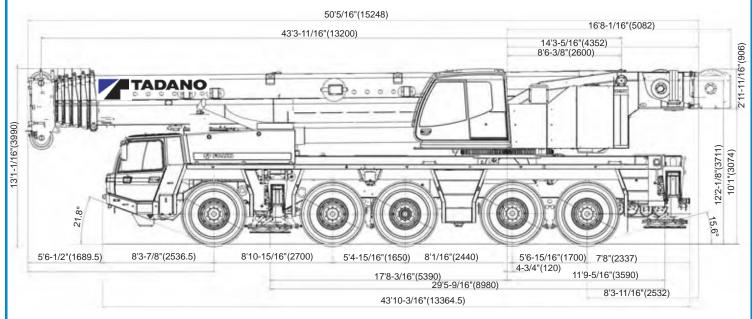


ATF160G-5

200 Ton Capacity (181.4 Metric Tons)

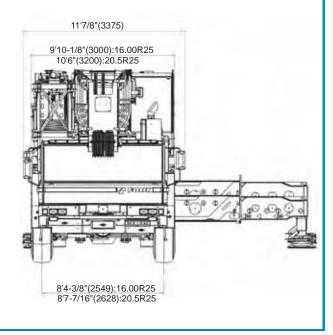
ALL TERRAIN CRANE

DIMENSIONS



TURNING RADIUS

Steering	Front wheel (10x4)	All wheel (10x8)
Carrier inside Over carrier Over boom Over boom extension	21' 11-3/4" (6.7m) 40' 8-3/16" (12.4m) 42' 7-13/16" (13.0m) 45' 1-5/16" (13.75m)	17' 4-11/16" (5.3m) 35' 9-1/8" (10.9m) 38' 11/16" (11.6m) 40' 4-1/4" (12.3m)



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 towing connections and access ladders. Central lubrication system.

1.2 OUTRIGGERS

Four point, fully hydraulic, double telescopic outriggers with horizontal and vertical motions are independently controlled by electro-magnetic valves. Push button controls with level gauges on both sides of carrier and in super-structure 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 27'2-3/4" (8.3m), width 29' 5-9/16"(8.98m) Mid. extension 18' 4-1/2" (5.6m).

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 (EUROMOT2,EPA), with hydrostatically driven fan and thermostatically controlled cooler. Displacement 971.98 in³, Rating 517 hp at 1,800 rpm: Torque 1,770 ft-lbs at I,200 rpm.

1.4 TRANSMISSION

ZF AS-Tronic, type 16AS2602, with integrated intarder. Electro-pneumatically controlled dry clutch and fully automatic contorl system, 16 forward speeds 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-step transfer box, type VG3750, with on/off road drive. Gear ratios: On-road: 0.8

Off-road: 1.836

1.6 DRIVE

10×8 for on-road and off-road: 1st, 2nd, 4th and 5th axle are driven

1.7 AXLES

1st axle : steered, driven with transverse differential lock, reduction : 8.47

2nd axle steered, driven with transverse differential lock,

reduction: 8.47

3rd axle : non steered, non driven, lift axle

4th axle: steered, driven with longlitudinal differential lock and

transverse differential lock,

reduction: 8.47

5th axle: steered, driven with transverse differential 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 by push buttons in the carrier cab, or from the contorl panel of the outrigger which adjust the stroke of each individualsuspension cylinder.

Cylinder stroke: - 4-5/8" (- 118mm) +6-3/16" (+ 157mm)

1.9 BRAKE SYSTEM

Service brake: Dual circuit compressed air system

with air-dryer. ABS(OPTIONAL)

Parking brake: Spring loaded type, acting on 2nd,4th and

5th axles.

Auxiliary brake: Interder, engine exhaust brake and

constant throttle engine brake system.

1.10 WHEELS AND TIRES

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

Carrier width: 9'10-1/8" (3.0m) with16.00R25 tires

10' 6" (3.2m) with 20.5R25 tires (OPTIONAL)

1.11 STEERING SYSTEM

ZF semi block dual circuit hydraulic steering, Mechanical steering of two front axles with hydraulic booster and a emergency steering pump is flange-mounted to the trasfer box.

Rear axles can also be steered electronically depends on the speed according to the seering angle of the front axles. Rear axles are locked in "centered" position automatically.

1.12 POWER TRAIN

Drive-shafts with cross-geared flanges virtually maintenance-free.

1.13 FUEL TANK CAPACITY

140 gal (530 l) filler cap lockable.

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 tempered 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.

Cruise control function. Single-key system.
Instrumentation includes speedometer, odometer, tachograph, rpm counter with hour meter, fuel level gauge, warning light fro the engine temperature, gearbox display, colour display indicating further warning signals and operating functions and the compressed air system.
Air conditioner(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 main head lights, 2 high beam lights, 2 directional indicators and 2 parking lights. Rear lighting includes 2 rear combi panels each with directional indicator, parking light, 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 light system, cab light, instrument panel light, signal horn and amber rotating beacon on cab roof.

Charging plugbox. Back up alarm. 2 front fog lights. 4 lights to illuminate the area of the extended outriggers. Lighting according to EEC regulations.

1.16 TOOLS AND ACCESSORIES

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

1.17 PAINTING

Standard TADANO colors

1.18 DIMENSIONS

Overall width: 9'10-1/8" (3.0m) with16.00R25 tires

10' 6" (3.2m) with 20.5R25 tires

Overall height: 13' 1-1/16" (3.99m)

In travel condition, the overall height can

be adjusted - 4-5/8" / + 6-3/16"

Overall length: 50' 5/16" (15.248m)

52' 5-1/16" (15.978m) with Aux. winch

Carrier length: 43' 10-3/16" (13.3645m)

Wheel base: 8' 10-15/16" + 5' 4-15/16" + 8' 1/16" + 5' 6-15/16"

(2.7m + 1.65m + 2.44m + 1.7m)

1.19 CARRIER OPTIONAL EQUIPMENT

- 1. Air conditioning
- 2. 20.5R25 on/off road profile tires
- 3. Spare weel & tire
- 4. ABS
- 5. Eddy current brake (retarder)
- 6. Rear view camara(image in display in carrier cab)
- 7. Spark arrester
- 8. Toolbox rear
- 9. Towing attachment(D-Value 190 kN)
- Pneumatic and electrical quick disconnect connectors mounted on rear bumper for boom dolly

2. TRAVEL PERFORMANCE (according to DIN 70020)

Max. travel speed : 52.8 mph Max. gradeability : 61 %

_		16.00R25 / 20.5R25 t	ires, GVW 132,275 lb	
Gear	Travelling s	speed (mph)	Gradabi	ilities (%)
	Off-road gear	On -road gear	Off-road gear	On -road gear
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	19.6	42.3	3	3
15th	21.7	49.7	3	2
16th	26.1	52.8	2	1
1st Rev.	1.9	3.7	55	45
2nd Rev.	1.9	4.3	43	36

The gradeability is based on theoretical values and depends on ground conditions and the coefficient of friction. A minimum speed of 0.6 MPH is in 1st gear(off-road) at 800 rpm.

3. SUPERSTRUCTURE

3.1 SUPERSTRUCTURE FRAME

Connected to carrier by a single-race ball bearing slewing ring with external gearing providing 360°continuous rotation.

Central lubrication system for slewing device, boom elevation cylinder and basic bearing.

3. 2 CRANE ENGINE

Mercedes Benz 6 cylinder water-cooled diesel engine, model OM 906 LA(EUROMOT 2,EPA), with 184 hp at 1,800 rpm, 553.17 ft-lbs torque at 1,200 - 1,600 rpm. Stepless control of engine rpm by foot pedal.

Fuel tank capacity: 66.04 gal (250 l)

3.3 HYDRAULIC SYSTEM

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

3.4 HYDRAULIC CONTROLS

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

3.5 TELESCOPIC BOOM

Six section box type construction of high tensile, fine grained steel, consisting of 1 base section and 5 telescopic sections. The boom is extended by means of I double acting single stage cylinders with integrated holding valves.

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

All telescope sections are extendable under partial load. Total retracted length: 43' 3-11/16" (13.2m)
Total extended length: 196' 10-3/16" (60.0m)
Max. sheave height: 203' 4-15/16" (62.0m)

Telescoping speed out: 400 sec.

3.6 BOOM EXTENSION

Swing around lattice type boom extension 17.72'(5.4m) / 43.31'(13.2m), offsets $0^{\circ}/20^{\circ}/40^{\circ}$ with anti-two block system.

4 intermediate sections(19.69' each) to extend to 122.05'(37.2m).

3.7 AUXILIARY LIFTING SHEAVE (SINGLE TOP) (OPTIONAL)

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

3.8 BOOM HOIST

1 double acting hydraulic cylinder with integral holding valve.

Boom elevation : -1.5° to +84°

Boom elevation speed: 100 sec. normal speed /

50 sec. high speed (only derricking up)

3.9 MAIN WINCH

Axial piston constant displacement motor, grooved hoist drum, 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 system.

Lower limit switch and drum turn indicator.

Drum diameter: 20.67" (525mm)

Rope diameter: 0.83" (21mm)

Rope length: 1,107' (310m)

Max. line pull 3rd layer: 21,356 lbs. (95 kN)

Max. line speed 4th layer: 426.5 ft/min (130m/min)

3.10 AUXILIARY WINCH (OPTIONAL)

Axial piston constant displacement motor, grooved hoist drum, 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 system.

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Drum diameter: 20.67" (525mm)

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Rope length: 1,107' (310m)

Max. line pull 3rd layer: 21,356 lbs. (95 kN)

Max. line speed 4th layer: 426.5 ft/min (130m/min)

3.11 SLEWING GEAR

Constant displacement motor with three stage planetary gear, a foot actuated or automatic service brake and a parking brake. Open hydraulic circuit with free slewing function. Slewing speed infinitely variable: 0 - 1.5 rpm

3.12 COUNTERWEIGHT

Total 112,435 lbs, divisible, assembled and disassembled by hydraulic cylinders controlled from crane cab.

Tail swing: 15' 11-1/8" (4.855m)

16' 8-1/16" (5.082m) with Aux. winch

3.13 SUPERSTRUCTURE CAB

Spacious comfortable panoramic cab with sliding door, extra-large tinted glass windows, electrical fold-out front window with windshield washer and wiper, fixed cab roof window with armoured glass and washer/wiper, sun visor, cab light, tiltable cockpit with adjustable hydraulically cushioned seat with headrest, signal horn, radio with CD player, and connection for wireless (12 volt).

Engine dependent hot-water heater and engine independent hot water heater with engine pre-heat

hot water heater with engine pre-heat.

Complete controls and instrumentation plus LCD graphic display for crane operation.

Outrigger controls from superstructure cab and supported forces display.(OPTIONAL)

Air conditioner.(OPTIONAL)

3.14 ELECTRICAL SYSTEM

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

3.15 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 gauge. Anemometer. Digital display of boom angle, boom length, sheave height, working radius, hook load and further information.

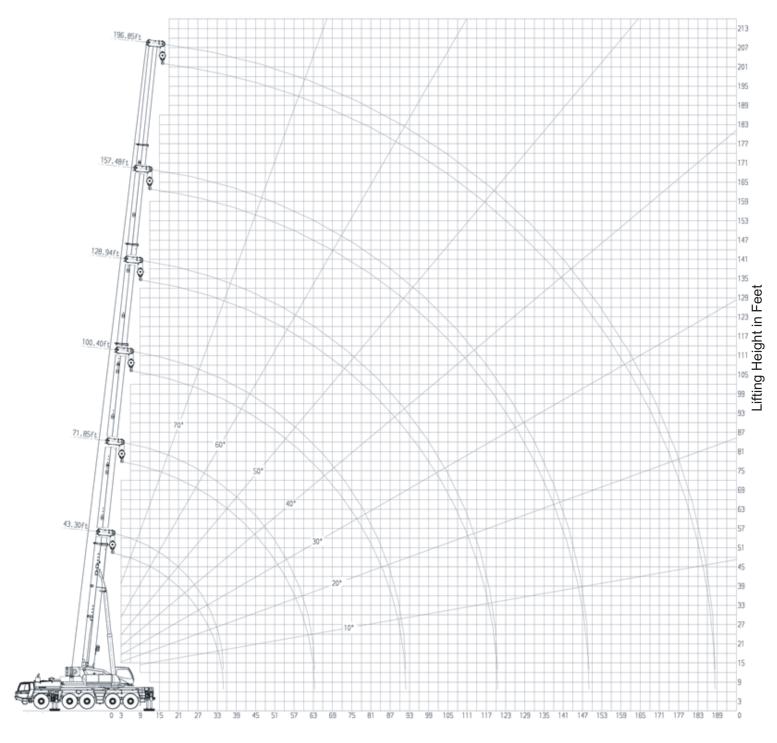
Working area limitaion for lifting height, load radius, boom angle and swing range.

"Lift Adjuster" function, enables the load to be lited without swinging (automatic derricking up, which keeps the working radius constant.) Safety valves against pipe and hose rupture, holding valves on hydraulic cylinders.

3.16 SUPERSTRUCTURE OPTIONAL EQUIPMENT

- 1. Air conditioning
- 2. 11 ton headache ball
- 3. 27.5 ton, 1 sheave single hook block
- 4. 69.4 ton, 3 sheave ram's horn hook block
- 5. 88.0 ton, 5 sheave ram's horn hook block6. 138.0 ton, 7 sheave ram's horn hook block
- 7. 176.5 ton, 9 sheave ram's horn hook block
- 8. 200.0 ton. 11 sheave ram's horn hook block
- 9. Additional pulleys for lifting loads of more than 121 ton
- 10. Auxiliary winch
- 11. Auxiliary lifting sheave
- 12. 19.69' intermediate sections for boom extension (1 to 4 sections)
- 13. Spark arrester
- 14. Aircraft warning lamp
- 15. Outrigger load display with monitoring (in superstructure cab and in outrigger control panels)
- 16. Additional Hydraulic oil cooler
- 17. Working area limitation(Slew limit)
- Free slewing and free boom elevation circuits for boom dolly.
- 19. 360° positive swing lock (NYC requirement).

ATF160G-5 WORKING RANGE CHART



Load radius from Axis of Rotation in Feet

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.

ATF160G-5 TADANO-Load rating chart

Counterweight 112,435 lbs

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Over rear with superstructure pin engaged
 *With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Counterweight 81.570 lbs

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16	61	81 247.0° 126.5 99 98.5 69 227.0 73 69.9 73 107.5 73 226.0 73 212.5 77 74.3 77 113.5 77 196.5 79 63.7 79 109.5 79 145.5 81 65.0 81 99.5 81 121.5 82 200.5 210.0 67 93.7 67 210.0 72 65.9 72 102.5 72 208.5 72 208.5 72 208.5 76 70.2 76 109.0 76 196.5 78 60.0 78 109.5 78 136.5 80 61.5 80 99.5 80 119.5 54 197.0 195.5 65 89.1 65 195.0 71 62.1 71 98.3 71 194.5 71 188.5 74 66.2 74 104.5 74 194.0 77 56.6 77 109.5 77 128.0 79 58.2 79 99.5 79 117.5															16																	
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		88 22.05 21.0.0 67 93.7 67 21.0.0 72 65.9 72 10.25 72 20.85 72 72 20.5 76 70.2 76 109.0 76 196.5 78 60.0 78 109.5 78 136.5 80 61.5 80 99.5 80 119.5 14 197.0 195.5 65 89.1 65 195.0 71 62.1 71 98.3 71 194.5 71 188.5 74 66.2 74 104.5 74 194.0 77 56.6 77 109.5 77 128.0 79 58.2 79 99.5 79 117.0 5 156.5 156.0 159 79.7 7 99 156.5 66 54.6 66 87.4 66 155.0 66 157.5 71 58.1 71 98.2 71 158.0 74 49.4 74 100.0 74 111.0 76 51.6 76 99.5 76 102.0 78 109.5 79 109.5 70 109.5															20																	
25		88 22.05 21.0.0 67 93.7 67 21.0.0 72 65.9 72 10.25 72 20.85 72 72 20.5 76 70.2 76 109.0 76 196.5 78 60.0 78 109.5 78 136.5 80 61.5 80 99.5 80 119.5 4 197.0 195.5 65 89.1 65 195.0 71 62.1 71 98.3 71 194.5 71 188.5 74 66.2 74 104.5 74 194.0 77 56.6 77 109.5 77 128.0 79 58.2 79 99.5 79 117.0 5 156.5 156.0 159.0 79.7 159 156.5 66 54.6 66 87.4 66 155.0 66 157.5 71 58.1 71 95.2 71 156.0 74 49.4 74 100.0 74 111.0 76 51.6 76 99.5 76 102.0 102															25																	
	32	128.0	128.0	52		52				62		62			129.5		51.5	67			128.0			71		71		74	46.1	74	99.5	74		30
35	ſ			45	66.2	45				56		56	106.0		109.5	63	46.2	63	78.1	63	108.0			68		68	87.1	71	41.7	71	88.8	71	80.3	35
40				37	61.3	37	93.0	51		51	63.7	51	86.7	51	90.3	59	41.9	59		59		65		65	77.7	65	78.0	69	38.0	69	82.2	69	72.1	40
45				26	57.9	26	76.7	45	36.5	45		45	74.6	45	77.7	55		55	65.1	55	76.2	62	32.3	62	71.9	62	70.8	66	35.0	66	76.5	66	65.6	45
50								39	33.9	39	54.1	39	63.2	39	66.4	50	35.4	50	60.0	50	64.8	58	29.7	58	66.7	58	62.2	63	32.3	63	68.2	63	60.0	50
55								31	31.6	31	50.4	31	53.6	31	56.7	46	32.8	46	55.6	46	55.2	54	27.4	54	60.4	54	53.8	59	30.0	59	59.5	59	54.2	55
60								22	29.6	22	47.2	22	45.7	22	48.5	41	30.5	41	51.6	41		50	25.5	50	53.2	50	46.2	56	27.9	56	51.5	56	48.0	60
65																35	28.7	35	47.3	35		46		46		46		53		53				65
70																27	27.1	27	42.3	27		42		42		42	35.0	50	24.7	50		50		70
75																20	25.6	20		20		37	20.9	37	37.2	37		47		47	35.6	47	32.4	75
80																						31	19.8	31	33.4	31	26.5	43	22.0	43	31.8	43	28.7	80
85																						24	18.8	24	30.2	24	23.3	39	20.8	39	28.6	39	25.1	85
90																						18	17.8	18	27.0	18	20.1	34	19.9	34		34	22.4	90
95																												29	19.1	29	23.4	29	19.9	95
100																												23	18.3	23	21.1	23	17.6	100
110																																		110
120																																		120
130																																		130
140																																		140
150																																		150
																scop	ing sec	quen	ce %															
「el. 1		0			0		0		0		0		46		0		0		0		46		0		0		93		0		46		93	Tel. 1
Геl. 2		0			0		46		0		0		46		46		0		0		46		0		46		46		0		46		46	Tel. 2
Tel. 3		0			0		0		0		0		0		46		0		46		46		0		46		46		46		46		46	Tel. 3
Tel. 4		0			0		0		0		46		0		0		46		46		0		93	-	46		0		93		46		46	Tel. 4
Tel. 5		0			46		0		93		46		0		0		93		46		0		93		46		0		93		46		0	Tel. 5

¹⁾ Over rear with superstructure pin engaged

*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Cour	nter	weig	ht	112,4	135	lbs		· · · · · · · · · · · · · · · · · · ·		161 1	4.00	0 11			0 4	E 1705	1	-1									
							L	itting ca	apac	ities in				aing pe 360° w			on t	elescop	DIC D	oom							
Work.														base 2													Work.
Radius												_		La caretta	/£1\												Radius
(ft)												В	oom	length	(π)												(ft)
	1	28.9	1	28.9	1	28.9	1	43.4	1	43.4	1	43.3	1	57.5	1	57.5	1	57.5	1	71.9	1	71.9	1	86.0	1	96.9	
	۰		۰		0		٥		0		۰		۰		٥		٥		٥		0		0		۰		
_			_		_		_		4		4		_		4		_		_		4		_		_		_
9 10																											9
12																	12										
14		M 573 94 042 94 740 92 974 50 540 97 75 5															14										
16																	16										
18 20	81																18 20										
25	78	78 51.6 78 91.3 78 68.0 80 49.4 80 53.7 80 73.6 81 43.0 81 59.3 81 49.2															25										
30	76	45.9	76	83.8	76	61.9	78	47.2	78	50.1	78	73.3	80	43.0	80	59.3	80	49.2	81	38.8	81	47.6	82	37.5			30
35	74	78															30.9	35									
40	72	37.5	72	68.0	72	52.4	74	39.1	74	42.2	74	61.7	76	39.5	76	54.9	76	45.9	78	38.6	78	45.7	79	37.4	80	30.9	40
45 50	69 66	34.1 31.3	69 66	62.0 56.7	69 66	48.6 45.4	71 69	36.1 33.3	71 69	39.1 36.5	71 69	56.5 51.9	74 72	36.7 34.1	74 72	51.2 47.9	74 72	42.7 39.8	75 74	36.9 34.7	75 74	42.9 40.1	77 76	36.3 34.4	78 77	30.9	45 50
55	64	28.9	64	52.2	64	42.5	67	30.9	67	34.2	67	47.8	70	31.8	70	44.6	70	37.2	72	32.5	72	37.7	74	32.4	75	30.0	55
60	61	26.8	61	48.3	61	39.9	65	28.8	65	32.1	65	44.2	68	29.9	68	41.3	68	34.9	71	30.5	71	35.6	73	30.5	74	28.4	60
65	58	24.9	58	44.7	58	37.7	62	26.9	62	30.2	62	41.0	66	28.0	66	38.5	66	32.9	68	28.9	68	33.5	70	28.9	72	27.1	65
70	56	23.4	56	41.8	56	35.9	60	25.2	60	28.5	60	38.2	64	26.5	64	35.9	64	31.2	67	27.3	67	31.8	69	27.5	71	25.7	70
75 80	53 50	21.9	53 50	40.4 39.2	53 50	34.1 32.5	58 55	23.7	58 55	27.0 25.7	58 55	35.7 33.4	62 59	24.9	62 59	33.6 31.5	62 59	29.6 28.1	65 63	25.9 24.6	65 63	30.2 28.8	67 66	26.1 24.9	69 68	24.5	75 80
85	47	19.3	47	35.5	47	31.0	53	21.2	53	24.5	53	31.4	57	22.3	57	29.4	57	26.5	61	23.4	61	27.4	64	23.9	66	21.9	85
90	43	18.2	43	32.3	43	29.6	50	20.1	50	23.4	50	30.0	55	21.3	55	27.7	55	25.4	59	22.3	59	26.2	62	22.7	65	20.4	90
95	40	17.3	40	29.4	40	28.5	47	19.1	47	22.4	47	28.5	53	20.3	53	26.2	53	24.3	57	21.3	57	25.1	60	21.7	63	19.1	95
100	36	16.5	36	26.8	36	27.5	44	18.3	44	21.6	44	26.6	50	19.4	50	24.8	50	23.3	54	20.4	54	23.8	58	20.9	61	17.9	100
110 120	27	15.0	27	22.3	27	25.1	38 29	16.6 15.2	38 29	19.9 18.5	38 29	22.2 18.5	45 39	17.7 16.3	45 39	22.1 19.0	45 39	21.4 19.9	50 45	18.7 17.4	50 45	21.6 19.8	54 50	19.2 17.9	57 53	15.7 14.0	110 120
130							18	14.2	18	17.7	18	15.4	32	15.2	32	15.8	32	17.9	40	16.2	40	16.9	46	16.5	50	12.2	130
140											Ľ		23	13.8	23	13.4	23	15.4	34	15.1	34	14.2	41	14.9	45	10.7	140
150																			27	14.0	27	11.9	36	13.0	40	9.4	150
160																			16	12.1	16	9.9	29	11.0	35	8.3	160
170 180																							21	9.3	29 21	7.1 6.1	170 180
190																									-	0.1	190
													opin	g sequ	ence												
Tel. 1		0		93		46		0		46		93		0		93		46		46		93		93	_	100	Tel. 1
Tel. 2 Tel. 3		93		46 46		46 46		46 93		46 46		93 46		93 93		93		93 93		93		93		93		100 100	Tel. 2 Tel. 3
Tel. 4		93		46		46		93		93		46		93		46		93		93		93		93		100	Tel. 3
Tel. 5		93		46		93		93		93		46		93		46		46		93		46		93		100	Tel. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Work. Radius							Li	ifting ca	арас	ities in		outrigg	ers,	ding pe 360° w base 2	orkir	ig area	on t	elescop	oic b	oom							Work.
(ft)												В	oom	length	(ft)												(ft)
	1	28.9		28.9	1	28.9		43.4		43.4		43.3	1	57.5	1	57.5		57.5		71.9		71.9	1	86.0		96.9	
	,		,		°		,		,		,		0		,		,		°		,		,		0		
9	_		_		_		_		_		_		_		_		_		_		_		_		_		9
10																											10
12	81 57.2 81 91.3 81 71.0 82 49.4 82 54.0 82 73.6														12												
14															14												
16 18	78 51.6 78 91.3 78 68.0 80 49.4 80 53.7 80 73.6 81 43.0 81 59.3 81 49.2														16 18												
20	81	78 51.6 78 91.3 78 68.0 80 49.4 80 53.7 80 73.6 81 43.0 81 59.3 81 49.2														20											
25		78 51.6 78 91.3 78 68.0 80 49.4 80 53.7 80 73.6 81 43.0 81 59.3 81 49.2															25										
30	76	45.9	76	83.8	76	61.9	78	47.2	78	50.1	78	73.3	80	43.0	80	59.3	80	49.2	81	38.8	81	47.6	82	37.5			30
35	74	41.4	74	75.3	74	56.8	76	42.8	76	45.9	76	68.3	78	42.0	78	58.0	78	48.1	79	38.8	79	47.0	80	37.5	81	30.9	35
40	72	37.5	72	68.0	72	52.4	74	39.1	74	42.2	74	61.7	76	39.5	76	54.9	76		78	38.6	78	45.7	79	37.4	80	30.9	40
45	69	34.1	69	62.0	69	48.6	71	36.1	71	39.1	71	56.5	74	36.7	74	51.2	74	42.7	75	36.9	75	42.9	77	36.3	78	30.9	45
50	66 64	31.3 28.9	66 64	56.7 52.2	66 64	45.4 42.5	69 67	33.3	69 67	36.5 34.2	69 67	51.9 47.8	72 70	34.1 31.8	72	47.9 44.6	72	39.8 37.2	74 72	34.7	74 72	40.1 37.7	76	34.4	77 75	30.9	50 55
55 60	61	26.8	61	48.1	61	39.9	65	28.8	65	32.1	65	44.2	68	29.9	70 68	41.3	70 68	34.9	71	30.5	71	35.6	74 73	30.5	74	28.4	60
65	58	24.9	58	43.7	58	37.7	62	26.9	62	30.2	62	41.0	66	28.0	66	38.5	66	32.9	68	28.9	68	33.5	70	28.9	72	27.1	65
70	56	23.4	56	38.8	56	35.9	60	25.2	60	28.5	60	37.9	64	26.5	64	35.9	64	31.2	67	27.3	67	31.8	69	27.5	71	25.7	70
75	53	21.9	53	34.3	53	34.1	58		58	27.0	58	34.3	62	24.9	62	33.5	62	29.6	65	25.9	65	30.2	67	26.1	69	24.5	75
80	50	20.4	50	30.5	50	32.3	55	22.4	55	25.7	55	30.5	59	23.5	59	30.9	59	28.1	63	24.6	63	28.8	66	24.9	68	23.3	80
85	47	19.3	47	27.3	47	29.9	53	21.2	53	24.5	53	27.1	57	22.3	57	27.8	57	26.5	61	23.4	61	27.4	64	23.9	66	21.9	85
90	43	18.2	43	24.4	43	27.2	50	20.1	50	23.4	50	24.4	55	21.3	55	24.9	55	25.4	59	22.3	59	25.4	62	22.7	65	20.4	90
95	40	17.3	40	21.8	40	24.8	47	19.1	47	22.4	47	21.8	53	20.3	53	22.3	53	23.9	57	21.3	57	23.2	60	21.6	63	19.1	95
100	36	16.5	36	19.4	36	22.6	44	18.3	44	21.6	44	19.4	50	19.4	50	20.0	50		54	20.4	54	20.9	58	20.6	61	17.9	100
110	27	15.0	27	15.6	27	18.9	38	16.6	38	19.4	38	15.5	45	17.7	45	16.0	45	18.2	50	18.6	50	16.9	54	17.9	57	15.7	110
120							29	15.2	29	16.4	29	12.3	39	16.2	39	12.9	39	14.9	45	16.0	45	13.8	50	14.8	53	14.0	120
130 140							18	14.2	18	13.7	18	9.8	32 23	14.4	32 23	10.3 8.2	32 23	12.4	40 34	13.3	40 34	11.3 9.0	46 41	12.2	50	12.2	130 140
150													23	12.1	23	8.2	23	10.1	27	9.4	27	7.0	36	10.0 8.1	45 40	10.0 8.1	150
160																			16	7.4	16	5.3	29	6.4	35	6.7	160
170																			1.5	7	13	0.0	21	5.1	29	5.2	170
180																									21	3.8	180
190																											190
													opin	g sequ													
Tel. 1		0		93		46		0		46		93		0		93		46	-	46		93		93		100	Tel. 1
Tel. 2		0	<u> </u>	46		46		46	<u> </u>	46		93	<u> </u>	93		93	<u> </u>	93	-	93		93 93		93	_	100	Tel. 2
Tel. 3		93		46 46		46 46		93		46 93		46 46		93		93 46		93		93 93		93		93	-	100 100	Tel. 3 Tel. 4
Tel. 5		93		46		93		93		93		46		93		46		46		93		46		93	_	100	Tel. 4
Tel. 5		93		46		93		93		93		46		93		46		46		93		46		93		100	Tel.

Counterweight	55.115 lbs
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Our	101	weig	111 00	<u>,</u>	J IDS	<u> </u>																												
											Lifting of	capa	acities in								n teles	copi	c boom	1										
														0			s, 360°			ea														
Work.															Out	rigg	er base	27.	23 ft															Work.
Radius																_																		Radius
(ft)																Boo	m lengt	h (ft)															(ft)
		43.3		5	7.7	5	57.7	7	71.9		71.9	- 7	71.9	1	71.9		83.3		36.3		86.3	1	00.4	1	00.4	1	00.4	1	14.8	1	14.8	1	14.8	
_	<u> </u>	1)		_		_		_		Z				_		4		_				4		4		_		_		_		4		
9		400.0*	000.0*	70	447.0	70	004.5*	70	05.5	70	400.5	70	055.0*	70	000.0	0.4	00.0	0.4	440.5	0.4	100.5	H		H						-		H		9
10		350.5*						79					255.0*	79	223.0				116.5		196.5		70.0	00	100.5		400.5			-		H		10
12		315.5* 267.0*						77	79.7				255.0*		223.0						196.5 196.5		73.0 68.1		109.5 109.5		162.5			-		H		12 14
14		233.5	256.5*					75 73	74.6 69.9	73				75	222.0 212.5				113.5		196.5		63.7				145.5	04	05.0	04	00.5	04	404.5	16
16																							60.0						65.0 61.5	81	99.5		121.5	18
18 20		186.5 186.5 65 89.1 65 186.0 71 62.1 71 98.3 71 184.5 71 87.0 74 66.2 74 104.5 74 185.5 77 56.6 77 109.0 77 128.0 79 58.2 79 99.5 79 117.0 148.0															20																	
25 30		148.0 148.0 59 79.7 59 147.5 66 54.6 66 87.4 66 146.0 66 148.5 71 58.1 71 95.2 71 147.0 74 19.4 74 100.0 74 111.0 76 51.6 76 99.5 76 102.0 120.4 52 72.1 52 120.0 62 48.5 62 77.7 62 118.0 62 122.0 67 51.5 67 86.1 67 117.5 71 43.8 71 92.3 71 97.5 74 46.1 74 99.5 74 89.8 14.7 66 62 48 93.8 56 43.7 56 70.2 56 92.2 56 96.0 63 46.2 63 78.1 63 91.5 68 39.2 68 84.7 68 85.2 71 41.7 71 88.8 71 80.3															25 30																	
35	32	148.0 148.0 59 79.7 59 147.5 66 54.6 66 87.4 66 148.0 66 148.5 71 58.1 71 95.2 71 147.0 74 94.4 74 100.0 74 111.0 76 51.6 76 99.5 76 102.0 120.0 62 48.5 62 77.7 62 118.0 62 122.0 67 51.5 67 86.1 67 117.5 71 43.8 71 92.3 71 92.3 71 97.5 74 46.1 74 99.8 74 89.8 47 66 86.2 48 93.8 56 43.7 56 70.2 56 92.2 56 96.0 63 46.2 63 78.1 63 91.5 68 39.2 68 84.7 68 85.2 71 41.7 71 88.8 71 89.8															35																	
40				37		37	74.8	51		51	63.7	51	73.2	51	77.0	59	41.9	59	71.0		75.2	65	35.5	65	77.2	65	69.5	69	38.0	69	76.3	69	71.7	40
45					57.9	26	61.2	45	36.5	45	58.5	45		45	63.2	55	38.4	55	64.1	55	61.6	62	32.3	62	67.1	62	59.2	66	35.0	66	65.7	66	61.4	45
50				20	57.9	20	01.2	39	33.9	39		39		39	52.7	50		50		50	51.2	58	29.7	58	57.2	58	49.5	63	32.3	63	55.6	63	51.6	50
55								31	31.6	31	47.6	31		31	44.2	46		46	49.5			54	27.4	54		54	41.3	59	30.0	59	47.1	59	43.2	55
60								22	29.6	22		22		22	37.0	41		41	42.6	41		50	25.5	50	41.9	50	34.7	56	27.9	56	40.2	56	36.5	60
65									23.0	- 22	72.2		34.2		37.0	35	28.7	35	37.1	35	30.8	46	23.8	46	36.4	46	29.3	53	26.2	53	35.0	53	31.3	65
70																27	27.1	27	32.7	27	26.4	42	22.3	42	32.2	42	25.0	50	24.7	50	30.7	50	27.0	70
75				-												20	25.6	20		20	22.0	37	20.9	37		37	21.3	47	23.3	47	27.0	47	23.2	75
80																	20.0	-	20.0		LL.O	31	19.8	31	25.3		18.0	43	22.0	43	23.8	43	20.0	80
85																Ħ						24	18.8	24		24	15.2	39	20.8	39	20.9	39	17.1	85
90																Ħ						18	17.8	18				34	19.9	34	18.4	34	14.8	90
95																Ħ												29	19.1	29	16.3	29	12.7	95
100																												23	18.3	23	14.4	23	10.9	100
110																																		110
120																																		120
130																																		130
140																																		140
150																																		150
															Tele	scop	ing sec	quen	ce %															
Tel. 1		0			0		0		0		0		46		0		0		0		46		0		0		93		0		46		93	Tel. 1
Tel. 2		0			0		46		0		0		46		46		0		0		46		0		46		46		0		46		46	Tel. 2
Tel. 3		0			0		0		0		0		0		46		0		46		46		0		46		46		46		46		46	Tel. 3
Tel. 4		0			0		0		0		46		0		0		46		46		0		93		46		0		93		46		46	Tel. 4
Tel. 5		0	poretri		46		0		93		46		0		0		93		46		0		93		46		0		93		46		0	Tel. 5

Counterweight 28.660 lbs

Cour	itei	weig	III ZO	,00	วน เมร	<u> </u>																												
											Lifting	capa	acities i								n teles	copi	c boom	1										
														0	n outrig	gger	s, 360°	wor	king ar	ea														
Work.															Out	rigg	er base	e 27	.23 ft															Work.
Radius																																		Radius
(ft)																Boo	m lengt	th (ft)															(ft)
																	_																	
		43.3	3		57.7		57.7	1 7	71.9	7	71.9		71.9		71.9		83.3		86.3		86.3	1	00.4	10	00.4	1	00.4	1	14.8	1	14.8	1	14.8	
	٥			٥		٥		0		۰		٥		0		۰		٥		٥		٥		۰		۰		٥		٥		٥		
		1)		_		2						2		2		1		12		2						2		12		2				
9	71	400.0*																																9
10		348.0*	306.0*	76	117.0	76	264.5*	79	85.5	79	120.5	79	255.0*	79	223.0	81	88.9	81	116.5	81	196.5													10
12		293.5*					264.5*								223.0				116.5			82	73.0	82	109.5	82	162.5							12
14		252.0*					250.0*				113.0		245.0*		222.0		78.9		116.5				68.1		109.5		156.0							14
16		220.0																			196.5							81	65.0	81	99.5	81	121.5	16
18		3 196.5 196.5 67 93.7 67 196.0 72 65.9 72 102.5 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 74 195.0														18																		
20		1 196.5 196.5 67 93.7 67 196.0 72 65.9 72 102.5 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 74 195.0														20																		
25	45	8 196.5 196.5 67 93.7 67 196.0 72 65.9 72 102.5 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 72 195.0 74 104.5 74 104.5 74 104.5 74 104.5 74 104.0 74 111.0 76 51.6 76 195.0 79 195.0 79 170.0 70 195.0 79 195.0 7															25																	
30	32	175.5 175.5 65 89.1 65 175.0 71 62.1 71 98.3 71 173.5 71															30																	
35				45		45		56	43.7	56	70.2			56		63	46.2		74.9	63	71.6	68			77.9	68	65.5	71	41.7	71	77.1	71	71.5	35
40				37	57.1	37		51	39.7	51	59.9	51		51	57.4	59	41.9	59		59	55.7	65	35.5	65	62.7	65	50.3	69		69	60.7	69	56.3	40
45				26		26		45		45			42.2	45	45.8	55	38.4	55		55	44.2	62	32.3	62	50.9	62	41.9	66		66	49.1	66	44.9	45
50								39	33.9	39	42.6	39	34.1	39	37.4	50	35.4	50		50		58	29.7	58	42.3	58	34.3	63	32.3	63	40.5	63	36.6	50
55								31		31	35.8	31	27.5	31	30.8	46	32.8	46		46	29.3	54	27.4	54	35.5	54	27.8	59	30.0	59	33.8	59	30.1	55
60								22	29.6	22	30.3	22	21.6	22	25.4	41	30.4	41	30.9	41		50		50	30.1	50	22.3	56	27.9	56	28.5	56	24.7	60
65																35	27.9	35		35		46			25.9	46		53		53	24.3	53	20.2	65
70																27	24.8	27	23.1	27	16.2	42	22.3	42	22.4	42	14.5	50		50	20.7	50	16.7	70
75																20	21.6	20		20		37	20.6	37	19.3	37	11.6	47	22.3	47	17.6	47	13.8	75
80																	21.0	1	10.7		12.0	31	18.8	31	16.6	31	9.1	43		43	14.9	43	11.4	80
85																		t				24			14.5		7.0	39		39	12.7	39	9.2	85
90																						18	15.8	18	12.3	18		34	15.7	34	10.8	34	7.3	90
95																												29	13.9	29	9.2	29	5.7	95
100																												23		23	7.7	23	4.2	100
110																																		110
120																																		120
130																																		130
140																																		140
150																																		150
																scop	ing sed	quer	nce %															
Tel. 1		0			0		0		0		0		46		0		0		0		46		0		0		93		0		46		93	Tel. 1
Tel. 2		0			0		46		0		0		46		46		0		0		46		0		46		46		0		46		46	Tel. 2
Tel. 3		0			0		0		0		0		0		46		0		46		46		0		46		46		46		46		46	Tel. 3
Tel. 4		0			0		0		0	-	46		0		0		46		46		0		93	-	46		0		93		46		46	Tel. 4
Tel. 5		0			46	<u>L</u>	0		93		46		0		0		93		46	<u>L</u>	0	<u>L</u>	93		46		0		93	<u>L</u>	46		0	Tel. 5
		verith or																																

¹⁾ Over rear with superstructure pin engaged

"With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

Counterweight 55,115 lbs

Coun	ter	weig	nτ	<u> ၁၁, ı</u>	<u> 10 </u>	BS																					
							Li	fting ca	paci	ties in								telesco	pic b	oom							
											On	outrigg					ı										
Work.												Outrig	ger	base 2	27.23	3 ft											Work.
Radius																											Radius
(ft)												В	om	length	(ft)												(ft)
		00.0		00.0		00.0		40.4		10.1		40.0								74.0		74.0		00.0		00.0	
	1.	28.9	1	28.9	1	28.9	1 。	43.4	1	43.4	1	43.3	1	57.5	1	57.5	1	57.5	1 。	71.9	1	71.9	1	86.0	1	96.9	
	ů		۰		۰		۰		۰		۰		۰		۰		ů		١		۰		ů		۰		
9			_		_		_		_		_		_		_		-		_		_		_		_		9
10																											10
12																											12
14																14											
16	81 57.2 81 91.3 81 71.0 82 49.4 82 54.0 82 73.6															16											
18																18											
20	81 57.2 81 91.3 81 71.0 82 49.4 82 54.0 82 73.6 81 43.0 81 59.3 81 49.2															20											
25													81	43.0	81	59.3	81	49.2									25
30	76	45.9	76	83.8	76	61.9	78	47.2	78	50.1	78	73.3	80	43.0	80	59.3	80	49.2	81	38.8	81	47.6	82	37.5			30
35	74	41.4	74	75.3	74	56.8	76	42.8	76	45.9	76	68.3	78	42.0	78	58.0	78	48.1	79	38.8	79		80	37.5	81	30.9	35
40	72	37.5	72	67.8	72	52.4	74	39.1	74	42.2	74	61.7	76	39.5	76	54.9	76	45.9	78	38.6	78	45.7	79	37.4	80	30.9	40
45	69	34.1	69	59.7	69	48.6	71	36.1	71	39.1	71	56.5	74	36.7	74	51.2	74	42.7	75	36.9	75	42.9	77	36.3	78	30.9	45
50	66	31.3	66	51.8	66	45.4	69	33.3	69	36.5	69	49.4	72	34.1	72	47.9	72	39.8	74	34.7	74	40.1	76	34.4	77	30.9	50
55	64	28.9	64	44.7	64	42.4	67	30.9	67	34.2	67	42.8	70	31.8	70	42.8	70	37.2	72	32.5	72	37.7	74	32.4	75	30.0	55
60	61	26.8	61	38.7	61	39.5	65	28.8	65	32.1	65	37.3	68	29.9	68	36.3	68	34.9	71	30.5	71	35.4	73	30.5	74	28.4	60
65	58	24.9	58	33.3	58	36.1	62	26.9	62	30.2	62	33.1	66	28.0	66	31.1	66	32.9	68	28.9	68	32.3	70	28.9	72	27.1	65
70	56	23.4	56	29.1	56	32.2	60	25.2	60	28.5	60	28.9	64	26.5	64	27.8	64	29.1	67	27.3	67	29.0	69	27.5	71	25.7	70
75	53	21.9	53	25.3	53	28.5	58	237	58	26.7	58	25.1	62	24.9	62	24.7	62	26.0	65	25.6	65	25.9	67	25.3	69	24.3	75
80	50	20.4	50	22.0	50	25.3	55	22.4	55	24.8	55	21.8	59	23.5	59	21.9	59	23.7	63	23.8	63	23.0	66	22.5	68	22.7	80
85	47	19.3	47	19.3	47	22.4	53	21.2	53	22.8	53	19.1	57	22.3	57	19.5	57	21.5	61	22.1	61	20.4	64	19.8	66	21.0	85
90	43	18.2	43	17.0	43	20.1	50	20.1	50	20.8	50	16.7	55	20.7	55	17.3	55	19.3	59	20.3	59	18.1	62	18.0	65	18.9	90
95	40	17.3	40	14.8	40	17.9	47	18.8	47	18.8	47	14.7	53	18.9	53	15.3	53	17.4	57	18.5	57	16.0	60	16.5	63	16.9	95
100	36	16.4	36	12.9	36	16.0	44	17.5	44	16.8	44	12.9	50	17.2	50	13.3	50	15.5	54	16.6	54	14.2	58	15.0	61	15.2	100
110	27	14.3	27	9.7	27	12.8	38	15.0	38	13.5	38	9.5	45	14.4	45	9.9	45	12.2	50	13.3	50	10.8	54	12.1	57	12.2	110
120							29	12.4	29	11.0	29	6.8	39	11.5	39	7.3	39	9.5	45	10.7	45	8.4	50	9.5	53	9.5	120
130							18	10.2	18	8.8	18	4.8	32	9.3	32	5.3	32	7.3	40	8.4	40	6.0	46	7.3	50	7.3	130
140													23	7.4	23	3.5	23	5.4	34	6.6	34	4.5	41	5.4	45	5.4	140
150															<u> </u>				27	5.0	27	2.8	36	4.1	40	4.1	150
160													Ļ			0/			16	3.9			29	2.4	35	2.4	160
			_			40				10			opin	g sequ	ence			10		40					_	100	
Tel. 1		0		93		46		0		46		93		0		93		46		46		93		93		100	Tel. 1
Tel. 2		0		46		46		46		46		93		93	-	93	-	93		93	-	93		93	1	100	Tel. 2
Tel. 3		93		46		46		93		46		46		93	-	93	-	93		93	-	93		93	_	100	Tel. 3
Tel. 4		93		46 46		46 93		93	-	93	-	46 46		93	-	46 46	-	93 46		93 93	-	93 46	-	93	-	100 100	Tel. 4
Tel. 5		ઝ ડ		40		ઝ ડ		93		ઝ ડ		40		ઝ ડ		40		40		ઝ ડ		40		ઝ ડ		100	Tel. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Counterweight 28,660 lbs

Work.							Lit	fting ca	paci	ties in		outrigg	ers,	ding pe 360° w base 2	orkir	ng area		telesco	pic b	oom							Work.
Radius (ft)												Во	oom	length	(ft)												Radius (ft)
	1	28.9	1	28.9	1	28.9	0	43.4	0	43.4	0	43.3		57.5	0	57.5	1	57.5	1	71.9	0	71.9		86.0	1	96.9	
	_		7		7		_		7		_		7		7		7		7		_		7		7		
9																											9
10 12																10 12											
14	81 57 2 81 91 3 81 71 0 82 49 4 92 54 0 82 73 6														14												
16																16											
18																18											
20															20												
25	78 51.6 78 91.3 78 68.0 80 49.4 80 53.7 80 73.6 81 43.0 81 59.3 81 49.2															25											
30	76	45.9	76	83.8	76	61.9	78	47.2	78	50.1	78	73.3	80	43.0	80	59.3	80	49.2	81	38.8	81	47.6	82	37.5			30
35	74	41.4	74	70.6	74	56.8	76	42.8	76	45.9	76	68.0	78	42.0	78	58.0	78	48.1	79	38.8	79	47.0	80	37.5	81	30.9	35
40	72	37.5	72	55.6	72	52.2	74	39.1	74	42.2	74	55.3	76	39.5	76	54.4	76	45.9	78	38.6	78	45.7	79	37.4	80	30.9	40
45	69	34.1	69	46.8	69	46.9	71	36.1	71	39.1	71	46.6	74	36.7	74	47.0	74	42.7	75	36.9	75	42.9	77	36.3	78	30.9	45
50	66	31.3	66	38.8	66	41.2	69	33.3	69	36.5	69	38.7	72	34.1	72	39.2	72	37.7	74	34.7	74	37.0	76	34.4	77	30.9	50
55	64	28.9	64	32.1	64	35.6	67		67	34.0	67	32.1	70	31.8	70	32.5	70	32.7	72	31.8	72	31.5	74	31.2	75	29.8	55
60	61	26.8	61	26.8	61	30.3	65	28.8	65	31.1	65	26.7	68	29.6	68	27.2	68	28.2	71	28.5	71	27.1	73	27.2	74	27.4	60
65	58	24.9	58	22.6	58	25.9	62	26.9	62	26.4	62	22.4	66	26.6	66	23.0	66	24.3	68	25.5	68	23.4	70	24.0	72	24.4	65
70 75	56 53	22.9	56 53	19.0 15.9	56 53	22.4 19.3	60 58	23.9	60 58	23.1	60 58	18.9 15.9	64 62	23.7	64 62	19.4 16.3	64 62	21.5 18.8	67 65	22.6 19.9	67 65	20.3	69 67	20.9	71 69	18.6	70 75
80	50	18.8	50	13.3	50	16.6	55	19.2	55	17.7	55	13.3	59	18.4	59	13.8	59	16.2	63	17.3	63	14.7	66	16.0	68	16.2	80
85	47	17.3	47	11.2	47	14.5	53	16.9	53	15.4	53	11.2	57	16.0	57	11.6	57	14.0	61	14.9	61	12.5	64	13.8	66	13.8	85
90	43	15.3	43	9.3	43	12.6	50	15.0	50	13.3	50	9.3	55	14.1	55	9.7	55	12.0	59	13.0	59	10.6	62	11.9	65	11.9	90
95	40	13.5	40	7.6	40	10.9	47	13.3	47	11.6	47	7.6	53	12.4	53	8.1	53	10.3	57	11.4	57	9.0	60	10.2	63	10.3	95
100	36	11.9	36	6.2	36	9.3	44	11.6	44	10.2	44	6.1	50	10.8	50	6.6	50	8.8	54	9.9	54	7.5	58	8.6	61	8.8	100
110	27	9.4	27	3.7	27	6.8	38	9.1	38	7.6	38	3.5	45	8.1	45	4.1	45	6.1	50	7.4	50	5.0	54	6.1	57	6.1	110
120							29	7.0	29	5.4			39	6.2			39	4.2	45	5.2	45	3.0	50	4.0	53	4.0	120
130							18	5.3	18	3.9			32	4.4			32	2.4	40	3.5							130
140 150													23	2.9													140 150
160																											160
160			ш		ш							Teleso	onin	g seque	ence	%	ш		ш								160
Tel. 1		0		93		46		0		46		93	Spill	<u>g sequi</u> 0		93		46		46		93		93		100	Tel. 1
Tel. 2		0		46		46		46		46		93		93		93		93		93		93		93		100	Tel. 2
Tel. 3		93		46		46		93		46		46		93		93		93		93		93		93		100	Tel. 3
Tel. 4		93		46		46		93		93		46		93		46		93		93		93		93		100	Tel. 4
Tel. 5		93		46		93		93		93		46		93		46		46		93		46		93		100	Tel. 5

Counterweight 0 lbs

											Lifting o	capa	cities i	ո 1,0	000 lbs	acc	ording p	er S	SAE J76	65 oı	n telesc	opic	boom											
														0			s, 360°			ea														Į.
Work.															Outr	rigg	er base	27.	23 ft															Work.
Radius																_																		Radius
(ft)																Boo	m lengt	h (ft)															(ft)
		43.3	2	ء ا	57.7		57.7		71.9		71.9		71.9	ı -	71.9		83.3		86.3		86.3	I 1	00.4	Ιı	00.4	1	00.4	l 1	14.8		14.8	1 1	114.8	
	۰	40.0	ĺ	۰	.,	۰	Jr . r	۰	1.3	۰	1.5	۰	1.3	۰	1.3	۰	I	۰	JU.3		I	۰	1	۰	00.4	۰	00.4	۰	14.0	۰	14.0	۰	14.0	
		1)		2				2		2		Z		2		2		2		2		2		2		7		2		1		12		
9																																		9
10		326.0*		76			264.5*	79	85.5	79			255.0*			81	88.9	81	116.5	81	196.5													10
12			274.0*	73	110.0		260.0*	77	79.7				252.5*		223.0		83.6	80			196.5	82			109.5		162.5							12
14			235.5						74.6	75	113.0	75	233.5	75	222.0		78.9	78			196.5				109.5									14
16				69	98.5	69		73	69.9	73			203.5			77	74.3	77	113.5				63.7		109.5		145.5		65.0	81	99.5		121.5	16
18				67	93.7		180.5	72	65.9	72		72	178.5		183.0		70.2	76	109.0						109.5		136.5	80	61.5	80			119.5	18
20		156.0			89.1		156.0	71	62.1	71		71	152.5	71			66.2	74	104.5						109.0		127.1	79	58.2	79			117.0	20
25	45	97.7	95.9	59	79.7	59	95.6	66	54.6	66	87.4	66	91.0	66		71	58.1	71	94.3	71		74		74		74	91.4	76	51.6	76		76		25
30	32	66.2	62.0	52	65.3	52	61.6	62	48.5	62	69.7	62	59.6	62		67	51.5	67	72.4	67		71		71		71	60.0	74	46.1	74	68.7	74		30
35				45	49.6	45	43.8	56	43.7	56	52.5	56 51	41.9	56	46.1	63	46.2	63	53.0	63	44.2	68	39.2	68		68	42.2	71	41.7	71	49.8	71	45.0	35
40				37	38.0	37	32.5	51	39.3	51	40.4	51	31.0	51	34.7	59	40.8	59	41.1	59		65		65		65	31.2	69	37.8	69	38.4	69		40
45				26	29.8	26	24.2	45	32.4	45 39	32.4	45 39	22.9	45	26.6	55	34.3	55	32.8	55		62		62	32.0	62	23.1	66	33.3	66	30.2	66		45
50						ш		39	26.4	39	26.2	39	16.9	39	20.6	50	28.4	50	26.7	50	19.1	58	28.2	58		58	17.2	63	28.7	63	24.0	63		50
55						ш		31	21.6	31		31	12.2	31	15.8	46	23.6	46	21.8	46		54		54		54	12.5	59	24.4	59		59		55
60						ш		22	17.5	22	17.1	22	8.3	22	11.8	41	19.7	41	17.9	41		50		50		50	8.7	56	20.6	56		56		60
65																35	16.5	35	14.5	35	7.4	46		46		46	5.7	53	17.4	53	12.1	53		65
70																27	13.9	27	12.0	27	5.1	42		42		42	2.6	50	14.8	50		50		70
75						ш										20	11.4	20	9.7	20		37		37	9.0			47	12.5	47	7.6	47	3.1	75
80																						31		31	7.1			43	10.6	43		<u> </u>	-	80
85																-		.		.		24		24	5.6			39	8.9	39		1		85
90																						18	7.2	18	4.1			34	7.6	34	3.1	<u> </u>	-	90
95																												29	6.3	1		<u> </u>	-	95
100																<u> </u>												23	5.1	1		1		100
110						Н																								1		1		110
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150				\vdash		\vdash				\vdash						\vdash		-				-		\vdash						1			-	150
150										_					Talas	cor	ing sec	llen	co %	<u> </u>		Ь								1		<u> </u>	l	150
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Counterweight 81.570 lbs

	ıcı	weig	ht 81	,51	U ID	_																												
											Lifting o	capa	icities ir				ording p s, 360°				n telesc	opic	boom											
Nork.														U			s, 360° er bas e			ea														Work.
Radius															Outi	igg	ei base	: 10.	37 11															Radius
(ft)															1	Boo	m lengt	h (ft))															(ft)
		43.3	3	5	57.7		57.7	7	71.9	1 3	71.9	1 3	71.9		71.9		83.3		36.3		86.3		100.4	1	00.4		00.4		14.8	1	14.8		14.8	
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9	71	400.0*		_		_		_		_		_				_		_		_		_		_		_		_		_		_		9
			287.0*	76	117 0	76	264.5*	79	85.5	79	120.5	79	255.0*	79	223.0	81	88.9	81	116.5	81	196.5													10
							264.5*				118.5				223.0						196.5	82	73.0	82	109.5	82	162.5							12
				71			253.5*	75	74.6								78.9		116.5		196.5				109.5		156.0							14
				69	98.5	69	227.0	73	69.9	73							74.3	77				79	63.7	79	109.5	79	145.5	81	65.0	81	99.5	81	121.5	16
18	58	220.5	194.0	67	93.7		210.0	72	65.9	72	102.5	72	208.5	72	200.5	76	70.2	76	109.0	76	168.5	78	60.0	78	109.5	78	136.5	80	61.5	80	99.5	80	119.5	18
20	54	197.0	177.0	65	89.1	65	195.0	71	62.1	71	98.3	71	194.5	71	188.5	74	66.2	74	104.5	74	146.0	77			109.5		127.5	79	58.2	79	99.5	79	117.0	20
		156.5	124.5	59	79.7	59		66	54.6	66		66	155.0				58.1	71		71		74	49.4	74	100.0	74	101.5	76	51.6	76	98.3	76	98.5	25
30	32	128.0	90.2	52	72.1	52	128.0		48.5	62	77.7	62	127.0		129.5	67	51.5	67		67		71		71	88.9	71	80.3	74	46.1	74	83.2	74	79.0	30
35				45	66.2	45	107.5		43.7	56		56		56	109.5			63		63		68		68		68	65.0	71	41.7	71	69.1	71	64.9	35
40				37	60.4	37	93.0	51	39.7	51		51		51	90.3	59	41.9	59	63.3	59		65		65		65	53.9	69	38.0	69	58.4	69	54.3	40
45				26	50.0	26	76.7	45	36.5	45	58.5	45	74.6	45	77.7	55	38.4	55	52.7	55	46.0	62	32.3	62		62	44.3	66	35.0	66	49.9	66	46.1	45
50								39	33.9	39		39		39		50	35.4	50		50		58		58		58	36.8	63	32.3	63	42.4	63	38.7	50
55								31	31.6	31		31		31	56.7	46	32.8	46	38.2	46		54		54	37.6	54	30.6	59	30.0	59		59	32.4	55
60								22	29.6	22	47.2	22	45.7	22	48.5	41	30.5	41		41		50		50	32.3	50	25.5	56	27.9	56		56	27.4	60
65																35	28.7	35	28.7	35	22.8	46		46	28.1	46	21.4	53	26.2	53		53	23.2	65
70																27	26.5	27		27		42		42		42	18.1	50	24.7	50	23.3	50	19.9	70
75																20	24.3	20	21.9	20		37		37		37	15.2	47	23.3	47	20.3	47	17.0	75
80																						31		31		31	12.7	43	21.8	43	17.7	43	14.4	80
85										ш												24		24		24	10.5	39	19.7	39		39	12.3	85
90										ш												18	17.8	18	14.5	18	8.3	34	17.9	34	13.7	34	10.5	90
95																												29	16.1	29		29	8.9	95
100																1								\vdash				23	14.5	23	10.5	23	7.2	100
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ГеІ. 4		0			0		0		0		46		0		0		46		46		0		93		46		0		93		46	İ	46	Tel. 4
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¹⁾ Over rear with superstructure pin engaged

*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

¹⁾ Over rear with superstructure pin engaged

*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Counterweight 0 lbs

Coun	iter	weig	nτ	0 lbs																							
							L	ifting ca	apac	ities in				ding pe 360° w				telesco	pic b	ooom							
Work.											On			base 2			1										Work.
Radius												Outrig	gei	Dase 2) IL											Radius
(ft)												В	oom	length	(ft)												(ft)
	1	28.9	l 1	28.9	I 1	28.9	l 1	43.4	l 1	43.4	l 1	43.3	l 1	57.5	l 1	57.5	1 1	157.5	I 1	71.9	l 1	71.9	1 1	86.0	l 1	96.9	
	٥		۰		۰		۰	-101	۰	10.4	۰		۰		۰	07.0	۰		۰		۰	11.5	٥	00.0	۰	50.5	
	7		_		7		_		_		_		_		7				7		_		_		_		
9 10																	-		1								9
12																	-		1								10 12
14																	1		+								14
16																			1								16
18																			1								18
20	81	57.2	81	91.3	81	71.0	82	49.4	82	54.0																	20
25	78	51.6	78	87.0	78	68.0	80	49.4	80	53.7																	25
30	76	45.9	76	66.3	76	61.4	78	47.2	78	50.1																	30
35	74	41.4	74	47.8	74	49.1	76	42.8	76	45.9																	35
40	72	37.4	72	36.5	72	37.8	74	38.8	74	38.9																	40
45	69	33.0	69	28.4	69	31.8	71	34.0	71	32.5									1								45
50 55	66 64	28.4	66 64	22.2 17.3	66 64	26.0 21.0	69 67	28.4	69 67	26.8 22.0							-		1								50 55
60	61	20.1	61	13.3	61	17.1	65	19.7	65	18.1							-		1								60
65	58	16.9	58	10.3	58	14.0	62	16.5	62	14.7									1								65
70	56	14.5	56	7.9	56	11.3	60	13.9	60	12.3									1								70
75	53	12.2	53	5.8	53	9.1	58	11.6	58	10.1							1										75
80	50	10.2	50	3.9	50	7.3	55	9.7	55	8.2																	80
85	47	8.7			47	5.6	53	8.0	53	6.7																	85
90	43	7.2			43	4.4	50	6.8	50	5.2																	90
95	40	5.9			40	3.3	47	5.7	47	3.9																	95
100	36	4.8					44	4.6	44	2.7																	100
110	27	3.1					38	2.9							<u> </u>												110
120															1		1		1								120
130															-				-								130
140 150															-				-								140 150
150	ш		Щ		Щ.		ш		Щ		Щ	Talass	onin	g segu	ence	%	1		1		ш						150
Tel. 1		0		93		46		0		46		93	JPIII	<u>g sequ</u>		93		46		46		93		93		100	Tel. 1
Tel. 2		0		46		46		46		46		93		93		93		93		93		93		93		100	Tel. 2
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Tel. 4		93		46		46		93		93		46		93		46		93		93		93		93		100	Tel. 4
Tel. 5		93		46		93		93		93		46		93		46		46		93		46		93		100	Tel. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Counterweight 81,570 lbs

Coun	ıcı	weig	111	01,51	V I	D3																					
							Ĺ	ifting ca	pac	ities in								telesco	pic b	oom							
											On			360° w													
Work.												Outrig	ger	base 1	8.37	ft											Work.
Radius												_			(e.)												Radius
(ft)												В	oom	length	(ft)												(ft)
							٠.			40.4		40.0								- 4.0		74.0					
	1.	28.9	1	28.9	1	28.9	1	43.4	1	43.4	1	43.3	1	57.5	1	57.5	1	57.5	1	71.9	0	71.9	1	86.0	1	96.9	
	ŭ		١.		ŭ		Ĭ		ŭ						ŭ				ŭ		ŭ		Ĭ		ŭ		
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9																											9
10																											10
12																											12
14 16																											14 16
18 20	81	57.2	04	04.0	81	71.0	82	49.4	82	54.0	82	73.6															18 20
		51.6	81	91.3								73.6	04	40.0	0.4	50.0	0.4	40.0									25
25 30	78 76		78	91.1	78 76	68.0	80	49.4	80	53.7	80		81	43.0	81	59.3 59.3	81	49.2	0.4	20.0	0.4	47.C	00	27.5			30
		45.9	76	77.8		61.9	78	47.2	78	50.1	78	72.7	80	43.0	80		80	49.2	81	38.8	81	47.6	82	37.5	0.4	00.0	35
35	74	41.4	74	64.4	74	56.8	76	42.8	76	45.9	76	62.2	78	42.0	78	58.0	78	48.1	79	38.8	79	47.0	80	37.5	81	30.9	
40	72	37.5	72	54.1	72	52.4	74	39.1	74	42.2	74	52.2	76	39.5	76	51.3	76	45.9	78	38.6	78	45.7	79	37.4	80	30.9	40
45	69	34.1	69	45.8	69	48.6	71	36.1	71	39.1	71	44.8	74	36.7	74	43.9	74	42.7	75	36.9	75	42.9	77	36.3	78	30.9	45
50	66	31.3	66	39.8	66	43.2	69	33.3	69	36.5	69	38.9	72	34.1	72	38.2	72	39.5	74	34.7	74	40.0	76	34.4	77	30.9	50
55	64	28.9	64	34.4	64	37.6	67	30.9	67	34.2	67		70	31.8	70	33.4	70	35.8	72	32.5	72	35.8	74	32.2	75	30.0	55
60	61	26.8	61	29.4	61	32.5	65	28.8	65	31.8	65	29.2	68	29.9	68	29.3	68	31.6	71	30.5	71	30.5	73	29.8	74	28.2	60
65	58	24.9	58	25.2	58	28.3	62	26.9	62	28.8	62	25.0	66	28.0	66	25.6	66	27.6	68	28.5	68	26.5	70	26.6	72	26.1	65
70	56	23.4	56	21.7	56	24.8	60	25.2	60	25.5	60	21.7	64	25.7	64	22.2	64	24.2	67	25.3	67	23.1	69	23.6	71	23.6	70
75	53	21.9	53	18.9	53	21.9	58	23.3	58	22.5	58	18.8	62	23.2	62	19.2	62	21.2	65	22.3	65	20.1	67	20.7	69	21.1	75
80	50	20.4	50	16.4	50	19.3	55	21.3	55	20.0	55	16.2	59	20.6	59	16.6	59	18.6	63	19.7	63	17.5	66	18.2	68	18.6	80
85	47	19.3	47	14.2	47	17.1	53	19.1	53	17.8	53	14.0	57	18.2	57	14.5	57	16.4	61	17.5	61	15.3	64	16.0	66	16.4	85
90	43	17.4	43	12.4	43	15.1	50	17.2	50	15.9	50	12.2	55	16.3	55	12.6	55	14.6	59	15.7	59	13.5	62	14.1	65	14.6	90
95	40	15.8	40	10.6	40	13.4	47	15.5	47	14.2	47	10.5	53	14.7	53	11.0	53	12.9	57	13.9	57	11.8	60	12.4	63	12.9	95
100 110	36 27	14.3 11.6	36 27	9.1 6.5	36 27	11.9 9.4	44 38	13.9 11.4	44 38	12.6 10.1	44 38	9.1 6.5	50 45	13.2 10.6	50	9.5 7.0	50 45	11.5 8.8	54 50	12.4 9.8	54 50	10.4 7.7	58 54	10.8 8.3	61 57	11.4 8.7	100 110
110	21	0.11	21	0.0	21	9.4	38 29	9.2	29	8.0	29	4.5	39	8.4	45 39	4.9	39	6.7	45	7.8	45	5.6	50	6.1	53	6.7	110
130							18	7.5	18	6.2	18	2.5	32	6.6	32	2.9	32	5.1	40	5.9	40	4.0	46	4.4	50	5.0	130
140							10	7.5	10	0.2	10	2.5	23	5.2	32	2.9	23	3.5	34	4.6	34	2.6	40	2.7	45	3.5	140
150													23	5.2			23	3.5	27	3.2	34	2.0	41	2.1	43	ა.၁	150
150	L		—		ш		_		ш		_	Teleso	onin	g segue	ance	%	_		21	3.2	ш		—		ш		130
Tel. 1		0		93		46		0		46		93	Opini	<u>g seque</u> ()		93		46		46		93		93		100	Tel. 1
Tel. 2		0		46		46		46		46		93		93		93		93		93		93		93		100	Tel. 2
Tel. 3		93		46		46		93		46		46		93		93		93		93		93		93		100	Tel. 3
Tel. 4		93		46		46		93		93		46		93		46		93		93		93		93		100	Tel. 4
Tel. 5		93		46		93		93		93		46		93		46		46		93		46		93		100	Tel. 5
101.0				.•															<u> </u>				1		<u> </u>		101.0

Counterweight 55.115 lbs

Cour		WCI	giit o	<u>, , , , , , , , , , , , , , , , , , , </u>	10 11	,,,				Lif	fting ca	nac	ities in	1 0	∩∩ lhe	200	ordina	nor	SAE J	765	on tolo	ecol	nic hoc	m										
										LII	illing Ca	ipac	illes III						rking a		on tele	SCU	pic boo	111										
Work.														Oi			er base			Ca														Work
Radius															<u> </u>	.55	<u> </u>																	Radiu
(ft)															E	300	m leng	th (f	t)															(ft)
		43.	3		57.7	1	57.7	1	71.9	1 7	71.9	Ι:	71.9	1	71.9	1	83.3	l	86.3		86.3	1	00.4	1	00.4	1	100.4	1	14.8	1	14.8	1	14.8	
	°	1)		°		0		,		0		°		0		,		0		°		0		°		0		,		0		0		
9	71	400.0*				1		_						r		ľ		ľ		_		1				Γ		Ι-				ľ		9
10	70	350.5*	280.5*	76	117.0	76	264.0*	79	85.5	79	120.5	79	255.0*	79	223.0	81	88.9	81	116.5	81	196.5							İ						10
12	67	315.5*	251.5*				251.5*		79.7						223.0				116.5				73.0	82	109.5	82	162.5	İ						12
14	64	267.0*	227.0	71	104.0	71	221.5	75	74.6	75	112.5	75	200.5	75	205.0	78			116.5				68.1	80	109.5	80	156.0							14
16	61	233.5	204.0	69	98.5	69	185.0	73	69.9	73	107.5	73	181.5	73	170.0	77	74.3	77	113.5	77	153.0	79	63.7	79	109.5	79	137.0	81	65.0	81	99.5	81	122	16
18	58	208.5	175.0	67	93.7	67	157.0	72	65.9		102.5		152.0	72	145.5	76	70.2	76	109.0	76	132.0		60.0	78	109.5	78	119.5			80	99.5	80	112	18
20	54	186.5	145.5	65	89.1	65	132.5	71	62.1	71	98.3	71	120.0	71	124.5	74	66.2	74		74	113.5	77	56.6	77	108.5	77	104.0	79	58.2	79	98.0	79	####	20
25		148.0		59	79.7	59	95.5	66	54.6			66		66	92.1	71	58.1	71	91.5	71	84.4	74	49.4	74	87.2	74	78.0	76		76	80.9	76		25
30	32	117.0			71.5		69.2			62		62	67.1	62		67	51.5	67	73.8	67	65.2	71	43.8	71	69.2	71	59.9	74	46.1	74	63.9	74	59.7	30
35				45	57.6	45	52.7	56		56		56	51.1	56		63	46.2	63		63	52.5	68	39.2	68	56.7	68	48.6	71	41.7	71	52.8	71	48.5	35
40				37	46.1	37		51		51		51		51		59		59		59		65	35.5	65	47.5	65		69	38.0	69	43.9	69		40
45				26	37.7	26	33.3		36.5		40.0	45	31.9	45		55		55	60.4	55	33.7	62	32.3	62	39.6	62	32.0	66	35.0	66	37.2	66		45
50								39	32.7	39	33.4	39	25.8	39		50		50		50		58	29.7	58	33.2	58	26.0	63	32.3	63	31.4	63	27.8	50
55								31	28.5			31	20.7	31		46		46		46		54	27.4	54	28.0	54	21.0	59	29.7	59	26.5	59		55
60								22	24.1	22	23.9	22	16.4	22	19.2		26.0	41	24.3	41		50		50	23.8	50		56		56	22.3	56		60
65																35	22.5	35		35		46		46	20.3	46		53	23.4	53	18.7	53	15.4	65
70																27	19.7	27		27	12.2	42		42	17.5	42		50	20.6	50	16.1	50		70
75																20	17.0	20	15.5	20	9.5	37		37	15.1	37	8.6	47	18.1	47	13.8	47	10.3	75
80																						31	15.6		13.0	31		43	15.8	43	11.7	43		80
85																						24		24	11.1	24	5.0	39	14.0	39	9.8	39		85
90																						18	11.9	18	9.3	18	3.3	34	12.5	34	8.3	34		90
95										Ш																		29	11.1	29	6.9	29	3.8	95
100																		1										23	9.7	23	5.5	1		100
110										Ш																		<u> </u>		Ш				110
120						\sqcup				H								1						\sqcup				1		\vdash		1		120
130						\sqcup				H								1						\sqcup				1		\vdash		1		130
140										H								-										1		H		-		140
150				Ш						Ш				Ш		<u> </u>	<u> </u>	<u> </u>				Ш		Ш		Ш				Ш		<u> </u>	L	150
Tel. 1		0			0		0	П	0		0		46		0	cop	oing sed	uei	nce % 0		46		0		0		93		0		46		93	Tel. 1
Tel. 2		0			0		46	H	0		0		46		46		0		0		46		0		46		46	H	0		46		46	Tel. 2
Tel. 3		0			0		0	H	0		0		0		46		0		46		46		0		46		46	H	46		46		46	Tel. 3
Tel. 4		0			0		0		0		46		0		0		46	H	46		0		93		46		0	H	93		46	H	46	Tel. 4
Tel. 5		0			46		0	t	93		46		0		0		93		46		0		93		46		0	t	93		46		0	Tel. 5
			superstr						33		- U		J		U	<u> </u>	33	1	+0		U	1	33		- U	<u> </u>	U		JJ		70	1	U	1 61. 0

Counterweight 0 lbs

Ooui	110	IWCI	gnt v	ID.	3																												
										Lif	fting ca	apac	ities in								on tele	scop	oic boo	m									
														Or			s, 360°			ea													
Work.															Outr	igg	er base	18	.37 ft														Work.
Radius																																	Radius
(ft)															E	300	m lengt	h (f	:)														(ft)
	١.	43.	3		57.7	1 3	57.7		71.9	1 7	71.9		71.9		71.9		83.3		86.3		86.3		00.4	10	0.4		00.4		14.8	1	14.8	114.8	
	٥			٥		٥		۰		٥		٥		٥		٥		٥		٥		٥		٥		٥		٥		٥		٥	
	Z							Z				4		Z		7		2		7		4		Z		Z		4		Ζ		Z	
9																																	9
10	70						192.0			79	120.5	79	155.0	79	162.0	81	88.9	81	116.5	81	134.6												10
12	67		164.5	73	110.0		137.0						114.0							80	102.7	82	73.0										12
14	64		120.5	71	104.0	71	103.5	75	74.6	75	103.0	75	88.7	75	94.4	78	78.9	78	93.0	78	81.6	80	68.1										14
16	61		93.1	69	89.9	69	82.1	73	69.9	73	84.3	73	71.2	73	76.2	77	74.3	77	77.2	77	66.5	79	63.7										16
18	58			67		67		72	65.7			72	59.2		64.1	76		76	66.0			78	59.6										18
20	54		62.3			65	56.0			71		71		71		74	58.9	74	56.2	74	46.2	77	55.2										20
25	45			59	43.8		37.8	66	43.6		43.3			66		71	43.3	71	40.9	71	32.3	74	41.1										25
30	32		25.8	52	31.0	52	25.6 17.4	62	32.5	62	32.3	62	22.4	62	26.2	67	32.8	67	30.6	67		71	31.5										30
35				45	22.3		17.4	56	24.9	56		56	15.6	56	19.2			63	23.8	63		68	25.1										35
40				37		37	11.8		19.0		18.8			51		59	20.8	59	18.7	59		65	20.3										40
45				26	12.1	26	7.6	45	14.5	45		45	6.3	45	9.4	55	16.5	55	14.6	55	8.0	62	16.6										45
50								39	11.2		10.9			39		50	13.1			50	4.3	58	13.4										50
55								31		31	8.2			31	3.4	46	10.3	46	8.5			54	10.7										55
60								22	6.2	22	6.0					41		41	6.3			50	8.5										60
65								Ш								35		35	4.6			46	6.6										65
70								Ш								27	4.8	27	3.1			42	5.1										70
75						1										20	3.4					37	3.6										75
80						1										<u> </u>						Ш											80
85 90						\perp		+		₽						-						H											85 90
				-		+		+		-						┢		-		\blacksquare		+		-						\dashv			
95 100	\vdash			\vdash		\vdash		+		H										\vdash		H		$\vdash\vdash$		\vdash				\vdash			95 100
110	\vdash			\vdash		\vdash		+		H										\vdash		H		$\vdash\vdash$		\vdash				\vdash			110
120	\vdash			\vdash		\vdash		+		\vdash		\vdash		\vdash								Н				\vdash				\vdash			120
130	\vdash			\vdash		\vdash		+		\vdash		\vdash		\vdash								Н				\vdash				\vdash			130
140						+				H								H				H		H		\vdash				\dashv			140
150	\vdash			\vdash		+				H				H				H						H		H		\vdash		\dashv			150
100	11														Teles	con	ing sec	nuei	nce %			 								_			100
Tel. 1		0			0		0		0		0		46		0		0		0		46		0	(0		93		0		46	93	Tel. 1
Tel. 2	1	0			0		46		0	1	0		46		46		0	t	0		46		0		16		46		0		46	46	Tel. 2
Tel. 3		0			0		0		0		0		0		46		0		46		46		0		16		46		46		46	46	Tel. 3
Tel. 4		0			0		0		0	1	46		0		0		46		46		0		93		16		0		93		46	46	Tel. 4
Tel. 5		0			46		0		93	İ	46		0		0		93		46		0		93	_	16		0		93		46	0	Tel. 5
1) Over	roa		cuporeti	ructi	ıro nin	ong	agod																										

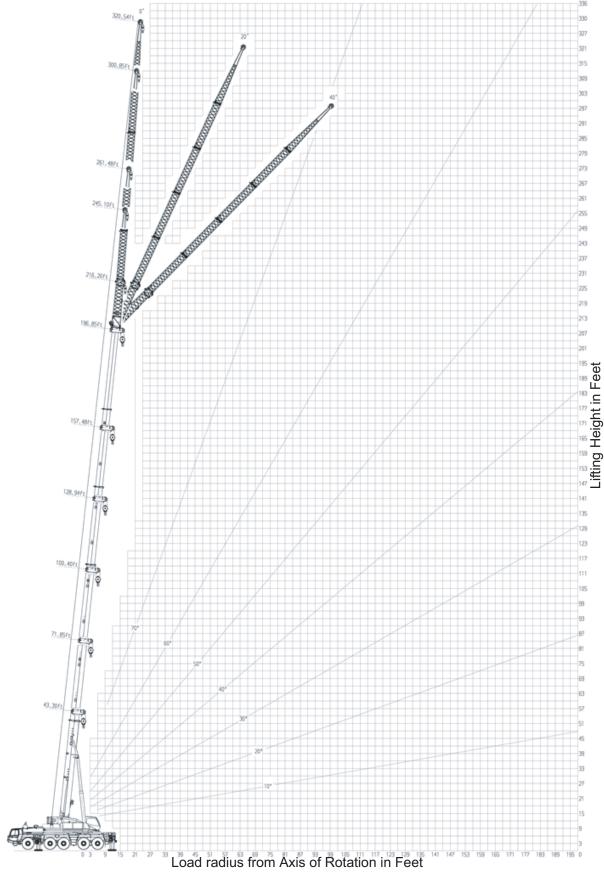
¹⁾ Over rear with superstructure pin engaged
*With additional lifting equipment.
Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

¹⁾ Over rear with superstructure pin engaged
*With additional lifting equipment.
Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

Counterweight 55,115 lbs

Coun	iter	weig	nτ	<u> </u>	10	IDS																					
							L	ifting ca	apac	cities in						AE J765		telesco	pic l	nooc							
											On	- 0	•			ng area											
Work.												Outri	ggei	base '	18.3	/ ft											Work.
Radius (ft)												ь	00m	length	(f+)												Radius (ft)
(11)												Ь	OUIII	lengui	(11)												(11)
	1	28.9	l 1	28.9	I 1	28.9	l 1	43.4	l 1	43.4	I 1	43.3	l 1	57.5	-	157.5	l 1	157.5	l 1	71.9	l 1	171.9	I 1	86.0	I 1	96.9	
	۰		٥	20.0	٥	20.0	۰			1	۰	10.0	۰	l	٥	07.0			۰		۰	i	۰	I	٥		
	2				/				2		7		2		2		2		Z		2		2		2		
9																											9
10																											10
12																											12
14																											14
16																											16
18	0.4	F7.0	0.4	00.4	0.4	74.0	00	40.4	00	54 C	00	70.0															18
20	81	57.2	81	90.4	81	71.0	82	49.4	82	54.0	82	73.6	0.4	40.0	0.4	50.0	0.4	40.0									20
25	78 76	51.6 45.9	78	74.8 58.9	78	68.0 61.6	80	49.4 47.2	80 78	53.7 50.1	80 78	69.4 56.9	81 80	43.0 43.0	81 80	59.3 55.0	81 80		81	38.8	81	47.6	82	37.5			25 30
30 35	74	45.9	76 74	48.8	76 74	52.4	78 76	47.2		45.9	78 76	46.7	78	43.0	78	45.5	78		79	38.8	79		82	37.5	81	30.9	35
40	72	37.5	72	40.4	72	44.1	74	39.1	76 74	41.9	74	38.9	76	39.5	76	38.1	76		79 78	38.3	78		79	36.9	80	30.9	40
45	69	34.1	69	34.2	69	37.6	71	36.1	71	36.9	71	32.7	74	36.5	74	32.2	74		75	34.3	75		77	32.2	78	30.9	45
50	66	31.3	66	29.2	66	32.5	69	33.3	69	32.4	69	28.0	72	32.1	72	27.5	72	29.9	74	30.2	74	27.7	76	28.0	77	27.4	50
55	64	28.9	64	24.8	64	28.0	67	29.9	67	28.4	67	24.0	70	28.1	70	23.7	70		72	26.5	72	23.9	74	24.3	75	23.8	55
60	61	26.4	61	20.7	61	23.8	65	26.0	65	24.7	65	20.5	68	24.8	68	20.4	68		71	23.1	71	20.7	73	21.1	74	20.7	60
65	58	22.9	58	17.4	58	20.3	62	22.7	62	21.2	62	17.2	66	21.8	66	17.7	66		68	20.4	68		70	18.6	72	18.2	65
70	56	20.1	56	14.6	56	17.5	60	19.8	60	18.4	60	14.4	64	19.0	64	15.1	64		67	18.0	67	15.7	69	16.4	71	15.9	70
75	53	17.7	53	12.2	53	15.1	58	17.3	58	16.0	58	12.1	62	16.5	62	12.7	62	14.6	65	15.6	65	13.5	67	14.2	69	14.0	75
80	50	15.6	50	10.2	50	13.0	55	15.2	55	13.9	55	10.1	59	14.3	59	10.6	59		63	13.5	63	11.4	66	12.1	68	12.4	80
85	47	13.8	47	8.5	47	11.3	53	13.3	53	12.0	53	8.3	57	12.7	57	8.7	57	10.7	61	11.8	61	9.6	64	10.3	66	10.7	85
90	43	12.1	43	7.0	43	9.8	50	11.8	50	10.5	50	6.7	55	11.0	55	7.2	55	9.2	59	10.3	59	8.1	62	8.7	65	9.2	90
95	40	10.7	40	5.6	40	8.4	47	10.4	47	9.1	47	5.4	53	9.6	53	5.9	53		57	8.9	57	6.8	60	7.3	63	7.8	95
100	36	9.6	36	4.3	36	7.1	44	9.1	44	7.8	44	4.3	50	8.4	50	4.7	50		54	7.6	54	5.6	58	6.0	61	6.5	100
110	27	7.4			27	4.9	38	6.9	38	5.8			45	6.3			45 39	4.5 2.8	50	5.6	50	3.4	54	4.0	57	4.5	110
120 130							29 18	5.3 3.9	29	4.1			39 32	4.5 3.0			39	∠.ర	45	3.7					53	2.8	120 130
140							ΙŎ	3.9					32	3.0													140
150																											150
160																											160
170																											170
180																											180
190																											190
												Teleso	copir	ng sequ	enc	e %											
Tel. 1		0		93		46		0		46		93		0		93		46		46		93		93		100	Tel. 1
Tel. 2		0		46		46		46		46		93		93		93		93		93		93		93		100	Tel. 2
Tel. 3		93		46		46		93		46		46		93		93		93		93		93		93		100	Tel. 3
Tel. 4		93		46		46		93		93		46		93		46		93		93		93		93		100	Tel. 4
Tel. 5		93		46		93		93		93		46		93		46		46		93		46		93		100	Tel. 5

ATF160G-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 112,435 lbs

Count	erv	veigi																	
			L	ifting c	ара	cities ir				cording				on fly ji	b 17	7.72 ft			
							On	outrigg	gers	, 360° \	work	king are	ea						
Working								Outri	gge	r base	27.	23 ft							Working
Radius		Boo	m le	ngth 4	3.3	ft	Во	om len	gth	43.3 ft	to 1	86.0 ft	Вс	om len	gth	43.3 ft	to 19	96.9 ft	Radius
(ft)																			(ft)
		F		17.72	ft			F		o 17.72	ft			F		17.72	ft		
			C	ffset					C	ffset					0	ffset			
		0°	١.	20°		40°		5°		20°		40°		5°		20°		40°	
	0		0		٥		0		٥		0		0		0		٥		
	_		_		_		_		_		4		_		_		_		
10	76	72.8																	10
12	74	68.7	79	51.4															12
14	72	65.7	77	49.3		40.0													14
16	70	63.0	75	47.9	79	40.3													16
18	68	60.0	74	46.4	78 76	39.8													18
20	66	57.0	72	45.0	76	39.4													20
25 30	61 55	51.8	66	42.6	70	38.2													25
		47.3	60 54		63 57	37.2	00	22.0											30
35 40	49 42	43.9 41.2	54 47	38.9 37.8	50	37.0 37.0	80 79	23.0	81	20.2			80	20.4					35 40
45	34	39.0	39	37.0	50	37.0	78	20.9	79	19.3			79	19.4	80	18.0			45
50	22	37.6	39	31.2			77	19.9	78	18.5	00	175	78	18.5	79	17.3	90	16.4	50
55	22	37.0					75	19.9	77	17.7	80 78	17.5 16.9	76	17.7	78	16.6	80 79	15.8	55
60							74	18.4	76	17.1	77	16.4	75	17.1	77	16.0	78	15.3	60
65							73	17.5	74	16.6	75	15.9	74	16.4	75	15.5	76	14.8	65
70							72	16.8	73	16.1	74	15.4	73	15.7	74	15.0	75	14.3	70
75							70	16.3	71	15.6	72	14.9	71	15.1	73	14.5	74	13.9	75
80							69	15.7	70	15.1	71	14.5	70	14.6	72	14.0	73	13.6	80
85							67	15.0	69	14.6	69	14.1	69	14.1	70	13.5	71	13.2	85
90							66	14.5	68	14.1	68	13.8	68	13.6	69	13.1	70	12.9	90
95							64	14.1	66	13.6	66	13.4	66	13.1	67	12.7	68	12.5	95
100							63	13.7	64	13.1	65	12.9	65	12.7	66	12.2	67	12.0	100
110							59	12.9	60	12.4	61	12.2	61	12.0	63	11.6	63	11.3	110
120							56	12.2	57	11.8	58	11.6	58	11.3	59	11.0	60	10.9	120
130							53	11.5	54	11.3	54	11.1	55	10.8	56	10.4	57	10.4	130
140							49	11.0	50	10.8	51	10.7	52	10.4	53	10.1	54	9.9	140
150							45	10.6	46	10.4	46	10.4	49	9.9	50	9.6	50	9.5	150
160							41	10.1	42	9.9	42	10.1	45	9.4	46	9.1	46	9.1	160
170							35	8.9	36	8.9			40	8.8	41	8.6	41	8.6	170
180							29	7.7	29	7.6			35	7.7	36	7.7			180
190													29	6.4	29	6.4			190
200													22	5.1	22	5.1			200
210																			210
220																			220
								Teleso	copi	ng seq	uen	ce %							
Tel. 1				0						93						100			Tel. 1
Tel. 2				0						93						100			Tel. 2
Tel. 3				0						93						100			Tel. 3
Tel. 4				0						93						100			Tel. 4
Tel. 5				0						93						100			Tel. 5

Counterweight 112.435 lbs

Count	erv	weig	nt '	112,4	435																										
							Liftii	ng cap	acitie	es in 1	,000	lbs ac								63.0 ft	t / 82	.7 ft / 1	02.4	ft / 122	2.01						
													(ea												
Working																															Working
Radius														Boom	leng	th 43.3	ft to	186.0	Ħ												Radius
(ft)																										_					(ft)
					ft) ft						ft			ŀ			Π			F			Ħ		
			0	rrset					0	rrset					C	rrset					0	mset					С	ıπset			
		00	ι.	200	ı	400		00	ι.	200	ı	400		00	ı	200	i	400		00	ı	200	ı	400		00		200		400	
	٥	U.	۰	20	۰	40	۰	U.	۰	20'	۰	40	۰	U.	۰	20	۰	40	٥	U.	۰	20"	۰	40	۰	U.	٥	20	٥	40	
	Boom length 43.3 ft to 186.0 ft Fly jib 43.3 ft to 7 ftset Fly jib 43.3 ft to 186.0 ft Fly jib 43.3 ft to 186.0 ft Fly jib 43.3 ft to 186.0 ft Fly jib 43.3 ft to 186.0 ft Fly jib 43.3 ft to 186.0 ft Fly jib 43.3 ft to 186.0 ft Fly jib 12.2 ft offset offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly jib 12.2 ft offset Fly	l i																													
40	80	16.5	-		-		81	12.3	-		-		82	93			_		-		-		-		-		_		+		40
45			H						+		1																		\vdash		45
50	78																		80	6.9									Ħ	Į.	50
55	77		81	12.2									79												81	4.8					55
60	76		80	11.8			77	12.3					78	9.3					79	6.6					80	4.6				1	60
65	74																														65
70																															70
75																															75
80																															80
85																															85
90	69		72								79	8.0	72		78														Ш		90
95																	0.4												\blacksquare	-	95
100 110	66																										70	0.0	+		100
120	60														74								00	2.7					+		110 120
130	58																				73		78								130
140	55																71								67				\vdash	1	140
150	52		55																												150
160	48																												\vdash		160
170	45										56	5.7	54												61				H		170
180	41										53	5.6			57	4.7	60	4.5	56		62	3.4	66	3.1	59	2.5			1		180
190	37		39								49	5.4			54	4.5	57		53		59	3.2	63	3.0	57						190
200																															200
210	25	5.3	27	5.3	24	4.8																									210
220											32	4.6													50	2.2					220
230							24	3.9	26	3.8							39	3.9													230
240	Ш				Ш		Ш																								240
250	Ш				Ц		Ш		ш		Щ		24				Ш		35	2.8	40	2.9	39	2.9			Щ				250
T 1 (Tel	esco		quer	ice %													1
Tel. 1																															Tel. 1
Tel. 2 Tel. 3																															Tel. 2
Tel. 3																93													_		Tel. 3 Tel. 4
Tel. 4																93													_		Tel. 5
161.5																93															1 81. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

Counterweight 112,435 lbs

Count		veig	<u></u>				Liftir	ng cap	aciti	es in 1	,000	lbs ac								63.0 ft	: / 82	2.7 ft / 1	02.4	ft / 122	2.01						
Working																															Working
Radius														Boom	leng	th 43.3	ft to	196.91	ft												_
(ft)					ft			ı			ft						ft			ı			ft			F			ft		(ft)
	٥	0°	۰	20°	۰	40°	۰	0°	۰	20°	٥	40°	۰	0°	۰	20°	۰	40°	0	0°	۰	20°	۰	40°	۰	0°	۰	20°	٥	40°	
	7		2		7		_		4		Z				Z		7		7		7		7		7		Z		7		
							81	10.6																							40
45	79																														
															1						<u> </u>		<u> </u>								
55	78		00	44.7							H				-						1		1				-				
							-				H				-						1		1				-				
					00	0.0			00	0.4					1		1				1		1								
70 75															-		-				1		1				-		-		
															0.4	6.0	-				-		-								
85	71																				1		1				1				
											ΩΩ	7.6									1		1				1				
95	69																				81	44	1				1				
100	68																82	5.5					1								
110	65																						1								
120	62				## Specified Control of Section 1989 Section 1989																										
130	60								On outriggers base 27.23 ft Boom length 43.3 ft to 196.9 ft Fly jib 63.0 ft offset Fly jib 82.7 ft offset Fly jib 82.7 ft offset Fly jib 62.7 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 Fly jib 102.5 ft offset Fly jib 102.5 ft offset Fly jib 102.5 ft offset Fly jib 102.5 ft offset Fly jib 102.5 ft offset Fly jib 102.6 ft	130																					
140	57	8.4	60	7.9		Controlled passed 27.23 ft School Controlled passed 27.23 ft S	140																								
150	54	On outriggers 360° working area Outrigger base 27.23 ft Boom length 43.3 ft to 196.9 ft Fly jib 43.3 ft offset	150																												
160	On outriggers, 300' working area Outrigger phase 27.23 ft Boom length 43.3 ft to 196.9 ft Fly jib 43.3 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 122.0 ft offset Fly jib 122.0 ft offset Fly jib 122.0 ft offset Fly jib 122.0 ft offset Fly jib 122.0 ft offset Fly jib 122.0 ft offset Fly jib 122.4 ft offset Fly jib 122	160																													
170	48	7.3	51	6.9	52	6.8	Choutriggers, 380° working area Chou	170																							
180		7.0	47	6.7		6.5			54			5.1	On outriggers, 360° working area Outrigger base 27.23 ft Boom length 43.3 ft to 196.9 ft Fly jib 82.7 ft offset O° 20° 40° 0° 20° 40° 0° 20° 40° 0° 20° 40° 40° 0° 20° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4																		
190	41	6.6	44	6.5	44	6.3	47	5.6	51	5.2	53	5.1	52	4.7		4.3	59	4.1	56	3.9	Section Color Co										
					39	Contriguer base 27.23 ft South Interest base 27.23 ft So																									
210			34	5.3	33	5.1	40	5.1	44	4.8	44	4.8	46				53	3.7	51	3.5	56										210
220	25	4.2	27	4.3	24	3.6		4.6	39																49	2.3					
230							30	3.7	34	3.8	32	3.7	39			3.1				3.2	50										
240													35	3.1	39	2.8	38	3.1	42	3.0	47	2.6									240
250													31	2.4	34	2.6	32	2.4	39	2.6	44	2.4									250
														Tel	esco	ping se	quer	nce %													
Tel. 1																100															Tel. 1
Tel. 2																100															Tel. 2
Tel. 3																100															
Tel. 4																															
Tel. 5																100															Tel. 5

Counterweight 81,570 lbs

Count	erv	veigi																	
				ifting c	apa	cities ir		000 lbs						on fly ji	b 17	7.72 ft			
							On	outrigg	gers	, 360° \	work	king are	ea						
Working								Outri	gge	r base	27.	23 ft							Working
Radius		Boo	m le	ngth 4	3.3	ft	Во	om len	gth	43.3 ft	to 1	86.0 ft	Вс	om len	gth -	43.3 ft	to 19	96.9 ft	Radius
(ft)																			(ft)
, ,		F	ly jik	17.72	ft.			F	ly jik	17.72	ft			F	ly jik	17.72	ft		,
			Ć	ffset					Ć	ffset					0	ffset			
		0°	Ī	20°	I	40°		5°		20°		40°		5°		20°		40°	
	0		٥		0		٥		٥		٥		٥		0		٥		
	/		/				/				/						/		
10	76	72.8																	10
12	74	68.7	79	51.4															12
14	72	65.7	77	49.3															14
16	70	63.0	75	47.9	79	40.3													16
18	68	60.0	74	46.4	78	39.8													18
20	66	57.0	72	45.0	76	39.4													20
25	61	51.8	66	42.6	70	38.2													25
30	55	47.3	60		63	37.2													30
35	49	43.9	54	38.9	57	37.0	80	23.0											35
40	42	41.2	47	37.8	50	37.0	79	21.9	81	20.2			80	20.4					40
45	34	39.0	39	37.2		01.0	78	20.9	79	19.3			79	19.4	80	18.0			45
50	22	37.6	00	07.2			77	19.9	78	18.5	80	17.5	78	18.5	79	17.3	80	16.4	50
55		07.0					75	19.1	77	17.7	78	16.9	76	17.7	78	16.6	79	15.8	55
60							74	18.4	76	17.1	77	16.4	75	17.1	77	16.0	78	15.3	60
65							73	17.5	74	16.6	75	15.9	74	16.4	75	15.5	76	14.8	65
70							72	16.8	73	16.1	74	15.4	73	15.7	74	15.0	75	14.3	70
75							70	16.3	71	15.6	72	14.9	71	15.1	73	14.5	74	13.9	75
80							69	15.7	70	15.1	71	14.5	70	14.6	72	14.0	73	13.6	80
85							67	15.0	69	14.6	69	14.1	69	14.1	70	13.5	71	13.2	85
90							66	14.5	68	14.1	68	13.8	68	13.6	69	13.1	70	12.9	90
95							64	14.1	66	13.6	66	13.4	66	13.1	67	12.7	68	12.5	95
100							63	13.7	64	13.1	65	12.9	65	12.7	66	12.2	67	12.0	100
110							59	12.9	60	12.4	61	12.2	61	12.0	63	11.6	63	11.3	110
120							56	12.2	57	11.8	58	11.6	58	11.3	59	11.0	60	10.9	120
130							53	11.5	54	11.3	54	11.1	55	10.8	56	10.4	57	10.4	130
140							49	10.0	50	10.1	51	10.1	52	9.8	53	9.8	54	9.9	140
150							45	8.3	46	8.5	46	8.7	49	8.2	50	8.5	50	8.7	150
160							41	6.7	42	6.9	42	6.8	45	6.5	46	6.9	46	6.9	160
170							35	5.2	36	5.2	74	0.0	40	5.2	41	5.2	41	5.2	170
180							29	3.8	29	3.8			35	3.8	36	3.8	71	J.Z	180
190							23	3.0	23	3.0			55	3.0	30	3.0			190
200																			200
200								Teleso	nni	ng seq	IPD	CO %							200
Tel. 1				0				1 61680	John	93	uCIII	J U /0				100			Tel. 1
Tel. 1				0						93						100			Tel. 1
Tel. 3				0						93						100			Tel. 2
Tel. 3				0						93						100			Tel. 3
Tel. 4				0						93						100			Tel. 4
1 Cl. 0				U						30						100			1 0 1. 0

Counterweight 81.570 lbs

							Liftin	ig capa	acitie	s in 1,	000	lbs ac		n outri	igger	s, 360°	° wor	king ar		63.0 ft	/ 82.	.7 ft / 10	02.4	ft / 122	.0 ft						
Working Radius																er bas		. 23 ft 186.01	4												Working Radius
(ft)							1						1	DOOM	ieng	ın 43.3	11 10	100.01	1						1						(ft)
(11)				b 43.3 ffset	ft			l		b 63.0 ffset	ft					b 82.7 ffset	ft			F		b 102.4 offset	ft			F		o 122.0 offset	ft		(11)
	٥	0°	۰	20°	٥	40°	٥	0°	۰	20°	٥	40°	۰	0°	۰	20°	٥	40°	۰	0°	۰	20°	٥	40°	٥	0°	۰	20°	۰	40°	
	4		4						4		4		4												_		4				
40	80	16.5					81	12.3					82	9.3																	40
45 50	79	16.5					80	12.3					81 80	9.3	-				80	0.0									-		45
55	78 77	16.0 15.3	0.4	12.2			79 78	12.3 12.3					79	9.3	-				80	6.9	-				81	4.8	-		1		50 55
60	76	14.7	80	11.8	Н		77	12.3			H		78	9.3					79	6.6					80	4.6			1		60
65	74	14.2	78	11.5			76	11.9					77	9.3					78	6.4					79	4.4					65
70	73	13.7	77	11.3	80	9.6	75		80	9.8			76	9.0	1				77	6.4					78	4.4					70
75	72	13.2	76	11.1	79	9.4	74	11.1	79	9.5			76	8.7					77	6.3					78	4.3	1		1		75
80	71	12.7	75	10.8	78	9.3	73	10.7	78	9.2			75	8.6	81	7.0			76	6.1					77	4.2					80
85	70	12.4	73	10.6	76	9.3	72	10.4	76	9.0			73	8.4	79	6.8			75	6.0					76	4.2					85
90	69	11.9		10.4	75	9.1	71	10.0	75	8.7	79	8.0	72	8.2	78	6.7			74	5.8					75	4.0					90
95	67	11.5	71	10.2	73	8.9	70	9.7	74	8.5	78	7.8	72	8.1	77	6.5			73	5.7	80	4.5			75	3.9					95
100	66	11.1	70	9.9	72	8.8	69	9.4	73	8.3	77	7.7	71	7.9	76	6.4	81	5.5	72	5.7	79				74	3.7	<u> </u>				100
110	63 60	10.5	66	9.5	69	8.6	66	8.9	70		74	7.2	68	7.4	74 72	6.2	78	5.3	70 68	5.3	77	4.2	00	0.7	72	3.6	79		-		110
120 130	58	10.0 9.3	64 61	9.0	66 63		64 61	8.3	68 65	7.4 7.1	71 69	7.0 6.7	66 64	7.0 6.7	69	6.0 5.8	76 73	5.2 5.1	66	5.1 4.9	75 73	4.1	80 78	3.7 3.5	70 68	3.5	78 76	2.6	1		120 130
140	55	9.0	58	8.3	60		59	7.5	63	6.8	66	6.3	62	6.3	67	5.4	71	4.9	64	4.9	71	3.8	76	3.4	67	3.2	74	2.5	-		140
150	52	8.4	55	8.0	57	7.7	56	7.2	60	6.4	63	6.1	60	6.0	65	5.4	69	4.8	62	4.7	69	3.7	74	3.4	65	3.0	72	2.4	1		150
160	48	7.6	51	7.5	53	7.4	53		57	6.1	60	5.9	57	5.6	62	5.0	66	4.6	60	4.4	66	3.5	71	3.3	63	2.8	70	2.2	1		160
170	45	6.5	48	6.9	49	7.1	50	6.6	54	6.0	56	5.7	54	5.3	59	4.9	63	4.6	58	4.2	64	3.5	68	3.1	61	2.7	68				170
180	41	5.1	44	5.6	45		47	5.5	51	5.8	53	5.6	52	5.1	57	4.7	60	4.5	56	4.0	62	3.4	66	3.1	59	2.5	1				180
190	37	3.9	39	4.2	40	4.1	44	4.4	48	5.1	49	5.0	49	4.5	54	4.5	57	4.3	53	3.9	59	3.2	63	3.0	57	2.4					190
200			34	2.9	33	2.6	40	3.4	44	4.0	45	4.0	46	3.7	51	4.3	53	4.1	50	3.5	56	3.1	60	2.9	54	2.4					200
210							36	2.4	39	2.9	40	2.6	43	2.6	47	3.7	49	4.0	48	2.9	54	3.1	57	2.9	52	2.2	_				210
220											Ш				1						50	2.9	53	2.9	┖						220
230																													1		230
240							\vdash						1		-		1				1		\vdash				1				240
250	Ш		ш				ш		ш		Ш		Ш	Tele	SCO	oing se	auen	ce %	Ш		I						<u> </u>		I		250
Tel. 1														. 510		93	,														Tel. 1
Tel. 2																93															Tel. 2
Tel. 3																93															Tel. 3
Tel. 4																93															Tel. 4
Tel. 5																93															Tel. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Counterweight 81,570 lbs

Working Radius				01,01			Liftin	g capa	acitie	es in 1,	000	lbs acc	C	On outr	iggei trigg	J765 ors, 360° ger baseth 43.3	wor e 27.	king ar 23 ft	ea	63.0 ft	/ 82.	.7 ft / 10	02.4	ft / 122	.0 ft						Working Radius
(ft)				b 43.3 ffset	ft			ı		b 63.0 offset	ft				Fly j	ib 82.7 offset		100.0		F		b 102.4 offset	ft			F		b 122.0 offset	ft		(ft)
	٥	0°	۰	20°	٥	40°	۰	0°	0	20°	٥	40°	۰	0°	۰	20°	۰	40°	o	0°	۰	20°	۰	40°	٥	0°	۰	20°	۰	40°	
	4		7		_		4		7		_		4						7		7		7		7		Z		7	<u> </u>	
40	81 79	13.9					81	10.6																							40
	79 78	13.9 13.9					80 79	10.6					0.4	7.9					82	6.0			-						\vdash	-	45 50
	78 78	13.9					79	10.6					81 80	7.9	1				81	6.2			-		81	4.5			\vdash		55
60	77	13.9	80	11.7	H		78	10.6			H		79	7.9	1				80	6.2			-		80	4.4	H		\vdash	1	60
	75	13.8		11.5			77	10.6					78	7.9					79	6.2			 		79	4.2					65
70	74	12.8	78	11.2	80	9.6	76	10.6	80	9.4			77	7.9					78	6.0			1		78	4.2					70
	74	12.4	77	10.9	79	9.4	75	10.4	80	9.1			76	7.9					77	6.0					78	4.1					75
	73	12.0	76	10.7	78	9.2	74	10.1	79				75	7.9	81	6.8			76	5.9					77	4.0					80
	71	11.5	74	10.4	77	9.0	73	9.7	77				74	7.9	80	6.6			75	5.7					76	4.0					85
90	70	11.1	73	10.0	76	9.0	72	9.4	76	8.3	80	7.6	73	7.9	79	6.5			74	5.6					75	3.8				L	90
95	69	10.8	72	9.7	75	8.9	71	9.2	75		79	7.4	73	7.7	78	6.4			74	5.5	81	4.4	ļ		75	3.7				<u> </u>	95
100	68 65	10.5		9.4	74	8.8	70	8.9	74	7.8	78	7.2	72	7.4	77	6.3	82	5.5	73	5.5	80		1		74	3.7				—	100
110 120	62	10.0 9.4	68 66	9.1 8.5	70 68	8.4 8.1	67 65	8.4 7.9	72 69		75 73	6.9 6.6	69 68	7.1 6.6	75 73	6.0 5.9	79 77	5.3 5.2	71 70	5.1 5.0	77 76	4.2 4.0	1		72 71	3.5 3.3				1	110 120
	60	8.9	63	8.2	65		63	7.5	67	6.7	70	6.2	65	6.2	71	5.6	75	5.1	67	4.9	73		-		69	3.1			\vdash	 	130
140	57	8.4	60	7.9	62	7.6	61	7.2	65		68	6.0	63	5.9	69	5.2	73	4.9	66	4.7	72	3.8	-		68	3.1	H		\vdash	1	140
	54	8.0	57	7.5	59	7.3	58		62		65	5.9	61	5.6	67	5.0	70	4.8	64		70				66	3.0			\vdash		150
160	51	7.4	54	7.2	56	7.0	55	6.5	59	5.9	62	5.6	59	5.4	64	4.8	67	4.6	62	4.4	67	3.5			64	2.8			\vdash		160
170	48	6.2	51	6.9	52	6.8	53	6.2	57	5.7	59	5.3	56	5.1	61	4.6	65	4.4	60	4.2	65	3.3	1		62	2.7					170
	45	4.9	47	5.4	48	5.6	50	5.2	54		56	5.1	54	4.9	59	4.5	62	4.3	58	4.0	63	3.1			61	2.6					180
190	41	3.8	44	4.1	44	4.2	47	4.1	51	4.8	53	4.9	52	4.4	56	4.3	59	4.1	56	3.9	61	3.1			59	2.5					190
	37	2.8	39	2.9	39	2.9	44	2.9	47	3.9	49	4.2	49	3.7	53	4.0	56	3.9	53	3.5	58				54	2.4					200
210									44	2.9	44	2.9	46	2.6	50	3.3	53	3.7	51	2.6	56	2.9			49	2.4					210
220																	48	2.7			53	2.7									220
230																															230
240																															240
250	Щ		Ш		Щ		Ш		Ш		Щ		Ш	-		<u> </u>		0/					<u> </u>		Щ		<u> </u>	Щ_	Ш	<u> </u>	250
Tel. 1														Tele	esco	ping se 100	quen	ce %													Tel. 1
Tel. 2																100															Tel. 2
Tel. 3																100															Tel. 3
Tel. 4																100															Tel. 4
Tel. 5																100															Tel. 5

Counterweight 81,570 lbs

Count	erv	veig																	
			Lit	fting ca	pac	ities in	1,00	00 lbs a	acco	ording p	oer (SAE J7	65	on fly ji	b 17	7.72 ft			
						(On c	outrigge	ers,	360° w	orki	ing are	a						
Working										base '									Working
Radius		Boo	m le	ngth 43	3.3 1	ft	Во	om len	gth	43.3 ft	to 1	86.0 ft	Во	om len	gth	43.3 ft	to 1	96.9 ft	Radius
(ft)																			(ft)
		F	ly jik	17.72	ft			F	ly jik	17.72	ft			F	ly jil	b 17.72	2 ft		
			0	ffset					C	ffset					C	offset			
			_						_		_								
		0°		20°		40°	_	5°		20°		40°		5°		20°		40°	
	0		0		0		0		0		0		0		0		0		
	_		_		_		4		_		_		_		_		_		
10	76	72.8																	10
12	74	68.7	79	51.4															12
14	72	65.7	77	49.3															14
16	70	63.0	75	47.9	79	40.3													16
18	68	60.0	74	46.4	78	39.8													18
20	66	57.0	72	45.0	76	39.4													20
25	61	51.8	66	42.6	70	38.2													25
30	55	47.3	60 54	40.6	63 57	37.2	90	22.0											30
35	49	43.9	54	38.9	57 50	37.0	80	23.0	04	20.0			00	20.4					35
40	42 34	41.2	47	37.8	50	37.0	79	21.9	81	20.2			80	20.4	00	40.0			40
45	_	39.0	39	37.2			78 77	20.9	79	19.3	00	47.5	79	19.4	80	18.0	00	40.4	45
50	22	37.6					77 75	19.9	78	18.5	80 78	17.5	78	18.5	79	17.3	80	16.4	50
55							75 74	19.1	77 76	17.7	78 77	16.9 16.4	76	17.7	78	16.6	79	15.8	55
60 65							74 73	18.4 17.5	76 74	17.1 16.6	75	15.9	75 74	17.1 16.4	77 75	16.0 15.5	78 76	15.3 14.8	60 65
70							72	16.8	73	16.1	74	15.4	73	15.7	74	15.0	75	14.3	70
75							70	16.3	71	15.6	72	14.9	71	15.1	73	14.5	74	13.9	75
80							69	15.7	70	15.1	71	14.5	70	14.6	72	14.0	73	13.6	80
85							67	15.0	69	14.6	69	14.1	69	14.1	70	13.5	71	13.2	85
90							66	14.2	68	14.1	68	13.8	68	13.6	69	13.1	70	12.9	90
95							64	12.9	66	13.3	66	13.4	66	12.6	67	12.7	68	12.5	95
100							63	11.4	64	12.1	65	12.5	65	11.3	66	11.9	67	11.9	100
110							59	8.9	60	9.4	61	9.7	61	8.7	63	9.4	63	9.7	110
120							56	6.7	57	7.1	58	7.3	58	6.7	59	7.1	60	7.3	120
130							53	5.0	54	5.3	54	5.5	55	4.8	56	5.3	57	5.5	130
140							49	3.5	50	3.7	51	4.0	52	3.5	53	3.7	54	4.0	140
150																			150
160																			160
170																			170
180																			180
190																			190
200																			200
								Telesco	opin	g sequ	enc	e %							
Tel. 1				0						93						100			Tel. 1
Tel. 2				0						93						100			Tel. 2
Tel. 3				0						93						100			Tel. 3
Tel. 4				0						93						100			Tel. 4
Tel. 5				0						93						100			Tel. 5

Counterweight 81.570 lbs

Working							Liftin	ig capa	acitie	s in 1,	000	lbs ac		on outr Ou	igger trigg	s, 360° er bas	wor e 18.	king ar 37 ft	ea	63.0 ft	/ 82.	.7 ft / 10)2.4	ft / 122	.0 ft						Working
Radius														Boom	leng	th 43.3	ft to	186.01	ft												Radius
(ft)		ı		b 43.3 offset	ft			ı		b 63.0 ffset	ft					ib 82.7 offset	ft			F		b 102.4 offset	ft			F		b 122.0 offset	ft		(ft)
	°	0°	0	20°	°	40°	°	0°	°	20°	°	40°	0	0°		20°	°	40°	°	0°	。 /	20°		40°	°	0°		20°	0	40°	
40	80	16.5	_		1		81	12.3					82	9.3	Ť		_				广		_				_		_		40
45	79	16.5					80	12.3					81	9.3																	45
50	78	16.0					79	12.3					80	9.3					80	6.9											50
55	77	15.3		12.2			78	12.3					79	9.3					80	6.8					81	4.8					55
60	76	14.7	80	11.8			77	12.3					78	9.3	<u> </u>				79	6.6	<u> </u>				80	4.6					60
65	74	14.2	78	11.5	00	0.0	76	11.9	00	0.0			77	9.3	-				78 77	6.4	<u> </u>		-		79 78	4.4					65
70 75	73 72	13.7 13.2	77 76	11.3	80 79	9.6	75 74	11.5	80 79	9.8	-		76 76	9.0	-				77	6.4	-		-		78	4.4					70 75
80	71	12.7	75	10.8	78	9.4		10.7	78	9.5	\vdash		75	8.6	81	7.0	\vdash		76	6.1	-				77	4.3					80
85	70	12.7	73	10.6	76		72	10.7	76	9.0			73	8.4	79		\vdash		75	6.0	1				76	4.2					85
90	69	11.9	72	10.4	75	9.1	71	10.4	75	8.7	79	8.0	72	8.2	78	6.7			74	5.8					75	4.0					90
95	67	11.5	71	10.2	73	8.9	70		74	8.5	78	7.8	72	8.1	77	6.5			73	5.7	80	4.5			75	3.9					95
100	66	11.1	70	9.9	72	8.8	69	9.4	73	8.3	77	7.7	71	7.9	76	6.4	81	5.5	72	5.7	79	4.4			74	3.7					100
110	63	9.8	66	9.5	69	8.6	66	8.9	70	7.8	74	7.2	68	7.4	74	6.2	78	5.3	70	5.3	77	4.2			72	3.6					110
120	60	7.8	64	8.7	66	8.4	64	8.1	68	7.4	71	7.0	66	7.0	72	6.0	76	5.2	68	5.1	75	4.1			70	3.5					120
130	58	6.1	61	7.0	63	7.7	61	6.6	65	7.1	69	6.7	64	6.7	69	5.8	73	5.1	66	4.9	73	4.0			68	3.3					130
140	55	4.6	58	5.5	60	6.0	59		63	6.2	66	6.3	62	5.3	67	5.4	71	4.9	64	4.7	71	3.8									140
150	52	3.1	55	4.0	57	4.5	56	3.6	60	5.0	63	5.5	60	3.8	65	5.0	69	4.8	62	4.1	69	3.7									150
160					53	3.2			57	3.6	60	4.3			62	4.5	66	4.5	60	3.1	66	3.5									160
170															<u> </u>		63	4.0			64	3.5	4								170
180					1		-		-		_				-				_		1				-						180
190 200							+								1				\vdash												190 200
200	\vdash		\vdash		Н		\vdash		\vdash		\vdash				1				\vdash						\vdash						200
220	H		H				+								1				\vdash		1		1		\vdash						220
230							\vdash				\vdash				1																230
240			H						H																						240
250															1																250
	_		•		•									Tele	escor	oing se	quen	ce %			•		•						•		
Tel. 1																93															Tel. 1
Tel. 2																93															Tel. 2
Tel. 3																93															Tel. 3
Tel. 4																93															Tel. 4
Tel. 5																93															Tel. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Cour	torw	aiaht	21	570	lhe
Cour	ıterw	eiani	ОΙ.	.o/u	เมร

Working Radius						l	Liftin	g capa	acitie	es in 1,	000	lbs ac		On outr Ou	iggei trigg	J765 ors, 360° ger baseth 43.3	wor e 18.	king ar 37 ft	ea	63.0 ft	/ 82.	.7 ft / 10)2.4	ft / 122.	.0 ft						Working Radius
(ft)				b 43.3 iffset	ft			ı		b 63.0 iffset	ft				Fly j	ib 82.7 offset		190.91		F		b 102.4 offset	ft			F		b 122.0 offset) ft		(ft)
	°	0°	°	20°	°	40°	0	0°	0	20°	°	40°	。 /	0°		20°	0	40°	0	0°		20°	。 /	40°	°	0°		20°		40°	
40	81	13.9	۲		ť		81	10.6	_		-		_		+		_		_		_		_		_		_		+		40
45		13.9	1 1		1 1		80	10.6																					1		45
50	78	13.9					79	10.6					81	7.9					82	6.2											50
55		13.9					79	10.6					80	7.9					81	6.2					81	4.5					55
	77	13.9					78	10.6					79	7.9					80	6.2					80	4.4					60
65	75	13.8		11.5			77	10.6					78	7.9					79	6.2					79	4.2					65
70	74	12.8		11.2		9.6	76	10.6	80				77	7.9					78	6.0					78	4.2					70
75	74	12.4		10.9		9.4		10.4	80	9.1			76	7.9	ļ.,				77	6.0					78	4.1					75
80		12.0	76	10.7	78	9.2	74	10.1	79				75	7.9	81	6.8			76	5.9	_		_		77	4.0			<u> </u>		80
85	71 70	11.5 11.1		10.4	77	9.0	73	9.7	77 76	8.6	00	7.0	74	7.9	80 79	6.6			75 74	5.7	-		-		76	4.0			1		85 90
	70 69	10.8	73 72	10.0 9.7	76 75	9.0	72 71	9.4	75	8.3 8.1	80 79	7.6 7.4	73 73	7.9 7.7	78	6.5 6.4			74	5.6 5.5	81	4.4	1		75 75	3.8			-		95
100	68	10.5		9.4	74	8.8	70		74		78	7.2	72	7.4	77	6.3	82	5.5	73	5.5	80	4.4 4.4	-		74	3.7			+		100
110	65	9.6	68	9.4	70	8.4	67	8.4	72	7.3	75	6.9	69	7.4	75	6.0	79	5.3	71	5.1	77	4.4	1		72	3.5			-		110
	62	7.8	66	8.4	68	8.1	65	7.7	69		73	6.6	68	6.6	73		77	5.2	70	5.0	76	4.0	-		71	3.3	H	—	+		120
130	60	5.9	63	7.0	65	7.6	63		67	6.7	70	6.2	65	6.2	71		75	5.1	67	4.9	73	4.0	-		69	3.1	H	—	+		130
140	60 57	4.4	60	5.5	62	6.0	61	4.8	65		68		63	5.1	69		73	4.9	66	4.7	72	3.8	-		03	0.1	╁	—	+		140
150	54	2.9	57	4.0	59	4.5	58		62	4.8	65	5.4	61	4.0	67	4.9	70	4.8	64	4.0	70	3.7	1								150
160	57	2.5	51	4.0	56	3.2	50	5.5	59	3.4	62	4.4	01	4.0	64		67	4.5	62	2.8	67	3.5	1						1		160
170					00	0.2	1		00	0.4	02				0.7	7.0	65	4.0	02	2.0	65		1								170
180																	50				50	0.0	1								180
190															T						1		1						1		190
200																					İ		İ								200
210																															210
220																															220
230																															230
240	Ш						Ш		Ш		Ш										<u> </u>		<u> </u>						1		240
250	Щ		Ш		Ш		Ш		Ш		Ш					Ļ									Ш						250
L														Tele	esco	ping se	quen	ce %													1
Tel. 1																100															Tel. 1
Tel. 2																100															Tel. 2
Tel. 3																100															Tel. 3
Tel. 4																100															Tel. 4
Tel. 5																100															Tel. 5

Counterweight 55.115 lbs

Count	erv	veig																	
			L	ifting o	ара	cities i								on fly ji	ib 17	7.72 ft			
\A/ I :							On			, 360° ı			ea						147 1 1 1 1
Working Radius		Boo	m lo	ngth 4	3 3 1	f+	Ro			r base 43.3 ft			D	oom len	ath	12 2 ft	to 10	26 0 ft	Working Radius
(ft)		БОО	III IE	iligui 4	3.3		В	on len	gui	43.3 II	10 1	00.0 II	DO	om ler	igin	43.3 II	lo is	96.911	(ft)
(11)		F	lv iit	17.72	ft			F	lv iil	17.72	ft			F	lv iil	17.72	ft		(11)
		-		ffset				-		ffset				Ī		ffset			
		0°	í	20°		40°	١.	5°		20°		40°		5°		20°		40°	
	٥		°		٥		°		°		۰		۰		۰		۰		
10	<u>7</u> 6	72.8	_		_		_		_		_						_		10
12	74	68.7	79	51.4															12
14	72	65.7	77	49.3															14
16	70	63.0	75	47.9	79	40.3													16
18	68	60.0	74	46.4	78	39.8													18
20	66	57.0	72	45.0	76	39.4													20
25	61	51.8	66	42.6	70	38.2													25
30	55	47.3	60	40.6	63	37.2													30
35	49	43.9	54	38.9	57	37.0	80	23.0	0.4	00.0				00.4			1		35
40 45	42 34	41.2 39.0	47 39	37.8 37.2	50	37.0	79 78	21.9	81 79	20.2 19.3			80 79	20.4 19.4	80	18.0			40 45
50	22	37.6	39	31.2			77	19.9	78	18.5	80	17.5	78	18.5	79	17.3	80	16.4	50
55		37.0					75	19.1	77	17.7	78	16.9	76	17.7	78	16.6	79	15.8	55
60							74	18.4	76	17.1	77	16.4	75	17.1	77	16.0	78	15.3	60
65							73	17.5	74	16.6	75	15.9	74	16.4	75	15.5	76	14.8	65
70							72	16.8	73	16.1	74	15.4	73	15.7	74	15.0	75	14.3	70
75							70	16.3	71	15.6	72	14.9	71	15.1	73	14.5	74	13.9	75
80							69	15.7	70	15.1	71	14.5	70	14.6	72	14.0	73	13.6	80
85							67	15.0	69	14.6	69	14.1	69	14.1	70	13.5	71	13.2	85
90							66	14.5	68	14.1	68	13.8	68	13.6	69	13.1	70	12.9	90
95 100							64 63	14.1	66 64	13.6 13.1	66 65	13.4 12.9	66 65	13.1 12.7	67 66	12.7 12.2	68 67	12.5 12.0	95 100
110							59	12.0	60	12.4	61	12.9	61	11.8	63	11.6	63	11.3	110
120	- 1						56	9.5	57	10.0	58	10.5	58	9.5	59	10.0	60	10.5	120
130							53	7.3	54	7.8	54	8.0	55	7.3	56	7.8	57	8.0	130
140							49	5.6	50	5.9	51	6.1	52	5.6	53	5.9	54	6.1	140
150							45	4.0	46	4.2	46	4.3	49	4.0	50	4.2	50	4.4	150
160																			160
								Teleso	copi	ng seq	uen	ce %							
Tel. 1				0						93						100			Tel. 1
Tel. 2				0						93						100			Tel. 2
Tel. 3				0						93						100 100			Tel. 3
Tel. 4 Tel. 5				0						93 93						100			Tel. 4 Tel. 5
1 et. 5				U						33						100			1 et. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation" and Maintenance Manual" supplied with this machine.

Counterweight 55,115 lbs

		roig					n 1, On	000 lbs	aco	cording	per work	SAE J	765 ea	on fly ji	ib 17	7.72 ft			
Working										r base									Working
Radius		Boo	m le	ngth 4	3.3	ft	Вс	om len	gth	43.3 ft	to 1	86.0 ft	Во	om len	gth	43.3 ft	to 19	96.9 ft	Radius
(ft)																			(ft)
		F		17.72	2 ft			F		b 17.72	? ft			F		17.72	ft		
			O	ffset					C	offset					0	ffset			
		0°	ĺ	20°	l	40°		5°	l	20°	ĺ	40°		5°	l	20°	1	40°	
	٥		0		0		0		0		0		0		0		0		
	7		4		7		2		2		4		_		7		7		
10	76	72.8																	10
12	74	68.7	79	51.4															12
14 16	72 70	65.7 63.0	77 75	49.3 47.9	70	40.3													14 16
18	68	60.0	74	46.4	79 78	39.8													18
20	66	57.0	72	45.0	76	39.4	H												20
25	61	51.8	66	42.6	70	38.2													25
30	55	47.3	60	40.6	63	37.2													30
35	49	43.9	54	38.9	57	37.0	80	23.0											35
40	42	41.2	47	37.8	50	37.0	79	21.9	81	20.2			80	20.4					40
45	34	39.0	39	37.2			78	20.9	79	19.3			79	19.4	80	18.0			45
50	22	33.4					77	19.9	78	18.5	80	17.5	78	18.5	79	17.3	80	16.4	50
55							75	19.1	77	17.7	78	16.9	76	17.7	78	16.6	79	15.8	55
60							74	18.4	76	17.1	77	16.4	75	17.1	77	16.0	78	15.3	60
65							73	17.5	74	16.6	75	15.9	74	16.4	75	15.5	76	14.8	65
70							72	15.8	73	16.1	74	15.4	73	15.1	74	15.0	75	14.3	70
75							70	13.9	71	14.8	72	14.8	71	13.6	73	14.1	74	13.9	75
80 85							69 67	12.2 10.7	70 69	13.1 11.6	71 69	13.9 12.2	70 69	12.0 10.5	72 70	12.8 11.3	73 71	13.3 12.0	80 85
90							66	9.2	68	10.0	68	10.5	68	9.1	69	9.8	70	10.5	90
95							64	7.8	66	8.5	66	9.0	66	7.8	67	8.4	68	9.1	95
100							63	6.5	64	7.1	65	7.6	65	6.5	66	7.1	67	7.7	100
110							59	4.5	60	4.9	61	5.4	61	4.5	63	4.9	63	5.4	110
120							Ĺ		57	3.2	58	3.4			59	3.2	60	3.4	120
130																			130
140																			140
150																			150
160	Ш		Ш				<u> </u>		Щ		Щ		Щ		Щ		Ш		160
								Teleso	copi	ng seq	uen	ce %							
Tel. 1				0						93						100			Tel. 1
Tel. 2				0						93						100			Tel. 2
Tel. 3				0						93						100			Tel. 3
Tel. 4				0						93						100			Tel. 4
Tel. 5				0						93						100			Tel. 5
							_						_						

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation" and Maintenance Manual" supplied with this machine.

Count													
Lift	ing	capaci	ties								n fly	/ jib 43.	3 ft
				On ou	ıtrig	gers, 3	60°	workin	g ar	ea			
Working				С	utr	igger b	ase	18.37	ft				Working
Radius	Во	om len	gth	43.3 ft	to 1	86.0 ft	Во	om len	gth	43.3 ft	to 1	96.9 ft	Radius
(ft)													(ft)
		F	∃ly ji	b 43.3	ft			F	Fly ji	b 43.3	ft		
			О	ffset					C	ffset			
			_		_				_		_		
		0°		20°		40°		0°		20°		40°	
	0		٥		0		0		0		0		
	Z		7		7		7		7		4		
40	80	16.5					81	13.9					40
45	79	16.5					79	13.9					45
50	78	16.0					78	13.9					50
55	77	15.3	81	12.2			78	13.9					55
60	76	14.7	80	11.8			77	13.8	80	11.7			60
65	74	14.2	78	11.5			75	13.3	79	11.5			65
70	73	13.7	77	11.3	80	9.6	74	12.8	78	11.2	80	9.6	70
75	72	13.2	76	11.1	79	9.4	74	12.4	77	10.9	79	9.4	75
80	71	12.4	75	10.8	78	9.3	73	11.8	76	10.7	78	9.2	80
85	70	10.9	73	10.6	76	9.3	71	10.4	74	10.4	77	9.0	85
90	69	9.5	72	10.4	75	9.1	70	9.3	73	10.0	76	9.0	90
95	67	8.4	71	9.8	73	8.9	69	8.1	72	9.5	75	8.9	95
100	66	7.4	70	8.9	72	8.8	68	7.0	71	8.7	74	8.8	100
110	63	5.4	66	6.9	69	8.0	65	5.1	68	6.7	70	7.9	110
120	60	3.9	64	5.0	66	5.9	62	3.5	66	5.0	68	5.9	120
130			61	3.5	63	4.2			63	3.5	65	4.2	130
140													140
150													150
160													160
170													170
180													180
190													190
200													200
210													210
220													220
					eles	coping	sec	uence					
Tel. 1				93						100			Tel. 1
Tel. 2				93						100			Tel. 2
Tel. 3				93						100			Tel. 3
Tel. 4				93						100			Tel. 4
Tel. 5				93						100			Tel. 5

Counterweight 55.115 lbs

Count	erv	veig	nt :	55,1°	15		:::::		'4' -	- :- 4	000	II			0 4 5	1705	£l.	::L 40	0 4 /	00.04	/ 00	74/4	00.4	ti / 400	0.64				_		
							Liftir	ig capa	acitie	es in 1,	,000	lbs ac						' jib 43. king ar		63.0 ft	/ 82.	.7 ft / 10	02.4	ft / 122	.0 ft						
Working													`			er bas			ou												Working
Radius														Boom	leng	th 43.3	ft to	186.0	ft												Radius
(ft)																	_														(ft)
				b 43.3 ffset	ft					b 63.0 ffset	ft					b 82.7 ffset	ft					b 102.4 offset	ft			F		122.0 ffset) ft		
			C	iiset					O	iisei					(iiset					C	nset					C	iiset			
		0°	I	20°	l	40°		0°	1	20°	1	40°		0°	1	20°	1	40°		0°	1	20°	1	40°		0°	1	20°		40°	
	٥		٥		٥		٥		٥		٥		0		۰		۰		٥		۰		٥		۰		0		٥		
- 10	2	40.5	4		4		2	40.0	4				2	0.0																	40
40 45	80 79	16.5 16.5	+				81 80	12.3 12.3	\blacksquare		+		82 81	9.3	-		1				-		1						+		40 45
50	78	16.0					79	12.3					80	9.3	-		1		80	6.9	-						-		+		50
55	77	15.3	81	12.2			78	12.3			H		79	9.3					80	6.8					81	4.8			\top		55
60	76		80	11.8			77	12.3					78	9.3					79	6.6					80	4.6					60
65	74	14.2	78	11.5			76	11.9					77	9.3					78	6.4					79	4.4					65
70	73	13.7	77	11.3	80	9.6	75	11.5	80	9.8			76	9.0					77	6.4					78	4.4					70
75	72	13.2	76	11.1	79	9.4	74	11.1	79	9.5			76	8.7			1		77	6.3					78	4.3	<u> </u>				75
80	71	12.7	75		78		73	10.7	78	9.2			75 73	8.6	81	7.0 6.8			76	6.1			1		77	4.2	-		+-		80 85
85 90	70 69	12.4 11.9	73 72	10.6	76 75	9.3	72 71	10.4	76 75	9.0 8.7	79	8.0	72	8.4 8.2	79 78	6.8	-		75 74	5.8	-				76 75	4.2			-		90
95	67	11.5	71	10.4	73	8.9	70	9.7	74	8.5	78		72	8.1	77	6.5	-		73	5.7	80	4.5			75	3.9	1		+		95
100	66	11.1	70	9.9	72	8.8	69	9.4	73	8.3	77	7.7	71	7.9	76	6.4	81	5.5	72	5.7	79	4.4			74	3.7	t		+		100
110	63	10.5	66	9.5	69	8.6	66	8.9	70	7.8	74		68	7.4		6.2	78	5.3	70	5.3	77	4.2			72	3.6	79	2.9			110
120	60	10.0	64	9.0	66	8.4	64	8.3	68	7.4	71	7.0	66	7.0	74 72	6.0	76	5.2	68	5.1	75	4.1	80	3.7	70	3.5	78	2.6			120
130	58	8.8	61	8.6	63	8.2	61	8.0	65	7.1	69	6.7	64	6.7	69	5.8	73	5.1	66	4.9	73	4.0	78	3.5	68	3.3	76	2.5			130
140	55	7.0	58	7.6	60	7.7	59	7.1	63	6.8	66	6.3	62	6.3	67	5.4	71	4.9	64	4.7	71	3.8	76	3.4	67	3.2	74	2.4			140
150	52	5.3	55	6.1	57	6.5	56	5.8	60	6.2	63		60	5.7	65	5.2	69	4.8	62	4.5	69	3.7	74	3.3	65	3.0	72	2.3			150
160	48 45	3.9	51	4.5	53	4.9	53	4.3	57	5.4	60		57	4.7	62	5.0	66	4.6	60	4.3 3.8	66	3.5	71	3.3	63	2.8	70 68	2.2	4		160 170
170 180	45	2.5	48	3.2	49	3.4	50	2.9	54 51	4.3 2.9	56 53		54	3.4	59 57	4.9 3.6	63 60	4.6	58	3.8	64 62	3.5	68 66	3.1 3.1	61 59	2.7 2.5	68	2.2	+-		170
190	\vdash		+		\vdash				51	2.9	53	3.4	1		5/	3.0	57	4.2 3.2			59	3.4 2.9	63	3.0	59	2.5	1		₩		190
200	H		\vdash		\vdash		H				\vdash		1		1		31	3.2			33	2.9	60	2.8					+		200
210																							30	2.0							210
220																															220
230																															230
240																															240
250																															250
Tel. 1														Tel	esco	oing se 93	quer	ice %													Tel. 1
Tel. 2																93															Tel. 1
Tel. 2																93															Tel. 2
Tel. 4																93															Tel. 4
Tel. 5																93															Tel. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Counterweight 55,115 lbs

Working Radius				30,1			Liftin	g capa	acitie	es in 1,	000	lbs ac		n outr	iggei trigg	3765 ors, 360° er bas th 43.3	wor e 27.	king ar	ea	63.0 ft	/ 82.	.7 ft / 10)2.4	ft / 122	.0 ft						Working Radius
(ft)				b 43.3 ffset	ft			İ		b 63.0 offset	ft				Fly j	b 82.7 offset				F		b 102.4 offset	ft			F		b 122.0 offset) ft		(ft)
	٥	0°	٥	20°	٥	40°	٥	0°	٥	20°	٥	40°	٥	0°		20°	0	40°	٥	0°		20°	٥	40°	٥	0°	٥	20°		40°	
40	2	13.9	-		-		81	10.6	-		-				1		14				-		-		14		_		-		40
45	79	13.9					80	10.6							+								1		1				1		45
	78	13.9					79	10.6					81	7.9	1				82	6.2			1						1		50
55	78	13.9					79	10.6	\vdash				80	7.9					81	6.2					81	4.5			1		55
60	77	13.9	80	11.7			78	10.6					79	7.9					80	6.2					80	4.4			1		60
65	75	13.8	79	11.5			77	10.6					78	7.9					79	6.2			1		79	4.2					65
70	74	12.8	78	11.2	80	9.6	76	10.6	80	9.4			77	7.9					78	6.0					78	4.2					70
75	74	12.4	77	10.9	79	9.4		10.4	80	9.1			76	7.9					77	6.0					78	4.1					75
80	73	12.0	76	10.7	78	9.2	74	10.1	79				75	7.9	81	6.8			76	5.9					77	4.0					80
85	71	11.5	74	10.4	77	9.0	73	9.7	77	8.6			74	7.9	80	6.6			75	5.7					76	4.0					85
	70	11.1	73	10.0	76	9.0	72	9.4	76		80	7.6	73	7.9	79	6.5			74	5.6					75	3.8					90
95	69	10.8	72	9.7	75	8.9	71	9.2	75		79	7.4	73	7.7	78	6.4	L.		74		81	4.4	_		75	3.7					95
100	68 65	10.5	71	9.4 9.1	74	8.8 8.4	70	8.9 8.4	74 72		78	7.2	72	7.4	77	6.3	82	5.5	73	5.5 5.1	80	4.4	-		74	3.7					100
110 120	62	10.0 9.4	68 66	8.5	70 68	8.4	67 65	7.9	69		75 73	6.9 6.6	69 68	7.1 6.6	75 73	6.0 5.9	79 77	5.3 5.2	71 70	5.1	77 76	4.2	1		72 71	3.5			1		110 120
	60	8.3	63	8.2	65	7.8	63	7.5	67		70	6.2	65	6.2	71	5.6	75	5.2	67	4.9	73	4.0	-		69	3.1			-		130
140	57	6.5	60	7.4	62	7.6	61	6.8	65		68	6.0	63	5.9	69	5.2	73	4.9	66	4.9	72	3.8	-		68	3.1			-		140
150	5 <i>1</i>	5.1		6.1	6∠ 59	6.5	58		62		65	5.9	61	5.9	67	5.2	70	4.9	64	4.7	70	3.8	1		66	3.1			1		150
	51	3.9	57 54	4.5	56	4.9	55		59		62	5.5	59	4.5	64	4.8	67	4.6	62	4.5	67	3.5	-		64	2.8			-		160
170	48	2.5	51	3.2	52	3.4	53		57	4.0	59	4.7	56	3.2	61	4.6	65	4.4	60	3.4	65	3.3	1		62	2.7			1		170
180	40	2.5	31	3.2	32	3.4	55	2.5	54		56	3.4	30	3.2	59	3.5	62	4.1	00	3.4	63	3.1	-		02	2.1	┥		1		180
190			H		H		H		34	2.5	50	3.4			39	3.3	59	3.2			61	2.8	-		1		H		1		190
200	H		H				H		H		H				t		55	0.2			01	2.0	H				H		t		200
210							H						H										1								210
220																							1								220
230																															230
240																															240
250																															250
														Tele	esco	oing se	quen	ice %													
Tel. 1																100															Tel. 1
Tel. 2																100															Tel. 2
Tel. 3																100															Tel. 3
Tel. 4																100															Tel. 4
Tel. 5																100															Tel. 5

Counterweight 28,660 lbs

Count	er۱	<u>weig</u> l	ht :																
				Lifting	cap	acities							J765 or	n fly jib	17.7	'2 ft			
							О					rking a	rea						
Working					_		_	Out	rigg	er bas	e 2	7.23 ft							Working
Radius		Boo	m le	ngth 4	3.3	ft	Во	om len	gth	43.3 ft	to 1	86.0 ft	Boo	m lengt	th 43	3.3 ft to	196	.9 ft	Radius
(ft)		_		47.70				_	,	47.70									(ft)
		r		o 17.72 offset	π			r) 17.72 Iffset	π			Fiy	offs	17.72 ft			
			C	niset					C	iiset					OII	sei			
		0°		20°		40°		5°		20°	I	40°	5	0		20°	ı	40°	
	٥	Ŭ	٥	Ī	٥		٥		٥	_0	٥		٥		0		٥	 	
	7		2		7		2		2		$ _{\angle} $		_		7		2		
10	76	72.8																	10
12	74	68.7	79	51.4															12
14	72	65.7	77	49.3															14
16	70	63.0	75	47.9	79	40.3													16
18	68	60.0	74	46.4	78	39.8													18
20	66	57.0	72	45.0	76	39.4													20
25	61	51.8	66	42.6	70														25
30	55	47.3	60		63		00	00.0											30
35 40	49 42	43.9 41.2	54 47	38.9 37.8	57	37.0 37.0	80 79	23.0	81	20.2			80	20.4					35 40
45	34	39.0	39		50	37.0	79 78	20.9	79	19.3			79	19.4	80	18.0			45
50	22	37.6	39	31.2			77	19.9	78	18.5	80	17.5	78	18.5	79	17.3	80	16.4	50
55		07.0					75	19.1	77	17.7	78	16.9	76	17.7	78	16.6	79	15.8	55
60							74	18.4	76	17.1	77	16.4	75	17.1	77	16.0	78	15.3	60
65							73	17.5	74	16.6	75	15.9	74	16.4	75	15.5	76	14.8	65
70							72	16.8	73	16.1	74	15.4	73	15.7	74	15.0	75	14.3	70
75							70	16.3	71	15.6	72	14.9	71	15.1	73	14.5	74	13.9	75
80							69	15.5	70	15.1	71	14.5	70	14.6	72	14.0	73	13.6	80
85							67	14.0	69	14.6	69	14.1	69	13.9	70	13.5	71	13.2	85
90							66	12.2	68	12.8	68	13.2	68	12.2	69	12.5	70	12.9	90
95							64	10.4	66	11.1	66	11.6	66	10.4	67	11.1	68	11.6	95
100							63	8.8	64	9.4	65	9.9	65	8.8	66	9.4	67	9.9	100
110							59	6.1	60	6.9	61	7.3	61	6.1	63	6.9	63	7.3	110
120							56	4.0	57 54	4.7 2.9	58 54	5.0 3.1	58	4.0	59 56	4.7 2.9	60 57	5.0	120
130 140									54	2.9	54	3.1			56	2.9	5/	3.1	130 140
150																			150
130								Tele	SCO	oing se	ane	nce %					Щ		130
Tel. 1				0				1010	200	93	440	50 /0			10	00			Tel. 1
Tel. 2				0						93					10				Tel. 2
Tel. 3				0						93					10	00			Tel. 3
Tel. 4				0						93					10	00			Tel. 4
Tel. 5				0						93					10	00			Tel. 5

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Counterweight 28,660 lbs

Counterweight 26,660 lbs													
Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 f									3 ft				
		On outriggers, 360° working area											
Working										Working			
Radius	Во	Boom length 43.3 ft to 186.0 ft Boom length 43.3 ft to 196.9 ft											
(ft)										(ft)			
		F		b 43.3	ft			F		b 43.3 ffset	ft		
			С	offset									
		0°	1	20°	1	40°		0°	1	20°	ı	40°	
	٥	U	٥	20 	40° ∘ I		۰ا		٥	20	۰ 40°		
	/				/		/		/		/		
40	80	16.5					81	13.9			ŕ		40
45	79	16.5					79	13.9					45
50	78	16.0					78	13.9					50
55	77	15.3	81	12.2			78	13.9					55
60	76	14.7	80	11.8			77	13.8	80	11.7			60
65	74	14.2	78	11.5			75	13.3	79	11.5			65
70	73	13.7	77	11.3	80	9.6	74	12.8	78	11.2	80	9.6	70
75	72	13.2	76	11.1	79	9.4	74 73	12.4	77	10.9	79	9.4	75
80	71	12.7	75					12.0	76	10.7	78	9.2	80
85	70	12.4	73	10.6	76	9.3	71	11.5	74	10.4	77	9.0	85
90	69	11.9	72	10.4	75	9.1	70	11.1	73	10.0	76	9.0	90
95	67	11.2	71	10.2	73	8.9	69	10.7	72	9.7	75	8.9	95
100	66	10.2	70	9.9	72	8.8	68	10.0	71	9.4	74	8.8	100
110	63	7.5	66	9.0	69	8.6	65	7.5	68	8.8	70	8.4	110
120	60	5.4	64	6.7	66	7.8	62	5.2	66	6.7	68	7.6	120
130	58	3.6	61	4.8	63	5.6	60	3.5	63	4.8	65	5.5	130
140			58	3.3	60	3.8			60	3.2	62	3.8	140
150				Tal		anina a			\perp				150
TIC					es0	oping s	equ	ience 7		400			T 1 1
Tel. 1				93			100						Tel. 1
Tel. 2	93				100						Tel. 2		
Tel. 3	93				100						Tel. 3		
Tel. 4	93					100					Tel. 4		
Tel. 5	93						100						Tel. 5

WARNING AND OPERATING INSTRUCTIONS FOR LIFTING CAPACITIES

GENERAL

- Total rated loadsshown 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.
- 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 crane. If this manual is missing, order replacement through the distributor.
 The operator and other personnel associated with this machine
- 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

- 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 bearing surface.
- the outrigger floats to spread the load to a larger bearing 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.
- 3. Working on tires are travelling with load is not allowed.
- 4. The weight of the auxiliary winch with 3,100 lbs is taken into account as a part of counterweight. Therefore the auxiliary winch must be attached always at the superstructure for crane operation.

OPERATION

- Total rated loads with outriggers fully extended do not exceed 85% of the tipping loads. Total rated loads with outriggers half extended are determined from the 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.
- Total rated loads above the bold lines in the TADANO load rating chart are based on crane strength and those below the bold lines on crane stability.
- lines on crane stability.

 4. Total rated loads include the weight of main hook block, auxiliary hook ball, sling and other auxiliary lifting devices and all their weights shall be subtracted from the listed capacities to obtain the net load to be lifted.

Hookball/ Hookblock(ton)	11.0	27.5	69.5	88.0	138.0	176.5
No. of sheaves	-	1	3	5	7	9
Weight (lbs.)	440	660	1,325	1,765	2,645	3,525

- 5. 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 boom or jib is <u>extremely</u> dangerous.
- 6. 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 main boom operation and above 11 mph (16 ft/sec.) for jib operation.
- Total rated loads at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
- Do not operate at boom lengths beyond radii or boom angles where no capacities are shown. Crane may overturn without any load on the hook.
- Slewing of the superstructure is admissible only when the crane is supported on half or fully extended outriggers.

10. 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(3,350 lbs) is detected in terms of a load, and the load moment limiter will shut off earlier.

Load rating reduction (tons)									
	Boom length (ft)								
Jib status		71.9	100.4	114.8	143.3	157.5	171.9	186.0	196.8
17.7ft/43.3ft fly jib,mounted in transport position	0.66	0.33	0.24	0.20	0.20	0.17	0.17	0.13	0.11
17.7ft fly jib,mounted to the boom head	2.14	1.85	1.64	1.52	1.47	1.44	1.39	1.37	1.35
43.3ft fly jib,mounted to the boom head	2.92	2.37	2.04	1.82	1.74	1.69	1.65	1.65	1.63
63.0ft fly jib, mounted to the boom head	3.78	2.89	2.47	2.33	2.25	2.18	2.13	2.08	2.05
82.7ft fly jib,mounted to the boom head	4.54	3.27	2.89	2.76	2.66	2.57	2.49	2.44	2.39
102.4ft fly jib,mounted to the boom head	6.56	4.44	3.90	3.63	3.40	3.21	3.08	2.97	2.89
122.0ft fly jib,mounted to the boom head	8.49	6.45	5.34	4.59	4.17	3.86	3.59	3.37	3.28

- When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
- 12. Load per part line should not exceed 18,650 lbs. for the main winch and for the auxiliary winch
- winch and for the auxiliary winch.

 13. Loaded boom angles are approximate. The boom angle before loading should be greater to account for deflection
- before loading should be greater to account for deflection.

 14. The 43.3ft boom length capacities are based on the telescoping boom being fully retracted. If not fully retracted (less than 57.7ft boom length) use the total rated loads for the 57.7ft boom length according to the telescoping sequence.
- the 57.7ft boom length according to the telescoping sequence.

 15. 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.
- 16. When erecting or stowing the fly jib, be sure to retain it by hand or by other means to prevent its free movement.

 17. Use the Anti-Two Block (OVERWIND CUTOUT) disable switch
- 17. Use the Ánti-Two Block (OVERWIND CUTOUT) 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.
- even when an overwind condition occurs.

 18. The working radius specified in the TADANO LOAD RATING CHARTS for the 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.
- 19. When lifting a load by using the 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. Safe Load Indicator (S.L.I.) Before working with the telescopic boom or fly jib, make sure that the S.L.I. code is set according to the desired telescoping sequence while the telescopic boom is completely retracted. A change of the telescoping sequence is not permissible when the boom has been partially of fully extended. In order to change the S.L.I. code number, the boom must be fully retracted.
- O. Working with Single Top
 Operation with the single top is allowed with the main winch and the auxiliary 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 > -<1,100 lbs > -<1,fifting equipment>) is the total rated lifting capacity for a single top lift.

DEFINITIONS

- Working 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.
- 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

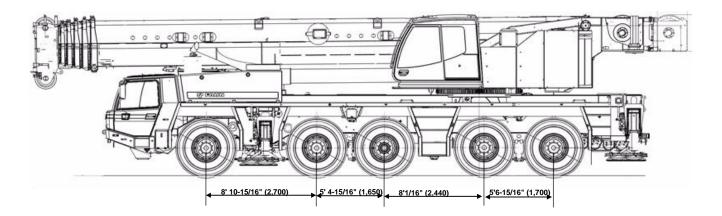
The Safe Load Indicator is intended as an aid to the operator. Under no condition should it be relied upon to replace of Load Rating Charts and Operating Instructions.

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.

ATF160G-5 Axle weight distribution chart

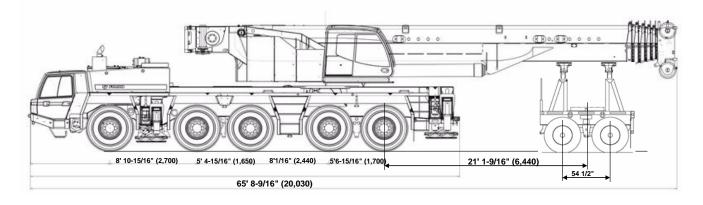
1) Normal traveling condition

	GVW	Axle 1	Axle 2	Axle 3	Axle 4	Axle 5
Base machine with 16.00R25 tires, no counterweight, no fuel, no di		24,430	24,617	26,460	24,360	24,200
Add: 1. 11.0 ton hook ball (in carrier storage)	662	-103	-103	0	433	433
2. 27.5 ton hook block in front	660	573	573	0	-243	-243
3. 69.4 ton hook block in front	1,324	1,147	1,147	0	-485	-485
4. 88.0 ton hook block in front	1,765	1,528	1,528	0	-646	-646
5. 138.0 ton hook block in front	2,645	2,291	2,291	0	-970	-970
6. 200.0 ton hook block at boom head	5,070	4,394	4,394	0	-1,858	-1,858
7. Boom extension (43.3ft) stored on main boom	3,351	1,741	1,741	0	-66	-66
8. Auxiliary winch with cable	3,043	-866	-866	0	2,388	2,388
9. Auxiliary boom point sheave (single top)	187	173	173	0	-80	-80
10. Air conditioning in carrier cab	102	71	71	0	-20	-20
11. Air conditioning in crane cab	106	7	7	0	47	47
12. Tool box at rear	143	-36	-36	0	108	108
13. Additional Hydraulic oil cooler	102	2	2	0	49	49
14. 20.5R25 tires in lieu of 16:00R25	1,035	207	207	207	207	207
15. Towing attachement(190 kN)	176	-44	-44	0	132	132
16. Air & electrical circuits to rear for boom dolly	25	-4	-4	0	17	17
17. Free swing & boom hoist circuit for boom dolly	82	3	3	0	39	39



2) Traveling with boom dolly

	GVW	Axle 1	Axle 2	Axle 3	Axle 4	Axle 5	Boom Dolly
Base machine with 16.00R25 tires, no counterweight, no fuel, no drive		19,622	19,810	19,792	20,108	19,947	24,787
Add: 1. 11.0 ton hook ball (in carrier storage)	662	-103	-103	0	433	433	0
2. 27.5 ton hook block at boom head	660	0	0	0	0	0	660
3. 69.4 ton hook block at boom head	1,324	0	0	0	0	0	1,324
4. 88.0 ton hook block at boom head	1,765	0	0	0	0	0	1,765
5. 138.0 ton hook block at boom head	2,645	0	0	0	0	0	2,645
6. 200.0 ton hook block at boom head	5,070	0	0	0	0	0	5,070
7. Boom extension (43.3ft) stored on main boom	3,351	236	236	0	180	180	2,521
8. 19.69' intermediate sections for boom extension	884	0	0	0	0	0	884
Auxiliary winch with cable	3,043	1,335	1,335	0	187	187	0
10. Auxiliary boom point sheave (single top)	187	-12	-12	0	-9	-9	229
11. Air conditioning in carrier cab	102	71	71	0	-20	-20	0
12. Air conditioning in crane cab	106	10	10	0	43	43	0
13. Tool box at rear	143	-36	-36	0	108	108	0
14. Additional Hydraulic oil cooler	102	13	13	0	38	38	0
15. 20.5R25 tires in lieu of 16:00R25	1,035	207	207	207	207	207	0
16. Dolly brackets at boom	154	0	0	0	0	0	154
17. Towing attachement(190 kN)	176	-44	-44	0	132	132	0
18. Air & electrical circuits to rear for boom dolly	25	-4	-4	0	17	17	17
19. Free swing & boom hoist circuit for boom dolly	82	10	10	0	31	31	0



MEMO	

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