

MARR

FVELLE
FAVCO



M2480D

TECHNICAL DATA SHEET

M2480D HEAVY DUTY TOWER CRANE

TYPICAL LOADS	
LOAD	RADIUS
20.6T	91.3m
32.8T	80.0m
55.0T	63.4m
110.0T	38.5m
165.0T	27.5m
220.0T	21.3m
330.0T	14.4m

MAXIMUM ALLOWABLE SERVICE WIND
SPEED OF 20 m/s



COMPATIBLE WITH
100% RENEWABLE
DIESEL (HVO100)



M2480D RADIUS & CAPACITY MAIN HOIST (NO SUPER FLY ASSEMBLY INSTALLED)

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)																						
				10.0	15.0	20.0	25.0	27.5	30.0	35.0	40.0	45.0	50.0	55.0	60.0	62.5	65.0	70.0	72.5	75.0	80.0	85.0	90.0			
92.7	53.9	9.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.9	48.9	46.6	44.3	39.2	36.7	34.3	30.0	26.3	22.2	91.3	20.6
83.4	59.6	9.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.4	50.9	47.7	42.0	39.5	37.1	32.8	-	-	-	82.3	31.0
74.1	61.5	8.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.7	50.5	44.8	42.2	-	-	-	-	-	73.3	41.4
64.8	63.4	7.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	-	-	-	-	-	-	-	-	64.3	54.1
55.5	55.3	7.2	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	-	-	-	-	-	-	-	-	-	-	55.3	55.0
46.2	46.3	6.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	-	-	-	-	-	-	-	-	-	-	-	-	46.3	55.0
36.9	37.4	5.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.4	55.0
27.6	28.4	5.3	55.0	55.0	55.0	55.0	55.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.4	55.0

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)																					
				10.0	15.0	20.0	25.0	27.5	30.0	35.0	40.0	45.0	50.0	55.0	60.0	62.5	65.0	70.0	72.5	75.0	80.0	85.0	90.0		
92.7	9.5	9.5	110.0	109.7	103.3	96.0	89.2	86.2	83.3	78.0	73.1	68.4	61.9	55.1	47.4	44.0	40.8	35.2	32.7	30.4	26.3	22.7	19.6	90.6	19.3
83.4	33.7	8.8	110.0	110.0	110.0	110.0	110.0	110.0	110.0	108.2	93.9	79.5	68.0	58.6	50.8	47.4	44.2	38.6	36.1	33.8	29.7	-	-	81.6	28.6
74.1	36.4	8.2	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	97.1	82.6	71.1	61.6	53.8	50.4	47.2	41.7	39.2	-	-	-	-	72.6	39.1
64.8	37.1	7.5	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	100.1	85.6	74.0	64.5	56.7	53.3	-	-	-	-	-	-	-	63.6	51.9
55.5	37.9	6.9	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	102.9	88.3	76.7	-	-	-	-	-	-	-	-	-	-	54.6	66.5
46.2	38.6	6.2	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	105.4	89.0	-	-	-	-	-	-	-	-	-	-	-	45.7	83.6
36.9	36.4	5.6	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	-	-	-	-	-	-	-	-	-	-	-	-	-	36.7	107.3
27.6	27.7	4.9	110.0	110.0	110.0	110.0	110.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.7	110.0

Boom Length (m)	Max Rad. for Max WLL (m)	Min Rad. (m)	WLL at Min Rad. (T)	3 FALL																		Max Rad. (m)	WLL at Max Rad. (T)		
				Radius (metres) & Capacity (tonnes)																					
				10.0	15.0	20.0	25.0	27.5	30.0	35.0	40.0	45.0	50.0	55.0	60.0	62.5	65.0	70.0	72.5	75.0	80.0	85.0	90.0		
92.7	-	9.2	113.9	112.7	105.7	97.8	90.5	87.3	84.2	78.6	73.4	68.7	62.1	52.8	45.1	41.8	38.7	33.2	30.7	28.4	24.4	20.9	18.0	90.7	17.7
83.4	-	8.6	161.7	158.4	147.5	136.1	126.2	121.8	117.7	109.8	91.3	76.9	65.5	56.1	48.4	45.0	41.9	36.4	34.0	31.8	27.8	-	-	81.7	26.7
74.1	25.9	7.9	165.0	165.0	165.0	165.0	165.0	153.8	138.0	113.2	94.6	80.2	68.7	59.4	51.6	48.3	45.2	39.8	37.4	-	-	-	-	72.7	37.3
64.8	26.4	7.3	165.0	165.0	165.0	165.0	165.0	157.1	141.3	116.4	97.8	83.3	71.8	62.5	54.8	51.5	-	-	-	-	-	-	-	63.7	50.0
55.5	26.8	6.6	165.0	165.0	165.0	165.0	160.3	144.4	119.4	100.8	86.3	74.8	-	-	-	-	-	-	-	-	-	-	-	54.7	64.1
46.2	27.2	6.0	165.0	165.0	165.0	165.0	162.9	147.3	122.3	103.6	86.8	-	-	-	-	-	-	-	-	-	-	-	-	45.8	80.9
36.9	27.5	5.3	165.0	165.0	165.0	165.0	165.0	149.6	123.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.8	103.9
27.6	26.3	4.7	165.0	165.0	165.0	165.0	144.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8	137.3

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)																					
				10.0	15.0	17.5	20.0	25.0	27.5	30.0	32.5	35.0	40.0	42.5	45.0	50.0	55.0	60.0	62.5	65.0	67.5	70.0	72.5		
74.1	9.4	7.9	220.0	218.0	201.3	192.8	185.1	170.2	151.2	135.4	122.1	110.7	92.1	84.5	77.8	66.4	57.1	49.4	46.1	43.1	40.3	37.8	35.6	72.7	35.4
64.8	20.4	7.3	220.0	220.0	220.0	220.0	220.0	173.7	154.7	138.9	125.5	114.0	95.5	87.8	81.1	69.6	60.4	52.8	49.6	-	-	-	-	63.7	48.2
55.5	20.6	6.6	220.0	220.0	220.0	220.0	220.0	177.0	158.0	142.2	128.7	117.3	98.7	91.0	84.3	72.9	-	-	-	-	-	-	-	54.7	62.2
46.2	20.9	6.0	220.0	220.0	220.0	220.0	220.0	179.7	161.0	145.2	131.8	120.3	101.7	94.1	84.6	-	-	-	-	-	-	-	-	45.8	78.8
36.9	21.1	5.3	220.0	220.0	220.0	220.0	220.0	182.1	163.4	147.9	134.5	120.7	-	-	-	-	-	-	-	-	-	-	-	36.8	101.7
27.6	21.3	4.7	220.0	220.0	220.0	220.0	220.0	183.5	141.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8	134.5

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M2480D RADIUS & CAPACITY MAIN HOIST (NO SUPER FLY ASSEMBLY INSTALLED)

Boom Length (m)	Max Rad. for Max WLL (m)	Min Rad. (m)	WLL at Min Rad. (T)	5 FALL																				Max Rad. (m)	WLL at Max Rad. (T)
				Radius (metres) & Capacity (tonnes)																					
				7.5	10.0	12.5	15.0	20.0	22.5	25.0	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	55.0	57.5	60.0	62.5		
64.8	-	7.3	269.6	269.1	262.5	256.7	252.2	223.1	194.7	171.5	136.7	123.3	111.9	102.0	93.4	85.8	79.0	73.0	67.7	58.5	54.6	51.1	48.0	63.7	46.6
55.5	16.8	6.6	275.0	275.0	275.0	275.0	226.3	197.9	175.0	140.1	126.7	115.3	105.4	96.7	89.1	82.4	76.5	71.1	-	-	-	-	-	54.7	60.6
46.2	16.9	6.0	275.0	275.0	275.0	275.0	229.3	200.8	178.0	143.3	129.9	118.5	108.6	99.9	92.4	82.9	-	-	-	-	-	-	-	45.8	77.2
36.9	17.1	5.3	275.0	275.0	275.0	275.0	231.9	203.3	180.5	146.2	132.8	118.6	-	-	-	-	-	-	-	-	-	-	-	36.8	99.9
27.6	17.3	4.7	275.0	275.0	275.0	275.0	235.2	206.5	180.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8	132.4

Boom Length (m)	Max Rad. for Max WLL (m)	Min Rad. (m)	WLL at Min Rad. (T)	6 FALL																				Max Rad. (m)	WLL at Max Rad. (T)
				Radius (metres) & Capacity (tonnes)																					
				7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5			
55.5	-	6.6	307.1	303.9	295.5	288.8	283.5	261.5	224.9	196.4	173.4	154.3	138.5	125.1	113.7	103.8	95.2	87.7	81.0	75.1	69.8	65.2	-	54.7	59.4
46.2	10.5	6.0	330.0	330.0	330.0	324.5	313.5	264.6	227.9	199.4	176.6	157.7	141.8	128.5	117.0	107.2	98.6	91.2	81.7	-	-	-	-	45.8	76.0
36.9	14.4	5.3	330.0	330.0	330.0	330.0	316.4	267.4	230.6	202.1	179.3	160.7	144.9	131.6	117.2	-	-	-	-	-	-	-	-	36.8	98.6
27.6	14.5	4.7	330.0	330.0	330.0	330.0	320.0	270.9	234.1	205.5	178.8	137.5	-	-	-	-	-	-	-	-	-	-	-	27.8	131.0

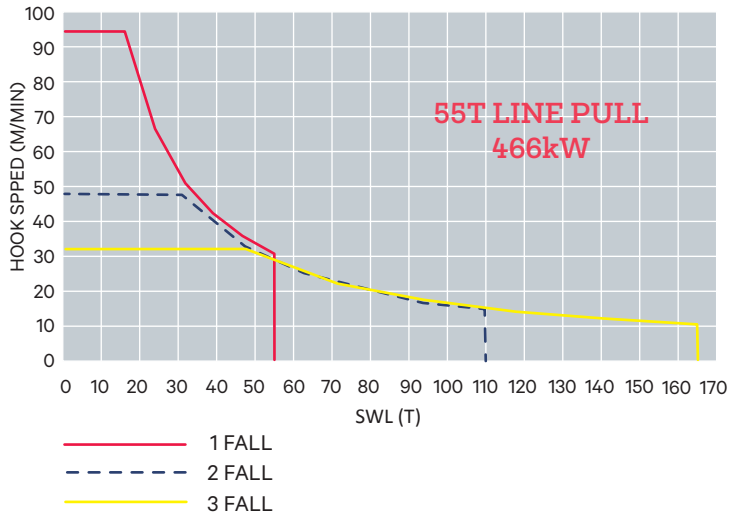


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M2480D SPEEDS

HOIST SPEED

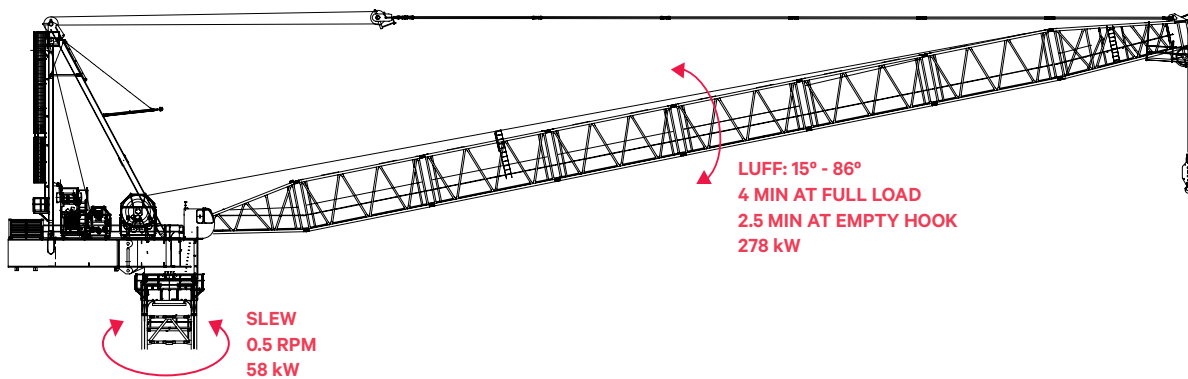
MAIN HOIST SPEEDS



1 FALL		2 FALL		3 FALL	
LOAD (T)	SPEED (m/min)	LOAD (T)	SPEED (m/min)	LOAD (T)	SPEED (m/min)
16.2	94.9	31.4	47.4	47.3	31.6
24.0	66.1	47.0	33.0	71.0	21.8
32.0	50.5	63.0	25.1	94.0	16.8
39.0	41.9	79.0	20.3	118.0	13.5
47.0	35.0	94.0	17.2	141.0	11.4
55.0	30.1	110.0	14.8	165.0	9.8



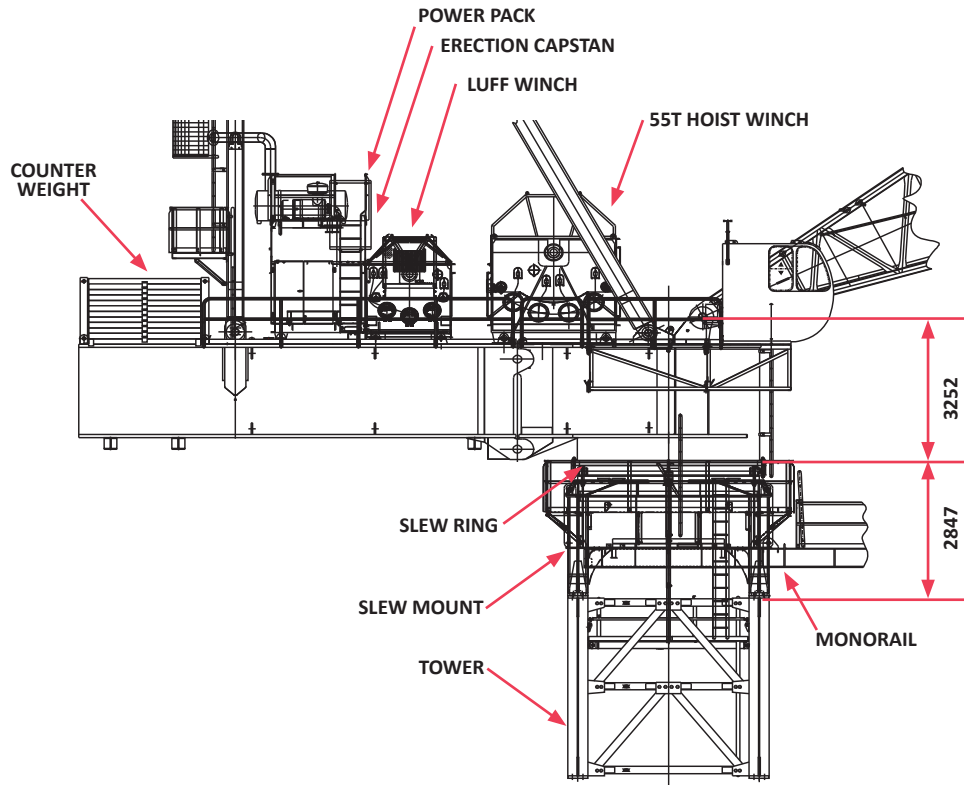
LUFF & SLEW SPEEDS





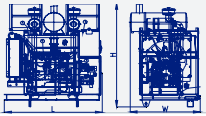
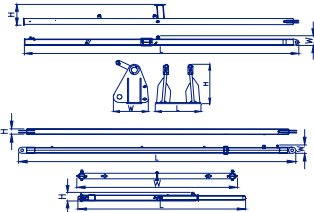
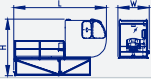
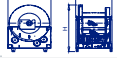
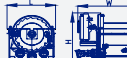




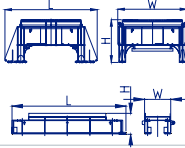



M2480D GENERAL DIMENSIONS

MACHINERY DECK ASSEMBLY (FOR REFERENCE ONLY)

M2480D



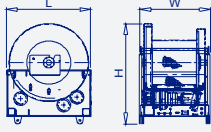
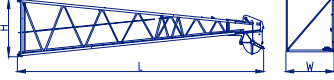
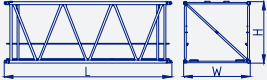
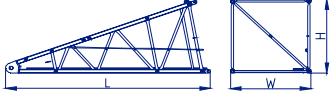
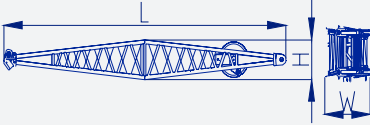
M2480D TRANSPORTATION & ERECTION (Indicative for information only*)

ITEM	QTY	DESCRIPTION		LENGTH L (mm)	HEIGHT H (mm)	WIDTH W (mm)	WEIGHT PER ITEM (kg)
1	1	SPLIT DECK-FRONT (INC. SLEW DRIVE, PINS & HANDRAILS)		5242	3472	4050	30597
2	1	SPLIT DECK-REAR		9030	3091	4082	27622
3	1	POWERPACK (INC. 1400L OF OIL)		4124	3740	2208	8538
4	2	FRONT LEG		16307	665	1516	6508EA
	1	HEAD (INC. SHAVES)		1279	1813	1720	3172
	2	BACK LEG		14960	462	357	3363EA
	2	BUFFER		4900	250	3800	510
	MAST ASSEMBLY (INC. SHEAVES, HEAD PIN, LADDERS,BUFFER AND PLATFORMS)						
5	1	CABIN & PLATFORM ASSEMBLY		4934	3310	2071	1763
6	1	HOIST WINCH ASSY (EMPTY DRUM) (800m WINCH CAPACITY)		2646	3337	2580	16371
7	1	LUFF WINCH ASSY (EMPTY DRUM)		1850	2383	2479	5928
8	1	BOOM BOTTOM 9.1m		9622	3722	3782	4290
9	1	BOOM TOP 9.2m (INC. DEFLECTOR, SHEAVES & PINS) (PENDANT & PLATFORM)		10414	4047	3782	9900
10	8	BOOM EXTENSION 9.3m AND PENDANT BARS (BRIDLE PLATFORM 400kg)		9493	3951	3782	4794 (5194)
14	1	BRIDLE		2735	1455	1438	2858
15	1	SLEW MOUNT (INC. PLATFORMS 850Kg)		5500	2639	4142	18559
	1	SLEW RING(INC. BOLTS)		3853 DIA	232		6552
	1	MONORAIL (INDICATIVE ONLY)		3440	648	794	1711
	Total						
16	1	EXTERNAL CLIMBER (INDICATIVE ONLY)		1180	1200	4000	34040
17	1	MONORAIL (INDICATIVE ONLY)		7318	2084	1008	3396
18	13	COUNTERWEIGHT - BELOW DECK		2236	140	3400	7904EA
	12	COUNTERWEIGHT - ABOVE DECK		2460		4108	8528EA
							198T
19	1	HOOK - 3/2 FALL (165/110T)		3250	470	1400	4680
20		TOWER SECTION (INC. LADDER, HAND RAIL, PLATFORM)		4300	4000	4000	18500
21	1	HOIST ROPE (Ø54mm) @ 14.15kg/m		600m			8830
22	1	LUFF ROPE (Ø42mm) @ 8.38 kg/m		400m			3486

*WEIGHTS CAN VARY BY INDIVIDUAL CRANE. PLEASE CONTACT US FOR FURTHER INFORMATION.

Due to continuing product development Favelle Favco reserves the right to alter specifications of its products as appropriate.

M2480D TRANSPORTATION & ERECTION (Indicative for information only*)

ITEM	QTY	DESCRIPTION		LENGTH L (mm)	HEIGHT H (mm)	WIDTH W (mm)	WEIGHT PER ITEM (kg)
23	1	FLY HOIST WINCH ASSY (EMPTY DRUM) (800 m WINCH CAPACITY)		2460	2873	2461	11128
24	1	9.1m FLY BOOM TOP		9657	2416	2416	2402
25	1	11.8 m FLY BOOM EXTENSION		11916	2416	2416	1826
26	1	9.1 m FLY BOOM EXTENSION		9261	2370	2416	1864
27	1	FLY BOOM MAST		7762	902	983	1003
28	1	FLY BOOM BACKSTAY		2527	90	90	80
29	1	FLY BOOM BUFFER		3525	90	2390	152
30	1	FRONT & REAR PENDANT ASSEMBLY					598
31	1	FLY HOIST ROPE (36mm) @ 6.62 kg/m		600M			5296

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