



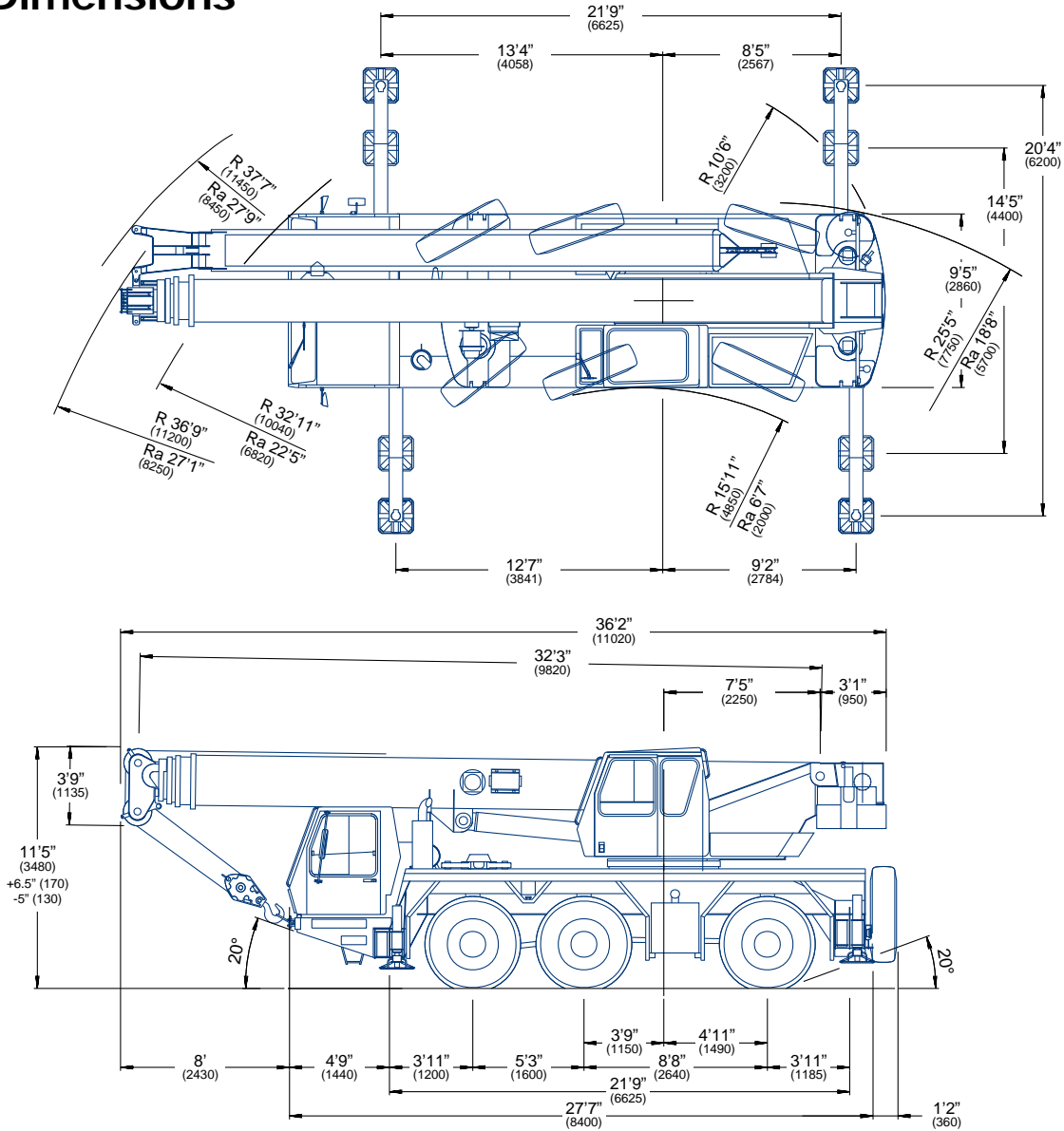
GMK3050

All Terrain Hydraulic Crane





Dimensions



Note: () Reference dimensions in mm

BASIC WEIGHTS (LBS.)

With Mercedes Power, 6x4x6, 20.5 R25 Tires,

12,500 lbs Fixed Counterweight

Hydraulic Oil Cooler, Brackets for Lattice Extension

Axles 1 & 2

Axle 3

Total

45,632

28,548

74,180

Additions:

Outrigger Pads

227

104

331

Auxiliary Hoist

-(712)

1,947

1,235

Lattice Extension - 28/49 ft

2,895

-(955)

1,940

Rooster Sheave

293

-(181)

112

6 x 6 Drive

962

-(168)

794

Electric Driveline Retarder

44

375

419

16.00 R25 Tires in lieu

-(370)

-(186)

-(556)

14.00 R25 Tires in lieu

-(899)

-(450)

-(1,349)

Spare Tire - 14.00 R25 (with stowage bracket)

-(282)

866

584

Spare Tire - 16.00 R25 (with stowage bracket)

-(352)

1,069

717

Spare Tire - 20.5 R25 (with stowage bracket)

-(408)

1,217

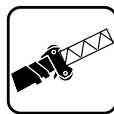
809



Working range



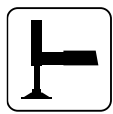
32 - 125 ft.
(9.8 - 38.1 m)



28 - 49 ft.
(8.7 - 15 m)



23,100 lbs.
(10,500 kg)

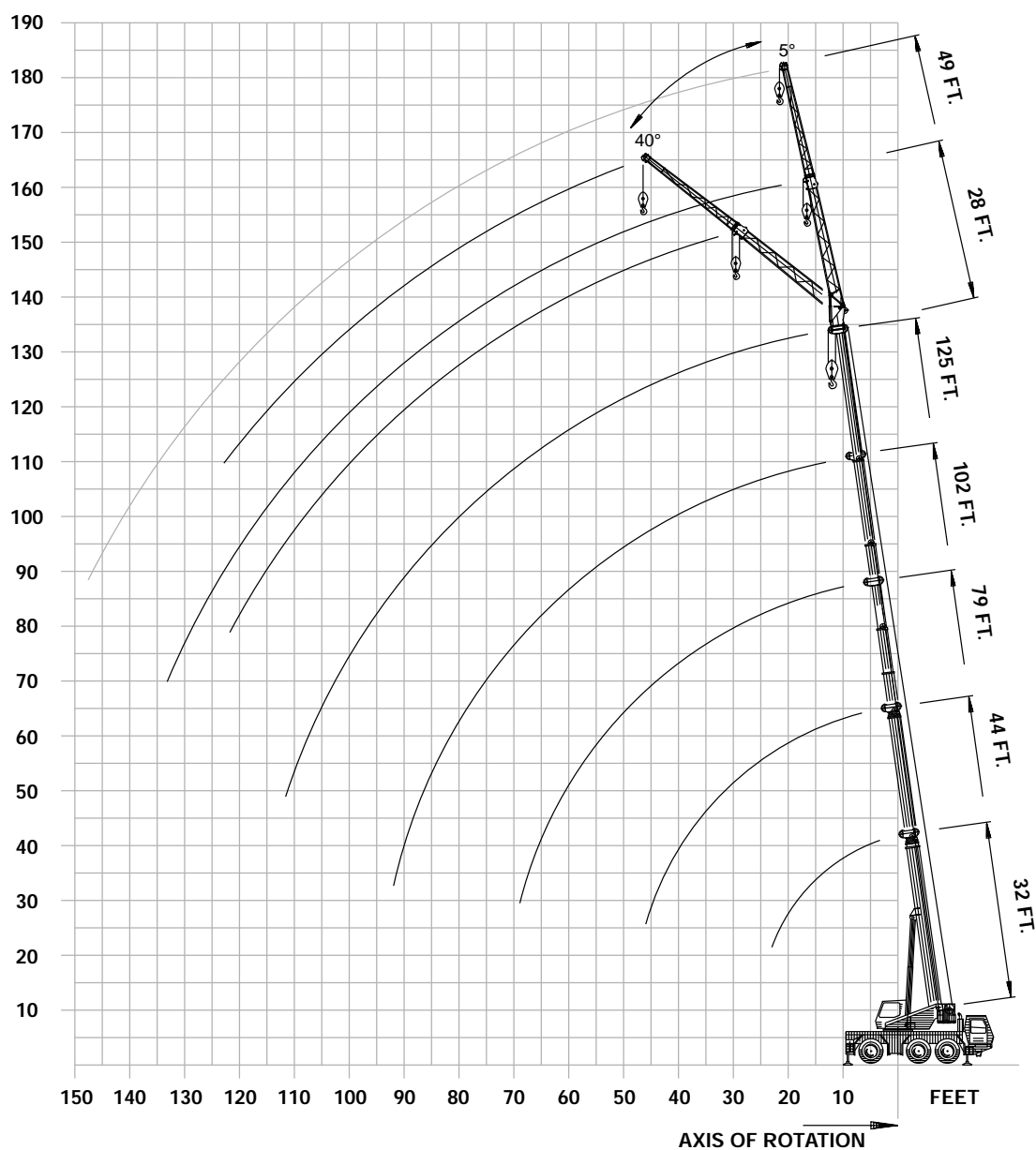


100%



360°

FEET





Superstructure specifications

Boom

32 ft. - 125 ft. (9.8 m - 38.1 m) five section, full-power boom. Maximum tip height: 133 ft. (40.5 m).

Boom Elevation

Single lift cylinder with safety valve provides boom angle from -3° to +82°.

Lattice Extension

28 ft. - 49 ft. (8.7 m - 15 m) lattice swingaway extension. Hydraulic offset / luffing capability 5° - 40°.

Load Moment & Anti-Two Block System

Load moment and anti-two block system with audio/visual warning and control lever lockout provides electronic display of boom angle, length, radius, tip height, relative load moment, maximum permissible load, load indication and warning of impending two-block condition.

Cab

Full vision aluminum cab, safety glass windows and adjustable operator's seat with hydraulic suspension. Other features include engine independent heater, arm-rest integrated crane controls, and ergonomically arranged instrumentation for carrier and superstructure.

Swing

Axial piston motor with planetary gear. Holding and service brake. Swing speed variable from 0 - 2.5 RPM.

Counterweight

23,150 lbs. (10 500 kg) consisting of various sections with hydraulic installation/removal system controlled from the cab.

Hydraulic system

Two separate open pump circuits with one axial piston variable displacement pump (load sensing) and one gear pump for swing. Thermostatically controlled oil cooler.

159 gallon (600 L) reservoir capacity.

All crane movements infinitely variable by hydraulic pilot circuit control levers with automatic reset to zero.

HOIST SPECIFICATIONS

Main Hoist

Axial piston variable displacement motor with planetary gear and multiple disc brake. Rope drum with special grooving. "Thumb-thumper" hoist drum rotation indicator alerts operator of hoist movement.

Single line pull: 9,900 lbs.
(44 kN)

Single line speed: 394 ft./min.
(120m/min)

Rope diameter: 16 mm

Rope length: 492 ft.
(150 m)

Auxiliary Hoist

Axial piston variable displacement motor with planetary gear and multiple disc brake. Rope drum with special grooving. "Thumb-thumper" hoist drum rotation indicator alerts operator of hoist movement.

Single line pull: 9,900 lbs.
(44 kN)

Single line speed: 394 ft./min.
(120m/min)

Rope diameter: 16 mm

Rope length: 492 ft.
(150 m)

* Optional equipment

- *Second spotlight
- *Stereo/cassette player
- *Air Conditioning

*Denotes optional equipment



Carrier specifications

Chassis

Box-type, torsion resistant frame is fabricated from high-strength steel.

Outrigger System

Four hydraulically telescoping beam outriggers with vertical cylinders and outrigger pads. Outriggers can be set in 2 positions:

Fully extended (100%) - 20' 4" (6.2m)

Partially extended (50%) - 14' 5" (4.4m)

Independent horizontal and vertical movement control on each side of the carrier and from the crane operator's cab. Crane level indicators at each control station.

Engine

Mercedes-Benz OM501LA, diesel, 6 cylinders, water cooled, turbo charged and aftercooled, 349 HP (260 kW) at 1800 rpm. Max. torque: 1,276 ft./lbs. (1730 Nm) at 1080 rpm.

Engine emission: EURO II/EUROMOT/EPA/CARB (off highway).

Fuel Tank Capacity: 95 gallons. (360 L).

Transmission

Allison automatic MD 3066 P, 6 forward and 1 reverse speed. Transfer case with 2 speeds, inter-axle differential lock and integrated central power take-off for the second axle line.

Drive/Steer

6 x 4 x 6

Axles

1st axle line - steer.

2nd axle line - drive/steer.

3rd axle line - drive/steer.

Drive axles with planetary hub reduction and center mounted gearing

Suspension

GMK3050 features the Grove exclusive MEGATRAK† suspension. This revolutionary design features an independent hydroneumatic system with hydraulic lockout acting on all wheels. The suspension can be raised 6-1/2" (170 mm) or lowered 5" (130 mm) both longitudinally and transversely and features an automatic leveling system for on-highway travel.

Tires

6 tires, 20.5 R25.

Steering

Dual circuit, Servocom power steering with emergency steering pump. Axles 1 and 2 steer on highway.

Separate steering of the 3rd axle line for all-wheel steering and crab-steer is controlled by an electric rocker switch.

Brakes

Service brake: pneumatic dual circuit acting on all wheels, air dryer. Permanent brake: exhaust brake and constant throttle brake is standard.

Parking brake: pneumatically operated spring-loaded, acting on 2nd and 3rd axle lines.

Cab

Aluminum, two-man design, safety glass, driver's seat with hydraulic suspension, engine-dependent hot water heater. Complete instrumentation and driving controls. Cab can be tilted forward by 60° for easy access to engine, transmission, hydraulic pumps, heater and batteries.

Electrical system

24 V system with three-phase alternator 28 V/100 A, 2 batteries 12 V/170 Ah.

Maximum Speed

53 mph (85 km/h) with 20.5 R25 Tires

Gradeability (theoretical)

52% with 20.5 R25 Tires

Miscellaneous standard equipment

Additional hydraulic oil cooler; spare tire and wheel - 20.5 R25 with carry bracket; flashing amber warning light on carrier cab; working light; tool kit; fire extinguisher; rooster sheave; radio cassette in carrier cab.

* Optional equipment

* 6 x 6 x 6

* Electric driveline retarder

* 16.00 R25 tires (vehicle width 9 ft. [2.75 m])

* 14.00 R25 tires (vehicle width 8 ft. 2 in. [2.50 m])

* Engine-independent hot water heater, with engine pre-heater

* Trailing boom kit (less dolly)

* Air conditioning

* Denotes optional equipment

† "G MEGATRAK" (and design) is a trademark of Grove U.S. L.L.C.



		32 - 125 ft. (9.8 - 38.1 m)		23,150 lbs. (10,500 kg)		100% 20'4" Spread		360°			
		Pounds									
Feet		32	44	55	67	79	90	102	113	125	
10		*110,000									
10		108,000									
15		81,000	67,000	67,000	38,800	38,800	36,400	26,600	20,600		
20		61,000	50,000	56,000	38,800	38,800	36,400	26,600	20,600	17,400	
25			42,000	43,800	38,800	37,600	34,600	26,400	20,600	17,400	
30			35,200	36,400	33,000	32,800	30,000	24,600	20,400	17,400	
35				28,200	26,200	26,200	26,000	22,400	20,200	17,400	
40				22,600	23,200	21,000	21,400	20,400	20,000	17,200	
45				18,600	19,200	17,000	17,600	17,800	17,800	16,800	
50					16,200	14,600	16,000	15,000	15,200	15,200	
55						13,600	14,400	13,400	13,000	13,000	
60						12,000	12,400	12,400	11,000	11,200	
65						10,400	10,600	10,800	9,200	9,600	
70							9,200	9,400	7,800	8,200	
75							8,000	8,200	6,600	7,000	
80								7,200	5,600	6,000	
85								6,400	4,800	5,000	
90								5,600	4,000	4,200	
95									3,400	3,600	
100										3,000	
105										2,400	
110										2,000	

		T1 T2 T3 T4		%						
T1	0	50/0	100/0	100/0	100/0	100/0	100/0	100/0	100	100
T2	0	0/17	0/33	17/50	33/67	50/83	67/100	83	100	100
T3	0	0/17	0/33	17/50	33/67	50/83	67/100	83	100	100
T4	0	0/17	0/33	17/50	33/67	50/83	67/100	83	100	100

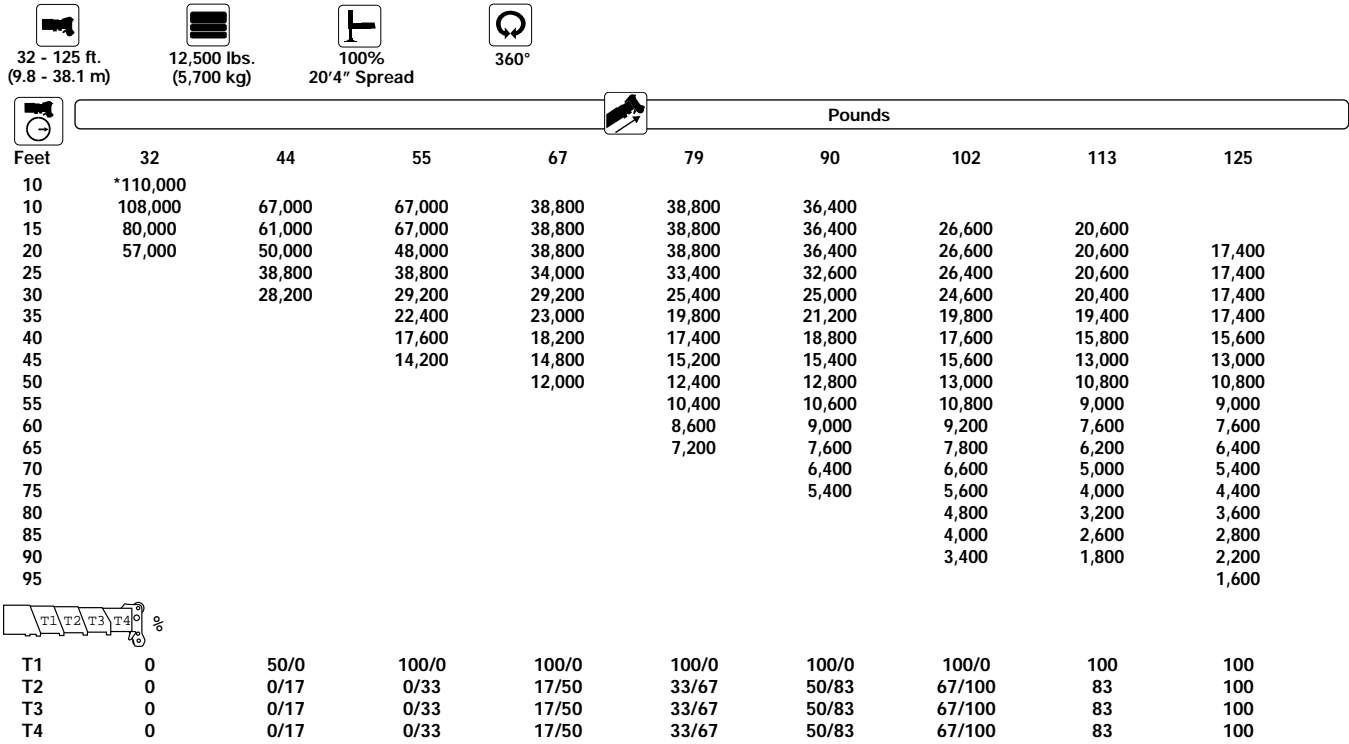
* Over rear only.
Lifting capacities greater than 97,000 lbs (44,000 kg) require additional equipment.
NOTE: Above loadchart also available with 50% outriggers.

		32 - 125 ft. (9.8 - 38.1 m)		15,400 lbs. (7,000 kg)		100% 20'4" Spread		360°			
		Pounds									
Feet		32	44	55	67	79	90	102	113	125	
10		*110,000									
10		108,000									
15		81,000	67,000	67,000	38,800	38,800	36,400	26,600	20,600		
20		58,000	50,000	52,000	38,800	38,800	36,400	26,600	20,600	17,400	
25			38,800	38,800	36,400	35,800	34,600	26,400	20,600	17,400	
30			30,000	31,200	31,200	29,200	27,400	27,000	24,600	17,400	
35				24,000	24,600	21,600	21,600	21,400	20,200	17,400	
40				19,200	19,600	17,400	19,400	17,600	17,200	17,000	
45				15,400	16,000	16,000	16,800	16,000	14,400	14,200	
50					13,200	13,600	14,000	14,200	12,000	12,000	
55						11,400	11,800	12,000	10,200	10,200	
60						9,600	10,000	10,200	8,400	8,600	
65						8,000	8,400	8,600	7,000	7,200	
70							7,200	7,400	5,800	6,000	
75							6,200	6,400	4,800	5,000	
80								5,400	3,800	4,200	
85								4,600	3,200	3,400	
90								4,000	2,400	2,800	
95									1,800	2,200	
100										1,600	

		T1 T2 T3 T4		%						
T1	0	50/0	100/0	100/0	100/0	100/0	100/0	100/0	100	100
T2	0	0/17	0/33	17/50	33/67	50/83	67/100	83	100	100
T3	0	0/17	0/33	17/50	33/67	50/83	67/100	83	100	100
T4	0	0/17	0/33	17/50	33/67	50/83	67/100	83	100	100

* Over rear only.
Lifting capacities greater than 97,000 lbs (44,000 kg) require additional equipment.
NOTE: Above loadchart also available with 50% outriggers.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



* Over rear only.
 Lifting capacities greater than 97,000 lbs (44,000 kg) require additional equipment.
 NOTE: Above loadchart also available with 50% outriggers.



FIXED LATTICE EXTENSION

102 - 125 ft. (31 - 38.1 m)
 28 - 49 ft. (8.7 - 15 m)
 23,100 lbs. (10,500 kg)
 100% 20'4" Spread
 360°

		102 FT MAIN BOOM						125 FT MAIN BOOM					
		28 FT		49 FT				28 FT		49 FT			
Feet		5°	20°	40°	5°	20°	40°	5°	20°	40°	5°	20°	40°
20	10,000				6,000			8,400			5,400		
25	10,600				6,600			8,400			5,400		
30	10,600	10,600			6,600			8,400	8,400		5,400		
35	10,600	10,200	8,400		6,600	5,800		8,400	8,400	7,800	5,400		
40	10,600	9,800	8,200		6,400	5,400	4,400	8,400	8,400	7,800	5,400	5,200	
45	10,600	9,400	8,000		6,400	5,000	4,200	8,400	8,400	7,600	5,400	5,000	4,200
50	10,200	9,000	7,800		6,400	4,800	4,000	8,400	8,400	7,400	5,400	5,000	4,000
55	9,600	8,800	7,600		6,200	4,600	3,800	8,400	8,400	7,200	5,400	4,800	4,000
60	9,200	8,400	7,400		5,800	4,400	3,600	8,400	8,400	7,200	5,400	4,600	4,000
65	8,600	8,200	7,400		5,600	4,200	3,400	8,400	8,400	7,200	5,400	4,400	3,800
70	8,200	7,800	7,200		5,400	4,000	3,200	8,400	8,200	7,200	5,400	4,400	3,800
75	7,800	7,600	7,200		5,200	4,000	3,000	7,400	7,800	7,200	5,400	4,400	3,800
80	7,400	7,200	7,000		5,000	4,000	2,800	6,400	6,800	7,200	5,200	4,400	3,800
85	6,800	7,000	6,800		4,800	4,200	2,600	5,600	5,800	6,200	5,000	4,400	3,800
90	6,000	6,200	6,400		4,600	4,200	2,400	4,800	5,000	5,200	4,800	4,200	3,800
95	5,400	5,400	5,600		4,600	4,000	2,200	4,000	4,200	4,400	4,800	4,200	3,600
100	4,600	4,800			4,200	4,000	2,000	3,400	3,600	3,800	4,000	4,000	3,600
105	4,000	4,200			4,200	3,800	1,800	2,800	3,000	3,200	3,600	4,000	3,600
110	3,600	3,600			4,000	3,800	1,600	2,200	2,400	2,600	3,000	3,400	3,600
115	3,200				3,800	3,600	1,400	1,800	2,000		2,600	3,000	3,200
120					3,400	3,600	1,200				2,200	2,400	2,800
125					3,000	3,200	1,000					2,000	2,200
130					2,600	2,600	800					1,600	1,800
135					2,200		600						

T	102 FT MAIN BOOM	125 FT MAIN BOOM
T1	0/100	100
T2	100/67	100
T3	100/67	100
T4	100/67	100

LATTICE EXTENSION (LUFFING)

102 - 125 ft. (31 - 38.1 m)
 28 - 49 ft. (8.7 - 15 m)
 23,100 lbs. (10,500 kg)
 100% 20'4" Spread
 360°

		102 FT MAIN BOOM				125 FT MAIN BOOM			
		28 FT		49 FT		28 FT		49 FT	
Feet		*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°
30	5,600			2,800		5,200			
35	5,200	4,200		2,600		5,000	4,000		
40	5,000	4,000		2,400	2,000	4,800	4,000	2,600	
45	4,600	4,000		2,400	2,000	4,600	3,800	2,600	
50	4,400	3,800		2,200	1,800	4,400	3,800	2,400	2,000
55	4,200	3,800		2,000	1,800	4,200	3,800	2,200	1,800
60	4,000	3,600		2,000	1,800	4,000	3,600	2,200	1,800
65	3,800	3,600		1,800	1,600	4,000	3,600	2,000	1,800
70	3,800	3,600		1,800	1,600	3,800	3,600	2,000	1,800
75	3,600	3,400		1,800	1,600	3,600	3,400	1,800	1,600
80	3,400	3,400		1,600	1,600	3,600	3,400	1,800	1,600
85	3,400	3,400		1,600	1,600	3,400	3,400	1,800	1,600
90	3,200	3,200		1,600	1,600	3,400	3,400	1,800	1,600
95	3,200	3,200		1,600	1,600	3,200	3,200	1,600	1,600
100	3,000			1,400	1,400	2,600	2,800	1,600	1,600
105	3,000			1,400	1,400	2,000	2,200	1,600	1,400
110	2,800			1,400	1,400	1,600		1,600	1,400
115				1,400	1,400			1,400	1,400
120								1,400	1,400
125								1,400	1,400
130								1,400	1,400

T	102 FT MAIN BOOM	125 FT MAIN BOOM
T1	0/100	100
T2	100/67	100
T3	100/67	100
T4	100/67	100

* Luffing under load.

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FIXED LATTICE EXTENSION

102 - 125 ft. (31 - 38.1 m)
 28 - 49 ft. (8.7 - 15 m)
 15,400 lbs. (7,000 kg)
 100% 20'4" Spread
 360°

		102 FT MAIN BOOM						125 FT MAIN BOOM					
		28 FT		49 FT				28 FT		49 FT			
Feet		5°	20°	40°	5°	20°	40°	5°	20°	40°	5°	20°	40°
20	10,000												
25	10,600				6,000								
30	10,600				6,600			8,400					
35	10,600		10,600		6,600			8,400			5,400		
40	10,600		9,800	8,400	6,400	5,800		8,400	8,400		5,400		
45	10,600		9,400	8,000	6,400	5,600		8,400	8,400	7,800	5,400		
50	10,200		9,000	7,800	6,400	5,400	4,400	8,400	8,400	7,800	5,400	5,200	
55	9,600		8,800	7,600	6,200	5,200	4,200	8,400	8,400	7,600	5,400	5,200	
60	9,200		8,400	7,400	5,800	5,000	4,200	8,400	8,400	7,400	5,400	5,000	4,200
65	8,600		8,200	7,400	5,600	4,800	4,000	7,400	8,000	7,400	5,400	4,800	4,000
70	8,000		7,800	7,200	5,400	4,600	4,000	6,200	6,800	7,200	5,400	4,600	4,000
75	7,000		7,200	7,200	5,200	4,400	3,800	5,400	5,800	6,200	5,400	4,600	4,000
80	6,000		6,200	6,600	5,000	4,400	3,800	4,400	4,800	5,200	5,000	4,400	3,800
85	5,200		5,400	5,600	4,800	4,200	3,800	3,800	4,200	4,400	4,400	4,400	3,800
90	4,400		4,600	4,800	4,600	4,200	3,800	3,000	3,400	3,800	3,800	4,200	3,800
95	3,800		4,000	4,200	4,400	4,000	3,600	2,600	2,800	3,000	3,200	3,800	3,600
100	3,200		3,400		4,000	3,800	3,600	2,000	2,200	2,400	2,600	3,200	3,600
105	2,800		2,800		3,400	3,800	3,600	1,400	1,800	1,800	2,200	2,600	3,200
110	2,400		2,400		3,000	3,200	3,600			1,400	1,800	2,200	2,600
115	2,000				2,600	2,800	3,000				1,400	1,800	2,000
120					2,200	2,400						1,400	1,600
125					1,800	2,000							
130					1,600	1,600							

T1		0/100
T2		100/67
T3		100/67
T4		100/67

LATTICE EXTENSION (LUFFING)

102 - 125 ft. (31 - 38.1 m)
 28 - 49 ft. (8.7 - 15 m)
 15,400 lbs. (7,000 kg)
 100% 20'4" Spread
 360°

		102 FT MAIN BOOM				125 FT MAIN BOOM			
		28 FT		49 FT		28 FT		49 FT	
Feet		*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°
30	5,600								
35	5,200		4,200						
40	5,000		4,000		2,800				
45	4,600		4,000		2,600				
50	4,400		3,800		2,400	2,000			
55	4,200		3,800		2,400	2,000		2,600	
60	4,000		3,600		2,200	1,800		2,600	
65	3,800		3,600		2,000	1,800		2,400	2,000
70	3,800		3,600		2,000	1,800		2,200	1,800
75	3,600		3,400		1,800	1,600		2,200	1,800
80	3,400		3,400		1,800	1,600		2,000	1,800
85	3,400		3,400		1,800	1,600		1,800	1,600
90	3,200		3,200		1,600	1,600		1,800	1,600
95	3,200		3,200		1,600	1,600		1,800	1,600
100	3,000				1,600	1,400		1,600	1,600
105	2,600				1,400	1,400		1,600	1,600
110	2,200				1,400	1,400		1,600	1,400
115					1,400	1,400			1,400

T1		0/100
T2		100/67
T3		100/67
T4		100/67

* Luffing under load.

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FIXED LATTICE EXTENSION

102 - 125 ft. (31 - 38.1 m)
 28 - 49 ft. (8.7 - 15 m)
 12,500 lbs. (5,700 kg)
 100% 20'4" Spread
 360°

		102 FT MAIN BOOM						125 FT MAIN BOOM					
		28 FT		49 FT				28 FT		49 FT			
Feet		5°	20°	40°	5°	20°	40°	5°	20°	40°	5°	20°	40°
20	10,000												
25	10,600				6,000								
30	10,600				6,600			8,400					
35	10,600		10,600		6,600			8,400			5,400		
40	10,600		9,800	8,400	6,400	5,800		8,400	8,400		5,400		
45	10,600		9,400	8,000	6,400	5,600		8,400	8,400	7,800	5,400		
50	10,200		9,000	7,800	6,400	5,400	4,400	8,400	8,400	7,800	5,400	5,200	
55	9,600		8,800	7,600	6,200	5,200	4,200	8,400	8,400	7,600	5,400	5,200	
60	9,200		8,400	7,400	5,800	5,000	4,200	7,600	8,200	7,400	5,400	5,000	4,200
65	8,400		8,200	7,400	5,600	4,800	4,000	6,400	7,000	7,400	5,400	4,800	4,000
70	7,200		7,600	7,200	5,400	4,600	4,000	5,400	6,000	6,400	5,400	4,600	4,000
75	6,200		6,600	6,800	5,200	4,400	3,800	4,600	5,000	5,400	5,200	4,600	4,000
80	5,400		5,600	5,800	5,000	4,400	3,800	3,800	4,200	4,600	4,400	4,400	3,800
85	4,600		4,800	5,000	4,800	4,200	3,800	3,000	3,400	3,800	3,600	4,400	3,800
90	3,800		4,000	4,200	4,600	4,000	3,800	2,400	2,800	3,000	3,000	3,800	3,800
95	3,200		3,400	3,600	4,000	4,000	3,600	1,800	2,200	2,400	2,600	3,200	3,600
100	2,800		3,000		3,400	3,800	3,600	1,400	1,600	1,800	2,000	2,600	3,200
105	2,200		2,400		3,000	3,200	3,600			1,400	1,600	2,000	2,600
110	1,800		2,000		2,600	2,800	3,000					1,600	2,000
115	1,400				2,200	2,400	2,600						1,600
120					1,800	2,000							
125					1,400	1,600							

T	102 FT MAIN BOOM	125 FT MAIN BOOM
T1	0/100	100
T2	100/67	100
T3	100/67	100
T4	100/67	100

LATTICE EXTENSION (LUFFING)

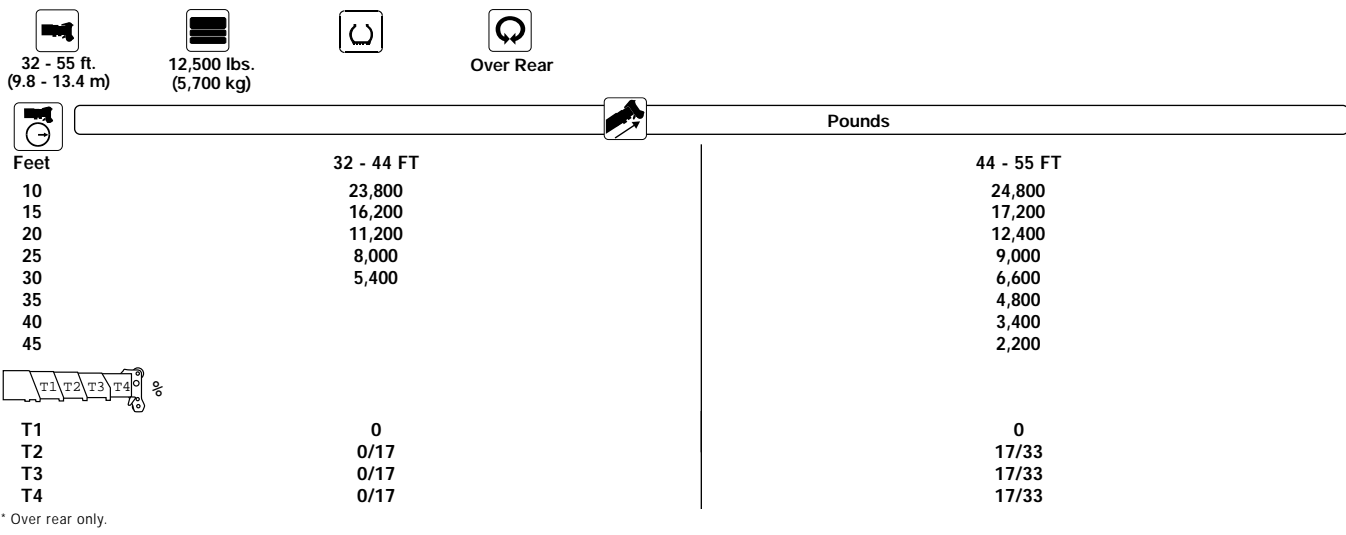
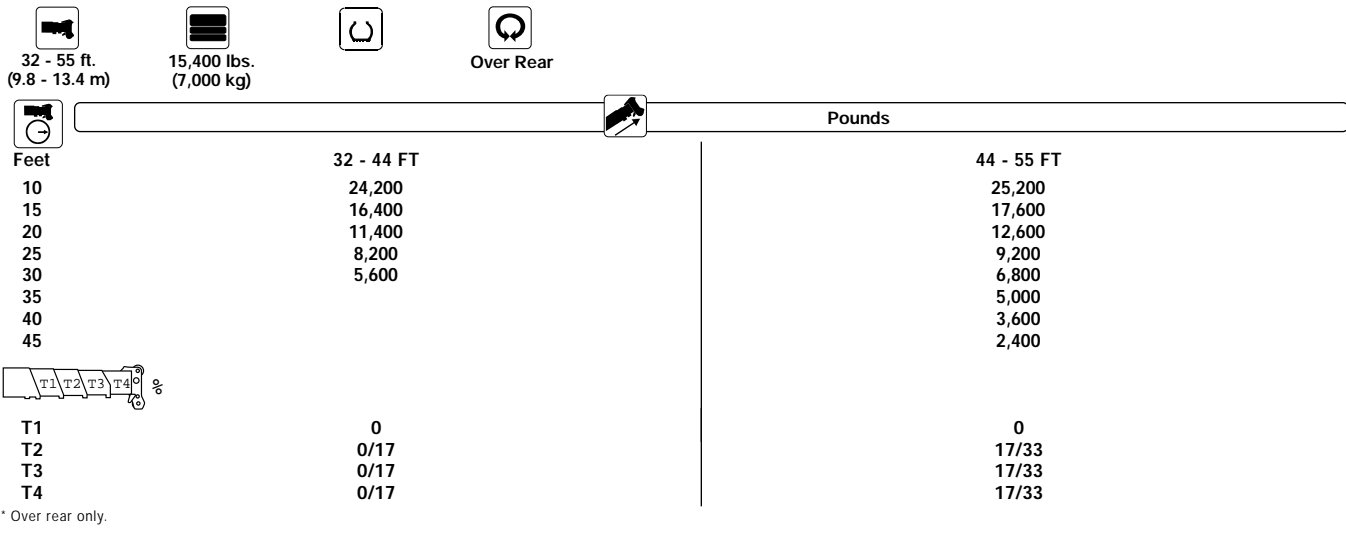
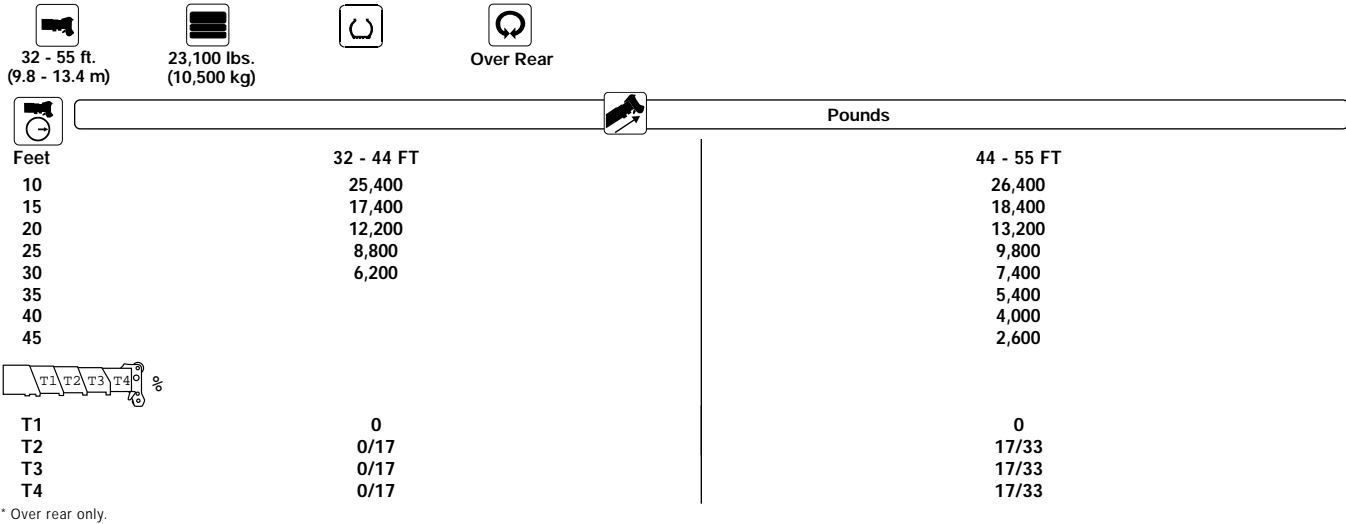
102 - 125 ft. (31 - 38.1 m)
 28 - 49 ft. (8.7 - 15 m)
 12,500 lbs. (5,700 kg)
 100% 20'4" Spread
 360°

		102 FT MAIN BOOM				125 FT MAIN BOOM			
		28 FT		49 FT		28 FT		49 FT	
Feet		*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°	*5° - 20°	*20° - 40°
30	5,600								
35	5,200		4,200						
40	5,000		4,000		2,800				
45	4,600		4,000		2,600				
50	4,400		3,800		2,400	2,000			
55	4,200		3,800		2,400	2,000			
60	4,000		3,600		2,200	1,800			
65	3,800		3,600		2,000	1,800			
70	3,800		3,600		2,000	1,800			
75	3,600		3,400		1,800	1,600			
80	3,400		3,400		1,800	1,600			
85	3,400		3,400		1,800	1,600			
90	3,200		3,200		1,600	1,600			
95	3,000		3,200		1,600	1,600			
100	2,600				1,600	1,400			
105	2,000				1,400	1,400			
110	1,800				1,400	1,400			
115					1,400	1,400			

T	102 FT MAIN BOOM	125 FT MAIN BOOM
T1	0/100	100
T2	100/67	100
T3	100/67	100
T4	100/67	100

* Luffing under load.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



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Rated Lifting Capacities

IMPORTANT NOTES:

WARNING: THIS CHART IS ONLY A GUIDE.
The notes below are for illustration only and should not be relied upon to operate the crane. The individual crane's load chart, operating instructions and other instruction plates must be read and understood prior to operating the crane.

1. All rated loads meet ANSI/ASME B30.5, Mobile and Locomotive Cranes. Testing and development were performed to SAEJ1063, Cantilevered Boom Crane Structures - Method of Test and SAEJ765 Crane Stability Test Code.



2. Capacities given do not include the weight of hook blocks, slings, auxiliary lifting equipment and load handling devices. Their weights must be added to the load to be lifted. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.

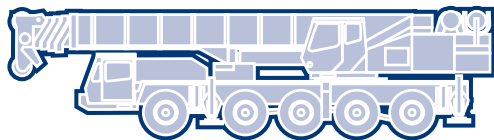
3. The machine shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the load to a larger bearing surface.

4. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or next longer or shorter boom length shall be used.

5. For outrigger operation, outriggers shall be properly extended with tires raised off the ground before operating the boom or lifting loads.

Symbols Glossary

	Frame		Steering
	Outriggers		Transmission
	Outrigger Controls		Axles
	Engine		Brakes
	Fuel Tank Capacity		Tires
	Electrical System		Suspension
	Drive		Rotation
	Lights		Boom Elevation
	Cab		Swing
	Boom		Counterweight
	Fixed Swingaway		Oil
	Tele-Swingaway		Hydraulic System
	Lattice Extension (Luffing)		Hoist
	Boom Nose		Radius
	Boom Extension		Boom Length
	Speed		Hookblock
	Grade		Gear
	Lattice Extension		Luffing Jib



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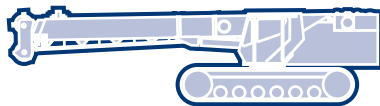
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