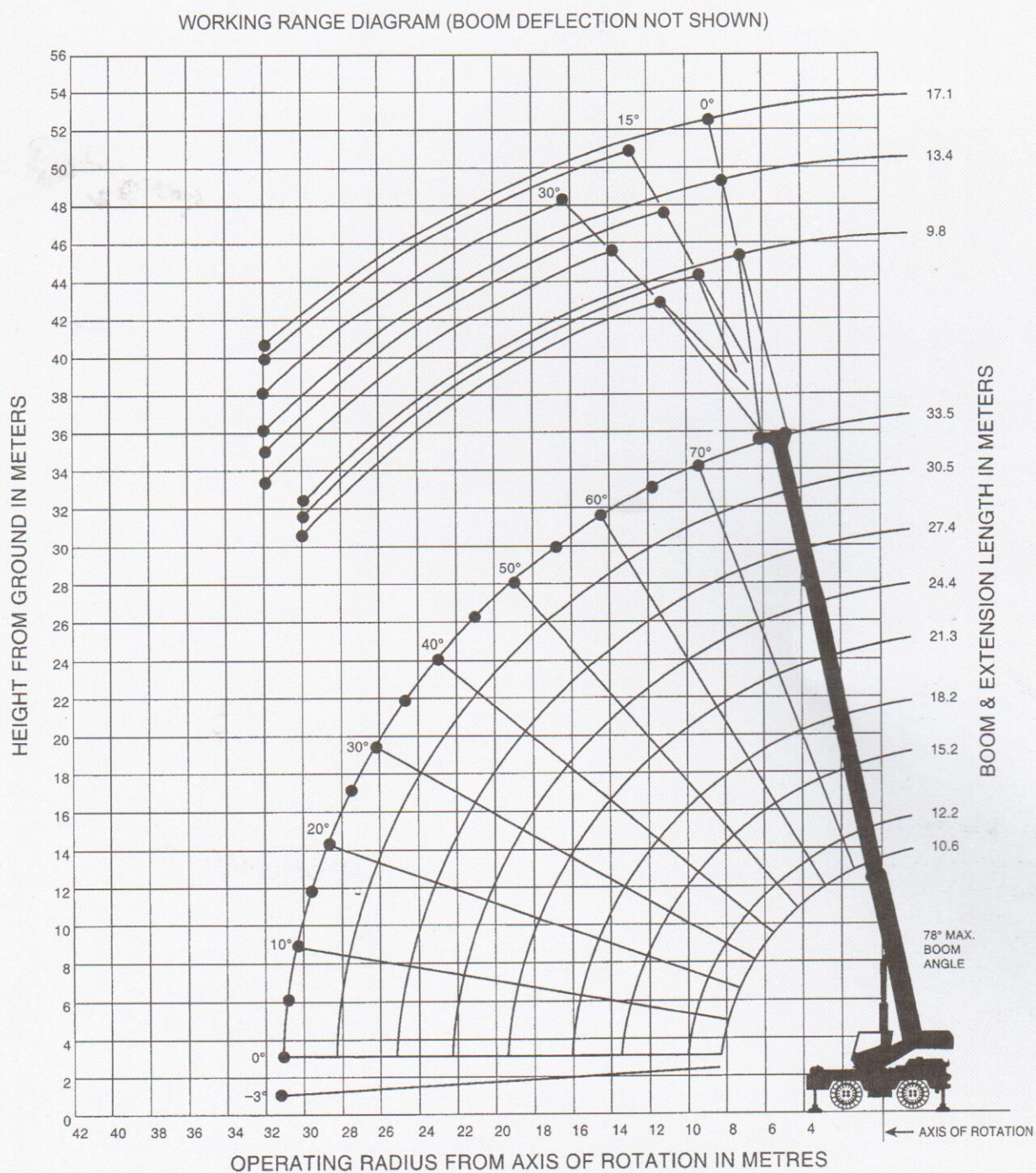


Height of Lift - 10.6m - 33.5m Full Power Boom



Metric 85% Lifting Capacities (Kilograms) on Outriggers Fully Extended- 4 Section Boom

RT 740B

Main Boom - On Outriggers Fully Extended - 360°

Radius in Meters (m)	Main Boom Length in Meters								
	10.6	12.2	15.2	*18.2	21.3	24.4	27.4	30.5	33.5
3	40,000 (66)	30,825 (69.5)	26,350 (74)						
3.5	31,875 (63)	29,050 (67)	24,850 (72)	20,250 (75.5)					
4	28,275 (60)	27,025 (64.5)	23,975 (70)	19,750 (73.5)					
4.5	25,900 (58.5)	25,000 (61.5)	22,075 (68)	18,975 (72)	16,125 (75)	14,950 (77)			
5	23,900 (53)	23,125 (58.5)	20,325 (66)	17,900 (70.5)	15,500 (73.5)	14,300 (76)			
6	20,275 (45)	20,000 (52.5)	18,050 (61.5)	15,425 (57)	13,975 (70.5)	12,825 (73.5)	11,550 (75.5)	10,025 (77.5)	
7	17,050 (36)	16,650 (46)	16,000 (57)	13,500 (63.5)	12,375 (67.5)	11,500 (71)	10,550 (75.5)	9,630 (78.5)	8,390 (77.5)
8	14,100 (23)	14,100 (38.5)	13,800 (52)	12,025 (59.5)	10,900 (64.5)	10,375 (68.5)	9,635 (71.5)	8,960 (73.5)	8,065 (75.5)
9		12,250 (29)	11,800 (47)	10,725 (56)	9,700 (61.5)	9,390 (66)	8,865 (69)	8,085 (71.5)	7,250 (73.5)
10			10,175 (41)	9,680 (51.5)	8,710 (58.5)	8,455 (63)	8,010 (66.5)	7,285 (69.5)	6,570 (72)
12			7,480 (26)	7,465 (42.5)	7,160 (51.5)	6,950 (57.5)	6,510 (62)	6,040 (65.5)	5,530 (68)
14				5,315 (31.5)	5,670 (44)	5,720 (51.5)	5,445 (57)	5,060 (61)	4,705 (64.5)
16					4,210 (35)	4,410 (46)	4,535 (51.5)	4,255 (56.5)	4,050 (60.5)
18					3,145 (22.5)	3,370 (37.5)	3,705 (46)	3,635 (51.5)	3,435 (56)
20						2,580 (28)	2,800 (39)	3,020 (46.5)	2,945 (51.5)
22							2,095 (31.5)	2,320 (40.5)	2,505 (47)
24							1,530 (21)	1,750 (34)	1,965 (42)
26								1,285 (25.5)	1,515 (36)
28								890 (12)	1,140 (29)
30									825 (19.5)
									0
									33.5

Minimum boom angle (deg.) for indicated length (no load)

Maximum boom length (m) at 0 deg. boom angle (no load)

Note: () Boom angles are in degrees.

* 18.2m boom length is with inner-mid extended and outer-mid & fly retracted.

9.8m Swingaway - 360°

Radius in Meters (m)	0° Offset		15° Offset		30° Offset	
	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.
9	78.0	*4,030				
10	76.5	3,930	78.0	*3,350		
12	74.0	3,650	76.0	3,190	78.0	*2,805
14	71.0	3,350	73.0	2,950	75.5	2,610
16	68.0	3,045	70.5	2,715	72.5	2,335
18	65.0	2,720	67.5	2,500	69.5	2,185
20	62.0	2,345	64.0	2,300	66.5	2,090
22	58.5	2,000	61.0	2,000	63.5	2,000
24	55.5	1,715	58.0	1,715	60.0	1,715
26	52.0	1,325	54.5	1,325	56.5	1,325
28	48.0	985	50.5	985	53.0	985
30	44.5	690	47.0	690	49.0	690

* This capacity is based upon the maximum boom angle.

Weight Reductions for Load Handling Devices (Approx.)

9.8m Boom Extension

*Stowed	304 kg.
*Erected	1,882 kg.

9.8m - 17.1m Boom Extension

*Stowed	384 kg.
*Erected (Retracted)	2,889 kg.
*Erected (Extended)	3,759 kg.

*Reduction of main boom capacities

Hookblocks and Headache Balls

40 MT, 4 Sheave	500 kg.
13.6 MT, 1 Sheave	172 kg.
Auxiliary Boom Head	65 kg.
9.1 MT Headache Ball	254 kg.
6.8 MT Headache Ball	153 kg.

Note: MT refers to metric tonne



Dimensions are for largest furnished hook block and headache ball with anti-two block activated.

9.8m - 17.1m Tele. Swingaway - 360°

Radius in Meters (m)	9.8m Length						13.4m Length						17.1m Length					
	0° Offset		15° Offset		30° Offset		0° Offset		15° Offset		30° Offset		0° Offset		15° Offset		30° Offset	
	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.	Boom Angle (Deg.)	Cap Kg.
9	78.0	*3,855					78.0	*2,310										
10	76.5	3,755	78.0	*3,175			77.5	2,305										
12	74.0	3,475	76.0	3,015	78.0	*2,630	75.0	2,270	78.0	*1,950			76.5	1,810				
14	71.0	3,175	73.0	2,775	75.5	2,435	72.5	2,210	76.0	1,935	78.0	*1,495	74.5	1,770	78.0	*1,500		
16	68.0	2,870	70.5	2,540	72.5	2,160	70.0	2,110	73.5	1,820	76.0	1,470	72.5	1,725	76.0	1,450		
18	65.0	2,545	67.5	2,325	69.5	2,010	67.0	1,970	71.0	1,715	73.5	1,415	69.5	1,685	73.5	1,335	78.0	*1,040
20	62.0	2,170	64.0	2,125	66.5	1,915	64.5	1,805	68.0	1,610	70.5	1,355	67.5	1,635	71.5	1,240	75.0	990
22	58.5	1,825	61.0	1,825	63.5	1,825	61.5	1,620	65.5	1,500	68.0	1,295	65.0	1,555	69.0	1,180	72.5	935
24	55.5	1,540	58.0	1,540	60.0	1,540	58.5	1,435	62.5	1,380	65.0	1,235	62.5	1,405	66.5	1,095	70.0	890
26	52.0	1,150	54.5	1,150	56.5	1,150	55.5	1,260	59.5	1,260	62.0	1,175	60.0	1,125	63.5	1,040	67.0	850
28	48.0	810	50.5	810	53.0	810	52.5	1,045	56.5	1,045	58.5	1,045	57.0	850	61.0	850	64.5	810
30	44.5	515	47.0	515	49.0	515	49.0	755	53.5	755	55.5	755	54.5	615	58.0	615	61.5	615
32							46.0	500	50.0	500	51.5	500	51.5	385	55.0	385	58.5	385

* This capacity is based upon the maximum boom angle.

Lifting Capacities on Rubber- 4 Section Boom

On Rubber 18.00 x 25-32 PR (Stationary Capacities - 360°)

Radius in Meters (m)	Tyre Inflation Pr. 8.1 kg/cm ²							
	Main Boom Length in Meters							
	10.6	12.2	15.2	*18.2	21.3	24.4	27.4	30.5
3	14,900 (66)	14,100 (69.5)	10,050 (74)					
3.5	13,000 (63)	12,400 (67)	8,955 (72)	8,300 (75.5)				
4	11,250 (60)	10,950 (64.5)	8,010 (70)	7,800 (73.5)				
4.5	9,845 (56.5)	9,810 (61.5)	7,340 (68)	7,120 (72)				
5	8,670 (53)	8,670 (58.5)	6,795 (66)	6,555 (70.5)				
6	6,835 (45)	6,765 (52.5)	5,900 (61.6)	5,735 (67)	4,750 (70.5)	2,800 (73.5)		
7	5,235 (36)	5,045 (46)	4,840 (57)	4,525 (63.5)	3,990 (67.5)	2,800 (71)		
8	4,020 (23)	3,810 (38.5)	3,605 (52)	3,370 (59.5)	3,300 (64.5)	2,800 (68.5)	2,050 (71.5)	920 (73.5)
9		2,895 (29)	2,680 (47)	2,430 (56)	2,635 (61.5)	2,435 (66)	2,050 (69)	920 (71.5)
10		2,190 (11.5)	1,965 (41)	1,730 (51.5)	2,180 (58.5)	2,055 (63)	2,040 (66.5)	920 (69.5)
12			930 (26)	730 (42.5)	1,005 (51.5)	1,005 (57.5)	820 (62)	820 (65.5)

Note : () Boom angles are in degrees.

* 18.2m boom length is with inner-mid extended and outer-mid & fly retracted.

On Rubber 18.00 x 25-32 PR (Stationary - Defined Arc Over Front)

Radius in Meters (m)	Tyre Inflation Pr. 8.1 kg/cm ²							
	Main Boom Length in Meters							
	10.6	12.2	15.2	*18.2	21.3	24.4	27.4	30.5
3	16,925 (66)	14,100 (69.5)	10,050 (74)					
3.5	15,325 (63)	12,400 (67)	9,295 (72)	8,300 (75.5)				
4	13,850 (60)	11,125 (64.5)	8,695 (70)	8,005 (73.5)				
4.5	12,625 (56.5)	10,500 (61.5)	8,340 (68)	7,720 (72)				
5	11,600 (53)	10,075 (58.5)	8,090 (66)	7,215 (70.5)				
6	9,920 (45)	9,465 (52.5)	7,720 (61.6)	6,205 (57)	5,215 (70.5)	4,710 (73.5)		
7	8,630 (36)	8,360 (46)	6,735 (57)	5,460 (63.5)	4,835 (67.5)	4,360 (71)		
8	7,605 (23)	7,405 (38.5)	5,875 (52)	4,955 (59.5)	4,535 (64.5)	4,105 (68.5)	3,555 (71.5)	2,865 (73.5)
9		6,305 (29)	5,250 (47)	4,585 (56)	4,250 (61.5)	3,885 (66)	3,355 (69)	2,695 (71.5)
10		5,030 (11.5)	4,670 (41)	4,305 (51.5)	4,050 (58.5)	3,675 (63)	3,195 (66.5)	2,590 (69.5)
12			3,170 (26)	3,045 (42.5)	3,210 (51.5)	3,210 (57.5)	2,965 (62)	2,420 (65.5)
14				1,940 (31.5)	1,995 (44)	1,995 (51.5)	1,995 (57)	1,995 (61)
16				1,125 (11)	1,125 (35)	1,125 (45)	1,125 (51.5)	1,125 (56.5)
18					715 (22.5)	715 (37.5)	715 (46)	715 (51.5)

Note : () Boom angles are in degrees.

* 18.2m boom length is with inner-mid extended and outer-mid & fly retracted.

Lifting Capacities on Rubber- 4 Section Boom

RT 740B

On Rubber 18.00 x 25-32 PR (Pick & Carry Capacities upto 4.0 KPH - Boom Centered Over Front)

Radius in Meters (m)	Tyre Inflation Pr. 8.1 kg/cm ²						
	Main Boom Length in Meters						
	10.6	12.2	15.2	*18.2	21.3	24.4	27.4
3	17,350 (65)	14,250 (69.5)					
3.5	15,600 (63)	13,400 (67)	12,825 (72)				
4	13,950 (60)	12,750 (64.5)	12,075 (70)				
4.5	12,575 (56.5)	12,550 (61.51)	11,425 (68)	10,450 (72)			
5	11,425 (53)	11,425 (58.5)	10,850 (66)	9,545 (70.5)			
6	10,000 (45)	9,580 (52.5)	9,455 (61.6)	7,980 (67)	6,330 (70.5)		
7	8,000 (36)	8,000 (46)	7,890 (57)	6,730 (63.5)	5,435 (67.5)		
8	6,820 (23)	6,770 (38.5)	6,740 (52)	5,710 (59.5)	4,755 (64.5)	4,755 (68.5)	4,485 (71.5)
9		5,780 (29)	5,705 (47)	4,900 (56)	4,275 (61.5)	4,275 (66)	4,250 (69)
10		4,900 (11.5)	4,785 (41)	4,400 (51.5)	3,920 (58.5)	3,920 (63)	3,920 (66.5)
12			3,170 (26)	3,045 (42.5)	3,210 (51.5)	3,210 (57.5)	3,210 (62)
14				2,000 (31.5)	1,995 (44)	1,995 (51.5)	1,995 (57)
16				1,125 (11)	1,125 (35)	1,125 (45)	1,125 (51.5)
18					715 (22.5)	715 (37.5)	715 (46)

Note : () Boom angles are in degrees.

* 18.2m boom length is with inner-mid extended and outer-mid & fly retracted.

Notes for Lifting Capacities

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.

- All rated loads have been tested to and meet minimum requirements of IS : 4573 - 1982 Specification for Power Driven Mobile Cranes, and do not exceed 85% of the tipping load on outriggers (85% of the tipping load on rubber) as determined by SAE J765 OCT80 Crane Stability Test Code.
- The weight of hookblock, slings and all similarly used load handling devices must be added to the weight of the load. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.
- Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
- All capacities are for crane on firm, level surface. It may be necessary to have structural supports under the outrigger floats or tyres to spread the load, to a larger bearing surface.
- When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.
- On rubber lifting with Boom extensions not permitted.
- Tyres shall be inflated to the recommended pressure before lifting on rubber. Capacities must be reduced for lower tyre inflation.
- If machine is equipped with individually controlled powered boom sections, the boom sections must be extended equally at all times.
- Defined Arc $\pm 6^\circ$ on either side of longitudinal centerline of machine.
- For Pick & 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 max. rating, travel should be reduced to creep speeds (not over 61m of movement in 30 min, not exceeding 1.6 KPH).

- Axle lockouts must be functioning before lifting on rubber.
- 9.8m Fixed offsettable boom extension warning: For main boom length greater than 24.4m with 9.8m tele, boom extension in working position, the boom angle must not be less than 40° since loss of stability will occur causing a tipping condition.
- 9.8m - 17.1m tele, offsettable boom extension warning : For main boom length greater than 24.4m with 9.8m - 17.1m tele, boom extension in working position, the boom angle must not be less than 40° since loss of stability will occur causing a tipping condition.
- Radii listed are for a fully extended boom with the boom extension erected. For main boom length less than fully extended, 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 configured. For boom angles not shown, use the rating of the next lower boom angle.

WARNING: Operation of the machine with heavier load than the capacities listed is strictly prohibited. Machine tipping occurs without advance warning.

No Load Stability on Rubber

	No Load Stability Data	Main Boom 33.5m
Front (No load)	Min. boom angle (deg.) for indicated length Max. boom length (m) at 0° boom angle	40 21.3
360° (No load)	Min. boom angle (deg.) for indicated length Max. boom length (m) at 0° boom angle	55 15.2