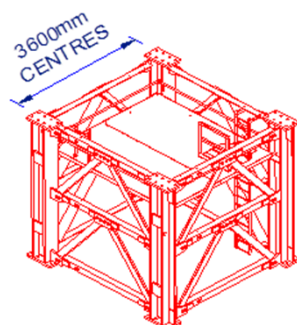
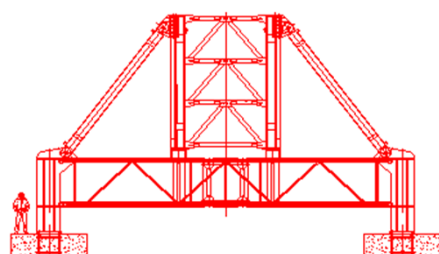


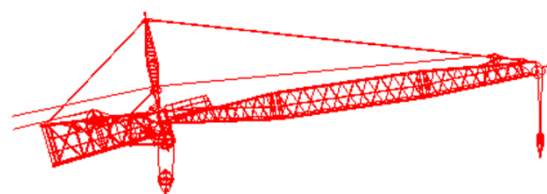
FREE STANDING HEIGHT - UP TO 76m (19 TOWERS)

M2480D HEAVY DUTY TOWER CRANE



TYPICAL LOADS	
LOAD	RADIUS
330T	14.4m
220T	21.3m
165T	27.5m
110T	38.5m
55.0T	63.4m
32.8T	80.0m
20.6T	91.3m
WITH FLY	
25.0T	95.0m
23.2T	100.0m
12.0T	120.2m

Technical Data Sheet



25/50T SWL SUPER FLY

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)																					
(m)	(m)	(m)	(T)	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	(m)	(T)
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	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	55.0																28.4	55.0

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)																						
(m)	(m)	(m)	(T)	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	(m)	(T)	
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	110.0																	27.7	110.0

Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	3 FALL																				Max Rad.	WLL at Max Rad
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	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	(m)	(T)
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	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	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	165.0	149.6	123.3														36.8	103.9
27.6	26.3	4.7	165.0	165.0	165.0	165.0	165.0	144.1																27.8	137.3

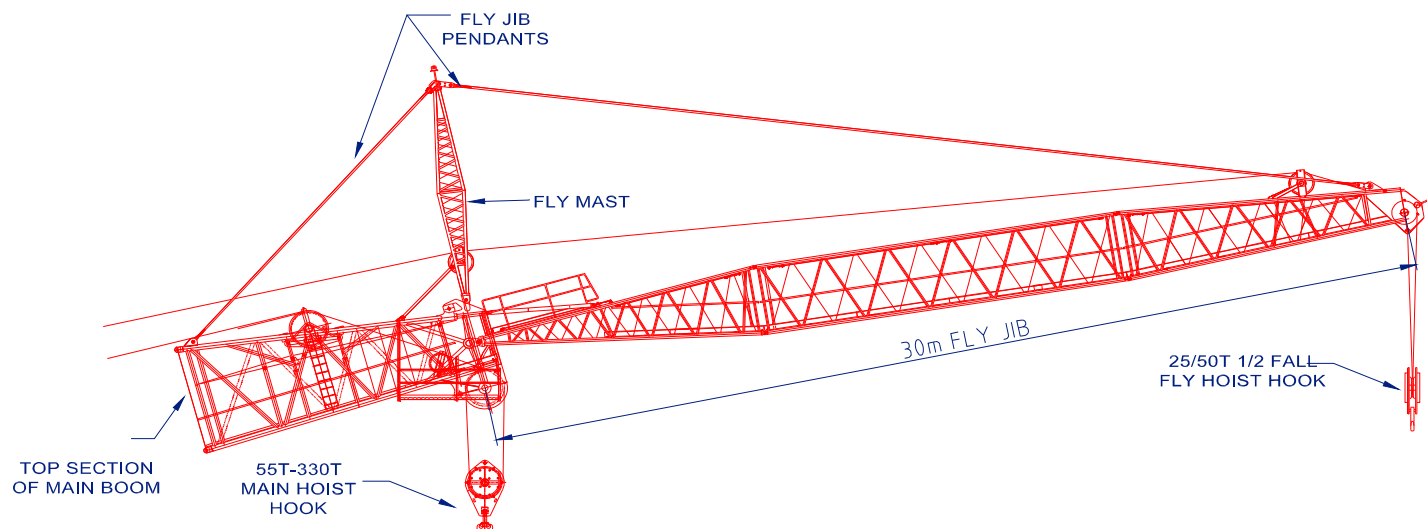
Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	4 FALL																				Max Rad.	WLL at Max Rad.
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	10.0	15.0	17.5	20.0	25.0	27.5	30.0	32.5	35.0	40.0	42.5	45.0	50.0	55.0	60.0	62.5	65.0	67.5	70.0	72.5	(m)	(T)
74.1	9.4	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

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


Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	4 FALL																				Max Rad.	WLL at Max Rad.
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	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	(m)	(T)
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	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	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	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	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	183.5	141.2																27.8	134.5

Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	5 FALL																			Max Rad.	WLL at Max Rad.	
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	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	(m)	(T)
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	85.5	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	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	6 FALL																			Max Rad.	WLL at Max Rad.	
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	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		(m)	(T)
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

M2480D GENERAL ARRANGEMENT OF SUPPLY FLY ASSEMBLY


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)																					
(m)	(m)	(m)	(T)	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	(m)	(T)
92.7	52.5	9.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.8	46.6	43.0	39.7	33.8	31.1	28.7	24.2	20.3	16.9	91.3	16.1
83.4	55.0	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	48.8	45.2	41.9	35.9	33.3	30.8	26.3	-	-	82.3	24.4
74.1	55.0	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	50.9	47.3	43.9	37.9	35.2	-	-	-	-	73.3	34.4
64.8	57.5	7.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	52.7	49.0	-	-	-	-	-	-	-	64.4	46.4
55.5	55.4	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	-	-	-	-	-	-	-	-	-	55.4	55.0

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)																					
(m)	(m)	(m)	(T)	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	(m)	(T)
92.7	-	9.4	107.8	107.5	101.2	94.1	87.4	84.5	81.6	76.4	71.6	67.0	59.4	49.6	41.5	37.9	34.6	28.8	26.2	23.8	19.5	15.7	12.5	90.6	12.1
83.4	32.5	8.8	110.0	110.0	110.0	110.0	110.0	110.0	110.0	109.8	90.3	75.2	63.2	53.3	45.2	41.6	38.3	32.5	29.9	27.4	23.2	-	-	81.7	21.9
74.1	35.0	8.1	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	92.8	77.6	65.5	55.6	47.4	43.8	40.5	34.7	32.1	-	-	-	-	72.7	32.0
64.8	35.0	7.5	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	95.0	79.8	67.6	57.7	49.4	45.8	-	-	-	-	-	-	-	63.7	44.3
55.5	35.0	6.8	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	96.9	81.6	69.3	-	-	-	-	-	-	-	-	-	-	54.7	59.9

Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	3 FALL																				Max Rad.	WLL at Max Rad.
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	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	(m)	(T)
92.7	-	9.2	111.7	110.4	103.6	95.8	88.7	85.6	82.5	77.0	71.9	68.5	56.6	46.9	38.9	35.4	32.1	26.4	23.8	21.5	17.2	13.6	10.6	90.7	10.2
83.4	-	8.5	158.5	155.2	144.6	133.4	123.7	119.4	115.3	105.6	86.3	71.3	59.3	49.5	41.4	37.9	34.7	28.9	26.4	24.0	19.9	-	-	81.8	18.7
74.1	25.0	7.9	165.0	165.0	165.0	165.0	165.0	152.3	135.7	109.7	90.3	75.2	63.1	53.3	45.2	41.7	38.5	32.8	30.4	-	-	-	-	72.8	30.1
64.8	25.0	7.2	165.0	165.0	165.0	165.0	165.0	155.0	138.4	112.2	92.7	77.5	65.4	55.6	47.5	44.1	-	-	-	-	-	-	-	63.8	42.4
55.5	25.0	6.6	165.0	165.0	165.0	165.0	165.0	157.3	140.6	114.4	94.8	79.6	67.4	-	-	-	-	-	-	-	-	-	-	54.8	58.0

Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	4 FALL																				Max Rad.	WLL at Max Rad.	
				Radius(metres) & Capacity (tonnes)																						
(m)	(m)	(m)	(T)	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	(m)	(T)	
74.1	-	7.9	215.6	213.6	197.3	188.9	181.4	166.9	147.1	130.5	116.5	104.5	85.1	77.1	70.0	58.1	48.3	40.3	36.8	33.6	30.7	28.1	25.8	72.8	25.6	
64.8	20.0	7.2	220.0	220.0	220.0	220.0	220.0	172.5	152.6	136.0	121.9	109.9	90.4	82.4	75.3	63.3	53.6	45.6	42.2	-	-	-	-	-	63.8	40.6
55.5	20.0	6.6	220.0	220.0	220.0	220.0	220.0	175.1	155.1	138.4	124.3	112.2	92.7	84.6	77.5	65.5	-	-	-	-	-	-	-	-	54.8	56.3

Boom	Max Rad.	Min	WLL at	5 FALL																				Max	WLL at
Length	for Max WLL	Rad.	Min Rad.	Radius(metres) & Capacity (tonnes)																				Rad.	Max Rad.
(m)	(m)	(m)	(T)	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	(m)	(T)
64.8	-	7.2	264.2	263.7	257.3	251.6	247.2	218.6	193.3	168.9	132.4	118.3	106.3	95.9	86.9	78.9	71.8	65.5	59.9	50.3	46.1	42.4	39.1	63.8	37.6
55.5	15.0	6.6	275.0	275.0	275.0	275.0	275.0	228.2	197.5	173.1	136.4	122.3	110.2	99.8	90.7	82.7	75.7	69.4	63.8	-	-	-	-	54.8	54.7

Boom	Max Rad.	Min	WLL at	6 FALL																			Max	WLL at	
Length	for Max WLL	Rad.	Min Rad.	Radius(metres) & Capacity (tonnes)																			Rad.	Max Rad.	
(m)	(m)	(m)	(T)	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	53.5	(m)	(T)
55.5	-	6.6	301.0	297.8	289.6	283.0	277.8	256.3	220.4	194.4	169.9	149.9	133.3	119.2	107.1	96.8	87.7	79.8	72.7	66.5	61.0	56.1	-	54.8	52.1

Main Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	WITH 1 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.	
				Radius(metres) & Capacity (tonnes)																						
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	50.0	55.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	(m)	(T)	
92.7	92.8	13.4	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.2	21.6	19.0	16.7	14.5	120.6	12.4	
83.4	95.2	12.8	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.8	21.3	-	-	-	111.6	18.2
74.1	97.5	12.1	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	102.6	24.4	
64.8	93.6	11.5	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	-	93.6	25.0	
55.5	84.7	10.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	-	-	-	-	84.7	25.0	

Main Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	WITH 2 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.	
				Radius(metres) & Capacity (tonnes)																						
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	50.0	55.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	(m)	(T)	
92.7	90.3	13.4	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.0	20.2	17.6	15.2	13.1	120.6	11.0	
83.4	92.6	12.8	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.8	22.5	19.9	-	-	-	111.6	16.8
74.1	99.0	12.1	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.5	-	-	-	-	102.6	23.4
64.8	93.6	11.5	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	-	-	93.6	25.0
55.5	84.7	10.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	-	-	-	-	84.7	25.0

Main Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	WITH 3 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	50.0	55.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	(m)	(T)
92.7	90.3	13.4	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	22.3	19.4	16.8	14.5	12.4	120.6	10.2
83.4	92.6	12.8	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.3	21.8	19.2	-	-	111.6	16.1
74.1	95.0	12.1	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.0	-	-	-	102.6	22.7
64.8	93.6	11.5	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	-	-	93.6	25.0
55.5	84.7	10.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	-	-	-	-	84.7	25.0

Main Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	WITH 4 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	(m)	(T)
74.1	95.0	12.1	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.4	102.6	22.0
64.8	93.6	11.5	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	93.6	25.0
55.5	84.7	10.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	-	-	84.7	25.0

Main Boom	Max Rad.	Min	WLL at	WITH 5 FALL MAIN HOIST																				Max	WLL at	
Length	for Max WLL	Rad.	Min Rad.	Radius(metres) & Capacity (tonnes)																				Rad.	Max Rad.	
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	70.0	72.5	75.0	77.5	80.0	85.0	90.0	(m)	(T)	
64.8	93.6	11.5	25.0	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	93.6	25.0	
55.5	84.7	10.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	84.7	25.0

Main Boom	Max Rad.	Min	WLL at	WITH 6 FALL MAIN HOIST																				Max	WLL at
Length	for Max WLL	Rad.	Min Rad.	Radius(metres) & Capacity (tonnes)																				Rad.	Max Rad.
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	70.0	72.5	75.0	77.5	80.0	82.5	85.0	(m)	(T)
55.5	84.7	10.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	-	-	84.7	25.0

Main Boom Length	Max Rad. Of FLY for Max WLL	Min Rad.	WLL at Min Rad.	WITH 1 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.	
				Radius(metres) & Capacity (tonnes)																						
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	50.0	55.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	(m)	(T)	
92.7	55.0	13.1	50.0	-	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.0	45.9	42.9	38.6	34.1	30.2	26.7	23.5	20.7	18.2	15.9	13.9	120.2	12.0
83.4	50.9	12.4	50.0	-	50.0	50.0	50.0	50.0	50.0	50.0	48.3	48.3	44.9	41.8	39.2	36.9	34.8	31.6	28.1	25.0	22.1	19.6	-	-	111.2	16.8
74.1	45.5	11.8	50.0	-	50.0	50.0	50.0	50.0	48.8	44.9	44.9	41.6	38.7	36.3	34.1	32.2	30.6	29.2	27.4	24.6	-	-	-	102.2	23.4	
64.8	42.5	11.1	50.0	-	50.0	50.0	50.0	48.9	45.1	41.4	41.4	38.3	35.6	33.3	31.3	29.6	28.2	27.1	-	-	-	-	-	-	93.3	26.8
55.5	37.9	10.5	50.0	50.0	50.0	49.1	47.7	45.4	41.2	37.8	37.8	34.9	32.4	30.3	28.6	27.2	-	-	-	-	-	-	-	-	84.3	26.4

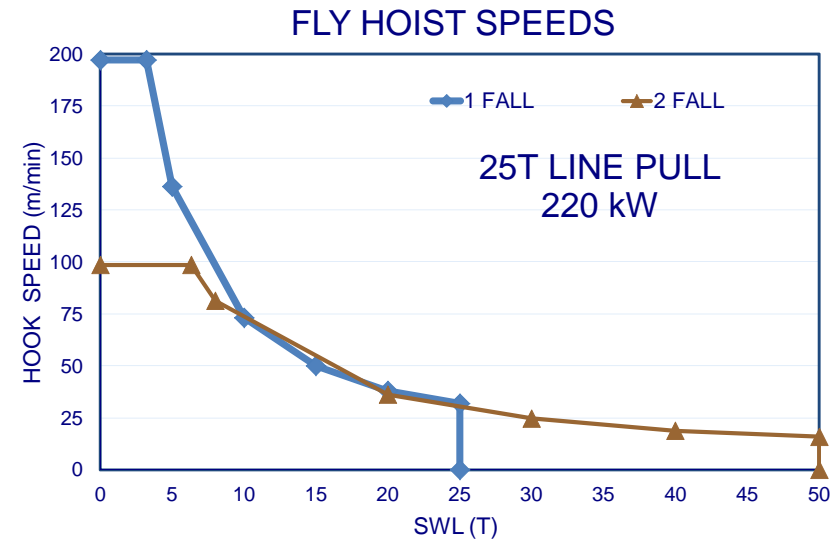
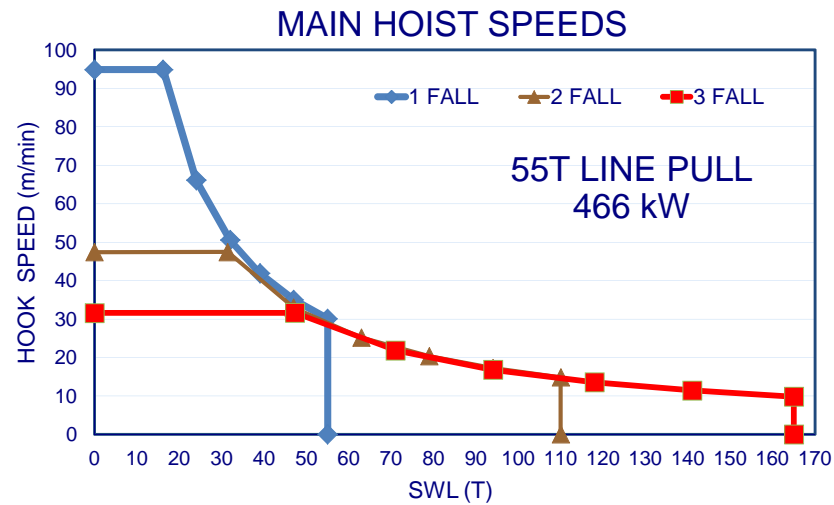
Main Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	WITH 2 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.	
				Radius(metres) & Capacity (tonnes)																						
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	50.0	55.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	(m)	(T)	
92.7	52.5	13.1	50.0	-	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.8	44.7	41.3	36.2	31.7	27.8	24.2	21.1	18.3	15.8	13.5	11.5	120.2	9.5	
83.4	51.6	12.4	50.0	-	50.0	50.0	50.0	50.0	50.0	48.1	48.1	44.7	41.6	39.1	36.8	34.2	30.3	26.7	23.6	20.8	18.2	-	-	-	111.2	15.5
74.1	46.1	11.8	50.0	-	50.0	50.0	50.0	50.0	48.5	44.7	44.7	41.4	38.6	36.1	34.0	32.1	30.5	28.8	26.0	23.2	-	-	-	-	102.2	22.1
64.8	40.0	11.1	50.0	-	50.0	50.0	49.9	49.2	44.9	41.2	41.2	38.1	35.5	33.2	31.2	29.5	28.2	27.1	-	-	-	-	-	-	93.6	26.7
55.5	38.6	10.5	50.0	50.0	50.0	49.1	47.5	45.2	41.0	37.7	37.7	34.8	32.3	30.2	28.5	27.1	-	-	-	-	-	-	-	-	84.3	26.4

Main Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	WITH 3 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	50.0	55.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	(m)	(T)
92.7	53.8	13.1	50.0	-	50.0	50.0	50.0	50.0	50.0	49.9	49.9	47.7	44.6	40.6	35.5	31.0	27.0	23.5	20.4	17.5	15.0	12.7	10.7	120.2	8.8
83.4	51.7	12.4	50.0	-	50.0	50.0	50.0	50.0	50.0	48.0	48.0	44.6	41.6	39.0	36.7	33.5	29.5	26.0	22.8	20.0	17.5	-	-	111.2	14.7
74.1	45.0	11.8	50.0	-	50.0	50.0	50.0	50.0	48.4	44.6	44.6	41.3	38.5	36.1	33.9	32.0	30.4	28.4	25.3	22.5	-	-	-	102.2	21.3
64.8	40.0	11.1	50.0	-	50.0	50.0	49.8	49.1	44.8	41.1	41.1	38.1	35.4	33.1	31.1	29.5	28.1	27.1	-	-	-	-	-	93.3	26.7
55.5	38.8	10.5	50.0	50.0	50.0	49.1	47.3	45.1	41.0	37.6	37.6	34.7	32.2	30.2	28.4	27.1	-	-	-	-	-	-	-	84.3	26.4

Main Boom Length	Max Rad. for Max WLL	Min Rad.	WLL at Min Rad.	WITH 4 FALL MAIN HOIST																				Max Rad.	WLL at Max Rad.
				Radius(metres) & Capacity (tonnes)																					
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	(m)	(T)
74.1	45.0	11.8	50.0	-	50.0	50.0	50.0	50.0	49.5	48.3	46.4	44.5	42.8	41.2	39.8	38.4	36.0	33.8	32.0	30.3	27.8	24.6	21.8	102.2	20.6
64.8	40.0	11.1	50.0	-	50.0	50.0	49.8	48.9	46.7	44.7	42.8	41.0	39.4	38.0	36.5	35.3	33.0	31.1	29.4	28.1	27.0	-	-	93.3	26.7
55.5	38.8	10.5	50.0	50.0	50.0	49.1	47.2	44.9	42.8	40.9	39.1	37.5	36.0	34.6	33.3	32.1	30.1	28.4	27.0	-	-	-	-	84.3	26.3

Main Boom	Max Rad.	Min	WLL at	WITH 5 FALL MAIN HOIST																				Max	WLL at
Length	for Max WLL	Rad.	Min Rad.	Radius(metres) & Capacity (tonnes)																				Rad.	Max Rad.
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	70.0	72.5	75.0	77.5	80.0	85.0	90.0	(m)	(T)
64.8	40.0	11.1	50.0	-	50.0	50.0	49.7	48.8	46.6	44.6	42.7	41.0	39.4	37.9	36.5	35.3	33.0	32.0	31.0	30.2	29.4	28.0	27.0	93.3	26.6
55.5	38.8	10.5	50.0	50.0	50.0	49.0	47.1	44.8	42.7	40.8	39.0	37.4	35.9	34.5	33.3	32.1	30.0	29.1	28.3	27.6	27.0	-	-	84.3	26.3

Main Boom	Max Rad.	Min	WLL at	WITH 6 FALL MAIN HOIST																				Max	WLL at
Length	for Max WLL	Rad.	Min Rad.	Radius(metres) & Capacity (tonnes)																				Rad.	Max Rad.
(m)	(m)	(m)	(T)	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	70.0	72.5	75.0	77.5	80.0	82.5	85.0	(m)	(T)
55.5	38.8	10.5	50.0	50.0	50.0	49.0	47.0	44.8	42.7	40.7	39.0	37.3	35.8	34.5	33.2	32.1	30.0	29.1	28.3	27.6	27.0	-	-	84.3	26.3

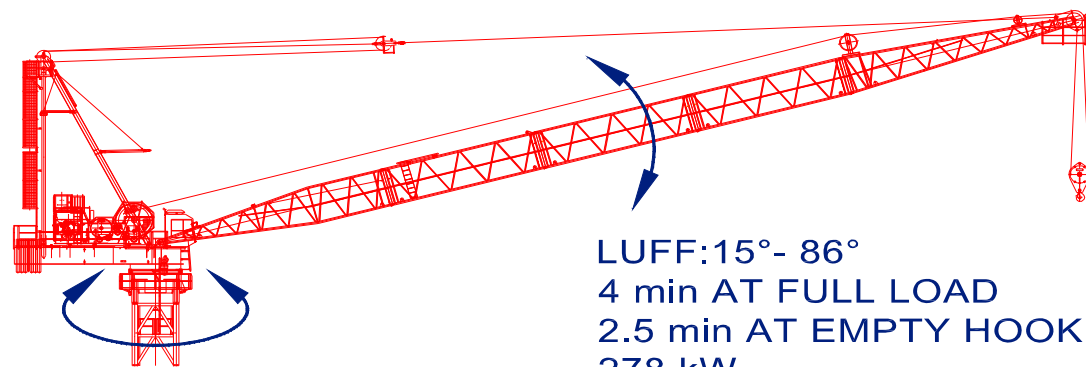


	LOAD (T)	SPEED (m/min)		LOAD (T)	SPEED (m/min)		LOAD (T)	SPEED (m/min)
1 FALL	16.2	94.9	2 FALL	31.4	47.4	3 FALL	47.3	31.6
	24.0	66.1		47.0	33.0		71.0	21.8
	32.0	50.5		63.0	25.1		94.0	16.8
	39.0	41.9		79.0	20.3		118.0	13.5
	47.0	35.0		94.0	17.2		141.0	11.4
	55.0	30.1		110.0	14.8		165.0	9.8

	LOAD (T)	SPEED (m/min)		LOAD (T)	SPEED (m/min)
1 FALL	3.2	197.1	2 FALL	6.3	98.6
	5.0	136.3		8.0	81.4
	10.0	73.2		20.0	36.2
	15.0	50.0		30.0	24.7
	20.0	38.0		40.0	18.8
	25.0	31.9		50.0	15.9

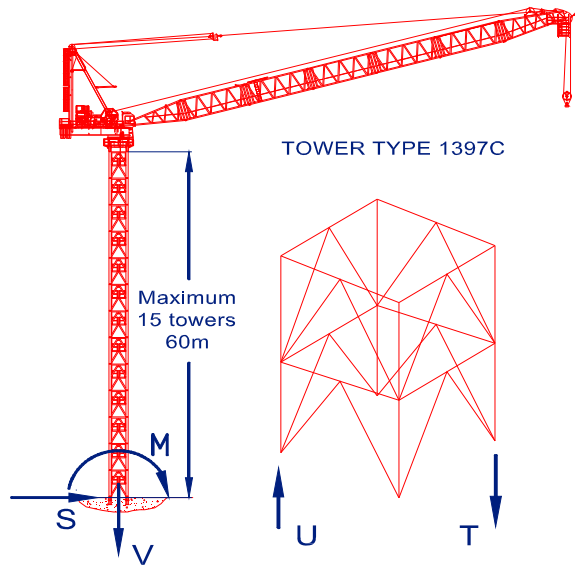
M2480D LUFF & SLEW SPEEDS WITH 74.1m BOOM

SLEW: 0.5rpm
58 kW



LUFF: 15° - 86°
4 min AT FULL LOAD
2.5 min AT EMPTY HOOK
278 kW

CRANE FREE-STANDING WITHOUT CLIMBING FRAME



BUILDING REACTION

Design Load	I/S*	O/S [‡]	O/S high [^]	Unit
M	3913	3089	5507	mT
V	696	565	565	T
S	13	56	133	T
T	943	361	1223	T
U	595	78	940	T

*:IN SERVICE WIND=20 m/s

[‡]:OUT OF SERVICE WIND= 42 m/s

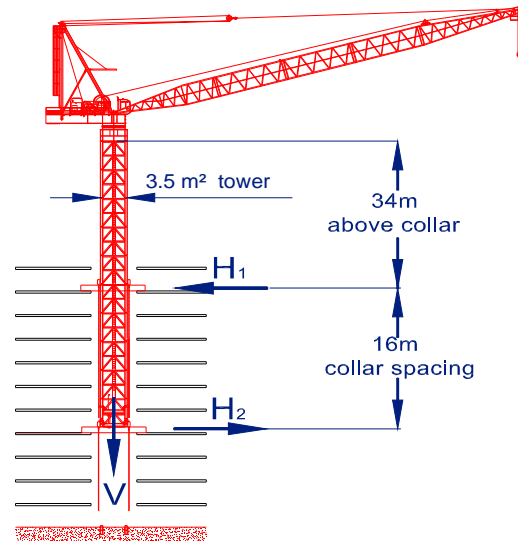
[^]:HIGH WIND (i.e. CYCLONE)= 65 m/s

Notes:

1. Structure is designed using permissible stress method. These loads will vary by change of boom length, height and type of tower, actual site wind conditions, no of falls and change of wind speed.

2. To calculate alternative options for M2480D refer to Favelle Favco Design Sheet named "Crane Weight Wind Chart".

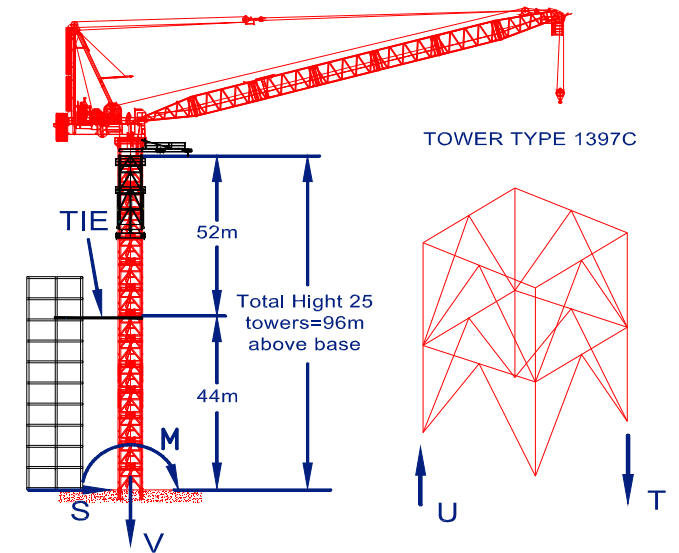
INTERNAL CLIMBER ON COLLARS



BUILDING REACTION

Design Load	I/S*	O/S [‡]	O/S high [^]	Unit
V	696	565	565	T
H ₁	145	50	194	T
H ₂	135	43	103	T

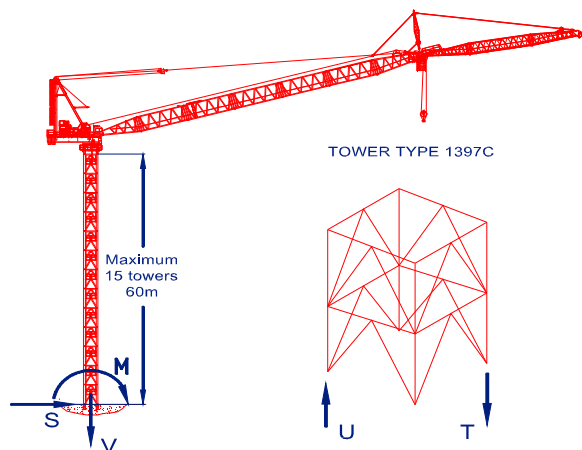
WITH CLIMBER- ONE TIE ABOVE THE BASE



BUILDING REACTION

Design Load	I/S*	O/S [‡]	O/S high [^]	Unit
TIE	144	80	268	T
M	1935	410	2144	mT
V	953	822	804	T
S	132	28	146	T
T	618	286	622	T
U	347	73	385	T

CRANE FREE-STANDING WITHOUT CLIMBING FRAME



BUILDING REACTION

Design Load	I/S*	O/S [‡]	O/S high ^	Unit
M	4919	2666	5852	mT
V	789	611	611	T
S	15	62	110	T
T	1163	676	1302	T
U	769	371	997	T

*:IN SERVICE WIND=20 m/s

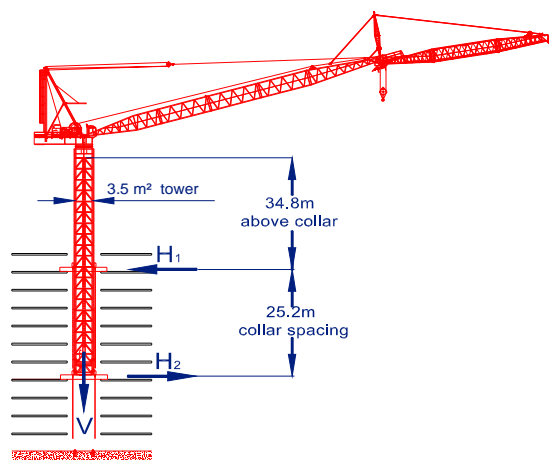
‡:OUT OF SERVICE WIND= 42 m/s

^:HIGH WIND (i.e. CYCLONE)= 56 m/s

Notes:

- Structure is designed using permissible stress method. These loads will vary by change of boom length, height and type of tower, actual site wind conditions, no of falls and change of wind speed.
- To calculate alternative options for M2480D refer to Favelle Favco Design Sheet named "Crane Weight Wind Chart".

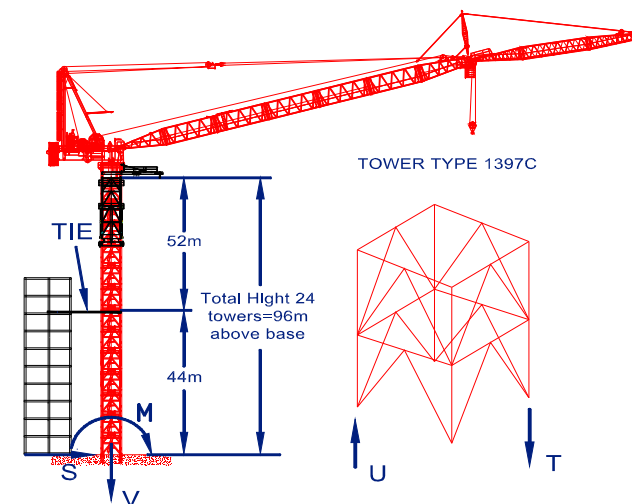
INTERNAL CLIMBER ON COLLARS



BUILDING REACTION

Design Load	I/S*	O/S [‡]	O/S high ^	Unit
V	789	611	611	T
H ₁	189	104	228	T
H ₂	174	42	118	T

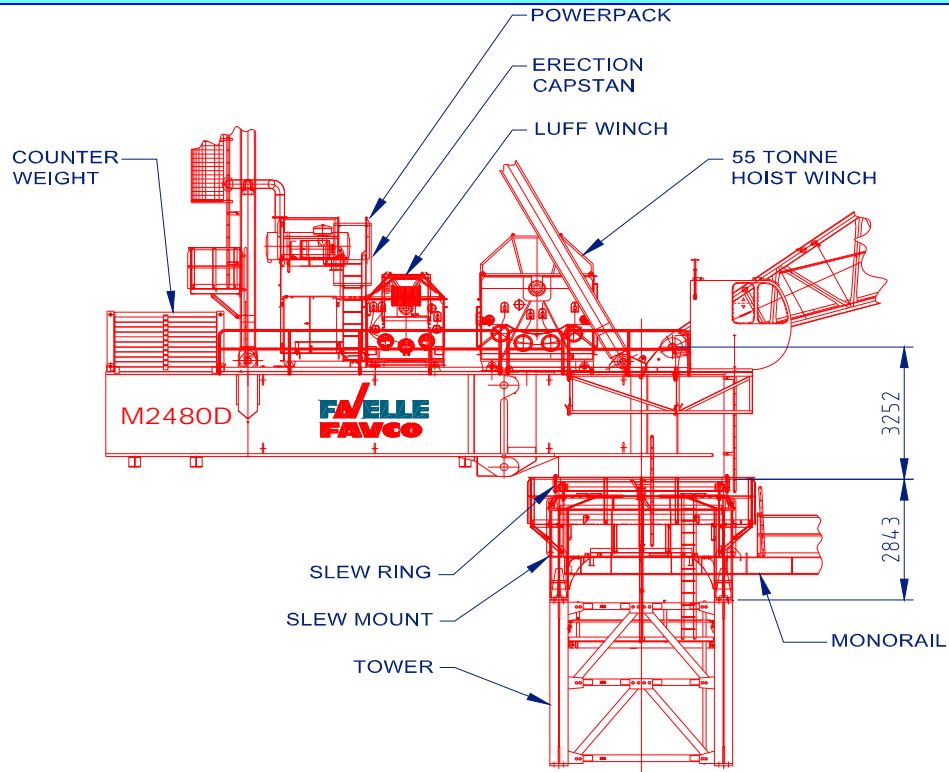
WITH CLIMBER- ONE TIE ABOVE THE BASE



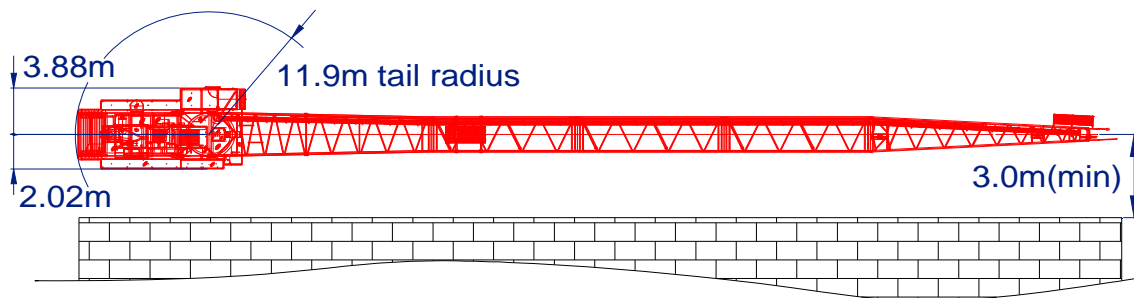
BUILDING REACTION

Design Load	I/S*	O/S [‡]	O/S high ^	Unit
TIE	185	159	321	T
M	2451	1238	2761	mT
V	939	761	761	T
S	165	74	169	T
T	716	433	733	T
U	247	53	352	T

MACHINERY DECK ASSEMBLY



**EXTERNAL CLIMBING
INSTALLATION CLEARANCE**



OUT OF SERVICE CONFIGURATION

Boom Length (m)	Minimum Safe Parking Radius*	
	Radius (m)	Angle (°)

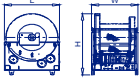

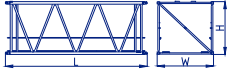

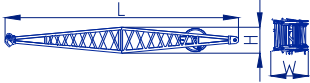
SUBJECT TO SITE CONDITIONS

M2480D TRANSPORTATION & ERECTION



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)		5242	3472	4050	30597
2	1	SPLIT DECK-REAR		9030	3091	4082	27622
3	1	POWERPACK (INCL. 1400L OF OIL)		4124	3740	2208	8538
4	2	FRONT LEG		16307	665	1516	6508EA
	1	HEAD (INC. SHEAVES)		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)					25245
5	1	CABIN & PLATFORM ASSEMBLY		4934	3310	2071	1763
6	1	HOIST WINCH ASSY (EMPTY DRUM) (800 m 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 (INCL. PLATFORMS 850Kg)		5500	2639	4142	18559
	1	SLEW RING (INCL. BOLTS)		3856 DIA.	232		6552
	1	MONORAIL (INDICATIVE ONLY) Total		3440	648	794	1711 26822
16	1	EXTERNAL CLIMBER (INDICATIVE ONLY)		11 800	1200	4000	34040
17	1	MONORAIL (INDICATIVE ONLY)		7318	2084	1008	3396
18	13	COUNTER WEIGHT - BELOW DECK		2236	140	3400	7904EA
	12	COUNTER WEIGHT - ABOVE DECK		2460		4108	8528EA 198T
19	1	HOOK - 3/2 FALL (165/110T)		3250	470	1400	4680
20	4	TOWER CHORD		4000	730	880	2420
	1	DIAGONAL BRACE		4475	150	160	124
	8	TOWER BRACE		2960	1995	301	345
	4	TOP BRACE		3996	216	259	112
		TOWER SECTION (INC.LADDER,HAND RAIL,PLATFORM)		4300	4000	4000	14144
21	1	HOIST ROPE (54mm) @ 14.15 kg/m		600 m			8830
22	1	LUFF ROPE (42mm) @ 8.38 kg/m		400 m			3486

M2480D TRANSPORTATION & ERECTION (CONTINUED FOR SUPER FLY ASSEMBLY)


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		600 m			5296