



RT75/RT80

RT75/RT80 PRODUCT GUIDE

Complies with ANSI B30.5

Rough Terrain Crane

75 metric ton (82.5 U.S. ton) capacity

38.5 m (126.3') main boom

10 - 17 m (33' - 56') jib



RT75/RT80

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FEATURES



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

AxleTech[®]
International
A GENERAL DYNAMICS COMPANY



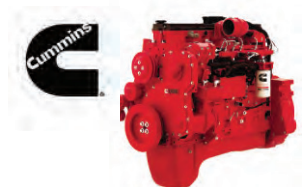
We chose the AxleTech brand axle because AxleTech offers the most reliable product on the market and has years of experience in manufacturing mobile crane axles.



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
- 75 ton (80 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

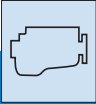
ANSI & CE Standard

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

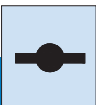
Cummins QSB 6.7 Inline 6 cylinder intercooled turbo diesel.
Kilowatts kW (Hp) 194 (260) @ 2500 rpm.
Peak torque Nm (ft. lb.) 990 (730) @ 1500 rpm.
300 liter (79.3 gal) fuel tank capacity.

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 39.4 km/hr (24.5 mph).



AXLES

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

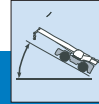
Power steering with four independent modes:

Front-Wheel

Rear-Wheel

All-Wheel

Crab



GRADEABILITY

76% max. gradeability in 1st gear 4x4.
3.40% max. gradeability in 6th gear 4x2.



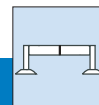
BRAKES

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



TIRES AND WHEELS

29.5 x 25 - 34 ply rating, earthmoving-style tires. Steel disc wheel.



OUTRIGGER SYSTEM

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

100% - Fully extended outriggers

footprint 53.3 sq. m (574 sq. ft.).

50% - Mid position outriggers

footprint 27 sq. m (291 sq. ft.).

0% - Fully retracted outriggers

footprint 9.6 sq. m (103 sq. ft.).

Octagonal, steel fabricated

pontoon 0.25 sq. m (2.74 sq. ft.).

Total floating ground bearing

area 1.02 sq. m (10.9 sq. ft.).

Outrigger span Length 7.4 m (24.2 ft.).

Width 7.3 m (23.9 ft.).

TECHNICAL DESCRIPTION



HYDRAULIC SYSTEM

PERMCO hydraulic pumps:

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

Gear pump for steering.

Gear pump for outriggers and slewing.

1200 liter (317 gal) hydraulic reservoir with external sight and temperature gauge.

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

Max. operating pressure: 29MPa (4206 psi, 290 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 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 8,800 kg (19,400 lbs.) hyd removable counterweight.

Length 3.1 m (10.2 ft.).

Width 1 m (3.4 ft.).

Height 0.8 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 rpm.



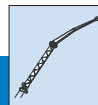
LOAD MOMENT INDICATOR (LMI)

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.



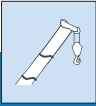
MAX. BOOM LENGTH WITH JIB EXTENSION

10-17 m (33-56 ft.) jib consisting of 10 m (33 ft.) lattice side stow jib and 7 m (23 ft.) manual pull out section. Main jib is offsettable at 0°, 20° and 40°.

Max. tip height with 10 m (33 ft.) jib erected is 48.5 m (159.1 ft.).

Max. tip height with 10 m (33 ft.) jib + 7 m (23 ft.) fixed pullout extension is 55.5 m (182.1 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: 38.5 m (126.3 ft.).
Fully retracted boom length: 12.5 m (41 ft.).
Max. tip height, main boom: 41 m (134.5 ft.).

Boom angle range (min./max.) -3° / $+78^{\circ}$.
Boom raising / lowering time 110 sec. / 55 sec.
Boom extension / retraction time 120 sec. / 77 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: 9,000 kg (19,842 lbs.).

Winch speed: 0 - 125 m/min (0 - 410.1 ft./min).

Power up / power down.

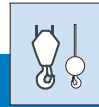
Electronic drum rotation indicators.

Rope construction: 22 mm (0.87 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

75-ton (80 U.S. ton), 5 sheave (steel), standard reeve hook block with odd part pin-off and safety latch.

Hook block weight 780 kg (1,720 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	
 Crane with ctwt.	kg	lb	kg	lb	kg	lb				
	53,100	117,065	27,700	61,068	25,400	55,997				

DEDUCTIONS FOR LOAD HANDLING

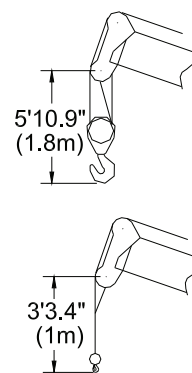
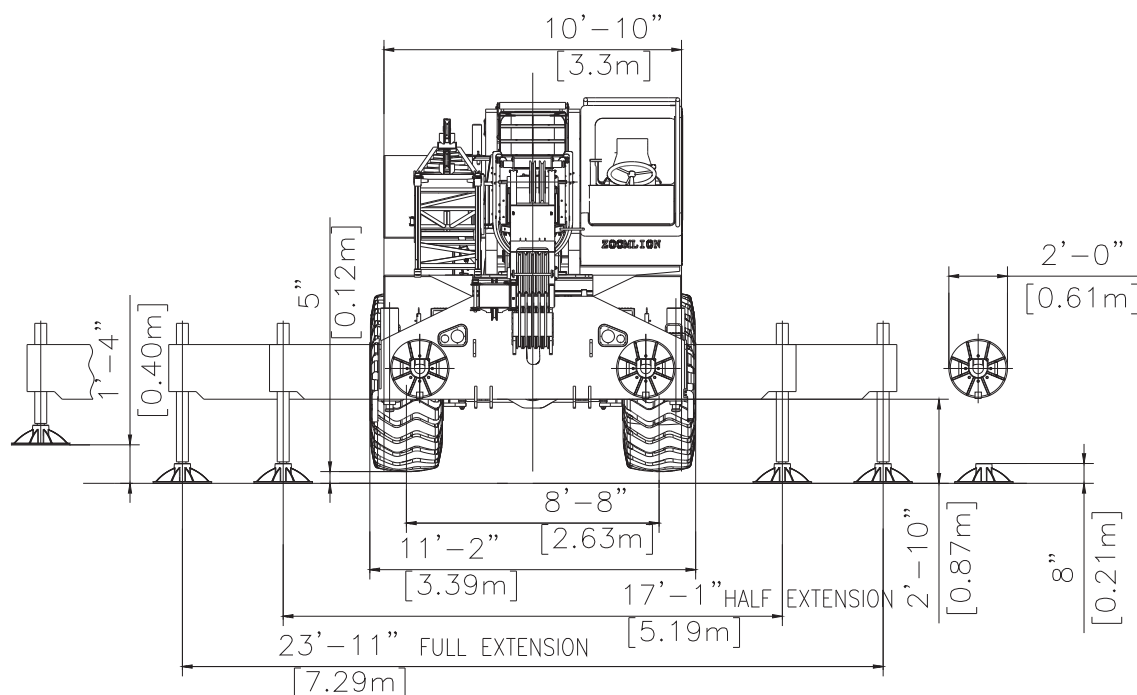
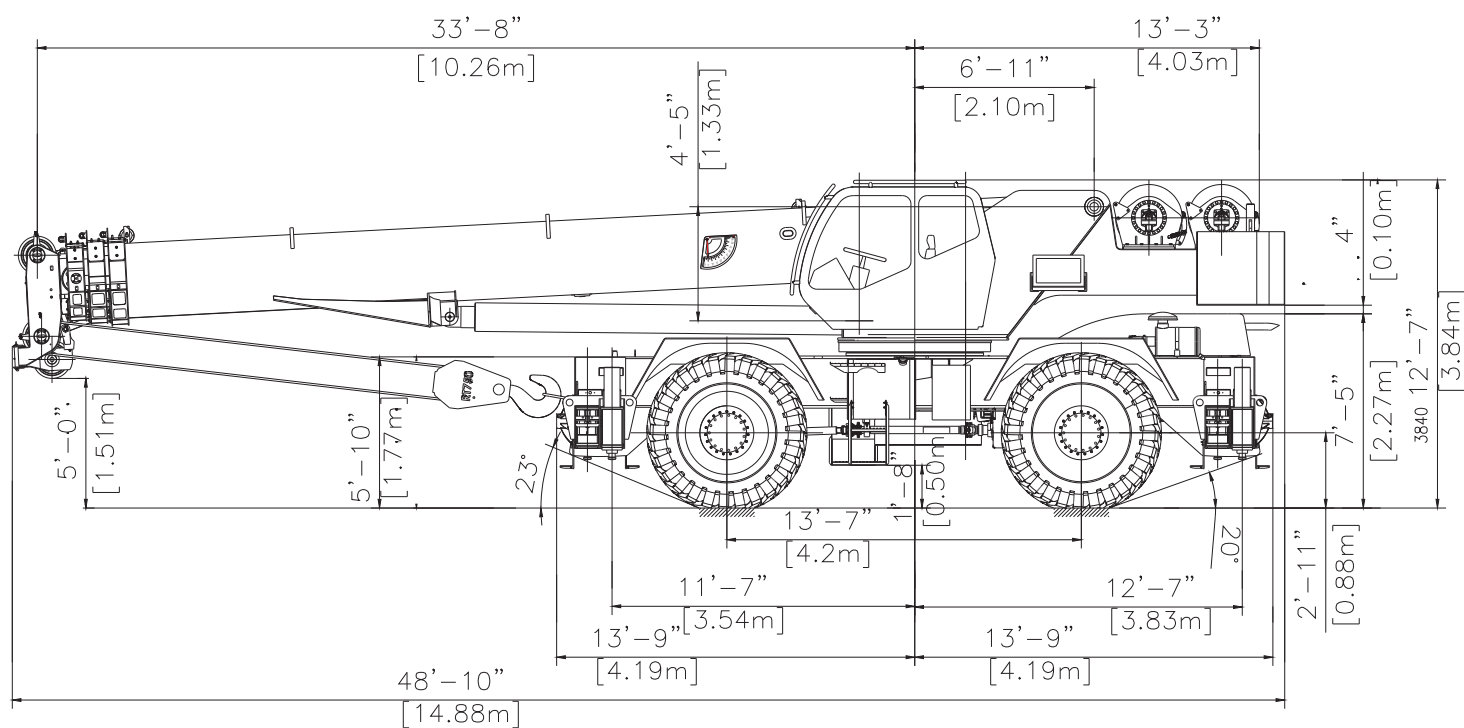
	kg	lb		kg	lb
 Jib stowed aside boom	952	2,099	 5 sheave 80 U.S. ton hook block	780	1,720
 Auxiliary head	76	168	 6.1 U.S. ton hook ball	120	265

TURNING RADIUS

Front Wheel (4x2) Steering	Metric	Imperial
Wall to wall over boom attached	13 m	42 ft. 7 in
All Wheel (4x4) Steering	Metric	Imperial
Curb to curb	7.8 m	25 ft. 9 in
Tail Swing	Metric	Imperial
With counterweight	4.4 m	14 ft. 5 in



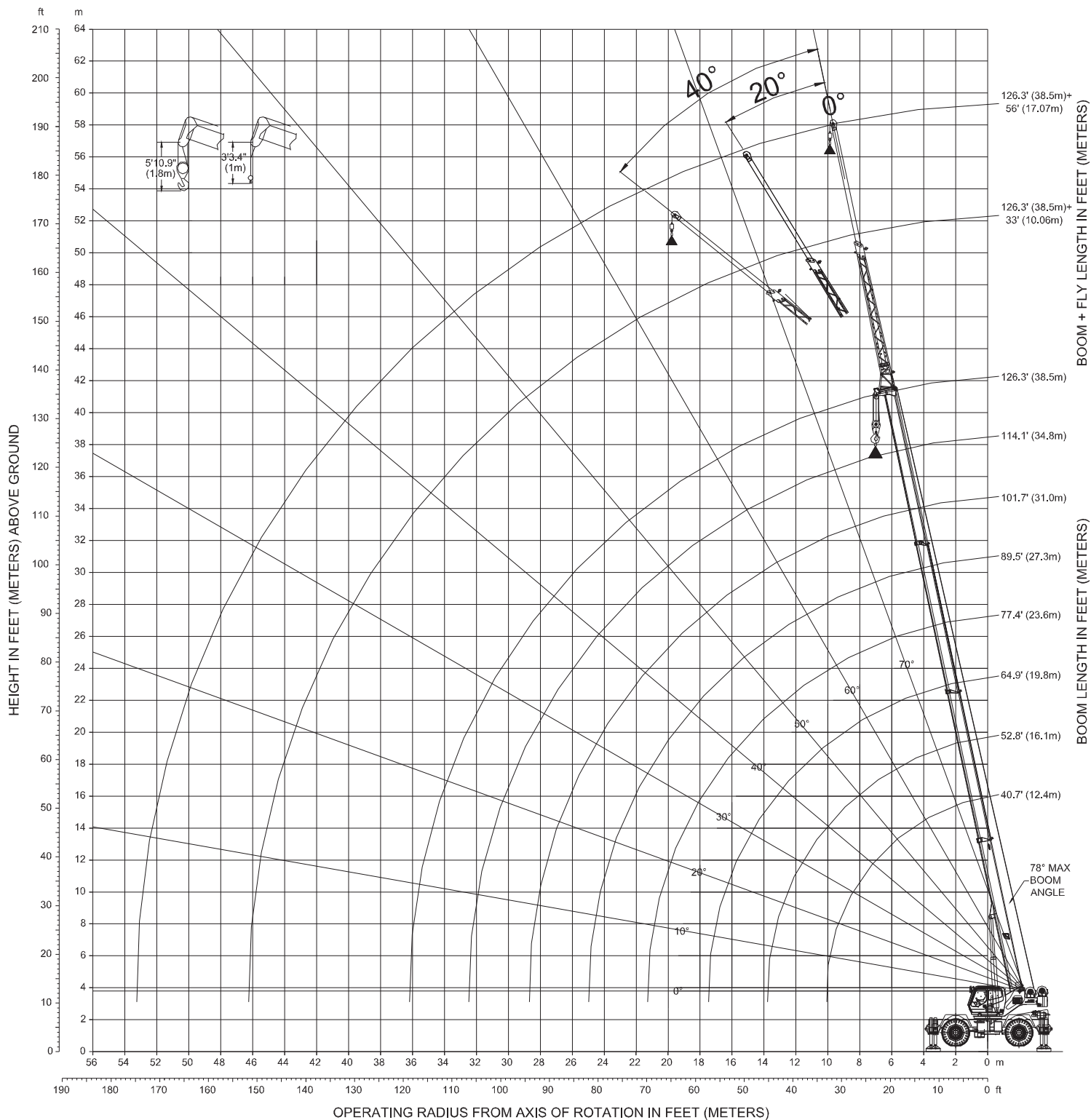
CRANE DIMENSIONS



DIMENSIONS ARE FOR THE
FURNISHED HOOK BLOCK
AND HOOK BALL.



WORKING RANGE DIAGRAM





 FULLY EXTENDED OUTRIGGERS - MAIN BOOM CAPACITY 7,500 kg. ctwt. ANSI B30.5 85% 360°									
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS									
RADIUS	12.5	16.2	19.9	23.6	27.4	31.0	34.8	38.5	RADIUS
M									M
3.0	75000	44860							3.0
3.5	75000	44860							3.5
4.0	68400	44860							4.0
4.5	61650	44860	34450						4.5
5.0	55950	44860	32950						5.0
5.5	51100	43550	31590	24700					5.5
6.0	46900	42050	30340	23750					6.0
6.5	43200	40650	29200	22850	19500				6.5
7.0	39990	39400	28150	22050	18850				7.0
7.5	35420	36350	27200	21300	18200	15740			7.5
8.0	30780	31650	26300	20600	17600	15240			8.0
9.0	24120	24890	24650	19350	16550	14350	12300		9.0
10.0	19590	20260	20550	18250	15590	13600	11700	10600	10.0
11.0		16900	17170	17250	14800	12850	11150	10150	11.0
12.0		14360	14610	14860	14050	12250	10600	9700	12.0
14.0		10800	10990	11210	11270	11150	9750	8450	14.0
16.0			8570	8750	8810	8970	8980	7400	16.0
18.0				7000	7050	7190	7200	6550	18.0
20.0				5700	5730	5850	5860	5850	20.0
22.0					4720	4820	4830	4920	22.0
24.0					3940	4000	4010	4090	24.0
26.0						3340	3330	3410	26.0
28.0						2810	2780	2840	28.0
30.0						2650	2330	2370	30.0
32.0							1970	1970	32.0
34.0								1630	34.0
36.0								1370	36.0

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 7,500 kg. ctwt. ANSI B30.5 85% 360°									
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS									
RADIUS	12.5	16.2	19.9	23.6	27.4	31.0	34.8	38.5	RADIUS
M									M
3.0	75000	44860							3.0
3.5	68800	44860							3.5
4.0	61100	44860							4.0
4.5	54750	44860	34450						4.5
5.0	44400	44860	32950						5.0
5.5	35960	36910	31590	24700					5.5
6.0	29980	30850	30340	23750					6.0
6.5	25530	26340	26640	22850	19500				6.5
7.0	22090	22850	23140	22050	18850				7.0
7.5	19340	20070	20350	20630	18200	15740			7.5
8.0	17110	17800	18070	18350	17600	15420			8.0
9.0	13690	14330	14590	14840	14890	14350	12300		9.0
10.0	11220	11800	12040	12290	12340	12530	11700	10600	10.0
11.0		9870	10110	10340	10390	10570	10580	10150	11.0
12.0		8360	8590	8810	8860	9040	9040	9120	12.0
14.0		6190	6360	6560	6620	6770	6780	6870	14.0
16.0			4830	4990	5050	5190	5200	5300	16.0
18.0				3850	3890	4030	4040	4130	18.0
20.0				3000	3020	3140	3150	3240	20.0
22.0					2340	2440	2450	2540	22.0
24.0					1820	1880	1890	1970	24.0
26.0						1430	1430	1500	26.0
28.0						1080	1050	1110	28.0

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.

**RT75 ROUGH TERRAIN CRANE**

 FULLY RETRACTED OUTRIGGERS - MAIN BOOM CAPACITY									
7,500 kg. ctwt.			ANSI B30.5			85%		360°	
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS									
RADIUS	12.5	16.2	19.9	23.6	27.4	31.0	34.8	38.5	RADIUS
M									M
3.0	51050	44860							3.0
3.5	37080	38020							3.5
4.0	28670	29510							4.0
4.5	23060	23840	24080						4.5
5.0	19060	19780	20020						5.0
5.5	16050	16740	16970	17240					5.5
6.0	13710	14370	14600	14860					6.0
6.5	11840	12480	12710	12950	12980				6.5
7.0	10310	10930	11150	11390	11430				7.0
7.5	9040	9640	9860	10100	10130	10310			7.5
8.0	7970	8550	8770	9000	9040	9210			8.0
9.0	6260	6810	7020	7250	7290	7460	7460		9.0
10.0	4980	5480	5690	5910	5950	6110	6120	6190	10.0
11.0		4440	4650	4850	4900	5060	5060	5130	11.0
12.0		3600	3800	4000	4050	4200	4210	4280	12.0
14.0		2380	2540	2710	2760	2910	2920	3000	14.0
16.0			1640	1800	1840	1980	1990	2070	16.0
18.0				1110	1150	1280	1290	1380	18.0

**RT75 ROUGH TERRAIN CRANE**

	ON TIRES BOOM CENTERED					
7,500 kg. cwt.	ANSI B30.5			75%	OVER FRONT	
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS						
RADIUS	12.5	16.2	19.9	23.6	27.4	RADIUS
M						M
3.0	35450	35850				3.0
3.5	31600	32050				3.5
4.0	28440	28850				4.0
4.5	25720	26180	26310			4.5
5.0	23430	23890	24010			5.0
5.5	21450	21900	22050	22200		5.5
6.0	19730	20180	20320	20490		6.0
6.5	18170	18630	18820	18980	19010	6.5
7.0	16840	17270	17450	17650	17630	7.0
7.5	15280	15890	16110	16350	16380	7.5
8.0	13590	14170	14390	14620	14650	8.0
9.0	10950	11490	11700	11920	11960	9.0
10.0	9010	9500	9710	9920	9960	10.0
11.0		7970	8170	8370	8410	11.0
12.0		6760	6950	7140	7190	12.0
14.0		5000	5150	5320	5360	14.0
16.0			3890	4030	4080	16.0
18.0				3090	3130	18.0
20.0				2380	2400	20.0
22.0					1840	22.0
24.0					1400	24.0

**RT75 ROUGH TERRAIN CRANE**

	7,500 kg. cwt.	360° ON TIRES ANSI B30.5			75%	360°
BOOM LENGTH IN METERS - CAPACITY LISTED IN KILOGRAMS						
RADIUS	12.5	16.2	19.9	23.6	27.4	RADIUS
M						M
3.0	22070	22540				3.0
3.5	18800	19350				3.5
4.0	16270	16790				4.0
4.5	14120	14640	14810			4.5
5.0	12410	12940	13110			5.0
5.5	10890	11440	11610	11810		5.5
6.0	9670	10190	10350	10550		6.0
6.5	8570	9070	9290	9470	9490	6.5
7.0	7610	8140	8350	8540	8560	7.0
7.5	6660	7230	7440	7670	7690	7.5
8.0	5730	6280	6490	6710	6740	8.0
9.0	4250	4760	4970	5180	5220	9.0
10.0	3130	3600	3800	4010	4050	10.0
11.0		2680	2880	3080	3120	11.0
12.0		1950	2130	2330	2370	12.0
14.0			1010	1190	1230	14.0



	JIB CAPACITY AT RADIUS						85%
	10m (33ft.)		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	9.6	6000	12.5	3050	14.7	1990	76
74	11.3	5800	12.0	2850	16.2	1890	74
72	12.9	5600	15.6	2700	17.7	1850	72
70	14.5	5050	17.2	2550	19.2	1800	70
68	16.1	4500	18.7	2450	20.6	1750	68
66	17.6	3990	20.2	2350	22.0	1700	66
64	19.2	3600	21.7	2250	23.4	1650	64
62	20.7	3250	23.1	2150	24.7	1650	62
60	22.2	2950	24.5	2050	26.1	1600	60
58	23.6	2700	25.9	1990	27.4	1600	58
56	25.0	2450	27.2	1940	28.6	1550	56
54	26.4	2250	28.6	1850	29.8	1550	54
52	27.8	2100	29.9	1800	31.0	1500	52
50	29.1	1890	31.1	1650	32.1	1500	50
48	30.4	1750	32.3	1550	33.2	1450	48
46	31.6	1630	33.4	1450	34.3	1350	46
44	32.8	1440	34.5	1350	35.3	1300	44
42	33.9	1270	35.6	1210	36.2	1180	42
40	35.1	1120	36.6	1070	37.1	1040	40
38	36.1	990	37.6	940	38.0	920	38



	JIB CAPACITY AT RADIUS						85%
	17m (56ft.)		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	11.3	3500	16.4	1650	20.3	1050	76
74	13.2	3350	18.2	1550	22.0	990	74
72	15.1	3000	19.9	1450	23.6	990	72
70	16.9	2700	21.7	1400	25.2	940	70
68	18.7	2450	23.3	1300	26.8	900	68
66	20.5	2250	25.1	1250	28.3	900	66
64	22.2	2100	26.7	1200	29.8	850	64
62	24.0	1940	28.3	1150	31.2	850	62
60	25.7	1800	30.0	1100	32.6	800	60
58	27.3	1700	31.4	1050	34.0	800	58
56	28.9	1550	32.9	990	35.3	800	56
54	30.5	1500	34.4	940	36.6	750	54
52	32.1	1400	35.8	940	37.8	750	52
50	33.6	1250	37.1	900	39.0	750	50
48	35.0	1150	38.4	850	40.1	750	48
46	36.5	1050	39.7	850	41.2	700	46
44	37.8	940	40.9	800	42.2	700	44
42	39.1	900	42.1	750	43.2	650	42
40	40.4	800	43.2	650	44.1	650	40
38	41.6	750	44.2	600	45.0	600	38



 FULLY EXTENDED OUTRIGGERS - MAIN BOOM CAPACITY 16,500 lbs. cwt. 22.6 ft. x 22.6 ft. ANSI B30.5 85%									
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS									
RADIUS	41	53	65	77	90	102	114	126	RADIUS
FT.									FT.
10	165347	98899							10
11	165347	98899							11
13	150796	98899							13
15	135915	98899	75949						15
16	123348	98899	72642						16
18	112656	96011	69644	54454					18
20	103397	92704	66888	52360					20
21	95240	89618	64375	50376	42990				21
23	88163	86862	62060	48612	41557				23
25	78088	80138	59966	46958	40124	34701			25
26	67858	69776	57982	45415	38801	33598			26
30	53175	54873	54344	42659	36486	31636	27117		30
33	43189	44666	45305	40234	34370	29983	25794	23369	33
36		37258	37853	38030	32628	28329	24582	22377	36
39		31658	32209	32761	30975	27007	23369	21385	39
46		23810	24229	24714	24846	24582	21495	18629	46
52			18894	19290	19423	19775	19797	16314	52
59				15432	15543	15851	15873	14440	59
66				12566	12632	12897	12919	12897	66
72					10406	10626	10648	10847	72
79					8686	8818	8841	9017	79
85						7363	7341	7518	85
92						6195	6129	6261	92
98						5842	5137	5225	98
105							4343	4343	105
112								3594	112
118.1								3020	118.1

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 16,500 lbs. cwt. 15.8 ft. x 22.6 ft. ANSI B30.5 85%									
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS									
RADIUS	41	53	65	77	90	102	114	126	RADIUS
FT.									FT.
10	165347	98899							10
11	151678	98899							11
13	134702	98899							13
15	120703	98899	75949						15
16	97885	98899	72642						16
18	79278	81373	69644	54454					18
20	66095	68013	66888	52360					20
21	56284	58070	58731	50376	42990				21
23	48700	50376	51015	48612	41557				23
25	42637	44247	44864	45481	40124	34701			25
26	37721	39242	39837	40455	38801	33995			26
30	30181	31592	32165	32717	32827	31636	27117		30
33	24736	26015	26544	27095	27205	27624	25794	23369	33
36		21760	22289	22796	22906	23303	23325	22377	36
39		18431	18938	19423	19533	19930	19930	20106	39
46		13647	14021	14462	14595	14925	14947	15146	46
52			10648	11001	11133	11442	11464	11684	52
59				8488	8576	8885	8907	9105	59
66				6614	6658	6923	6945	7143	66
72					5159	5379	5401	5600	72
79					4012	4145	4167	4343	79
85						3153	3153	3307	85
92						2381	2315	2447	92

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.



 FULLY RETRACTED OUTRIGGERS - MAIN BOOM CAPACITY 16,500 lbs. cwt.9 ft. x 22.6 ft.ANSI B30.585%									
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS									
RADIUS	41	53	65	77	90	102	114	126	RADIUS
FT.									FT.
10	112546	98899							10
11	81747	83820							11
13	63206	65058							13
15	50839	52558	53087						15
16	42020	43607	44136						16
18	35384	36905	37412	38008					18
20	30225	31680	32187	32761					20
21	26103	27514	28021	28550	28616				21
23	22730	24096	24582	25111	25199				23
25	19930	21253	21738	22267	22333	22730			25
26	17571	18850	19335	19842	19930	20305			26
30	13801	15013	15476	15983	16072	16446	16446		30
33	10979	12081	12544	13029	13117	13470	13492	13647	33
36		9789	10251	10692	10803	11155	11155	11310	36
39		7937	8378	8818	8929	9259	9281	9436	39
46		5247	5600	5975	6085	6415	6437	6614	46
52			3616	3968	4057	4365	4387	4564	52
59				2447	2535	2822	2844	3042	59

**RT80 ROUGH TERRAIN CRANE**

	ON TIRES BOOM CENTERED ANSI B30.5 75%					OVER FRONT
16,500 lbs. cwt.						
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS						
RADIUS	41	53	65	77	90	RADIUS
FT.						FT.
10	78154	79036				10
11	69666	70658				11
13	62699	63603				13
15	56703	57717	58004			15
16	51654	52668	52933			16
18	47289	48281	48612	48943		18
20	43497	44489	44798	45173		20
21	40058	41072	41491	41844	41910	21
23	37126	38074	38471	38912	38867	23
25	33687	35031	35516	36046	36112	25
26	29961	31239	31724	32232	32298	26
30	24141	25331	25794	26279	26367	30
33	19864	20944	21407	21870	21958	33
36		17571	18012	18453	18541	36
39		14903	15322	15741	15851	39
46		11023	11354	11729	11817	46
52			8576	8885	8995	52
59				6812	6900	59
66				5247	5291	66
72					4057	72
79					3086	79

**RT80 ROUGH TERRAIN CRANE**

	16,500 lbs. cwt.		360° ON TIRES ANSI B30.5		75%	360°
BOOM LENGTH IN FEET - CAPACITY LISTED IN POUNDS						
RADIUS	41	53	65	77	90	RADIUS
FT.						FT.
10	48656	49692				10
11	41447	42659				11
13	35869	37016				13
15	31129	32276	32650			15
16	27359	28528	28903			16
18	24008	25221	25596	26037		18
20	21319	22465	22818	23259		20
21	18894	19996	20481	20878	20922	21
23	16777	17946	18409	18827	18872	23
25	14683	15939	16402	16909	16954	25
26	12632	13845	14308	14793	14859	26
30	9370	10494	10957	11420	11508	30
33	6900	7937	8378	8841	8929	33
36		5908	6349	6790	6878	36
39		4299	4696	5137	5225	39
46			2227	2623	2712	46



	JIB CAPACITY AT RADIUS						85%
	33ft. (10m)		ANSI B30.5				
	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	31	13228	41	6724	48	4387	76
74	37	12787	39	6283	53	4167	74
72	42	12346	51	5952	58	4079	72
70	48	11133	56	5622	63	3968	70
68	53	9921	61	5401	68	3858	68
66	58	8796	66	5181	72	3748	66
64	63	7937	71	4960	77	3638	64
62	68	7165	76	4740	81	3638	62
60	73	6504	80	4519	86	3527	60
58	77	5952	85	4387	90	3527	58
56	82	5401	89	4277	94	3417	56
54	87	4960	94	4079	98	3417	54
52	91	4630	98	3968	102	3307	52
50	95	4167	102	3638	105	3307	50
48	100	3858	106	3417	109	3197	48
46	104	3594	110	3197	113	2976	46
44	108	3175	113	2976	116	2866	44
42	111	2800	117	2668	119	2601	42
40	115	2469	120	2359	122	2293	40
38	118	2183	123	2072	125	2028	38



	JIB CAPACITY AT RADIUS						
	56ft. (17m)	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	37	7716	54	3638	67	2315	76
74	43	7385	60	3417	72	2183	74
72	50	6614	65	3197	77	2183	72
70	55	5952	71	3086	83	2072	70
68	61	5401	76	2866	88	1984	68
66	67	4960	82	2756	93	1984	66
64	73	4630	88	2646	98	1874	64
62	79	4277	93	2535	102	1874	62
60	84	3968	98	2425	107	1764	60
58	90	3748	103	2315	112	1764	58
56	95	3417	108	2183	116	1764	56
54	100	3307	113	2072	120	1653	54
52	105	3086	117	2072	124	1653	52
50	110	2756	122	1984	128	1653	50
48	115	2535	126	1874	132	1653	48
46	120	2315	130	1874	135	1543	46
44	124	2072	134	1764	138	1543	44
42	128	1984	138	1653	142	1433	42
40	133	1764	142	1433	145	1433	40
38	136	1653	145	1323	148	1323	38