

Lifting Capacities (Metric) 85% Rating 5 Section Boom Duties (in Kilograms)

TMS 855

Radius in Meters	Main Boom Length in Meters									
	11.2	12.2	15.2	18.6	22.4	26.2	30.0	33.8	37.6	41.3
3.0	55,000 (69.43)	36,375 (71.30)								
3.5	47,000 (66.56)	36,375 (68.73)	34,475 (73.16)							
4.0	42,875 (63.62)	36,075 (66.11)	34,475 (71.15)	26,175 (74.74)						
4.5	39,250 (60.58)	35,650 (63.42)	34,475 (69.10)	25,800 (73.11)	15,175 (76.08)					
5.0	36,225 (57.43)	33,350 (60.65)	32,450 (67.00)	24,450 (71.47)	15,175 (74.74)	12,550 (77.02)				
6.0	30,350 (50.68)	28,075 (54.81)	27,700 (62.73)	21,350 (68.13)	15,175 (72.04)	12,550 (74.74)	11,700 (76.73)			
7.0	26,000 (43.06)	24,200 (48.44)	23,900 (58.24)	18,675 (64.69)	14,425 (69.29)	12,275 (72.44)	11,125 (74.74)	9,375 (76.50)		
8.0	18,900 (33.84)	18,700 (41.23)	18,100 (53.49)	16,625 (61.14)	13,350 (66.48)	11,575 (70.10)	10,425 (72.73)	9,150 (74.74)	7,600 (76.33)	
9.0	13,650 (20.39)	14,650 (32.53)	14,100 (48.39)	13,700 (57.45)	11,850 (63.60)	10,175 (67.72)	9,575 (70.70)	8,550 (72.96)	7,200 (74.74)	6,000 (76.16)
10.0		11,750 (20.00)	11,200 (42.78)	10,900 (53.58)	10,625 (60.65)	9,175 (65.30)	8,850 (68.64)	7,965 (71.17)	6,800 (73.14)	5,800 (74.72)
12.0			7,500 (28.65)	7,100 (45.10)	7,750 (54.42)	7,775 (60.29)	7,275 (64.42)	6,975 (67.50)	6,000 (69.90)	5,200 (71.81)
14.0				4,700 (34.90)	5,300 (47.61)	5,750 (55.00)	6,000 (60.03)	6,235 (63.73)	5,200 (66.59)	5,000 (68.84)
16.0				3,000 (20.14)	3,650 (39.87)	4,000 (49.30)	4,400 (55.42)	4,600 (59.83)	4,800 (63.19)	4,800 (65.80)
18.0					2,400 (30.43)	2,850 (43.02)	3,150 (50.53)	3,400 (55.75)	3,500 (59.67)	3,600 (62.69)
20.0					1,500 (16.07)	1,900 (35.83)	2,200 (45.23)	2,400 (51.45)	2,600 (56.01)	2,700 (59.49)
22.0						1,150 (26.91)	1,450 (39.35)	1,700 (46.86)	1,850 (52.18)	2,000 (56.17)
24.0						500 (12.49)	850 (32.56)	1,000 (41.88)	1,240 (48.13)	1,400 (52.70)
26.0								500 (36.31)	750 (43.79)	850 (49.06)

Note: 1. () Boom angles are in degree

2. Minimum boom angle 0 degree for 41.3 meter boom length (no load) at over rear only.

WARNING- Do not derrick- up from 0 degree boom angle if boom length is more than 33.8 meter.