

THE MEN FROM
MARR'S

FVELLE
FAVCO

M1680D TOWER CRANE



M1680D

TECHNICAL DATA SHEET

M1680D
TOWER CRANE

MAXIMUM ALLOWABLE SERVICE WIND
SPEED OF 20 m/s



M1680D RADIUS & CAPACITY (METRIC UNITS)

Boom Length (m)	Max Rad for Max WLL (m)	Min Rad. (m)	WLL at Min Rad. (T)	1 FALL																		Max Rad. (m)	WLL at Max Rad. (T)
				Radius (metres) & Capacity (tonnes)																			
				8.9	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	89.0		
91.8	16.7	8.9	50.0	50.0	50.0	50.0	47.0	42.6	38.6	34.9	31.5	28.2	25.1	22.0	19.1	16.5	13.9	11.5	9.0	6.5	4.3	89.0	4.3
87.2	24.4	8.5	50.0	50.0	50.0	50.0	49.7	45.3	41.1	37.2	33.7	30.2	26.9	23.9	20.9	18.1	15.3	12.4	9.1	-	-	85.5	9.1
82.6	32.0	8.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.6	43.5	39.7	35.9	33.0	29.0	25.8	22.6	20.0	16.0	-	-	80.0	16.0
78.0	40.0	7.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.9	41.8	38.0	34.3	30.7	26.9	22.6	-	-	-	75.0	22.6
73.4	48.0	7.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.0	42.2	37.0	32.5	28.5	-	-	-	-	71.0	28.0
68.8	49.5	7.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.0	42.8	37.5	33.0	-	-	-	-	-	67.0	31.5
64.2	50.0	6.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	43.0	38.0	-	-	-	-	-	-	62.5	36.0
55.0	50.5	6.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-	54.0	46.0
45.8	45.0	5.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-	45.0	50.0
36.6	36.0	4.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-	-	-	36.0	50.0
32.0	31.5	4.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-	-	-	-	-	31.5	50.0

Boom Length (m)	Max Rad for Max WLL (m)	Min Rad. (m)	WLL at Min Rad. (T)	2 FALL																		Max Rad. (m)	WLL at Max Rad. (T)
				Radius (metres) & Capacity (tonnes)																			
				8.9	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	89.0		
91.8	-	8.9	55.0	55.0	54.5	52.0	49.5	46.7	42.9	38.4	34.2	30.0	26.2	22.5	19.0	15.8	12.8	9.9	7.1	4.3	1.8	89.0	1.8
87.2	-	8.5	66.1	65.9	65.2	61.9	58.6	55.3	51.6	46.3	41.5	37.0	32.8	28.7	24.9	21.3	17.9	14.5	11.2	7.4	-	85.0	7.4
82.6	-	8.2	74.9	74.6	74.0	71.1	68.2	65.0	60.6	54.8	49.6	44.7	40.0	35.5	31.2	26.8	23.0	19.0	14.9	-	-	80.0	14.9
78.0	-	7.8	86.5	85.9	85.3	82.4	79.5	75.5	70.0	63.9	57.9	50.5	43.5	37.3	32.0	27.5	23.8	20.5	-	-	-	75.0	20.5
73.4	-	7.4	99.6	98.8	98.1	94.8	91.5	87.0	80.3	72.4	61.0	52.0	44.5	38.3	33.0	29.0	25.0	-	-	-	-	71.0	24.3
68.8	23.9	7.1	100.0	100.0	100.0	100.0	100.0	98.5	89.0	73.5	61.5	52.5	45.5	39.0	34.0	29.5	-	-	-	-	-	67.0	28.0
64.2	27.6	6.7	100.0	100.0	100.0	100.0	100.0	100.0	90.5	75.0	63.0	54.0	47.0	41.0	36.0	-	-	-	-	-	-	62.5	33.5
55.0	27.9	6.0	100.0	100.0	100.0	100.0	100.0	100.0	91.5	76.0	64.5	55.5	48.5	-	-	-	-	-	-	-	-	54.0	43.5
45.8	28.2	5.3	100.0	100.0	100.0	100.0	100.0	100.0	93.0	77.5	66.0	57.0	-	-	-	-	-	-	-	-	-	45.0	57.0
36.6	28.4	4.6	100.0	100.0	100.0	100.0	100.0	100.0	94.0	78.5	-	-	-	-	-	-	-	-	-	-	-	36.0	76.0
32.0	28.5	4.2	100.0	100.0	100.0	100.0	100.0	100.0	94.5	-	-	-	-	-	-	-	-	-	-	-	-	31.5	89.0

Boom Length (m)	Max Rad for Max WLL (m)	Min Rad. (m)	WLL at Min Rad. (T)	4 FALL														Max Rad. (m)	WLL at Max Rad. (T)	
				Radius (metres) & Capacity (tonnes)																
				8.9	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0		
78.0	-	7.8	85.0	84.5	84.0	81.5	79.0	76.5	73.0	66.5	55.0	45.5	38.0	32.0	27.0	22.6	19.0	16.5	75.0	16.5
73.4	-	7.4	100.3	99.4	98.8	95.8	92.8	89.8	82.5	67.5	56.0	47.0	39.5	33.0	28.0	24.0	20.5	-	71.0	20.0
68.8	-	7.1	116.4	115.2	114.5	111.0	107.5	100.0	84.0	68.5	57.0	48.0	40.5	34.0	29.0	25.0	-	-	67.0	23.7
64.2	-	6.7	141.1	137.7	136.0	128.0	120.0	106.5	86.0	70.0	58.0	49.0	41.5	35.5	30.5	-	-	-	62.5	28.5
55.0	-	6.0	182.6	178.7	177.2	165.0	142.0	109.5	88.0	72.5	61.0	51.9	44.8	-	-	-	-	-	54.0	40.4
45.8	15.0	5.3	200.0	200.0	200.0	200.0	144.0	111.0	89.5	74.0	62.5	54.0	-	-	-	-	-	-	45.0	54.0
36.6	15.0	4.6	200.0	200.0	200.0	200.0	145.0	112.5	90.5	75.0	-	-	-	-	-	-	-	-	36.0	72.5
32.0	15.0	4.2	200.0	200.0	200.0	200.0	145.5	113.0	91.5	-	-	-	-	-	-	-	-	-	31.5	86.5