



RT35/RT40 PRODUCT GUIDE

Complies with ANSI B30.5

Rough Terrain Crane

35 metric ton (40 U.S. ton) capacity

31 m (101.7') main boom

9 m - 14 m (29.5' - 46') jib



RT35/RT40

CONTENTS

2 FEATURES

3 KEY / SYMBOLS

4-6 TECHNICAL DESCRIPTION

7 CRANE AND COMPONENT WEIGHTS

8 CRANE DIMENSIONS

9 WORKING RANGE DIAGRAM

10-21 LOAD CHARTS

FEATURES



Formed boom made with high-yield steel which reduces the operating weight of the boom and maximizes performance.



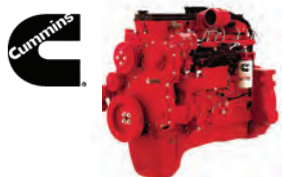
Manufacturing flexibility and regional preference, we offer either Kessler or AxleTech axles. Both are leading axle manufacturers with years of experience in the mobile crane business.



Full vision operator cab is designed for maximum comfort and ease of operation.



The Dana transmission offers the latest technology for the diverse needs of off-road cranes.



The Cummins QSB 6.7 diesel engine is TIER-III compliant and is proven to have superior performance and durability.



PAT Hirschmann HC4900 LMI (load moment indicator) is the industry's leading electronic monitoring system available.

STANDARD EQUIPMENT

- Formed boom
- Offsettable jib 0° - 20° - 40°
- Auxiliary winch
- Cameras
- Auxiliary lifting sheave
- 35 ton (40 U.S. ton) hook block
- 5.5 ton (6.1 U.S. ton) hook ball
- Rotation-resistant wire rope
- Deluxe tilt seat
- Air conditioner / Heater
- Work light package: boom, cab and super structure
- Revolving amber light
- AM/FM radio
- Battery disconnect switch
- Front and rear lift lugs

ANSI & CE Standard

KEY / SYMBOLS

	Engine	p4		Load Moment Indicator (LMI)	p5
	Transmission	p4		Max. boom length with jib ext.	p5
	Axles	p4		Main boom	p6
	Steering	p4		Main and auxiliary winches	p6
	Gradeability	p4		Cameras	p6
	Brakes	p4		Hook block	p6
	Tires and wheels	p4		Hook ball	p6
	Outrigger system (100%, 50%, 0% extended)	p4		Crane with counterweight	p7
	Hydraulic system	p5		Side-stowed jib	p7
	Operator cab	p5		Distance from the hook to the head	p8
	Counterweight	p5		Tip height	p9
	Swing	p5		Working radius	p9



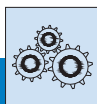
TECHNICAL DESCRIPTION



ENGINE

Cummins QSB 6.7 Inline 6 cylinder intercooled turbo diesel.
Kilowatts kW (Hp) 129 (173) @ 2200 rpm.
Peak torque Nm (ft. lb.) 799 (589) @ 1400 rpm.
303 liter (80 gal) fuel tank capacity.

USA Federal EPA / California ARB / European EU / Tier III emission rating.



TRANSMISSION

Dana powershift transmission - 6 speeds forward and 3 speeds reverse.
Front axle disconnect offering both 4x4 and 4x2 operation.
Max. speed 38 km/hr (23.6 mph).



AXLES

AxleTech or Kessler front and rear steering axles with planetary reduction.

Front - Rigid mount.

Rear - Full-floating rear axle. Automatic rear axle oscillating lock occurs when superstructure is swung 3° from centerline in either direction.



STEERING

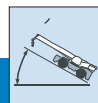
Power steering with four independent modes:

Front-Wheel

Rear-Wheel

All-Wheel

Crab



GRADEABILITY

57% max. gradeability in 1st gear 4x4.
2.5% max. gradeability in 6th gear 4x2.



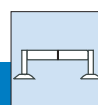
BRAKES

470 millimeters (18.5 in) diameter disc brakes on all wheels hydraulically operated.



TIRES AND WHEELS

20.5 x 25 - 28 ply rating, earthmoving-style tires. Steel disc wheels.



OUTRIGGER SYSTEM

Four independent horizontal beams and vertical jacks with integral holding valves, each independently controlled from operator cab.

100% - Fully extended outriggers

footprint 46.3 sq. m (498.4 sq. ft.).

50% - Mid position outriggers

footprint 32.7 sq. m (351.9 sq. ft.).

0% - Fully retracted outriggers

footprint 19 sq. m (205 sq. ft.).

Octagonal, steel fabricated

pontoon 0.16 sq. m (1.7 sq. ft.).

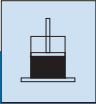
Total floating ground bearing

area 0.63 sq. m (6.8 sq. ft.).

Outrigger span Length 6.8 m (22.3 ft.).

Width 6.8 m (22.3 ft.).

TECHNICAL DESCRIPTION



HYDRAULIC SYSTEM

Hydraulic pumps:

Gear pump for main and auxiliary winches, boom hoist and telescope cylinders.

Gear pump for steering.

Gear pump for outriggers and slewing.

600 liter (158.5 gal) hydraulic reservoir with external sight and temperature gauge.

Easily accessible (10 micron) cartridge-style full-flow filters with bypass protection.

Max. operating pressure: 27MPa (3916 psi, 270 bar).



OPERATOR CAB

Full-vision operator cab designed for maximum comfort. All steel fabrication with acoustical lining and safety glass throughout. The cab has a sliding door on the left and a sliding window on the right side with a swing-up skylight with retractable shade and wiper motor. Fully adjustable deluxe seat with tilt. Foot controls for boom telescope, service brake and engine throttle. Tilt steering.

Temperature control is provided by a hydraulically driven air conditioning unit. Easy view dashboard with gauges for all engine sensors and rocker switch outrigger controls. Standard amenities also include bubble level, dome light, left-side rearview mirror, seat belt, travel swing lock and signal horn.



COUNTERWEIGHT

Single 4,500 kg (9,921 lbs.) fixed counterweight.

Length 2.9 m (9.7 ft.).

Width 0.9 m (2.8 ft.).

Height 0.9 m (2.8 ft.).



SWING

Bi-directional hydraulic swing drive with multi-disc wet brake and planetary reduction gearbox. Spring-applied hydraulically released swing brake and 360° pneumatic positive swing lock.

Max. swing speed: 2.5 rpm.



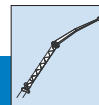
LOAD MOMENT INDICATOR (LMI)

PAT Hirschmann HC4900 LMI control system. iSCOUT IC4600 graphic display load moment and anti-two block system with audio-visual warning and function limiter.

System displays the following information: crane configuration, boom length, boom angle, load radius, allowed capacity, actual load, and load percentage of allowed capacity.

System includes settable work parameters: min./max. boom length, min./max. boom angle, defined swing area.

Greer RCI 777 LMI system also available for North America.



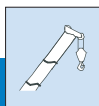
MAX. BOOM LENGTH WITH JIB EXTENSION

9-15 m (29.5-49.2 ft.) jib consisting of 9 m (29.5 ft.) lattice side stow jib and 6 m (19.7 ft.) manual pull out section. Main jib is offsettable at 0°, 20° and 40°.

Max. tip height with 9 m (29.5 ft.) jib erected is 41 m (134.5 ft.).

Max. tip height with 9 m (29.5 ft.) jib + 6 m (19.7 ft.) fixed pullout extension is 46 m (151 ft.).

TECHNICAL DESCRIPTION

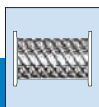


MAIN BOOM

Four-section, full-power, synchronized boom. Boom is constructed of high-yield steel. 5 sheave quick reeve boom tip with removable rope guards. Rope termination lugs on both sides of boom head. Auxiliary lifting sheave and manual angle indicator are included.

Fully extended boom length: 31 m (101.7 ft.).
Fully retracted boom length: 10 m (32.2 ft.).
Max. tip height, main boom: 33.8 m (111 ft.).

Boom angle range (min./max.) -3° / $+76^{\circ}$.
Boom raising / lowering time 56 sec. / 63 sec.
Boom extension / retraction time 100 sec. / 80 sec.



MAIN AND AUXILIARY WINCHES

Standard two speed main and auxiliary hoists, each with planetary reduction and spring applied multi-disc wet brake.

Each hoist features:

Grooved drum lagging.

Hoist drum cable followers.

Max. permissible line pull: 7,000 kg (15,432 lbs.).

Winch speed: (0 - 159 m/min (0 - 522 fpm)).

Power up / power down.

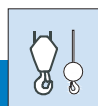
Electronic drum rotation indicators.

Rope construction: 17 mm (0.67 in.) rotation-resistant compacted strand.



CAMERAS

The crane comes equipped with two cameras—a winch camera for viewing hoist operation and a rear camera for viewing the rear of the crane. The monitor is located in the cab, and one can easily toggle between both camera views.



HOOK BLOCK AND HOOK BALL

35-ton (40 U.S. ton), 4 sheave (steel), standard reeve hook block with odd part pin-off and safety latch.

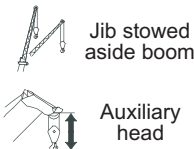
Hook block weight 330 kg (727.5 lbs.).

5.5-ton (6.1 U.S. ton) top swivel hook ball with safety latch.

Hook ball weight 120 kg (265 lbs.).


CRANE AND COMPONENT WEIGHTS

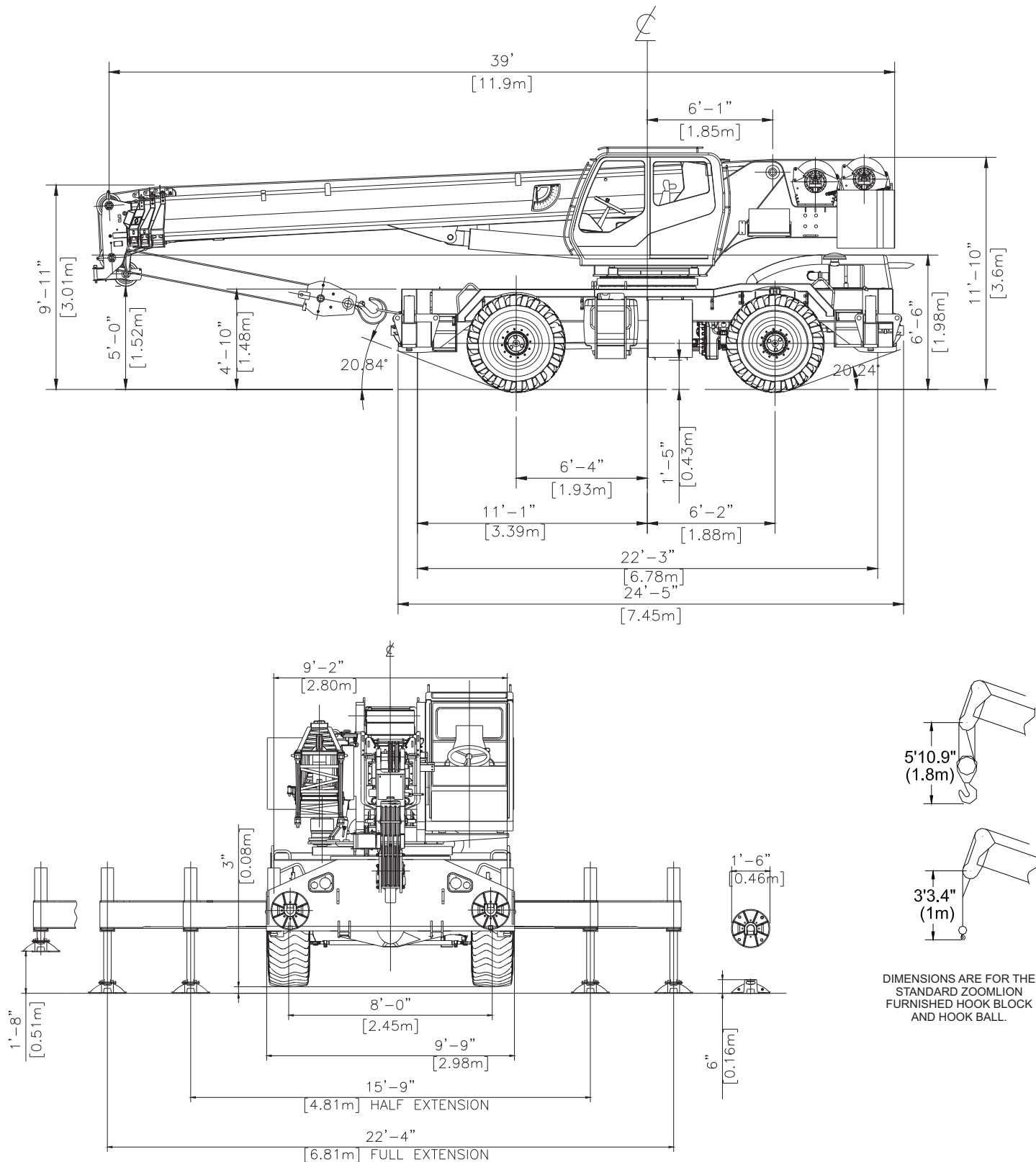
CRANE OPERATING WEIGHTS						
Gross Vehicle Weight		Front Axle Load		Rear Axle Load		
	kg	lb	kg	lb	kg	lb
	32,540	71,738	16,060	35,406	16,480	36,332
	31,980	70,503	16,040	35,362	15,940	35,141

DEDUCTIONS FOR LOAD HANDLING					
	kg	lb		kg	lb
	330	726	 4 sheave 40 U.S. ton hook block	330	727.5
	72	158	 6.1 U.S. ton hook ball	120	265

	Metric	Imperial
Front Wheel (4x2) Steering	12.7 m	42 ft.
All Wheel (4x4) Steering Radius	11.25 m	37 ft.
Tail Swing	3.7 m	12 ft.

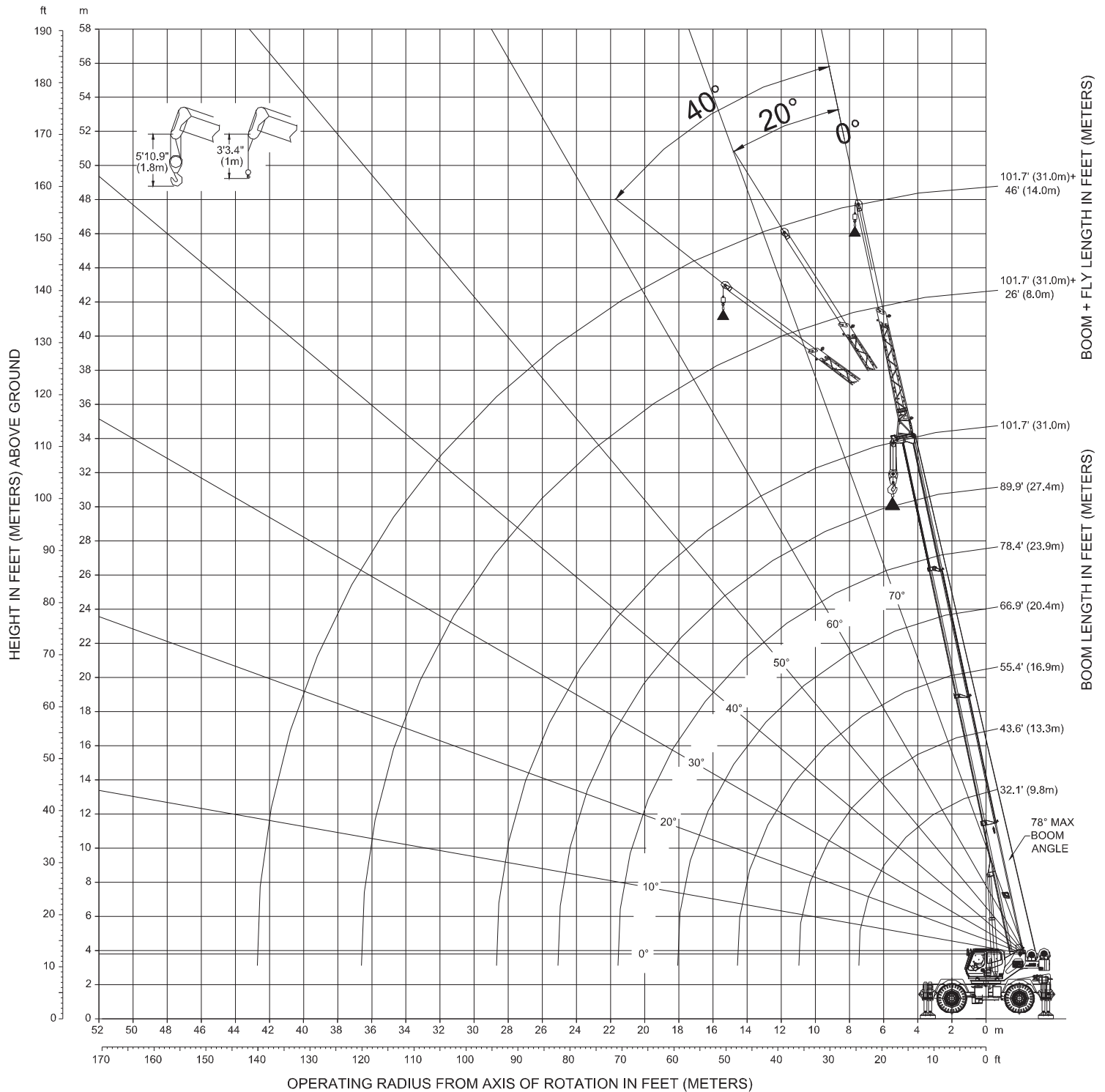


CRANE DIMENSIONS





WORKING RANGE DIAGRAM



**RT35 ROUGH TERRAIN CRANE**

 FULLY EXTENDED OUTRIGGERS - MAIN BOOM CAPACITY 4,500 kg. ctwt. ANSI B30.5 85% 360°								
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS								
RADIUS	9.8	13.3	16.9	20.4	23.9	27.5	31.0	RADIUS
M								M
3.0	35000	20270						3.0
3.5	35000	20270						3.5
4.0	32950	20270	19650					4.0
4.5	29600	20270	19650					4.5
5.0	26800	20270	19650	18650				5.0
6.0	22400	20270	19650	17100	14100			6.0
7.0	19040	19230	19650	15740	13050	11350		7.0
8.0		15480	15680	14650	12200	10650	9450	8.0
9.0		12280	12460	12470	11450	10000	8950	9.0
10.0		10060	10210	10220	10340	9450	8500	10.0
11.0		8460	8570	8580	8680	8650	7740	11.0
12.0			7310	7320	7410	7380	7100	12.0
13.0			6330	6320	6410	6390	6440	13.0
14.0			5540	5520	5600	5580	5630	14.0
15.0			4930	4870	4940	4910	4960	15.0
16.0				4320	4380	4350	4400	16.0
17.0				3870	3900	3880	3920	17.0
18.0				3490	3500	3470	3510	18.0
19.0					3150	3120	3150	19.0
20.0					2850	2810	2840	20.0
21.0					2590	2540	2570	21.0
22.0					2390	2310	2320	22.0
23.0						2100	2100	23.0
24.0						1920	1910	24.0
25.0						1770	1740	25.0
26.0							1580	26.0
27.0							1440	27.0
28.0							1320	28.0
29.0							1230	29.0

LIFTING CAPACITY NOTES:

Rated lifting capacities shown do not exceed 85% of the tipping loads. The weight of the hook block, hook ball and any additional auxiliary lifting devices are not calculated into the rated lifting capacity and must be deducted prior to operation.



 MID POSITION OUTRIGGERS - MAIN BOOM CAPACITY 4,500 kg. ctwt. ANSI B30.5 85% 360°								
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS								
RADIUS	9.8	13.3	16.9	20.4	23.9	27.5	31.0	RADIUS
M								M
3.0	35000	20270						3.0
3.5	33400	20270						3.5
4.0	29600	20270	20000					4.0
4.5	26500	20270	20000					4.5
5.0	21850	20270	20000	18650				5.0
6.0	15020	15350	15560	15560	14100			6.0
7.0	11180	11460	11640	11650	11780	11350		7.0
8.0		8970	9140	9140	9260	9220	9260	8.0
9.0		7240	7390	7400	7510	7470	7510	9.0
10.0		5980	6110	6120	6220	6190	6220	10.0
11.0		5040	5140	5140	5230	5200	5250	11.0
12.0			4370	4370	4460	4430	4480	12.0
13.0			3750	3750	3830	3810	3850	13.0
14.0			3260	3240	3310	3290	3340	14.0
15.0			2880	2820	2880	2860	2900	15.0
16.0				2460	2510	2490	2530	16.0
17.0				2170	2200	2180	2220	17.0
18.0				1930	1930	1910	1940	18.0
19.0					1700	1670	1700	19.0
20.0					1500	1460	1490	20.0
21.0					1330	1280	1300	21.0
22.0					1200	1120	1130	22.0

LIFTING CAPACITY NOTES:

Rated lifting capacities shown do not exceed 85% of the tipping loads. The weight of the hook block, hook ball and any additional auxiliary lifting devices are not calculated into the rated lifting capacity and must be deducted prior to operation.

**RT35 ROUGH TERRAIN CRANE****FULLY RETRACTED OUTRIGGERS - MAIN BOOM CAPACITY**
4,500 kg. cwt. ANSI B30.5 85%**360°****BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS**

RADIUS	9.8	13.3	16.9	20.4	23.9	27.5	31.0	RADIUS
M								M
3.0	25310	20270						3.0
3.5	18610	18970						3.5
4.0	14490	14820	15010					4.0
4.5	11700	12000	12190					4.5
5.0	9690	9970	10150	10140				5.0
6.0	6990	7240	7410	7410	7530			6.0
7.0	5270	5500	5650	5650	5760	5720		7.0
8.0		4290	4430	4430	4540	4500	4540	8.0
9.0		3410	3540	3540	3640	3600	3640	9.0
10.0		2740	2850	2860	2950	2920	2950	10.0
11.0		2230	2320	2320	2400	2380	2420	11.0
12.0			1890	1890	1970	1940	1980	12.0
13.0			1540	1540	1610	1590	1630	13.0
14.0			1260	1240	1310	1290	1330	14.0
15.0			1060	1000	1060	1040	1080	15.0

**RT35 ROUGH TERRAIN CRANE**

	4,500 kg. cwt.	ON TIRES BOOM CENTERED ANSI B30.5 75%			OVER FRONT
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS					
RADIUS	9.8	13.4	16.9	20	RADIUS
M					M
3.0	23400	20270			3.0
3.5	20800	20720			3.5
4.0	18650	18810	18890		4.0
4.5	16820	16990	17100		4.5
5.0	15620	15460	15600	15590	5.0
6.0	11240	11490	11660	11660	6.0
7.0	8550	8770	8920	8930	7.0
8.0		6950	7090	7100	8.0
9.0		5660	5780	5790	9.0
10.0		4690	4800	4810	10.0
11.0		3960	4050	4050	11.0
12.0			3440	3440	12.0
13.0			2950	2950	13.0
14.0			2560	2540	14.0
15.0			2260	2200	15.0
16.0				1920	16.0
17.0				1680	17.0
18.0				1490	18.0

	360° ON TIRES				360°
	4,500 kg. cwt.	ANSI B30.5	75%		
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS					
RADIUS	9.8	13.4	16.9	20	RADIUS
M					M
3.0	14340	14560			3.0
3.5	12200	12430			3.5
4.0	10560	10760	10900		4.0
4.5	9180	9410	9540		4.5
5.0	7660	7920	8090	8080	5.0
6.0	5370	5610	5770	5760	6.0
7.0	3890	4110	4250	4250	7.0
8.0		3050	3190	3190	8.0
9.0		2280	2410	2410	9.0
10.0		1700	1810	1800	10.0
11.0		1250	1330	1330	11.0



	JIB CAPACITY AT RADIUS						
	9m (30ft.)	ANSI B30.5				85%	
	0° OFFSET		20° OFFSET		40° OFFSET		
Boom Angle (°)	Load Radius (m)	Capacity (kg)	Load Radius (m)	Capacity (kg)	Load Radius (m)	Capacity (kg)	Boom Angle (°)
76	8.1	3000	10.9	1800	13.1	1100	76
74	9.5	3000	12.2	1650	14.4	1050	74
72	10.8	3000	13.6	1550	15.6	990	72
70	12.2	3000	14.9	1450	16.8	940	70
68	13.5	2850	16.1	1400	18.0	940	68
66	14.8	2550	17.4	1300	19.2	900	66
64	16.1	2350	18.6	1250	20.4	900	64
62	17.4	2150	19.8	1200	21.5	850	62
60	18.7	1990	21.0	1150	22.6	850	60
58	20.0	1850	22.2	1100	23.7	800	58
56	21.1	1700	23.3	1050	24.8	800	56
54	22.2	1600	24.4	990	25.9	800	54
52	23.4	1500	25.5	940	27.0	750	52
50	24.5	1400	26.5	940	28.0	750	50
48	25.6	1290	27.5	900	29.0	750	48
46	26.6	1160	28.5	850	30.0	750	46
44	27.7	1040	29.4	850	31.0	700	44
42	28.6	940	30.3	800	31.9	700	42
40	29.6	850	31.1	800	32.9	700	40
38	30.6	770	31.9	730	33.8	700	38



	JIB CAPACITY AT RADIUS						85%
	15m (49ft.)		ANSI B30.5				
	0° OFFSET		20° OFFSET		40° OFFSET		
Boom Angle (°)	Load Radius (m)	Capacity (kg)	Load Radius (m)	Capacity (kg)	Load Radius (m)	Capacity (kg)	Boom Angle (°)
76	9.8	2400	14.8	940	18.8	550	76
74	11.4	2050	16.3	900	20.2	550	74
72	13.0	1850	17.9	800	21.6	490	72
70	14.5	1650	19.4	750	22.9	490	70
68	16.1	1450	20.8	700	24.2	450	68
66	17.6	1350	22.2	650	25.5	450	66
64	19.2	1200	23.6	650	26.8	400	64
62	20.7	1100	25.0	600	27.9	400	62
60	22.2	990	26.4	550	29.1	400	60
58	23.6	940	27.7	550	30.2	350	58
56	25.0	850	28.9	490	31.3	350	56
54	26.3	800	30.2	490	32.4	350	54
52	27.8	750	31.4	450	33.4	350	52
50	29.0	700	32.6	450	34.4	350	50
48	30.2	650	33.6	400	35.4	300	48
46	31.5	600	34.7	400	36.2	300	46
44	32.7	600	35.8	400	37.1	300	44
42	33.8	550	36.8	350	37.9	300	42
40	34.9	490	37.7	350	38.6	300	40
38	36.0	490	38.6	350	39.3	300	38



 FULLY EXTENDED OUTRIGGERS - MAIN BOOM CAPACITY 9,900 lbs. cwt. 22.6 ft. x 22.6 ft. ANSI B30.5 85% 360°								
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS								
RADIUS	32	44	55	67	78	90	102	RADIUS
FT.								FT.
10	80000	44688						10
11	77162	44688						11
13	72642	44688	43321					13
15	65257	44688	43321					15
16	59084	44688	43321	41116				16
20	49383	44688	43321	37699	31085			20
23	41976	42395	43321	34701	28770	25022		23
26		34128	24568	32298	26896	23479	20834	26
30		27073	27470	27492	25243	22046	13731	30
33		22178	22509	22531	22796	20834	18739	33
36		18651	18894	18916	19136	19070	17064	36
39			16116	16138	16336	16270	15653	39
43			13955	13933	14132	14088	14198	43
46			12214	12170	12346	12302	12412	46
49			10869	10736	10891	10825	10935	49
52				9524	9656	9590	9700	52
56				8532	8598	8554	8642	56
59				7694	7716	7650	7738	59
62					6945	6878	6945	62
66					6283	6195	6261	66
69					5710	5600	5666	69
72					5269	5093	5115	72
75						4630	4630	75
79						4233	4211	79
82						3902	3836	82
85							3483	85
89							3175	89
92							2910	92
95							2712	95

LIFTING CAPACITY NOTES:

Rated lifting capacities shown do not exceed 85% of the tipping loads. The weight of the hook block, hook ball and any additional auxiliary lifting devices are not calculated into the rated lifting capacity and must be deducted prior to operation.



 MID POSITION OUTRIGGERS - MAIN BOOM CAPACITY 9,900 lbs. cwt. 15.8 ft. x 22.6 ft. ANSI B30.5 85% 360°								
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS								
RADIUS	32	44	55	67	78	90	102	RADIUS
FT.								FT.
10	77162	44688						10
11	73634	44688						11
13	65257	44688	44092					13
15	58422	44688	44092					15
16	48171	44688	44092	41116				16
20	33113	33841	34304	34304	31085			20
23	24648	25265	25662	25684	25970	25022		23
26		19775	20150	20150	20415	20327	20415	26
30		15961	16292	16314	16557	16469	16557	30
33		13184	13470	13492	13713	13647	13713	33
36		11111	11332	11332	11530	11464	11574	36
39			9634	9634	9833	9766	9877	39
43			8267	8267	8444	8400	8488	43
46			7187	7143	7297	7253	7363	46
49			6349	6217	6349	6305	6393	49
52				5423	5534	5490	5578	52
56				4784	4850	4806	4894	56
59				4255	4255	4211	4277	59
62					3748	3682	3748	62
66					3307	3219	3285	66
69					2932	2822	2866	69
72					2646	2469	2491	72

LIFTING CAPACITY NOTES:

Rated lifting capacities shown do not exceed 85% of the tipping loads. The weight of the hook block, hook ball and any additional auxiliary lifting devices are not calculated into the rated lifting capacity and must be deducted prior to operation.

**RT40 ROUGH TERRAIN CRANE****FULLY RETRACTED OUTRIGGERS - MAIN BOOM CAPACITY**

9,900 lbs. cwt.

9 ft. x 22.6 ft.

ANSI B30.5

85%

360°

BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS

RADIUS	32	44	55	67	78	90	102	RADIUS
FT.								FT.
10	55799	44688						10
11	41028	41822						11
13	31945	32672	33091					13
15	25794	26455	26874					15
16	21363	21980	22377	22355				16
20	15410	15961	16336	16336	16601			20
23	11618	12125	12456	12456	12699			23
26		9458	9766	9766	10009	9921	10009	26
30		7518	7804	7804	8025	7937	8025	30
33		6041	6283	6305	6504	6437	6504	33
36		4916	5115	5115	5291	5247	5335	36
39			4167	4167	4343	4277	4365	39
43			3395	3395	3549	3505	3594	43
46			2778	2734	2888	2844	2932	46
49			2337	2205	2337	2293	2381	49


RT40 ROUGH TERRAIN CRANE

	ON TIRES BOOM CENTERED				OVER FRONT
	9,900 lbs. cwt.	ANSI B30.5	75%		
	BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS				
RADIUS	32	44	55	67	RADIUS
FT.					FT.
10	51588	44688			10
11	45856	45680			11
13	41116	41469	41645		13
15	37082	37456	37699		15
16	34436	34083	34392	34370	16
20	24780	25331	25706	25706	20
23	18850	19335	19665	19687	23
26		15322	15631	15653	26
30		12478	12743	12765	30
33		10340	10582	10604	33
36		8730	8929	8929	36
39			7584	7584	39
43			6504	6504	43
46			5644	5600	46
49			4982	4850	49
52				4233	52
56				3704	56
59				3285	59

	360° ON TIRES ANSI B30.5				75%	360°
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS						
RADIUS	32	44	55	67	RADIUS	
FT.						FT.
10	31614	32099				10
11	26896	27403				11
13	23281	23722	24030			13
15	20238	20745	21032			15
16	16887	17461	17835	17813		16
20	11839	12368	12721	12699		20
23	8576	9061	9370	9370		23
26		6724	7033	7033		26
30		5027	5313	5313		30
33		3748	3990	3968		33
36		2756	2932	2932		36

**RT40 ROUGH TERRAIN CRANE**

	JIB CAPACITY AT RADIUS						
	30ft. (9m)	ANSI B30.5				85%	
	0° OFFSET		20° OFFSET		40° OFFSET		
Boom Angle (°)	Load Radius (ft.)	Capacity (lb.)	Load Radius (ft.)	Capacity (lb.)	Load Radius (ft.)	Capacity (lb.)	Boom Angle (°)
76	27	6614	36	3968	43	2425	76
74	31	6614	40	3638	47	2315	74
72	35	6614	45	3417	51	2183	72
70	40	6614	49	3197	55	2072	70
68	44	6283	53	3086	59	2072	68
66	49	5622	57	2866	63	1984	66
64	53	5181	61	2756	67	1984	64
62	57	4740	65	2646	71	1874	62
60	61	4387	69	2535	74	1874	60
58	66	4079	73	2425	78	1764	58
56	69	3748	76	2315	81	1764	56
54	73	3527	80	2183	85	1764	54
52	77	3307	84	2072	88	1653	52
50	80	3086	87	2072	92	1653	50
48	84	2844	90	1984	95	1653	48
46	87	2557	94	1874	98	1653	46
44	91	2293	96	1874	102	1543	44
42	94	2072	99	1764	105	1543	42
40	97	1874	102	1764	108	1543	40
38	100	1698	105	1609	111	1543	38

**RT40 ROUGH TERRAIN CRANE**

	JIB CAPACITY AT RADIUS						
	49ft. (15m)	ANSI B30.5				85%	
	0° OFFSET		20° OFFSET		40° OFFSET		
Boom Angle (°)	Load Radius (ft.)	Capacity (lb.)	Load Radius (ft.)	Capacity (lb.)	Load Radius (ft.)	Capacity (lb.)	Boom Angle (°)
76	32	5291	49	2072	62	1213	76
74	37	4519	53	1984	66	1213	74
72	43	4079	59	1764	71	1080	72
70	48	3638	64	1653	75	1080	70
68	53	3197	68	1543	79	992	68
66	58	2976	73	1433	84	992	66
64	63	2646	77	1433	88	882	64
62	68	2425	82	1323	92	882	62
60	73	2183	87	1213	95	882	60
58	77	2072	91	1213	99	772	58
56	82	1874	95	1080	103	772	56
54	86	1764	99	1080	106	772	54
52	91	1653	103	992	110	772	52
50	95	1543	107	992	113	772	50
48	99	1433	110	882	116	661	48
46	103	1323	114	882	119	661	46
44	107	1323	117	882	122	661	44
42	111	1213	121	772	124	661	42
40	115	1080	124	772	127	661	40
38	118	1080	127	772	129	661	38