



M630D

TECHNICAL DATA SHEET

M630D
TOWER CRANE

TYPICAL LOADS	
LOAD	RADIUS
4.7T	71.5m
9.0T	60.0m
25.0T	17.5m
50.0T	12.5m
MAXIMUM ALLOWABLE SERVICE WIND SPEED OF 20 m/s	



COMPATIBLE WITH
100% RENEWABLE
DIESEL (HVO100)



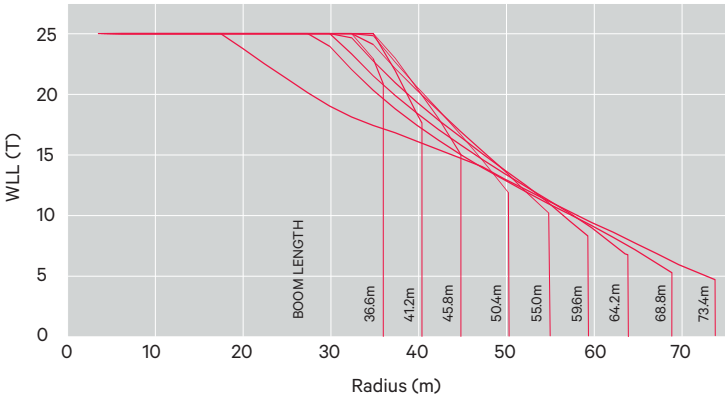
M630D RADIUS & CAPACITY (METRIC UNITS)

Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	1 FALL																				Max Rad.	WLL at Max Rad.
				Radius (metres) & Capacity (tonnes)																					
				7.5	10.0	15.0	20.0	25.0	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	65.0	70.0		
(m)	(m)	(m)	(T)																				(m)	(T)	
73.4	17.5	6.1	25.0	25.0	25.0	25.0	23.8	21.3	19.0	18.1	17.4	16.8	16.1	15.4	14.7	14.0	13.0	12.1	11.2	10.3	9.4	7.7	5.9	71.7	5.1
68.8	27.5	5.8	25.0	25.0	25.0	25.0	25.0	25.0	23.9	22.0	20.3	18.8	17.4	16.2	15.0	13.9	12.9	11.9	11.0	10.1	9.1	7.1	-	67.2	6.1
64.2	30.0	5.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.3	21.5	19.9	18.4	17.1	15.8	14.6	13.5	12.4	11.3	10.2	9.0	-	-	62.8	7.5
59.6	30.0	5.2	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.6	22.7	20.9	19.3	17.8	16.4	15.1	13.8	12.5	11.1	9.5	-	-	-	58.4	9.0
55.0	32.5	4.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.1	22.1	20.3	18.6	16.9	15.3	13.7	11.9	-	-	-	-	-	53.9	10.8
50.4	32.5	4.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.8	22.6	20.6	18.7	16.7	14.6	-	-	-	-	-	-	-	49.5	12.7
45.8	35.0	4.2	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.0	20.5	18.0	-	-	-	-	-	-	-	-	-	45.0	15.0
41.2	35.0	3.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	21.9	18.4	-	-	-	-	-	-	-	-	-	-	40.6	17.6
36.6	32.5	3.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	22.9	-	-	-	-	-	-	-	-	-	-	-	-	36.1	20.8

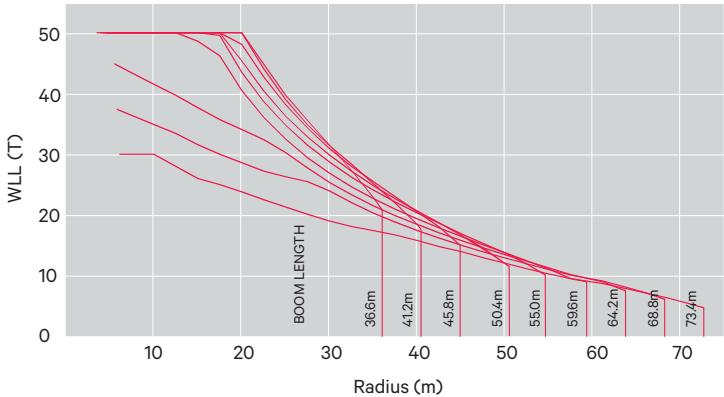
Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	2 FALL																				Max Rad.	WLL at Max Rad.
				Radius (metres) & Capacity (tonnes)																					
				7.5	10.0	15.0	20.0	25.0	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	65.0	70.0		
(m)	(m)	(m)	(T)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(T)	(T)
73.4	-	6.1	30.0	30.0	30.0	26.0	23.8	21.3	19.0	18.1	17.4	16.7	15.8	14.8	13.9	12.9	12.0	11.1	10.3	9.5	8.7	7.1	5.3	71.5	4.7
68.8	-	5.8	37.4	36.4	34.9	31.6	28.6	26.3	23.9	22.0	20.3	18.8	17.4	16.2	15.0	13.9	12.9	11.9	11.0	10.1	9.1	7.1	-	67.1	6.1
64.2	-	5.5	44.9	43.4	41.5	37.7	34.1	30.3	25.4	23.3	21.5	19.9	18.4	17.1	15.8	14.6	13.5	12.4	11.3	10.2	9.0	-	-	62.7	7.5
59.6	12.5	5.2	50.0	50.0	50.0	48.6	40.5	32.5	26.9	24.6	22.7	20.9	19.3	17.8	16.4	15.1	13.8	12.5	11.1	9.5	-	-	-	58.2	9.0
55.0	15.0	4.6	50.0	50.0	50.0	50.0	43.5	34.8	28.7	26.2	24.1	22.1	20.3	18.6	16.9	15.3	13.7	11.9	-	-	-	-	-	53.8	10.8
50.4	17.5	4.5	50.0	50.0	50.0	50.0	45.4	36.3	29.9	27.2	24.8	22.6	20.6	18.7	16.7	14.6	-	-	-	-	-	-	-	49.3	12.7
45.8	17.5	4.2	50.0	50.0	50.0	50.0	48.1	38.2	30.9	28.0	25.5	23.0	20.5	18.0	-	-	-	-	-	-	-	-	-	44.9	15.0
41.2	20.0	3.9	50.0	50.0	50.0	50.0	50.0	39.0	31.4	28.3	25.1	21.9	18.4	-	-	-	-	-	-	-	-	-	-	40.4	17.6
36.6	20.0	3.5	50.0	50.0	50.0	50.0	50.0	39.7	31.5	27.3	22.9	-	-	-	-	-	-	-	-	-	-	-	-	36.0	20.8

LOAD CHARTS

1 FALL

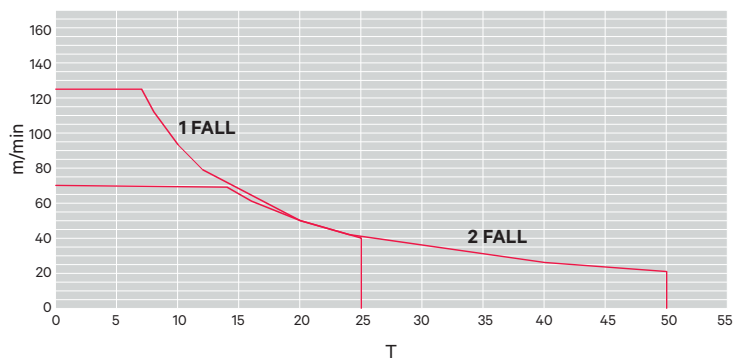


2 FALL



M630D HOIST SPEEDS (METRIC UNITS)

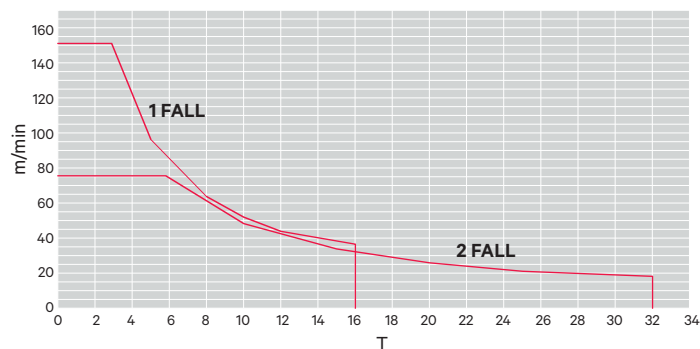
260kW 25T WINCH



1 FALL	
LOAD (T)	SPEED (m/min)
7	125
8	112
10	93
12	79
20	50
25	40

2 FALLS	
LOAD (T)	SPEED (m/min)
14	69
16	61
20	50
24	42
40	26
50	21

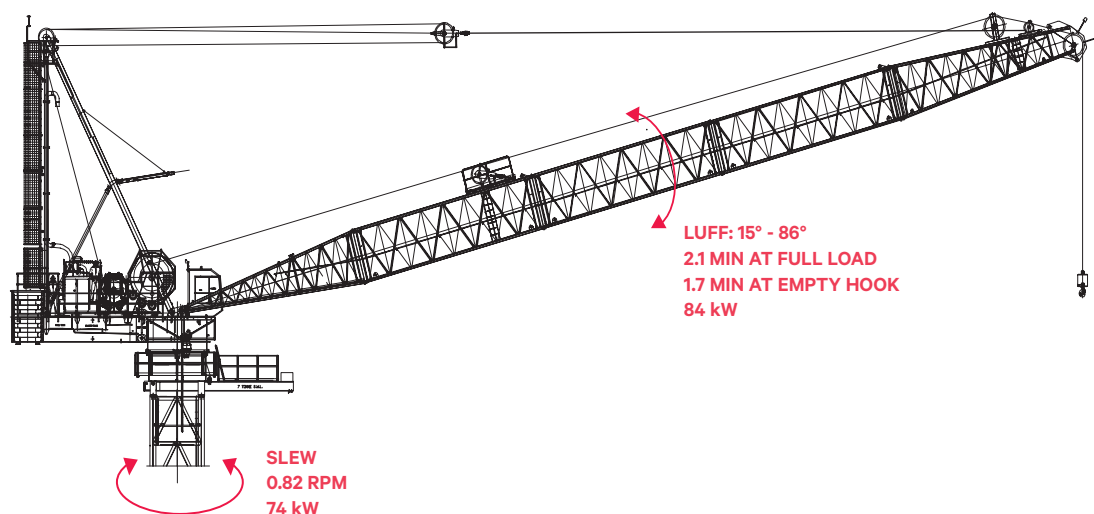
158kW 16T WINCH



1 FALL	
LOAD (T)	SPEED (m/min)
2.9	151.2
5	96.3
8	63.8
10	52.1
12	44
16	36.6

2 FALLS	
LOAD (T)	SPEED (m/min)
5.8	76
10	48
15	34
20	26
25	21
32	18

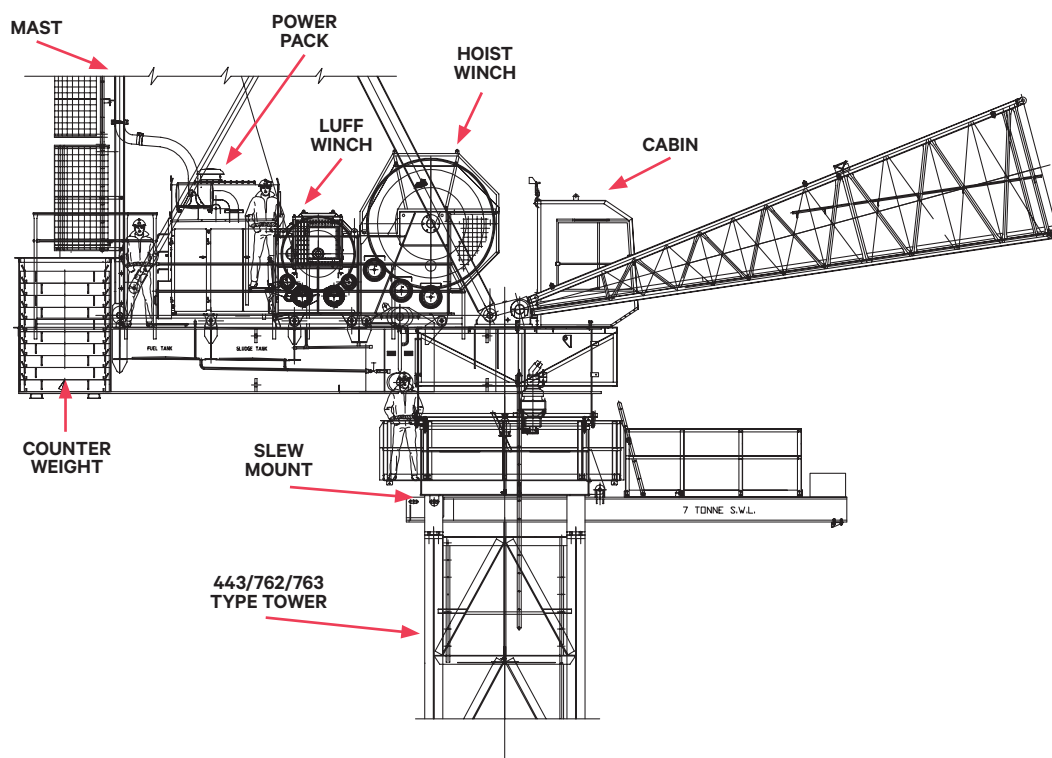
LUFF & SLEW SPEEDS



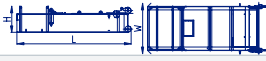
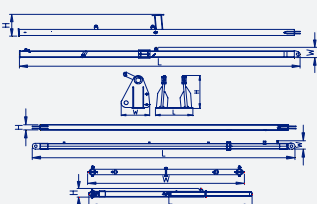
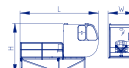
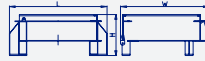
M630D GENERAL DIMENSIONS

MACHINERY DECK ASSEMBLY

M630D



M630D 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 (INCL. SLEW DRIVE, PINS & HANDRAILS)		3370	1970	3350	7900
2	1	SPLIT DECK-REAR (INCL. PLATFORMS & HANDRAILS)		6500	1430	3340	8700
3	2	MAST FRONT LEG		12685	520	490	1564
	1	MAST HEAD		1118	1171	904	792
	2	MAST BACK LEG		11569	247	439	512
	1	BUFFER		3596	216	2835	373
	MAST ASSEMBLY (INC. SHEAVES, HEAD PIN, LADDERS,BUFFER AND PLATFORMS)						7766
4	1	CABIN & PLATFORM ASSEMBLY		4600	2656	1965	2200
5	1	16T POWER PACK HOIST AND LUFF ASSY (NO ROPE) 3438 2955 2622 7710 (INCL 900kg OF OIL)		3438	2955	2622	7710
6	1	MAIN HOIST WINCH ASSY (EMPTY DRUM) (600m ROPE CAPACITY)		1800	2050	1990	6710
7	1	BOOM BOTTOM 13.7m (INC. WALKWAY & PINS)		13913	2416	3052	2530
8	1	BOOM TOP 13.7m (Without Fly) (INC. DEFLECTOR, SHEAVES & PINS) (PENDANT & PLATFORM)		14455	3806	2416	3030
9	5	BOOM EXTENSION 9.2m (BRIDLE PLATFORM 203 kg)		9316	2589	2416	1473 (1743)
10	1	BRIDLE		1765	1095	1160	596
11	1	SLEW MOUNT (INCL. PLATFORMS 556Kg)		3512	1817	3310	5610
	1	SLEW RING (INCL. BOLTS)		3100 DIA	175		2301
	Total						82274
12	1	EXTERNAL CLIMBER		TBA	TBA	TBA	TBA
13	1	MONORAIL		7870	1065	650	3184
14	7	COUNTERWEIGHT		3100	2100	1410	7300
15	1	HOOK - 2/1 FALL (50/25T)		2284	400	1170	1390
16	1	TOWER SECTION 443 (INC.LADDER,HAND RAIL,PLATFORM)		2727	2711	4000	5800
17	1	TOWER SECTION 762 (INC.LADDER,HAND RAIL,PLATFORM)		2721	2709	4000	4700
18	1	TOWER SECTION 763 (INC.LADDER,HAND RAIL,PLATFORM)		3027	3011	4006	7500
19	1	HOIST ROPE 25T (36mm) @ 6.5kg/m		600m			4056
21	1	LUFF ROPE (32mm) @ 4.9kg/m		170m			870
22	1	PENDANT ROPE (45mm) @ 9.7kg/m		108m			1090

*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.