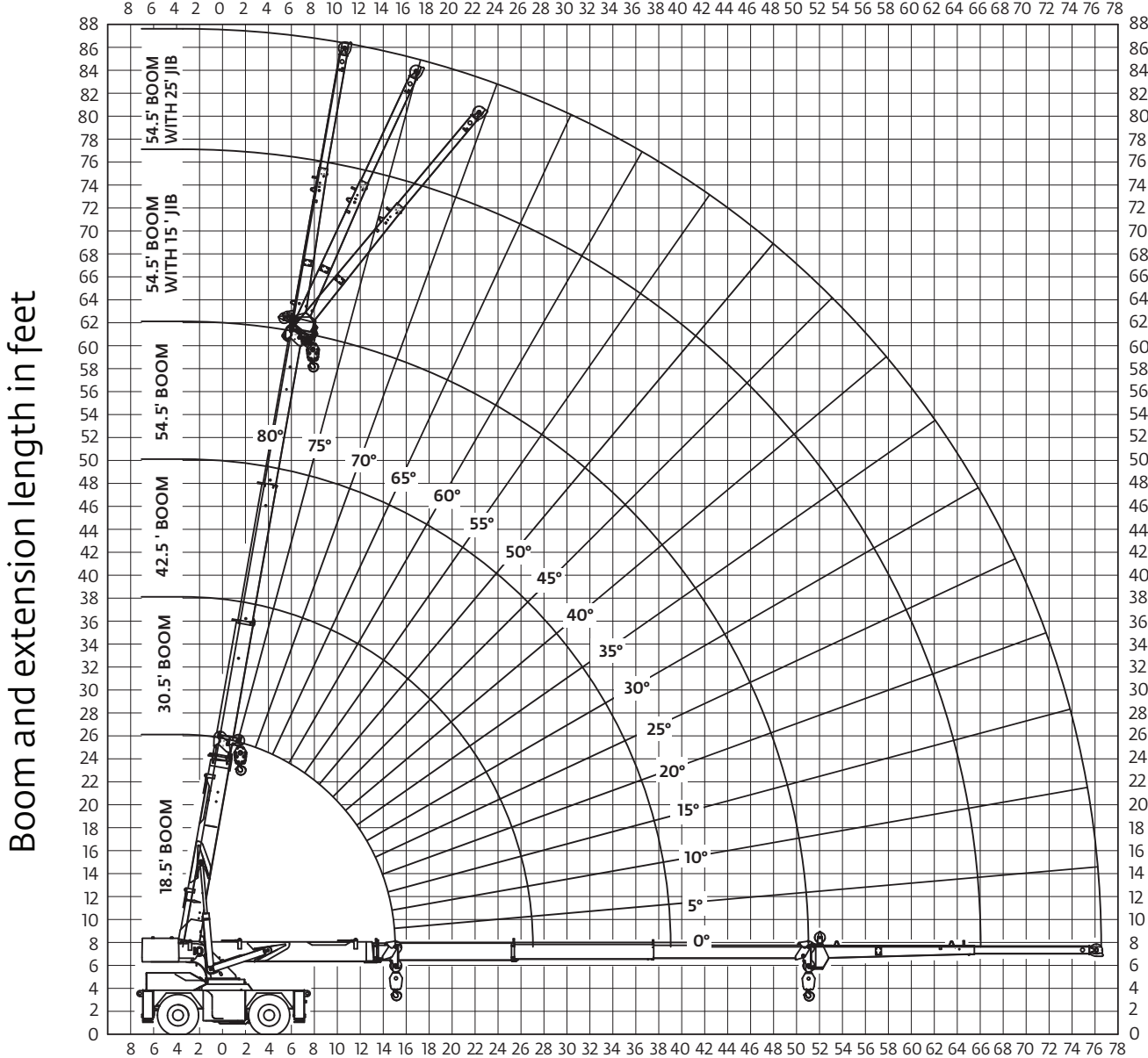


(BOOM DEFLECTION NOT SHOWN)



Operating radius in feet from axis of rotation

*THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.  
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# Load chart

Imperial



18.5 ft - 54.5 ft



100% (360°)



0% (front/rear ± 15° defined arc)



Pounds

Radius in Feet	Main Boom Length in Feet			
	18.5	30.5	42.5	54.5
6	40,000 (65)	24,000 (75.5)		
8	33,850 (57.5)	24,000 (71.5)	23,650 (77.5)	
10	30,100 (49.5)	24,000 (67.5)	21,550 (75)	16,800 (79)
12	26,950 (39.5)	24,000 (63)	19,850 (72)	15,350 (77)
14	23,550 (25.5)	24,000 (58.5)	18,050 (69)	14,100 (74.5)
15	18,900 (0)	22,500 (56.5)	17,250 (67.5)	13,500 (73.5)
16		21,000 (54)	16,550 (66)	13,000 (72.5)
18		18,450 (49)	15,250 (63)	12,100 (70)
20		16,300 (43.5)	14,250 (60)	11,250 (68)
22		14,150 (37)	13,300 (56.5)	10,550 (65.5)
24		12,250 (29.5)	12,200 (53)	9940 (63)
26		10,700 (19)	10,750 (49.5)	9380 (60.5)
27		10,050 (0)	10,150 (47.5)	9120 (59.5)
28			9600 (45.5)	8880 (58)
30			8620 (41.5)	8430 (55.5)
32			7790 (37)	8020 (53)
34			7090 (31.5)	7300 (50)
36			6470 (25)	6680 (47)
38			5920 (16)	6130 (44)
39			5680 (0)	5890 (42.5)
40				5650 (40.5)
42				5230 (37)
44				4850 (33)
46				4500 (28.5)
48				4180 (23)
51				3760 (0)

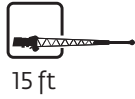
NOTE: ( ) Boom angles are in degrees. 80090205

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# Load chart

Imperial



Pounds

Main Boom Angle (°)	0° OFFSET		15° OFFSET		30° OFFSET
	To 42.5' boom length	To 54.5' boom length	To 42.5' boom length	To 54.5' boom length	Any boom length
75	9300	6500	7400	5650	3500
70	8550	6100	6950	4350	2800
65	7950	6100	6500	3800	2350
60	7400	5650	5350	3500	2150
55	6950	4350	4550	2800	1900
50	6500	3800	4050	2350	1750
45	5350	3500	3450	2150	1670
40	4550	2800	3300	1900	1550
35	4050	2350	3150	1750	
30	3450	2150	3000	1670	
25	3300	1900	2800	1550	
20	3150	1750			
15	3000	1670			
10	2800	1550			

80090207

NOTES:

1. 15 ft boom extension may be used for single line lifting service only.
2. 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.

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# Load chart

Imperial



15 ft - 25 ft



100%



360°



Pounds

Main Boom Angle (°)	15 FT LENGTH					25 FT LENGTH				
	0° OFFSET		15° OFFSET		30° OFFSET	0° OFFSET		15° OFFSET		30° OFFSET
	To 42.5' boom length	To 54.5' boom length	To 42.5' boom length	To 54.5' boom length	Any boom length	To 42.5' boom length	To 54.5' boom length	To 42.5' boom length	To 54.5' boom length	Any boom length
80	8500	8550	5100	4770	3060	5830	5800	3710	3460	2200
75	6990	6650	4400	4100	2640	5120	4860	3190	2970	1890
70	5940	5580	3790	3540	2290	4330	4070	2740	2560	1630
65	5100	4770	3270	3060	1990	3710	3460	2350	2200	1410
60	4400	4100	2810	2640	1750	3190	2970	2020	1890	1230
55	3790	3540	2420	2290	1560	2740	2560	1730	1630	1090
50	3270	3060	2090	1990	1430	2350	2200	1480	1410	990
45	2810	2640	1830	1750	1370	2020	1890	1290	1230	950
40	2420	2290	1630	1560	1370	1730	1630	1140	1090	950
35	2090	1990	1490	1430	1280	1480	1410	1040	990	900
30	1830	1750	1440	1370	1250	1290	1230	1000	950	800
25	1630	1560	1440	1370		1140	1090	1000	950	
20	1490	1430	1440	1280		1040	990	900	900	
15	1440	1370	1250	1250		1000	950	800	800	
10	1440	1370				1000	950			
5	1440	1280				900	900			
0	1250	1250				800	800			

80090208

NOTES:

1. 15 ft - 25 ft boom extension may be used for single line lifting service only.
2. 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.

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# Load chart

## Imperial



Radius in Feet	Defined Arc 15° Over Front	Stationary 360°
6	16,000	15,500
8	14,100	13,550
10	11,250	10,800
12	9860	8880
14	8700	7420
15	8190	6800
16	7720	6350
18	6890	5890
20	6180	5070
22	5570	4370
24	4990	3760
26	4460	3250
27	4220	3010
28	4100	2810
30	3680	2690
32	3300	2580
34	2950	2130
36	2640	1890
38	2350	1650
39	2220	1540
40	2160	1420
42	2110	1300
44	1910	1170
46	1720	1030
48	1550	900
51	1310	730

80090209

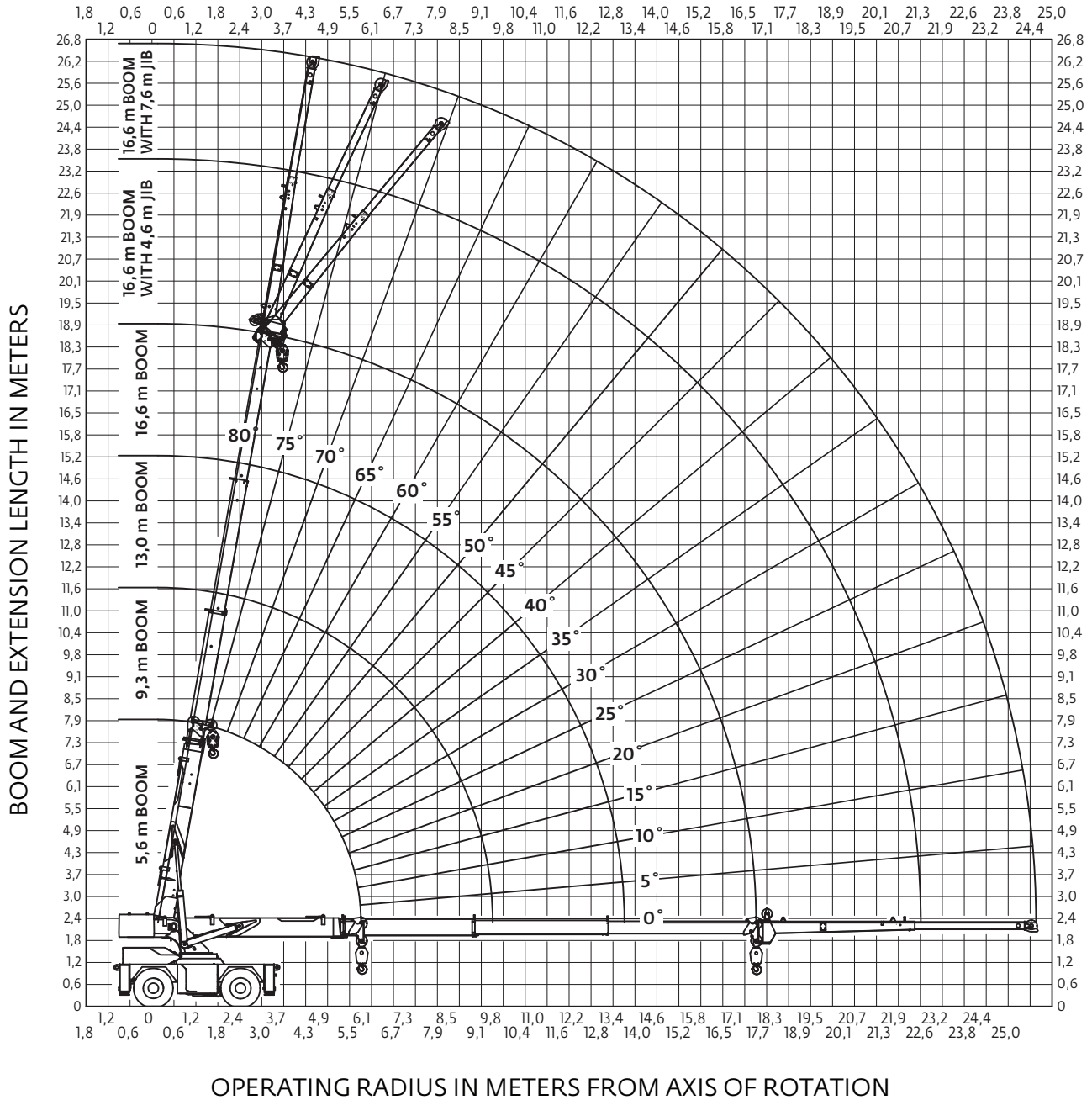
1. Capacities are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Capacities are applicable to machines equipped with 12.00R20 at 130 psi cold inflation pressure.
3. Capacities are applicable only with machine on a smooth, level and firm surface.
4. Defined Arc - Over front includes 15° on either side of longitudinal centerline of machine.
5. All rubber lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. Damaged tires are hazardous to safe operation of crane.
6. For pick and carry operation, the boom, using the shortest practical boom length, must be centered over front of machine. Maximum speed is 2.5 mph.
7. On rubber lifting with boom extension not permitted.

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# Working range

Metric

(BOOM DEFLECTION NOT SHOWN)



OPERATING RADIUS IN METERS FROM AXIS OF ROTATION

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# Load chart

## Metric



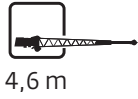
Radius in meters	Main Boom Length in meters			
	5,6	9,3	13,0	16,6
2	18 000 (63)	10 875 (74,5)		
2,4	15 350 (58)	10 875 (71,5)	10 725 (78)	
3	13 650 (50)	10 875 (67,5)	9775 (75)	7620 (79)
3,7	12 200 (38,5)	10 875 (62,5)	9000 (71,5)	6960 (76,5)
4,3	10 375 (24,5)	10 875 (58,5)	8185 (69)	6395 (74,5)
4,6	8570 (0)	10 200 (56)	7820 (67,5)	6120 (73,5)
4,9		9525 (53,5)	7505 (66)	5895 (72,5)
5,5		8365 (49)	6915 (63)	5485 (70)
6,1		7390 (43,5)	6460 (60)	5100 (68)
6,7		6360 (37)	6030 (56,5)	4785 (65,5)
7,3		5560 (29,5)	5555 (53)	4505 (63)
7,9		4905 (19,5)	4905 (49,5)	4255 (61)
8,2		4610 (0)	4630 (47,5)	4135 (59,5)
8,5			4380 (46)	4025 (58,5)
9,1			3940 (41,5)	3820 (56)
9,8			3510 (36,5)	3625 (52,5)
10,4			3200 (31)	3300 (50)
11,0			2930 (25)	3020 (47)
11,6			2690 (15,5)	2780 (44)
11,9			2590 (0)	2670 (42,5)
12,2				2565 (40,5)
12,8				2370 (37)
13,4				2200 (33)
14,0				2045 (28,5)
14,6				1905 (23)
15,5				1715 (0)

NOTE: ( ) Boom angles are in degrees. 80093261

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# Load chart

Metric



Pounds

Main Boom Angle (°)	0° OFFSET		15° OFFSET		30° OFFSET
	To 13.0 m boom length	To 16.6 m boom length	To 13.0 m boom length	To 16.6 m boom length	Any boom length
75	4215	2945	3355	2560	1585
70	3875	2765	3150	1970	1270
65	3605	2765	2945	1720	1065
60	3355	2560	2425	1585	975
55	3150	1970	2060	1270	860
50	2945	1720	1835	1065	790
45	2425	1585	1565	975	760
40	2060	1270	1495	860	700
35	1835	1065	1425	790	
30	1565	975	1360	760	
25	1495	860	1270	700	
20	1425	790			
15	1360	760			
10	1270	700			

80093263

NOTES:

1. 4,6 m boom extension may be used for single line lifting service only.
2. 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.

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# Load chart

Metric



Pounds

Main Boom Angle (°)	4,6 m LENGTH					7,6 m LENGTH				
	0° OFFSET		15° OFFSET		30° OFFSET	0° OFFSET		15° OFFSET		30° OFFSET
	To 13,0 m boom length	To 16,6 m boom length	To 13,0 m boom length	To 16,6 m boom length	Any boom length	To 13,0 m boom length	To 16,6 m boom length	To 13,0 m boom length	To 16,6 m boom length	Any boom length
80	3855	3875	2310	2160	1385	2640	2630	1680	1565	995
75	3170	3015	1995	1860	1195	2320	2220	1445	1345	855
70	2690	2530	1715	1605	1035	1960	1845	1240	1160	735
65	2310	2160	1480	1385	900	1680	1565	1065	995	640
60	1995	1860	1275	1195	790	1445	1345	915	855	555
55	1715	1605	1095	1035	705	1240	1160	785	735	490
50	1480	1385	945	900	645	1065	995	670	640	445
45	1275	1195	830	790	620	915	855	585	555	430
40	1095	1035	735	705	620	785	735	515	490	430
35	945	900	675	645	580	670	640	470	445	405
30	830	790	650	620	565	585	555	450	430	360
25	735	705	650	620	---	515	490	450	430	---
20	675	645	650	580	---	470	445	405	405	---
15	650	620	565	565	---	450	430	360	360	---
10	650	620	---	---	---	450	430	---	---	---
5	650	580	---	---	---	405	405	---	---	---
0	565	565	---	---	---	360	360	---	---	---

80093264

NOTES:

- 4,6 m - 7,6 m boom extension may be used for single line lifting service only.
- 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.

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# Load chart

Metric



Radius in meters	Defined Arc 15° Over Front	Stationary 360°
2,0	6965	6735
2,4	6395	6145
3,0	5100	4985
3,7	4470	4025
4,3	3945	3365
4,6	3715	3080
4,9	3500	2880
5,5	3125	2670
6,1	2800	2300
6,7	2525	1980
7,3	2260	1705
7,9	2020	1470
8,2	1910	1365
8,5	1860	1275
9,1	1665	1220
9,8	1495	1170
10,4	1335	965
11,0	1195	855
11,6	1065	745
11,9	1005	695
12,2	980	640
12,8	955	590
13,4	865	530
14,0	780	465
14,6	700	405
15,5	590	330

80093265

1. Capacities are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Capacities are applicable to machines equipped with 12.00R20 at 130 psi cold inflation pressure.
3. Capacities are applicable only with machine on a smooth, level and firm surface.
4. Defined Arc - Over front includes 15° on either side of longitudinal centerline of machine.
5. All rubber lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. Damaged tires are hazardous to safe operation of crane.
6. For pick and carry operation, the boom, using the shortest practical boom length, must be centered over front of machine. Maximum speed is 4,0 km/h.
7. On rubber lifting with boom extension not permitted.

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