweight 77,161 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.7 ft																										
On outriggers, 360° working area																										
Outrigger base 27.23 ft																										
Working Radius (ft)	Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 206.0 ft						Boom length 43.3 ft to 223.1 ft						Working Radius (ft)	
	Fly jib 17.7 ft offset						Fly jib 17.7 ft offset						Fly jib 17.7 ft offset						Fly jib 17.7 ft offset							
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°								
10	76	104.2																								10
12	74	97.5	79	66.3																						12
14	72	91.6	77	63.8																						14
16	70	86.4	75	61.3																						16
18	68	81.9	73	59.2	78	48.1																				18
20	66	77.7	71	57.3	76	47.0	80	85.3																		20
25	61	69.2	66	53.2	70	44.8	78	85.3																		25
30	55	62.3	60	49.8	63	43.1	76	85.2	78	60.8	80	47.3														30
35	49	56.7	54	47.0	57	41.7	74	81.7	76	58.5	78	46.3														35
40	42	51.6	47	44.0	50	40.2	72	74.9	74	56.2	76	45.3														40
45	34	46.6	39	41.3			69	66.0	71	54.4	73	44.5														45
50	22	42.1					67	56.3	69	52.6	71	43.6	79	23.2						80	20.3					50
55							65	47.6	67	48.5	68	42.9	78	22.3	79	20.7	80	19.9	79	20.0	80	19.1				55
60							62	40.3	64	42.1	66	41.5	77	21.4	78	19.9	79	19.3	78	19.5	79	18.4	80	17.7		60
65							59	34.5	61	36.2	63	37.1	75	20.6	76	19.3	78	18.6	76	18.8	78	17.7	79	17.1		65
70							57	29.8	59	31.4	60	32.2	74	19.9	75	18.6	77	18.1	75	18.2	77	17.2	78	16.5		70
75							54	25.8	56	27.1	57	28.4	73	19.2	74	18.0	75	17.5	75	17.6	76	16.7	77	16.0		75
80							51	22.4	53	23.4	54	25.5	72	18.6	73	17.5	74	16.8	74	17.1	75	16.2	76	15.6		80
85							48	19.4	50	20.3	51	22.4	70	17.9	72	17.0	73	16.3	72	16.6	73	15.7	74	15.2		85
90							45	16.8	47	18.3	48	19.7	69	17.4	71	16.7	72	16.0	71	16.1	72	15.3	73	14.9		90
95							42	14.8	44	16.4	45	17.2	68	16.9	69	16.2	70	15.7	70	15.6	71	14.9	72	14.6		95
100							38	13.2	40	14.4	41	14.6	67	16.4	68	15.8	69	15.3	69	15.1	70	14.4	71	14.2		100
110							29	10.2	31	10.5			64	14.5	65	14.9	66	14.7	66	14.2	67	13.8	68	13.6		110
120							16	7.1					61	11.6	62	12.3	63	12.9	64	11.8	65	12.5	66	12.6		120
130													58	8.9	59	9.6	60	9.9	61	9.3	62	10.0	63	10.3		130
140													55	6.7	56	7.3	57	7.7	58	7.3	59	7.8	60	8.0		140
150													52	4.9	53	5.4	53	5.8	56	5.4	57	5.8	57	6.0		150
160													48	3.4	49	3.8	50	3.9	53	3.8	54	3.9	54	4.2		160
170																										170
180																										180
190																										190
200																										200
210																										210
220																										220
230																										230
Telescoping sequence %																										
Tel. 1		0					92						92						100							Tel. 1
Tel. 2		0					92						92						100							Tel. 2
Tel. 3		0					46						92						100							Tel. 3
Tel. 4		0					0						92						100							Tel. 4
Tel. 5		0					0						92						100							Tel. 5
Tel. 6		0					0						92						100							Tel. 6

Counterweight 77,161 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft																														Working Radius (ft)	
		On outriggers, 360° working area																															
		Outrigger base 27.23 ft																															
		Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft													
		Fly jib 43.3 ft offset						Fly jib 43.3 ft offset						Fly jib 43.3 ft offset						Fly jib 43.3 ft offset													
		0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°			
		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
10	79	39.7																												10			
12	77	39.7																												12			
14	75	39.0																												14			
16	74	37.2																												16			
18	73	35.4																												18			
20	72	33.7						81	39.3																					20			
25	69	30.4	78	24.5				79	36.8																					25			
30	65	27.6	75	22.5				77	34.6																					30			
35	62	25.2	71	21.0				75	32.4																					35			
40	58	23.2	67	19.7	75	17.3	74	30.7	79	22.4																				40			
45	54	21.5	63	18.5	71	16.5	71	29.0	77	21.4				80	15.0															45			
50	49	20.1	59	17.6	66	15.9	70	27.4	75	20.5				79	15.0					80	13.0									50			
55	45	18.8	54	16.8	61	15.4	68	26.1	73	19.7	77	16.5	78	15.0						79	13.0									55			
60	40	17.7	49	16.0	56	15.0	66	24.9	71	19.1	76	16.0	77	15.0						78	13.0									60			
65	35	16.7	44	15.3	50	14.8	64	23.7	69	18.4	73	15.7	76	15.0	80	14.8				77	13.0	80	13.0						65				
70	28	15.5	37	14.9			62	22.7	67	17.9	71	15.4	75	15.0	79	14.3				76	13.0	79	13.0						70				
75	21	15.3	30	14.6			60	21.8	65	17.4	69	15.1	75	15.0	78	13.9				76	13.0	79	12.9						75				
80							57	21.0	62	16.9	66	14.9	74	14.9	77	13.6			79	12.5	75	13.0	76	12.7	80	11.8			80				
85							55	20.1	60	16.6	64	14.6	72	14.8	75	13.2			78	12.1	74	13.0	77	12.4	79	11.5			85				
90							53	19.4	58	16.1	62	14.4	71	14.3	74	12.9			77	12.0	73	13.0	76	12.0	78	11.1			90				
95							51	18.8	56	15.7	59	14.2	70	13.9	73	12.6			76	11.7	72	12.8	75	11.7	77	10.9			95				
100							48	17.6	53	15.3	56	14.1	69	13.5	72	12.7			75	11.4	71	12.5	74	11.4	76	10.7			100				
110							43	13.6	48	14.8	51	13.9	66	12.7	69	11.6			72	10.9	68	11.8	71	10.7	73	10.2			110				
120							38	10.7	42	12.0	45	13.3	64	12.1	67	11.0			69	10.5	67	11.3	69	10.2	71	9.6			120				
130							31	8.0	35	9.1			62	10.8	64	10.4			67	10.0	64	10.5	67	9.7	69	9.3			130				
140							21	5.9					59	8.7	62	9.6			64	9.6	62	8.4	65	9.3	67	9.0			140				
150													57	6.8	60	8.2			61	8.6	60	6.5	63	8.0	64	8.2			150				
160													54	5.2	57	6.4			58	7.1	57	4.9	60	6.2	61	7.1			160				
170													51	3.8	54	4.7			55	5.4	55	3.4	57	4.7	59	5.4			170				
180													51	3.4	52						3.9		54	3.4	56	3.9			180				
190																													190				
200																													200				
210																													210				
220																													220				
230																													230				
Telescoping sequence %																																	
Tel. 1	0							92						92											100				Tel.				
Tel. 2	0							96						92											100				Tel.				
Tel. 3	0							42						92											100				Tel.				
Tel. 4	0							0						92											100				Tel.				
Tel. 5	0							0						92											100				Tel.				
Tel. 6	0							0						92											100				Tel.				

Counterweight 77,161 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 63.0 ft																												
On outriggers, 360° working area																												
Outrigger base 27.23 ft																												
Working Radius (ft)	Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft						Working Radius (ft)			
	Fly jib 63.0 ft offset						Fly jib 63.0 ft offset						Fly jib 63.0 ft offset						Fly jib 63.0 ft offset									
	0°	0°	20°	40°	0°	0°	20°	40°	0°	0°	20°	40°	0°	0°	20°	40°	0°	0°	20°	40°								
	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
10																											10	
12	80	35.1																									12	
14	78	34.3																									14	
16	77	33.3																									16	
18	77	32.3																									18	
20	76	31.4																									20	
25	73	29.2						80	28.9																		25	
30	70	27.1						79	28.8																		30	
35	68	24.9						77	28.0																		35	
40	65	22.9	76	10.8				76	27.0																		40	
45	62	21.3	73	17.6				74	25.8																		45	
50	59	19.9	70	16.3				73	24.6																		50	
55	55	18.4	66	15.1	76	12.7		71	23.5	77	17.7																55	
60	51	16.9	63	14.1	73	12.0		69	22.5	76	17.1																60	
65	48	15.6	59	13.1	69	11.5		67	21.5	74	16.4	80	12.8	77	11.5												65	
70	45	14.4	56	12.4	65	11.0		66	20.5	73	15.9	78	12.5	76	11.5												70	
75	40	13.3	51	11.7	60	10.5		64	19.7	71	15.4	76	12.2	76	11.5	80	11.4										75	
80	36	12.4	47	11.1	55	10.1		62	19.0	69	14.9	74	11.8	75	11.2												80	
85	31	11.5	42	10.4	49	9.7		60	18.1	67	14.4	72	11.5	74	11.5	78	10.8										85	
90	25	10.7	36	10.0				59	17.4	65	13.9	70	11.1	73	11.5	77	10.5										90	
95								57	16.9	63	13.4	68	10.9	72	11.5	76	10.2										95	
100								55	16.3	61	12.8	66	10.7	71	11.4	75	9.9	79	9.2								100	
110								51	15.0	57	12.0	61	10.2	69	10.7	73	9.5	76	8.7	70	10.0	74	8.9	77	8.2		110	
120								46	12.1	52	11.3	56	9.9	67	10.1	71	9.0	74	8.3	69	9.4	73	8.5	76	7.9		120	
130								41	9.6	47	10.6	51	9.5	64	9.6	68	8.6	71	8.0	66	8.9	70	8.0	73	7.5		130	
140								35	7.5	41	8.8			62	8.6	66	8.3	69	7.6	65	8.5	69	7.6	71	7.2		140	
150								29	5.7	34	6.8			60	7.3	64	8.0	67	7.4	63	7.4	67	7.3	69	7.0		150	
160								21	4.0	26	4.8			57	5.8	61	7.3	64	7.2	60	5.8	64	6.8	66	6.7		160	
170														55	4.3	59	5.6	61	6.9	58	4.3	62	5.8	64	6.4		170	
180														53	2.8	56	4.4	58	5.3			59	4.5	62	5.3		180	
190															53	3.2	55	3.8					57	3.1	59	4.0		190
200																								56	2.7		200	
210																											210	
220																											220	
230																											230	
Telescoping sequence %																												
Tel. 1		0						92						92					100								Tel. 1	
Tel. 2		0						92						92					100								Tel. 2	
Tel. 3		0						46						92					100								Tel. 3	
Tel. 4		0						0						92					100								Tel. 4	
Tel. 5		0						0						92					100								Tel. 5	
Tel. 6		0						0						92					100								Tel. 6	

Counterweight 77,161 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 82.7 ft																								Working Radius (ft)			
		On outriggers, 360° working area																											
		Outrigger base 27.23 ft																											
		Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft									
		Fly jib 82.7 ft offset						Fly jib 82.7 ft offset						Fly jib 82.7 ft offset						Fly jib 82.7 ft offset									
0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°	
L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W
10																													10
12																													12
14	80	22.9																											14
16	80	22.9																											16
18	79	22.9																											18
20	78	22.9																											20
25	76	22.9																											25
30	74	21.9						80	19.6																				30
35	71	20.2						78	19.6																				35
40	69	18.8						77	19.6																				40
45	66	17.4						76	19.4																				45
50	64	16.2						75	18.9																				50
55	62	15.1	75	12.9				73	18.1				80	8.8															55
60	59	14.2	72	12.2				72	17.3				79	8.8															60
65	56	13.3	69	11.1				70	16.6	78	12.6			78	8.8					79	7.9								65
70	54	12.5	66	10.4				69	15.9	77	12.1			77	8.8					78	7.9								70
75	51	11.6	63	9.8				67	15.3	75	11.7			77	8.8					78	7.9								75
80	48	10.6	60	9.1				66	14.6	74	11.4			76	8.8					77	7.9								80
85	45	10.0	57	8.6	68	7.7		64	13.9	72	11.0			75	8.8	81	8.8			76	7.9								85
90	41	9.3	53	8.1	64	7.4		63	13.4	71	10.7			74	8.8	80	8.7			75	7.9								90
95	38	8.6	50	7.7	60	7.1		61	12.9	69	10.4	75	8.3	74	8.8	79	8.5			75	7.9								95
100	34	8.0	46	7.4	55	6.8		59	12.5	67	10.0	73	8.1	73	8.8	78	8.3			74	7.9								100
110	24	7.2	36	6.7	45	6.4		55	11.6	63	9.4	69	7.5	70	8.8	76	7.8	81	7.1										110
120								52	10.9	59	8.7	65	7.2	69	8.5	74	7.4	78	6.8	71	7.9	7.6	7.0	79	6.6	120			
130								48	10.0	56	8.0	61	6.9	67	8.2	72	7.1	76	6.6	69	7.5	73	6.7	77	6.2	130			
140								44	8.6	51	7.6	56	6.7	65	7.7	70	6.8	74	6.3	67	7.2	72	6.3	75	5.9	140			
150								39	7.0	46	7.2	51	6.5	63	7.2	68	6.4	72	6.1	65	6.8	70	6.1	73	5.6	150			
160								34	5.4	41	6.5	44	6.4	60	6.5	65	6.1	69	5.9	63	6.0	68	5.9	71	5.5	160			
170								28	4.0	34	4.9			58	4.9	63	6.0	66	5.5	61	4.5	66	5.5	69	5.3	170			
180														56	3.6	61	5.2	64	5.4	59	3.3	64	4.9	67	5.1	180			
190																59	4.1	61	4.9										190
200																56	2.9	58	4.0										200
210																		55	2.9										210
220																													220
230																													230
Telescoping sequence %																													
Tel. 1	0							92						92						100									Tel. 1
Tel. 2	0							92						92						100									Tel. 2
Tel. 3	0							46						92						100									Tel. 3
Tel. 4	0							0						92						100									Tel. 4
Tel. 5	0							0						92						100									Tel. 5
Tel. 6	0							0						92						100									Tel. 6

Counterweight 77,161 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 102.4 ft																Working Radius (ft)	
On outriggers, 360° working area																	
Outrigger base 27.23 ft																	
Boom length 43.3 ft				Boom length 43.3 ft to 111.9 ft				Boom length 43.3 ft to 208.0 ft				Boom length 43.3 ft to 223.1 ft					
Working Radius (ft)	Fly jib 102.4 ft offset				Fly jib 102.4 ft offset				Fly jib 102.4 ft offset				Fly jib 102.4 ft offset				Working Radius (ft)
	0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°		
	L	L	L		L	L	L		L	L	L		L	L	L		
10																10	
12																12	
14																14	
16																16	
18	81	14.1														18	
20	80	14.1														20	
25	77	14.1														25	
30	76	14.1														30	
35	74	14.1														35	
40	72	14.1														40	
45	70	13.9														45	
50	68	13.2														50	
55	66	12.4														55	
60	64	11.8														60	
65	62	11.1														65	
70	60	10.4														70	
75	58	9.9	71	8.3												75	
80	55	9.3	68	7.8												80	
85	52	8.4	66	7.3												85	
90	50	7.9	63	6.8												90	
95	48	7.4	61	6.4												95	
100	45	6.9	58	6.1												100	
110	39	6.1	52	5.4	63	5.0										110	
120	32	5.4	45	5.0	55	4.6										120	
130	22	4.7	35	4.5	44	4.2										130	
140																140	
150																150	
160																160	
170																170	
180																180	
190																190	
200																200	
210																210	
220																220	
230																230	
Telescoping sequence %																	
Tel. 1		0			92			92			100					Tel. 1	
Tel. 2		0			92			92			100					Tel. 2	
Tel. 3		0			46			92			100					Tel. 3	
Tel. 4		0			0			92			100					Tel. 4	
Tel. 5		0			0			92			100					Tel. 5	
Tel. 6		0			0			92			100					Tel. 6	

Counterweight 77,161 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 122.0 ft												Working Radius (ft)		
		On outriggers, 360° working area														
		Outrigger base 27.23 ft														
		Boom length 43.3 ft			Boom length 43.3 ft to 111.9 ft			Boom length 43.3 ft to 208.0 ft			Boom length 43.3 ft to 223.1 ft					
		Fly jib 122.0 ft offset			Fly jib 122.0 ft offset			Fly jib 122.0 ft offset			Fly jib 122.0 ft offset					
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
		L	L	L	L	L	L	L	L	L	L	L	L			
10														10		
12														12		
14														14		
16														16		
18														18		
20	81	10.1												20		
25	79	10.1												25		
30	78	10.1												30		
35	76	10.1												35		
40	74	10.1												40		
45	72	10.1												45		
50	71	10.0												50		
55	69	9.7												55		
60	68	9.2												60		
65	66	8.9												65		
70	64	8.4												70		
75	62	8.0												75		
80	60	7.6	74	6.7										80		
85	58	7.3	72	6.4										85		
90	56	7.0	71	5.9										90		
95	54	6.6	69	5.5										95		
100	52	6.0	66	5.2										100		
110	47	5.2	62	4.7										110		
120	42	4.6	56	4.1	69	3.7								120		
130	37	4.1	51	3.8	62	3.3	57	6.2	66	4.9	74	4.0		130		
140	29	3.5	43	3.5	54	3.2	54	5.9	63	4.6	71	3.7		140		
150	19	3.1	31	3.1	45	3.0	51	5.4	60	4.2	68	3.4	67	5.0	74	4.1
160														69	4.8	
170														68	4.5	
180														66	4.2	
190														65	3.4	
200														63	2.6	
210																
220																
230																
Telescoping sequence %																
Tel. 1		0			92			92			100			Tel. 1		
Tel. 2		0			92			92			100			Tel. 2		
Tel. 3		0			46			92			100			Tel. 3		
Tel. 4		0			0			92			100			Tel. 4		
Tel. 5		0			0			92			100			Tel. 5		
Tel. 6		0			0			92			100			Tel. 6		

Counterweight 51,808 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.7 ft																								Working Radius (ft)			
		On outriggers, 360° working area																											
		Outrigger base 27.23 ft																											
		Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft									
		Fly jib 17.7 ft offset						Fly jib 17.7 ft offset						Fly jib 17.7 ft offset						Fly jib 17.7 ft offset									
		0°	20°	40°	60°	80°	90°	0°	20°	40°	60°	80°	90°	0°	20°	40°	60°	80°	90°	0°	20°	40°	60°	80°	90°				
		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L			
10	76	104.2																									10		
12	74	97.5	79	66.3																								12	
14	72	91.6	77	63.8																								14	
16	70	86.4	75	61.3																								16	
18	68	81.9	73	59.2	78	48.1																						18	
20	66	77.7	71	57.3	76	47.0																						20	
25	61	69.2	66	53.2	70	44.8	80	85.3																				25	
30	55	62.3	60	49.8	63	43.1	76	84.7	78	60.8	80	47.3																30	
35	49	56.7	54	47.0	57	41.7	74	74.5	76	58.5	78	46.3																35	
40	42	51.6	47	44.0	50	40.2	72	62.0	74	56.1	76	45.3																40	
45	34	46.6	39	41.3			69	52.3	71	53.6	73	44.5																45	
50	22	42.1					67	45.7	69	48.3	71	43.6	79	23.2						80	20.3							50	
55							65	39.5	67	41.9	68	41.0	78	22.3	79	20.7	80	19.9	79	20.0	80	19.1						55	
60							62	33.1	64	35.1	66	36.4	77	21.4	78	19.9	79	19.3	78	19.5	79	18.4	80	17.7				60	
65							59	27.6	61	29.4	63	30.5	75	20.6	76	19.3	78	18.6	76	18.8	78	17.7	79	17.1				65	
70							57	23.2	59	24.7	60	25.8	74	19.9	75	18.6	77	18.1	75	18.2	77	17.2	78	16.5				70	
75							54	19.4	56	20.6	57	21.7	73	19.2	74	18.0	75	17.5	75	17.6	76	16.7	77	16.0				75	
80							51	16.0	53	17.2	54	18.2	72	18.6	73	17.5	74	16.8	74	17.1	75	16.2	76	15.6				80	
85							48	13.2	50	14.5	51	15.0	70	17.9	72	17.0	73	16.3	72	16.6	73	15.7	74	15.2				85	
90							45	11.0	47	12.0	48	12.4	69	15.8	71	16.3	72	16.0	71	15.7	72	15.3	73	14.9				90	
95							42	8.9	44	9.7	45	10.1	68	13.7	69	14.8	70	14.9	70	14.2	71	14.4	72	14.6				95	
100							38	7.0	40	7.7	41	7.9	67	11.8	68	12.9	69	13.3	69	12.2	70	13.0	71	13.7				100	
110							29	4.1	31	4.5			64	8.6	65	9.5	66	9.9	66	9.0	67	9.8	68	10.4				110	
120													61	6.1	62	6.6	63	7.1	64	6.4	65	7.1	65	7.8				120	
130													58	4.0	59	4.4	60	4.9	61	4.2	62	4.9	63	5.4				130	
140																												140	
150																												150	
160																												160	
170																												170	
180																												180	
190																												190	
200																												200	
210																												210	
220																												220	
230																												230	
Telescoping sequence %																													
Tel. 1	0							92					92															Tel. 1	
Tel. 2	0							92					92															Tel. 2	
Tel. 3	0							46					92															Tel. 3	
Tel. 4	0							0					92															Tel. 4	
Tel. 5	0							0					92															Tel. 5	
Tel. 6	0							0					92															Tel. 6	

Counterweight 51,808 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft																								Working Radius (ft)			
		On outriggers, 360° working area																											
		Outrigger base 27.23 ft																											
		Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft									
		Fly jib 43.3 ft offset						Fly jib 43.3 ft offset						Fly jib 43.3 ft offset						Fly jib 43.3 ft offset									
		0°	20°	40°	60°	80°	90°	0°	20°	40°	60°	80°	90°	0°	20°	40°	60°	80°	90°	0°	20°	40°	60°	80°	90°				
		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L			
10	79	39.7																									10		
12	77	39.7																									12		
14	75	39.0																									14		
16	74	37.2																									16		
18	73	35.4																									18		
20	72	33.7																									20		
25	69	30.4	78	24.5				81	39.3																		25		
30	65	27.6	75	22.5				77	34.6																		30		
35	62	25.2	71	21.0				75	32.4																		35		
40	58	23.2	67	19.7	75	17.3	74	30.7	79	22.4																	40		
45	54	21.5	63	18.5	71	16.5	71	29.0	77	21.4				80	15.0												45		
50	49	20.1	59	17.6	66	15.9	70	27.4	75	20.5				79	15.0					80	13.0						50		
55	45	18.5	54	16.8	61	15.4	68	26.1	73	19.7	77	16.5		78	15.0					79	13.0						55		
60	40	17.7	49	16.0	56	15.0	66	24.9	71	19.1	76	16.0	77	15.0						78	13.0						60		
65	35	16.7	44	15.3	53	14.8	64	23.7	69	18.4	73	15.7	76	15.0	80	14.8				77	13.0	80	13.0				65		
70	28	15.9	37	14.9			62	22.7	67	17.9	71	15.4	75	15.0	79	14.3				76	13.0	79	13.0				70		
80			30	14.6			60	21.6	65	17.4	69	15.1	75	15.0	78	13.9				76	13.0	79	12.9				80		
85							57	20.0	62	16.9	66	14.9	74	14.9	77	13.6			79	12.5							85		
90							55	17.1	60	16.6	64	14.6	72	14.8	75	13.2	78	12.1	74	13.0	77	12.4	79	11.5			90		
95							53	14.8	58	16.1	62	14.4	71	14.3	74	12.9	77	12.0	73	13.0	76	12.0	78	11.1	91		95		
100							51	12.6	56	14.8	59	14.2	70	13.9	73	12.6	76	11.7	72	12.8	75	11.7	77	10.9	95		100		
110							48	10.7	53	13.1	56	13.7	69	13.3	72	12.2	75	11.4	71	12.4	74	11.4	76	10.7	100		110		
120							43	7.5	48	9.6	51	10.5	66	10.6	69	11.6	72	10.9	68	10.4	71	10.7	73	10.2	110		120		
130							38	5.1	42	6.5	45	7.1	64	8.2	67	9.9	69	10.4	67	7.8	69	9.7	71	9.8	120		130		
140							31	3.1	35	4.0			62	5.8	64	7.6	67	8.8	64	5.6	67	7.3	69	8.4	130		140		
150													59	4.0	62	5.5	64	6.7	62	3.8	65	5.4	67	6.4	140		150		
160																										160			
170																											170		
180																											180		
190																											190		
200																											200		
210																											210		
220																											220		
230																											230		
Telescoping sequence %																													
Tel. 1	0							92						92													Tel. 1	0	
Tel. 2	0							92						92													Tel. 2	0	
Tel. 3	0							46						92													Tel. 3	0	
Tel. 4	0							0						92													Tel. 4	0	
Tel. 5	0							0						92													Tel. 5	0	
Tel. 6	0							0						92													Tel. 6	0	

Counterweight 51,808 lbs

Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 63.0 ft																										
On outriggers, 360° working area																										
Outrigger base 27.23 ft																										
Working Radius (ft)	Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft						Working Radius (ft)	
	Fly jib 63.0 ft offset						Fly jib 63.0 ft offset						Fly jib 63.0 ft offset						Fly jib 63.0 ft offset							
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°								
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
10																									10	
12	80	35.1																							12	
14	78	34.3																							14	
16	77	33.3																							16	
18	77	32.3																							18	
20	76	31.4																							20	
25	73	29.2						80	28.9																25	
30	70	27.1						79	28.8																30	
35	68	24.9						77	28.0																35	
40	65	22.9	76	18.8				76	27.0																40	
45	62	21.3	73	17.6				74	25.8																45	
50	59	19.9	70	16.3				73	24.6					80	11.5										50	
55	55	18.4	66	15.1	76	12.7	71	23.5	77	17.7				79	11.5					80	10.1				55	
60	51	16.9	63	14.1	73	12.0	69	22.5	76	17.1				78	11.5					79	10.1				60	
65	48	15.6	59	13.1	69	11.5	67	21.5	74	16.4	80	12.8	77	11.5						78	10.1				65	
70	45	14.4	56	12.4	65	11.0	66	20.5	73	15.9	78	12.5	76	11.5						77	10.1				70	
75	40	13.3	51	11.7	60	10.5	64	19.7	71	15.4	76	12.2	76	11.5	80	11.4				77	10.1				75	
80	36	12.4	47	11.1	55	10.1	62	19.0	69	14.9	74	11.8	75	11.5	79	11.2				76	10.1	80	10.1		80	
85	31	11.5	42	10.4	49	9.7	60	18.1	67	14.4	72	11.5	74	11.5	78	10.8				75	10.1	79	10.1		85	
90	25	10.7	36	10.0			59	16.2	65	13.9	70	11.1	73	11.5	77	10.5				74	10.1	78	9.8		90	
95							57	14.3	63	13.4	68	10.9	72	11.5	76	10.2				74	10.1	78	9.6		95	
100							55	12.4	61	12.8	66	10.7	71	11.4	75	9.9	79	9.2		73	10.1	77	9.4	80	8.5	100
110							51	9.2	57	11.7	61	10.2	69	10.7	73	9.5	76	8.7		70	10.0	74	8.9	77	8.2	110
120							46	6.6	52	9.0	56	9.7	67	8.6	71	9.0	74	8.3	69	8.8	73	8.5	76	7.9		120
130							41	4.6	47	6.5	51	7.8	64	6.4	68	8.3	71	8.0	66	6.6	70	8.0	73	7.5		130
140													62	4.7	66	6.5	69	7.5	65	4.8	69	6.8	71	7.2		140
150													60	3.0	64	4.9	67	6.2	63	2.9	67	5.2	69	6.2		150
160															61	3.4	64	4.5								160
170																	61	3.0								170
180																										180
190																										190
200																										200
210																										210
220																										220
230																										230
Telescoping sequence %																										
Tel. 1	0							92						92						100					Tel. 1	
Tel. 2	0							92						92						100					Tel. 2	
Tel. 3	0							46						92						100					Tel. 3	
Tel. 4	0							0						92						100					Tel. 4	
Tel. 5	0							0						92						100					Tel. 5	
Tel. 6	0							0						92						100					Tel. 6	

Counterweight 51,808 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 82.7 ft																								Working Radius (ft)							
		On outriggers, 360° working area																															
		Outrigger base 27.23 ft																															
		Boom length 43.3 ft						Boom length 43.3 ft to 111.9 ft						Boom length 43.3 ft to 208.0 ft						Boom length 43.3 ft to 223.1 ft													
		Fly jib 82.7 ft offset						Fly jib 82.7 ft offset						Fly jib 82.7 ft offset						Fly jib 82.7 ft offset													
		0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°			
		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
10																																10	
12																																12	
14	80	22.9																														14	
16	80	22.9																														16	
18	79	22.9																														18	
20	78	22.9																														20	
25	76	22.9																														25	
30	74	21.9						80	19.6																							30	
35	71	20.2						78	19.6																							35	
40	69	18.8						77	19.6																							40	
45	66	17.4						76	19.4																							45	
50	64	16.2						75	18.9																							50	
55	62	15.1	75	12.9				73	18.1					80	8.8																	55	
60	59	14.2	72	12.2				72	17.3					79	8.8																	60	
65	56	13.3	69	11.1				70	16.6	78	12.6			78	8.8					79	7.9											65	
70	54	12.5	66	10.4				69	15.9	77	12.1			77	8.8					78	7.9											70	
75	51	11.6	63	9.8				67	15.3	75	11.7			77	8.8					78	7.9											75	
80	48	10.6	60	9.1				66	14.6	74	11.4			76	8.8					77	7.9											80	
85	45	10.0	57	8.6	68	7.7		64	13.9	72	11.0			75	8.8	81	8.8			76	7.9											85	
90	41	9.3	53	8.1	64	7.4		63	13.4	71	10.7			74	8.8	80	8.7			75	7.9											90	
96	38	8.6	50	7.7	60	7.1	61	12.9	69	10.4		75	8.3	74	8.8	79	8.5			76	7.9											96	
100	34	8.0	46	7.4	55	6.8	59	12.5	67	10.0	73	8.1	73	8.8	78	8.3			74	7.9	80	7.9										100	
110	28	7.1	40	6.5	48	6.1	55	10.8	63	9.4	69	7.5	70	8.8	76	7.8	81	7.1	72	7.9	77	7.3										110	
120	24	7.2	36	6.7	45	6.4	52	8.3	59	8.7	65	7.2	69	8.5	74	7.4	78	6.6	71	7.9	76	7.0	77	6.6								120	
130							48	6.0	56	8.0	61	6.9	67	7.1	72	7.1	76	6.6	69	6.8	73	6.7	77	6.2								130	
140							44	4.1	51	6.3	56	6.7	65	5.4	70	6.8	74	6.3	67	5.0	72	6.3	75	5.9								140	
150									46	4.5	51	5.7			68	5.9	72	6.1	65	3.1	70	5.5	73	5.6								150	
160									41	2.6	44	4.0			65	4.5	69	5.7			68	4.3	71	5.3								160	
170															63	3.2					66	4.7										170	
180																	64	3.4														180	
190																																190	
200																																200	
210																																210	
220																																220	
230																																230	
		Telescoping sequence %																															
Tel. 1	0							92						92												100							
Tel. 2	0							92						92												100							
Tel. 3	0							46						92												100							
Tel. 4	0							0						92												100							
Tel. 5	0							0						92												100							
Tel. 6	0							0						92												100							

Counterweight 51,808 lbs

Boom length 43.3 ft		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 102.4 ft												Boom length 43.3 ft to 208.0 ft		Boom length 43.3 ft to 223.1 ft						Boom length 43.3 ft to 223.1 ft								
Fly jib 102.4 ft offset		Fly jib 102.4 ft offset						Fly jib 102.4 ft offset						Fly jib 102.4 ft offset						Fly jib 102.4 ft offset										
0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°		
L		L		L		L		L		L		L		L		L		L		L		L		L		L		L		
10																														
12																														
14																														
16																														
18	81	14.1																												
20	80	14.1																												
25	77	14.1																												
30	76	14.1																												
35	74	14.1																												
40	72	14.1																												
45	70	13.9																												
50	68	13.2																												
55	66	12.4																												
60	64	11.8																												
65	62	11.1																												
70	60	10.4																												
75	58	9.9	71	8.3																										
80	55	9.3	68	7.8																										
85	52	8.4	66	7.3																										
90	50	7.9	63	6.8																										
95	48	7.4	61	6.4																										
100	45	6.9	58	6.1																										
110	39	6.1	52	5.4	63	5.0																								
120	32	5.4	45	5.0	55	4.6																								
130	22	4.7	35	4.5	44	4.2																								
140																														
150																														
160																														
170																														
180																														
190																														
200																														
210																														
220																														
230																														
Telescoping sequence %																														
Tel. 1		0				92				92																				
Tel. 2		0				92				92																				
Tel. 3		0				46				92																				
Tel. 4		0				0				92																				
Tel. 5		0				0				92																				
Tel. 6		0				0				92																				

Counterweight 51,808 lbs

Working Radius (ft)		Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 122.0 ft																Working Radius (ft)	
		On outriggers, 360° working area																	
		Outrigger base 27.23 ft																	
		Boom length 43.3 ft				Boom length 43.3 ft to 111.9 ft				Boom length 43.3 ft to 208.0 ft				Boom length 43.3 ft to 223.1 ft					
		Fly jib 122.0 ft offset				Fly jib 122.0 ft offset				Fly jib 122.0 ft offset				Fly jib 122.0 ft offset					
		0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°			
		L	L	L		L	L	L		L	L	L		L	L	L			
10																		10	
12																		12	
14																		14	
16																		16	
18																		18	
20	81	10.1																20	
25	79	10.1																25	
30	78	10.1																30	
35	76	10.1																35	
40	74	10.1						80	9.0									40	
45	72	10.1						79	9.0									45	
50	71	10.0						78	9.0									50	
55	69	9.7						77	9.0									55	
60	68	9.2						76	9.0									60	
65	66	8.9						75	9.0									65	
70	64	8.4						73	9.0									70	
75	62	8.0						72	9.0									75	
80	60	7.6	74	6.7				71	8.8									80	
85	58	7.3	72	6.4				70	8.6									85	
90	56	7.0	71	5.9				69	8.4									90	
95	54	6.5	69	5.5				68	8.1									95	
100	52	6.0	66	5.2				67	7.7									100	
110	47	5.2	62	4.7				66	7.4	76	6.1							110	
120	42	4.6	56	4.1	69	3.7		62	7.1	72	5.8							120	
130	37	4.1	51	3.8	62	3.3	57	6.2	66	4.9	74	4.0						130	
140	29	3.5	43	3.5	54	3.2	54	5.4	63	4.6	71	3.7						140	
150	19	3.1	31	3.1	45	3.0	51	4.2	60	4.2	68	3.4						150	
160								48	2.7	57	3.9	64	3.3					160	
170										53	3.8	60	3.1					170	
180												56	3.1					180	
190																		190	
200																		200	
210																		210	
220																		220	
230																		230	
Telescoping sequence %																			
Tel. 1		0				92				92				100				Tel. 1	
Tel. 2		0				92				92				100				Tel. 2	
Tel. 3		0				46				92				100				Tel. 3	
Tel. 4		0				0				92				100				Tel. 4	
Tel. 5		0				0				92				100				Tel. 5	
Tel. 6		0				0				92				100				Tel. 6	

Counterweight 77,161 lbs

[illegible]

Counterweight 77,161 lbs

[illegible]

WARNING AND OPERATING INSTRUCTIONS FOR LIFTING CAPACITIES ATF220G-5

GENERAL

1. Total rated loads shown on the TADANO LOAD RATING CHART apply only to the machine as originally manufactured and normally equipped by TADANO. 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 the information in the **Operation and Maintenance Manual** supplied with the machine. 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 applicable American National Standards Institute (ANSI) safety standards for cranes.

SET UP

1. Total rated loads shown on the TADANO LOAD RATING CHART are the maximum allowable crane capacities. They 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 load to a larger _ surface.
2. For on outrigger operation, outriggers shall be extended to the dimension according to the TADANO LOAD RATING CHART and secured by pins with tires free of supporting surface, before operating crane.

OPERATION

1. Total rated loads with outriggers fully extended do not exceed 85% of the tipping loads. Total rated loads with outriggers half extended are determined by this formula:
total rated load = (tipping load - 0.1 tip reaction) / 1.25.
2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2 and with F.E.M. regulations.
3. Total rated loads include the weight of the main hook block, auxiliary hook block, sling and other auxiliary lifting devices and all their weight shall be subtracted from the listed capacities to obtain the net load to be lifted.

Hookball / Hookblock (ton)	11.0	27.6		69.5				88.2		137.8				
No. of parts of line	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Max. lifting capacity (ton)	10.4	20.8	27.6	38.7	47.8	56.9	65.4	74.3	82.3	88.2	104.2	113.1	120.7	129.3
Weight (lb)	661	992		1,874				2,535		2,976				

4. Total rated loads 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 the boom or jib is extremely dangerous.
5. Total rated loads do not account for wind on lifted load or boom. Total rated loads and boom length shall be appropriately reduced, when wind velocity is above 18 mph (26 ft/sec.) for boom operation, and above 11 mph (16ft/sec.) for jib operation.
6. Total rated loads at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
7. Do not operate at boom lengths beyond radius or boom angles where no capacities are shown. Crane may overturn without any load on the hook.
8. Slew of the superstructure is admissible only when the crane is supported on half or fully extended outriggers.
9. The lifting capacity ratings specified in the TADANO load rating chart apply to the telescopic boom without fly jib fixed in transport position or working position. If the fly jib is secured to the telescopic boom in transport position or working position, the lifting capacities of the telescopic boom are reduced by the values specified below. The weight of the fly jib is detected in terms of a load, and the load moment limiter will shut off earlier.

Jib status	Load rating reduction (tons)													
	Boom length (ft)													
17.7ft/43.3ft fly jib, mounted in transport position	43.3	57.1	79.9	98.4	126	153.2	180.4	194.2	223.1					
17.7ft fly jib, mounted to the boom head	0.50	0.32	0.23	0.15	0.11	0.10	0.09	0.08	0.07					
43.3ft fly jib, mounted to the boom head	3.00	2.49	2.19	1.84	1.35	1.10	1.04	1.01	1.00					
63.0ft fly jib, mounted to the boom head	6.31	5.10	4.38	3.52	2.32	1.75	1.58	1.54	1.49					
82.7ft fly jib, mounted to the boom head	11.27	8.98	7.57	5.94	3.64	2.57	2.24	2.16	2.05					
102.4ft fly jib, mounted to the boom head	18.08	14.28	11.92	9.19	5.34	3.54	2.99	2.86	2.69					
122.0ft fly jib, mounted to the boom head	26.78	20.97	17.39	13.26	7.41	4.69	3.84	3.64	3.37					
	37.34	29.06	24.01	18.14	9.84	5.99	4.78	4.50	4.13					

10. When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
11. Load per part line should not exceed 20,950 lbf for the main winch and for the auxiliary winch.
12. Loaded boom angles are approximate. The boom angle before loading should be greater to account for deflection.
13. The 43.3 ft boom length capacities are based on the telescopic boom being fully retracted. If not fully retracted (less than 57.1 ft boom length), use the total rated loads for 57.1ft boom length according to the telescoping sequence.
14. Extension or retraction of the telescopic boom with loads may be attempted within the limits of the TADANO LOAD RATING CHART. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
15. When erecting or stowing the extendible fly jib, be sure to retain it by hand or by other means to prevent its free movement.
16. Use the Anti-Two Block (OVERWIND CUTOFF) disable switch When erecting or stowing the extendible fly jib and stowing the hook block. While the switch is pushed, the hoist will not stop, even when an overwind condition occurs.
17. The working radius specified in the TADANO LOAD RATING CHARTS for the extendible fly jib apply only if the telescopic boom is extended according to the TADANO LOAD RATING CHARTS. If one or more elements of the telescopic boom are retracted partially or completely, the specified boom angles will be decisive in determining total rated lifting capacities.
18. When lifting a load by using the extendible fly jib (auxiliary hoist) and telescopic boom (main hoist) simultaneously, do the following:
 - A. Select the correct program for the load moment device in accordance with jib length, jib offset angle, counterweight and outrigger base.
 - B. Before starting the operation, make sure that the weight of the load is within the total rated load for the fly jib.
19. Working with Single Top
Operation with the single top is allowed with the main winch and the auxiliary winch (2nd winch). The maximum allowed capacity is limited by the selected S.L.I. code for main boom operation according to existing counterweight and outrigger base at one side and by the single line pull which is limited by hydraulic pressure at the other side.
For operations with the single top mounted, use the TADANO LOAD RATING CHART for the telescopic boom in accordance with existing counterweight and outrigger base to find the total rated lifting capacity and also select the correct S.L.I. code for the telescopic boom in accordance with the existing counterweight and outrigger base. Find the total rated lifting capacity based on boom length and working radius. From that value, subtract 1,100 lbs and the weights of all lifting equipment used including hook block, sling and other auxiliary lifting devices. The result (<total rated lifting capacity> - <1,100 lbs> - <lifting equipment>) is the total rated lifting capacity for a single top lift.

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. The deflection of the boom due to its deadweight and the rated load are taken into account.
2. Loaded Boom Angle:
The angle between the boom base section and the horizontal, after lifting the total rated load at the working 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.

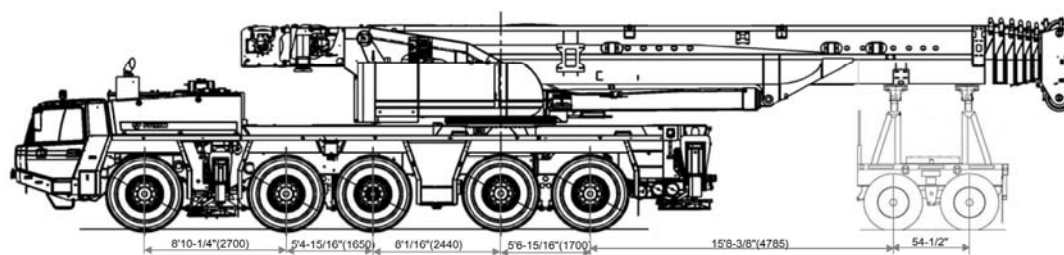
Safe Load Indicator

The Safe Load Indicator is intended as an aid to the operator. Under no condition should it be relied upon to replace use of Load Rating Charts and Operating Instructions. Sole reliance upon the Safe Load Indicator Aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.

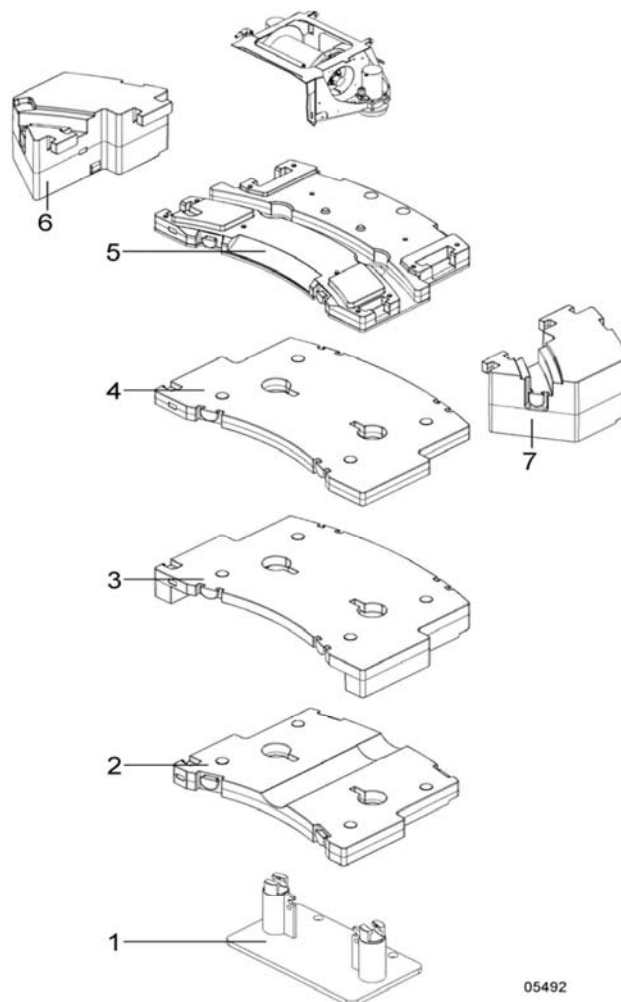
ATF220G-5 Axle weight distribution chart

1) Traveling with boom dolly

	GVW	Axle 1	Axle 2	Axle 3	Axle 4	Axle 5	Dolly
Base machine with 16.00R25 tires, 10x8 drive, no counterweight, 100% fuel	132,328	17,013	18,109	21,981	23,074	22,913	29,238
Add:							
1. 11 ton hook ball at boom head	661	-53	-53	-42	-42	-42	893
2. 27.6 ton hook block at boom head	992	-79	-80	-64	-63	-63	1,341
3. 69.5 ton hook ball at boom head	1,874	-150	-150	-120	-120	-120	2,534
4. 88.2 ton hook ball at boom head	2,535	-202	-203	-163	-162	-162	3,427
5. 17.7 ft/ 43.3 ft fly jib	3,375	100	100	81	81	81	2,932
6. Auxiliary winch with cable	3,646	1,505	1,505	212	212	212	0
7. Auxiliary boom point sheave (single top)	205	-17	-17	-13	-13	-13	278
8. Additional oil cooler	88	6	6	26	26	26	0
9. Air conditioning at crane cab	106	-1	-1	36	36	36	0
10. Boom dismounting device	661	106	106	149	150	150	0
11. 20.5R25 tyres in lieu of 16.00R25	1,100	220	220	220	220	220	0
12. Air conditioning at carrier cab	101	74	74	-16	-16	-15	0
13. Towing attachment	176	-72	-72	107	107	107	0
14. Air and electric line to rear bumper and free swing and boom elevation circuits	106	-5	-5	38	39	39	0
1. Counterweight at carrier (2.0t)	4,409	1,146	1,146	473	473	473	0
2. Counterweight at carrier (10.0t)	22,046	7,479	7,479	2,363	2,363	2,363	0
3. Counterweight at carrier (11.5t)	25,353	8,600	8,600	2,718	2,718	2,718	0
4. Counterweight at carrier (11.5t)	25,353	8,600	8,600	2,718	2,718	2,718	0



Mounting the 156,527 lbs (71 t) counterweight



05492

	1) 2.0t	2) 10.0t	3) 11.5t	4) 11.5t	5) 12.0t	6) 12.0t	7) 12.0t
0 lb	x	x					
26,455 lb	x	x	x				
51,808 lb	x	x	x	x			
77,161 lb	x	x	x	x	x		
103,616 lb	x	x	x	x	x	x	
156,527 lb	x	x	x	x	x	x	x

NOTES:

NOTES: _____

This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

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