

315 Flaxton Road, Rangiora, 7400 Canterbury, New Zealand.

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GROVE RT880E

80 Ton / 2 axle / 4 x 4 Rough Terrain Crane

(2009) Serial No. #230161 and #229118

TO SHARE WE

Unit: metric ton

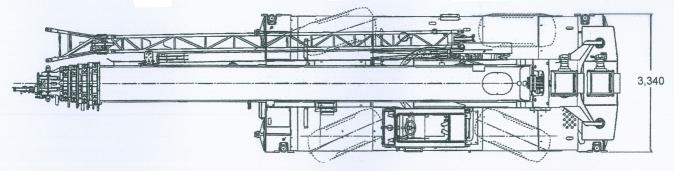
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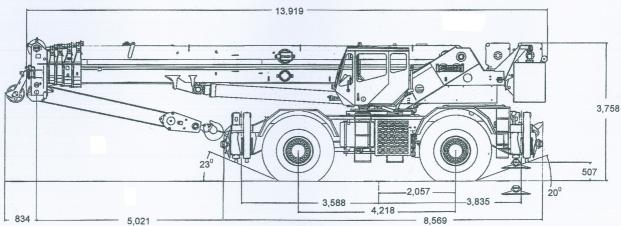
SPECIFICATIONS AND LIFT CHARTS

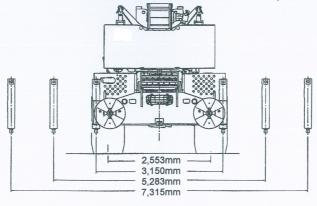
39 metre main boom + Fly Jib 10, 17, 23, 29 metre options Main + Auxiliary Winch

Crane Weight: (with 8,156kg counterweight) = 49 ton

Dimensions









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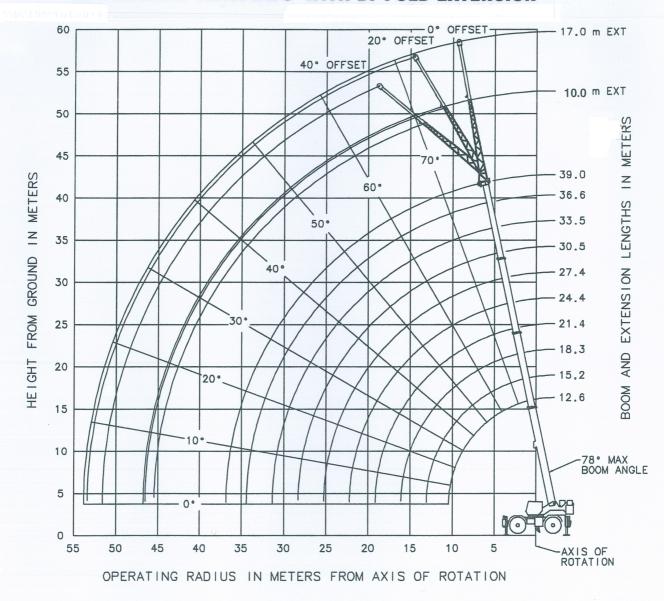
GROVE RT880E

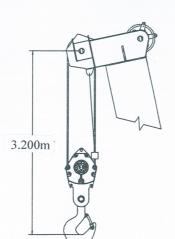
80 Ton / 2 axle / 4 x 4 Rough Terrain Crane (2009) Serial No. #230161 and #229118

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WORKING RANGES WITH BI-FOLD EXTENSION





DIMENSIONS ARE FOR LARCEST GROVE FURNISHED HOOKBLOCK AND OVERHAUL BALL, WITH ANTI-TWO BLOCK ACTIVATED.



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Unit: metric ton

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WORKING RANGES WITH 6.1M AND 12.2M FLY INSERTS

Range Diagram

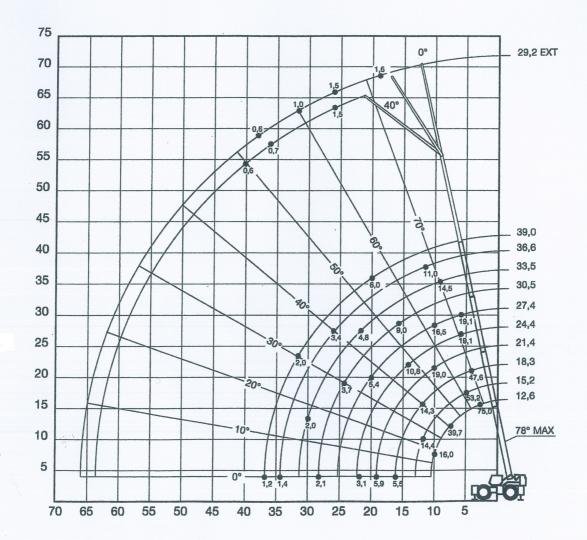
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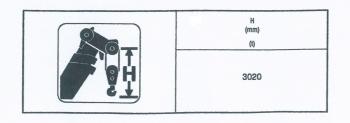














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(2009) Serial No. #230161 and #229118

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Unit: metric ton

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RATED LIFTING CAPACITIES IN KILOGRAMS WITH 8,165 kg CWT 12.6 m - 39.0 m BOOM

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius					#00					
in Meters					in Boom Le				200	00.0
Meters	12.6	15.2	18.3	**21.4	24.4	27.4	30.5	33.5	36.6	39.0
3	++75,000 (71)	56,225 (75)	47,850 (78)						-	
3.5	+68,025 (68.5)	56,225 (73)	47,850 (76)							
4	64,625 (66)	56,225 (71)	47,575 (74.5)	26,975 (77)						
4.5	59,675 (63.5)	56,225 (69)	47,225 (73)	26,975 (76)	19,075 (78)					
5	55,125 (60.5)	53,150 (66.5)	44,850 (71)	26,975 (74.5)	19,075 (76.5)	*19,050 (78)				
6	46,075 (55)	45,975 (62.5)	39,475 (67.5)	26,975 (71.5)	19,075 (74.5)	19,050 (76.5)	*17,975 (78)			
7	39,750 (48.5)	38,600 (58)	35,350 (64)	26,325 (68.5)	19,075 (72)	19,050 (74)	17,975 (76)	*14,475 (78)		
8	32,775 (41.5)	30,925 (53)	28,800 (60.5)	25,000 (65.5)	19,075 (69)	18,700 (72)	17,575 (74)	14,475 (76)	11,675 (78)	*9,97 (78)
9	25,650 (33)	25,200 (47.5)	23,850 (56.5)	22,450 (62.5)	19,075 (66.5)	17,825 (69.5)	16,525 (72)	14,475 (74.5)	11,675 (76)	9,975 (77.5
10	15,975 (20.5)	20,475 (42)	20,200 (52.5)	19,000 (59.5)	18,075 (64)	16,450 (67.5)	15,150 (70)	13,800 (72.5)	11,675 (74.5)	9,97 (76)
12	(===)	14,375 (26.5)	14,275 (43.5)	14,050 (52.5)	14,225 (58.5)	13,825 (62.5)	12,650 (66)	11,800 (69)	10,925 (71)	9,97 (72.5
14		(_0,0)	10,500 (32)	10,300 (45)	10,825 (52.5)	11,150 (57.5)	10,825 (61.5)	10,075 (65)	9,530 (67.5)	9,17 (69.5
16			5,500 (10.5)	7,725 (36)	8,335 (45.5)	8,675 (52)	9,020 (57)	8,720 (61)	8,210 (64)	7,88 (66)
18	See Note 16			5,855 (23.5)	6,480 (38)	6,835 (46.5)	7,145 (52)	7,340 (57)	7,145 (60.5)	6,83 (63)
20	110.0 10				5,080 (28.5)	5,415 (40)	5,730 (47)	5,930 (52.5)	6,125 (56.5)	5,98 (59.5
22					3,125 (11.5)	4,300 (32)	4,610 (41)	4,825 (47.5)	5,020 (52.5)	5,16 (55.5
24						3,405 (21)	3,695 (34.5)	3,925 (42.5)	4,135 (48.5)	4,27 (52)
26							2,950 (26)	3,180 (36.5)	3,400 (43.5)	3,55 (47.5
28							2,120 (11.5)	2,555 (29.5)	2,775 (38.5)	2,93 (43.5
30							,,	2,025 (20)	2,245 (32.5)	2,40
32									1,790 (25)	1,95
34									1,395 (12.5)	1,55
36									,,	1,21
linimum h	oom angle (dea.) for inc	dicated leng	th (no load)		1		-		9
				gle (no load						36.

#LMI operating code. Refer to LMI manual for instructions.

*This capacity is based upon maximum obtainable boom angle. Note: () Boom angles are in degrees.

+9 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's & Safety Handbook for reeving diagram.

++10 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's & Safety Handbook for reeving diagram.

Lifting Capacities at Zero Degree Boom Angle										
Boom				Ma	ain Boom Le	ength in Met	ers			
Angle	12.6	15.2	18.3	**21.4	24.4	27.4	30.5	33.5	36.6	
0°	9,410	6,870	4,760 (16.1)	3,035 (19.2)	2,310 (22,2)	1,765 (25.2)	1,315 (28.3)	905 (31.3)	590 (34.4)	

Note: () Reference radii in meters

**This boom length is with inner-mid fully extended and outer-mid & fly fully retracted





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(2009) Serial No. #230161 and #229118

Unit: metric ton

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10.0 - 17.0 m FOLDING BOOM EXTENSION WITH 8,165 kg COUNTERWEIGHT

ON OUTRIGGERS FULLY EXTENDED - 360°

		10.0 m LENG	ГН		17.0 m LENG1	ГН
Radius in Meters	0° OFFSET	20° OFFSET	40° OFFSET	0° OFFSET	20° OFFSET	40° OFFSET
	#0021	#0022	#0023	#0041	#0042	#0043
10	*5,395 (78)					
12	5,395 (77.5)			*2,745 (78)		
14	5,395 (75)	5,285 (78)		2,745 (77.5)		
16	5,395 (72.5)	4,620 (75.5)	*4,080 (78)	2,745 (75)		
18	5,065 (70)	4,155 (73)	3,640 (75.5)	2,745 (73)	*2,450 (78)	
20	4,490 (67.5)	3,760 (70.5)	3,345 (73)	2,745 (71)	2,400 (76.5)	
22	4,020 (64.5)	3,420 (67.5)	3,085 (70)	2,710 (68.5)	2,340 (74)	*2,070 (78)
24	3,620 (62)	3,130 (65)	2,855 (67.5)	2,650 (66.5)	2,280 (72)	2,010 (76)
26	3,275 (59)	2,875 (62)	2,650 (64.5)	2,515 (64)	2,100 (69.5)	1,860 (73.5)
28	2,980 (56.5)	2,655 (59)	2,475 (61.5)	2,270 (61.5)	1,930 (67)	1,725 (71)
30	2,725 (53)	2,455 (56)	2,310 (58)	2,060 (59)	1,775 (64.5)	1,605 (68)
32	2,290 (50)	2,280 (53)	2,160 (55)	1,870 (56.5)	1,635 (62)	1,495 (65.5)
34	1,900 (46.5)	2,095 (49.5)	2,030 (51.5)	1,710 (54)	1,510 (59.5)	1,395 (62.5)
36	1,555 (43)	1,720 (46)	1,810 (47.5)	1,560 (51)	1,400 (56.5)	1,305 (60)
38	1,250 (39)	1,385 (42)		1,430 (48.5)	1,290 (53.5)	1,220 (56.5)
40	975 (35)	1,085 (37.5)		1,185 (45.5)	1,200 (50.5)	1,135 (53.5)
42	725 (30)	820 (32.5)		945 (42)	1,115 (47.5)	1,065 (50)
44	505 (24)			725 (38.5)	920 (44)	
46				525 (35)	695 (40)	
Minimum boom angle (°) for indicated length (no load)	15	28	44	23	31	46
Maximum boom length (m) at 0° boom angle (no load)	33.5 33.5					, or



NOTE: () Boom angles are in degrees. #LMI operating code. Refer to LMI manual for operating instructions.

*This capacity is based upon maximum boom angle.

- 1. All capacities above the bold line are based on structural strength of boom extension
- 2. The 10.0 m and 17.0 m extension lengths may be used for single line lifting service only.
- 3. For main boom lengths less than 39.0 m with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
- 4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- 5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated
- 6. Capacities listed are with outriggers properly extended and vertical jacks set only.
- 7. When lifting over the main boom nose with 10.0 m or 17.0 m extension erected, the outriggers must be fully extended or 50% extended (5.3 m spread).



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Unit: metric ton

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10.0 m - 17.0 m FOLDING BOOM EXTENSION WITH INSERTS WITH 8,165 kg COUNTERWEIGHT

ON OUTRIGGERS FULLY EXTENDED - 360°

Dedica	23.1 m (17.	0 m LENGTH	+ 1 INSERT)	29.2 m (17.0	m LENGTH +	2 INSERTS)
Radius	· 0°	20°	40°	0°	20°	40°
in Meters	OFFSET	OFFSET	OFFSET	OFFSET	OFFSET	OFFSET
Ivieters	#0084	#0085	#0086	#0084	#0085	#0086
40	2.200					
16	(78)					
18	2,200			1,595		
10	(76.5)			(78)		
20	2,200	*2,220		1,595		
20	(74.5)	(78)		(76)		
22	2,200	2,125		1,595	*1,695	
22	(72.5)	(77)		(74.5)	(78)	
24	2,155	1,905	*1,835	1,595	1,585	
27	(70.5)	(74.5)	(78)	(72.5)	(77)	
26	1,945	1,710	1,580	1,485	1,395	*1,460
20	(68.5)	(72.5)	(76.5)	(71)	(75)	(78)
28	1,730	1,540	1,440	1,295	1,235	1,195
20	(66.5)	(70.5)	(74)	(69)	(73)	(76)
30	1,540	1,395	1,310	1,120	1,085	1,060
	(64.5)	(68.5)	(72)	(67)	(71)	(74.5)
32	1,375	1,255	1,190	970	950	935
	(62)	(66)	(69.5)	(65)	(69.5)	(72.5)
34	1,230	1,135	1,085	840	835	830
	(60)	(64)	(67)	(63)	(67.5)	(70)
36	1,100	1,025	985	720	725	730
	(57.5)	(61.5)	(65)	(61)	(65.5)	(68)
38	985	925	895	615	630	635
	(55)	(59)	(62.5)	(59)	(63)	(66)
40	880	835	815	520	540	550
	(52.5)	(56.5)	(59.5)	(57)	(61)	(63.5)
42	785	745	735			
	(50)	(54)	(57)			
44	700	670	665			
	(47.5)	(51.5)	(54)			
46	545	595	595			
	(44.5)	(48.5)	(51)			
48		530 (45.5)	535 (47.5)			
Min hoom and (9)		(40.0)	(47.0)			
Min. boom angle (°) for indicated length	36	40	44	54	58	60
(no load)	00	70	7*	54	50	00
Max. boom length						
(m) at 0° boom angle	21.4 18.3					
(no load)					1-1-	
NOTE: () Boom angle	a ara in dage	000			AC 00	0_1036000

NOTE: () Boom angles are in degrees.

A6-829-103699C

#LMI operating code. Refer to LMI manual for operating instructions.

*This capacity is based upon maximum boom angle.

- 1. All capacities above the bold line are based on structural strength of boom extension
- 2. The 17.0 m extension length may be used for single line lifting service only.
- 3. For main boom lengths less than 39.0 m with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
- 4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- 5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- 6. When lifting over the main boom nose with 17.0 m extension erected and inserts, the outriggers must be fully extended and vertical jacks set.





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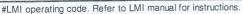
Unit: metric ton

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RATED LIFTING CAPACITIES IN KILOGRAMS WITH 8,165 kg CWT 12.6 m - 39.0 m BOOM

ON OUTRIGGERS 50% EXTENDED (5.3 m spread) - 360°

Radius					#4	001				
in				Ma	ain Boom Le	ngth in Met	ers			
Meters	12.6	15.2	18.3	**21.4	24.4	27.4	30.5	33.5	36.6	39.0
3	+67,350 (71)	56,225 (75)	47,850 (78)							
3.5	59,950 (68.5)	56,225 (73)	47,850 (76)							
4	53,375 (66)	52,675 (71)	47,325 (74.5)	26,975 (77)						
4.5	47,450 (63.5)	44,850 (69)	40,850 (73)	26,975 (76)	19,075 (78)					
5	41,425 (60.5)	38,075 (66.5)	34,925 (71)	26,975 (74.5)	19,075 (76.5)	*19,050 (78)				
6	31,000 (55)	28,850 (62.5)	26,700 (67.5)	24,850 (71.5)	19,075 (74.5)	19,050 (76.5)	*17,975 (78)			
7	24,400 (48.5)	22,825 (58)	21,275 (64)	19,900 (68.5)	19,075 (72)	19,050 (74)	17,975 (76)	*14,475 (78)		
8	19,475 (41.5)	18,600 (53)	17,425 (60.5)	16,325 (65.5)	16,175 (69)	15,950 (72)	15,675 (74)	14,475 (76)	11,675 (78)	*9,975 (78)
9	15,525 (33)	15,225 (47.5)	14,500 (56.5)	13,650 (62.5)	13,625 (66.5)	13,525 (69.5)	13,375 (72)	13,175 (74.5)	11,675 (76)	9,975 (77.5)
10	12,625 (20.5)	12,475 (42)	12,225 (52.5)	11,525 (59.5)	11,625 (64)	11,600 (67.5)	11,525 (70)	11,400 (72.5)	11,250 (74.5)	9,975 (76)
12		8,710 (26.5)	8,625 (43.5)	8,410 (52.5)	8,645 (58.5)	8,760 (62.5)	8,785 (66)	8,770 (69)	8,715 (71)	8,665 (72.5)
14			6,155 (32)	6,005 (45)	6,530 (52.5)	6,720 (57.5)	6,840 (61.5)	6,880 (65)	6,880 (67.5)	6,875 (69.5)
16			4,420 (10.5)	4,250 (36)	4,820 (45.5)	5,190 (52)	5,355 (57)	5,460 (61)	5,500 (64)	5,525 (66)
18				2,950 (23.5)	3,545 (38)	3,885 (46.5)	4,200 (52)	4,335 (57)	4,415 (60.5)	4,470 (63)
20					2,560 (28.5)	2,880 (40)	3,190 (47)	3,405 (52.5)	3,530 (56.5)	3,605 (59.5)
22					1,780 (11.5)	2,085 (32)	2,375 (41)	2,595 (47.5)	2,800 (52.5)	2,885 (55.5)
24						1,435 (21)	1,715 (34.5)	1,935 (42.5)	2,145 (48.5)	2,290 (52)
26							1,170 (26)	1,390 (36.5)	1,600 (43.5)	1,750 (47.5)
28	N. A.						710 (11.5)	930 (29.5)	1,145 (38.5)	1,295 (43.5)
30								540 (20)	750 (32.5)	905 (38.5)
32										570 (33)
/inimum bo	oom angle (deg.) for inc	licated lengt	h (no load)				0	0	22
1aximum b	oom length	(m) at 0 de	the second of the last transfer)				36.6	



^{*}This capacity is based upon maximum obtainable boom angle.

Note: () Boom angles are in degrees.



⁺⁹ parts line required to lift this capacity (using aux. boom nose). Refer to Operator's & Safety Handbook for reeving diagram.



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10.0 m - 17.0 m FOLDING BOOM EXTENSION WITH 8,165 kg CWT

ON OUTRIGGERS 50% EXTENDED (5.3 m spread) - 360°

		0.0 m LENG1	TH		7.0 m LENGT		
Radius in Meters	0° OFFSET	20° OFFSET	40° OFFSET	0° OFFSET	20° OFFSET	40° OFFSET	
ivieters	#4021	#4022	#4023	#4041	#4042	#4043	
10	*5,395 (78)						
12	5,395 (77.5)			*2,745 (78)			
14	5,395 (75)	5,285 (78)		2,745 (77.5)			
16	5,300 (72.5)	4,620 (75.5)	*4,080 (78)	2,745 (75)			
18	4,325 (70)	4,155 (73)	3,640 (75.5)	2,745 (73)	*2,450 (78)		
20	3,530 (67.5)	3,760 (70.5)	3,345 (73)	2,745 (71)	2,400 (76.5)		
22	2,880 (64.5)	3,305 (67.5)	3,085 (70)	2,710 (68.5)	2,340 (74)	*2,070 (78)	
24	2,330 (62)	2,710 (65)	2,855 (67.5)	2,430 (66.5)	2,280 (72)	2,010 (76)	
26	1,865 (59)	2,200 (62)	2,460 (64.5)	1,975 (64)	2,100 (69.5)	1,860 (73.5)	
28	1,465 (56.5)	1,760 (59)	1,985 (61.5)	1,585 (61.5)	1,930 (67)	1,725 (71)	
30	1,115 (53)	1,380 (56)	1,570 (58)	1,245 (59)	1,720 (64.5)	1,605 (68)	
32	810 (50)	1,045 (53)	1,200 (55)	945 (56.5)	1,375 (62)	1,495 (65.5)	
34	540 (46.5)	745 (49.5)	875 (51.5)	675 (54)	1,065 (59.5)	1,375 (62.5)	
36			580 (47.5)		790 (56.5)	1,055 (60)	
38					540 (53.5)	770 (56.5)	
40						505 (53.5)	
Minimum boom angle (°) for indicated length (no load)	42	45	43	48	51	51.5	
Maximum boom length (m) at 0° boom angle (no load)		24.4		21.4			



NOTE: () Boom angles are in degrees.

#LMI operating code. Refer to LMI manual for operating instructions.

*This capacity is based upon maximum boom angle.

- 1. All capacities above the bold line are based on structural strength of boom extension
- 2. The 10.0 m and 17.0 m extension lengths may be used for single line lifting service only.
- 3. For main boom lengths less than 39.0 m with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
- 4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- 5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- 6. Capacities listed are with outriggers properly extended and vertical jacks set only.
- 7. When lifting over the main boom nose with 10.0 m or 17.0 m extension erected, the outriggers must be fully extended or 50% extended (5.3 m spread).



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80 Ton / 2 axle / 4 x 4 Rough Terrain Crane

(2009) Serial No. #230161 and #229118

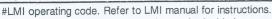
Unit: metric ton

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RATED LIFTING CAPACITIES IN KILOGRAMS WITH 8,165 kg CWT 12.6 m - 39.0 m BOOM

ON OUTRIGGERS 0% EXTENDED (3.15 m spread) - 360°

Radius					#8	001				
in				Ma	ain Boom Le	ength in Mete	ers			
Meters	12.6	15.2	18.3	**21.4	24.4	27.4	30.5	33.5	36.6	39.0
3	39,875 (71)	36,000 (75)	32,400 (78)						,	
3.5	32,500 (68.5)	29,675 (73)	26,950 (76)							
4	27,175 (66)	25,050 (71)	22,875 (74.5)	21,025 (77)						
4.5	23,150 (63.5)	21,450 (69)	19,725 (73)	18,175 (76)	17,675 (78)					
5	20,000 (60.5)	18,600 (66.5)	17,200 (71)	15,900 (74.5)	15,550 (76.5)	*15,150 (78)	*****			
6	15,425 (55)	14,375 (62.5)	13,350 (67.5)	12,425 (71.5)	12,300 (74.5)	12,125 (76.5)	*11,875 (78)			
7	12,275 (48.5)	11,400 (58)	10,600 (64)	9,900 (68.5)	9,955 (72)	9,885 (74)	9,775 (76)	*9,63 <u>0</u> (78)		
8	9,955 (41.5)	9,220 (53)	8,545 (60.5)	7,955 (65.5)	8,130 (69)	8,170 (72)	8,140 (74)	8,065 (76)	7,960 (78)	*7,870 (78)
9	7,870 (33)	7,525 (47.5)	6,940 (56.5)	6,440 (62.5)	6,670 (66.5)	6,795 (69.5)	6,835 (72)	6,815 (74.5)	6,760 (76)	6,710 (77.5)
10	6,235 (20.5)	6,110 (42)	5,660 (52.5)	5,220 (59.5)	5,495 (64)	5,660 (67.5)	5,765 (70)	5,795 (72.5)	5,770 (74.5)	5,750 (76)
12		3,940 (26.5)	3,750 (43.5)	3,385 (52.5)	3,710 (58.5)	3,930 (62.5)	4,090 (66)	4,190 (69)	4,245 (71)	4,265 (72.5)
14			2,365 (32)	2,070 (45)	2,425 (52.5)	2,675 (57.5)	2,865 (61.5)	3,000 (65)	3,085 (67.5)	3,145 (69.5)
16			1,275 (10.5)	1,090 (36)	1,455 (45.5)	1,725 (52)	1,935 (57)	2,090 (61)	2,195 (64)	2,270 (66)
18					705 (38)	980 (46.5)	1,200 (52)	1,370 (57)	1,490 (60.5)	1,575 (63)
20							615 (47)	790 (52.5)	920 (56.5)	1,010 (59.5)
22										545 (55.5)
linimum bo		deg.) for inc	licated	21	30	35	39	46	48	48
faximum b		(m) at 0 de	g. boom				18.3			



^{*}This capacity is based upon maximum obtainable boom angle.

Note: () Boom angles are in degrees.



^{**}This boom length is with inner-mid fully extended and outer-mid & fly fully retracted.



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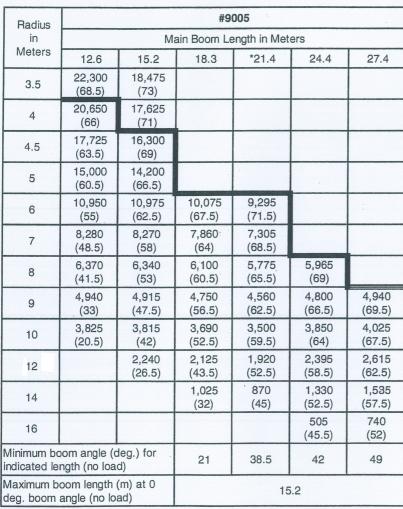
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ON RUBBER CAPACITIES WITH 8,165 kg COUNTERWEIGHT

STATIONARY CAPACITIES - 360°



#LMI operating code. Refer to LMI manual for instructions.

Note: () Boom angles are in degrees.

*This boom length is with inner-mid fully extended and outer-mid & fly fully retracted.

	Lifting Capacities at Zero Degree Boom Angle									
Boom	Main Boom Length in Meters									
Angle	12.6	15.2								
0°	3,440 (10.4)	1,625 (13)								

Note: () Reference radii in meters.

NOTES TO ALL RUBBER CAPACITY CHARTS:

- 1. Capacities are in kilograms. The crane's stability was determined in compliance with ISO 4305-1991 and EN 13000-2004, and also complies with DIN 15019.2 and British Standard 1757:1986 Clause 9. Capacities also meet the requirements of 75% stability when stationary and 66 2/3% stability for pick and carry lifts on rubber.
- Capacities are applicable to machines equipped with 29.5x25 (34 ply) General tires at 5.2 bar cold inflation pressure.
- Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
- 4. Capacities are applicable only with machine on firm level surface.
- 5. On rubber lifting with boom extensions not permitted.
- 6. For pick and carry operation, boom must be centered over front of machine, mechanical swing lock engaged and load restrained from swinging. When handling loads in the structural range with capacities close to maximum ratings, travel should be reduced to creep speeds.
- 7. Axle lockouts must be functioning when lifting on rubber.
- 8. All lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity chart for tire used. Damaged tires are hazardous to safe operation of crane.
- Creep not over 61 m of movement in any 30 minute period and not exceeding 1.6 km/h.



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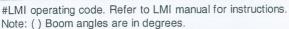
Unit: metric ton

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ON RUBBER CAPACITIES WITH 8,165 kg COUNTERWEIGHT (cont'd.)

PICK & CARRY CAPACITIES (UP TO 4.0 km/h) - BOOM CENTERED OVER FRONT (See note 6)

Radius			#90	006		
in		Ma	ain Boom Le	ength in Mete	ers	
Meters	12.6	15.2	18.3	*21.4	24.4	27.4
3.5	26,950 (68.5)	22,400 (73)				
4	25,300 (66)	22,400 (71)				
4.5	22,875 (63.5)	22,400 (69)				
5	21,050 (60.5)	20,900 (66.5)				
6	17,550 (55)	17,425 (62.5)	16,725 (67.5)	13,475 (71.5)		
7	15,050 (48.5)	14,925 (58)	14,550 (64)	13,475 (68.5)		
8	12,375 (41.5)	12,200 (53)	11,950 (60.5)	11,975 (65.5)		
9	9,945 (33)	9,745 (47.5)	9,600 (56.5)	9,750 (62.5)	10,050 (66.5)	
10	8,125 (20.5)	7,915 (42)	7,830 (52.5)	7,940 (59.5)	8,280 (64)	
12		5,370 (26.5)	5,365 (43.5)	5,370 (52.5)	5,780 (58.5)	6,130 (62.5)
14			3,735 (32)	3,665 (45)	4,090 (52.5)	4,425 (57.5)
16			2,575 (10.5)	2,455 (36)	2,885 (45.5)	3,190 (52)
18				1,550 (23.5)	1,985 (38)	2,265 (46.5)
20					1,290 (28.5)	1,550 (40)
22					730 (11.5)	980 (32)
24						510 (21)
/linimum bo	oom angle (d	deg.) for ind	icated lengt	h (no load)		0
/laximum b	oom length	(m) at 0 deg	g. boom ang	le (no load)		27.4

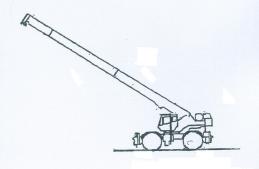


Lifting Capacities at Zero Degree Boom Angle									
Boom		Main Boom Length in Meters							
Angle	12.6	15.2	18.3	*21.4	24.4				
0°	7,510 (10.4)	4,410 (13)	2,530 (16.1)	1,105 (19.2)	685 (22.2)				

Note: () Reference radii in meters.

*This boom length is with inner-mid fully extended and

outer-mid & fly fully retracted.





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WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

10.0 m - 17.0 m FOLDING BOOM EXTENSION						
*10.0 m Extension (Erected) -	1678 kg					
*17.0 m Extension (Erected) -	3552 kg					
*23.1 m (1 insert Erected) -	4695 kg					
*29.2 m (2 inserts Erected) -	6033 kg					

^{*}Reduction of main boom capacities

(no deduct required for stowed boom extension)

When lifting over boom extension, deduct total weight of all load handling devices reeved over main boom nose directly from boom extension capacity.

AUXILIARY BOOM NOSE	62 kg				
HOOKBLOCK and OVERHAUL BALL:					
75 MT, 5 Sheave	578 kg+				
36 MT, 3 Sheave	545 kg+				
9.1 MT Overhaul Ball	258 kg+				

⁺Refer to rating plate for actual weight.

NOTE: All load handling devices and boom attachments are considered part of the load and suitable allowances MUST BE MADE for their combined weights. Weights are for Grove furnished equipment.

LINE PULLS AND REEVING INFORMATION

HOISTS	CABLE SPECS.	PERMISSIBLE LINE PULLS	NOMINAL CABLE LENGTH
Main	19 mm (3/4") 6x37 Class EIPS, IWRC Special Flexible Min. Breaking Str. 26,670 kg	7,620 kg	183 m
Main & Aux.	19 mm (3/4") 35x7 Class Rotation Resistant (non-rotating) Min. Breaking Strength 38,920 kg	7,780 kg	185 m

The approximate weight of 19 mm wire rope is 0.68 kg / .3048 m

