



## Load diagrams

**180.4 ft**




78.7	82.02	85.3	91.8	98.4	102.7	108.2	114.8	121.4	127.9	131.2	141.1	147.6	157.5	164.04	170.6	180.4	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5174,2	4801,6	4473,2	4182,2	4047,6	3683,9	3470,1	3183,4	3013,7	2857,2	2645,5	lbs
49.2	52.5	59.05	68.9	78.7	94.5	98.4	108.2	114.8	124.6	131.2	141.1	147.6	157.5	164.04	170.6	180.4	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5262,4	4651,7	4398,2	3866,9	3611,2	3273,8	3077,6	2813,1	2654,3	2511,0	2314,8	lbs
49.2	54.4	59.05	68.9	78.7	88.6	98.4	108.2	114.8	124.6	131.2	141.1	147.6	157.5	164.04	170.6	180.4	ft
11023,1	11023,1	10057,5	8273,9	6990,8	6020,8	5262,4	4651,7	4398,2	3866,9	3611,2	3273,8	3077,6	2813,1	2654,3	2511,0	2314,8	lbs

**164.04 ft**




78.7	82.02	85.3	91.8	98.4	108.2	114.8	115.1	121.4	127.9	131.2	141.1	147.6	157.5	164.04	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5180,8	4847,9	4695,8	4285,8	4043,2	3719,2	3527,4	lbs
49.2	59.05	68.9	78.7	88.6	107.6	108.2	114.8	124.6	131.2	141.1	147.6	157.5	164.04	ft	
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5493,9	5099,3	4590,0	4294,6	3908,8	3681,7	3377,5	3196,7	lbs	
49.2	61.6	68.9	78.7	88.6	98.4	108.2	114.8	124.6	131.2	141.1	147.6	157.5	164.04	ft	
11023,1	11023,1	9662,8	8185,7	7068,0	6194,9	5493,9	5099,3	4590,0	4294,6	3908,8	3681,7	3377,5	3196,7	lbs	

**147.6 ft**




78.7	82.02	85.3	91.8	98.4	108.2	114.8	121.4	124.6	127.9	131.2	141.1	147.6	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5361,6	4900,8	4629,7	lbs
49.2	59.05	65.6	68.9	78.7	88.6	98.4	108.2	114.8	121.4	131.2	141.1	147.6	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	4995,6	4556,9	4299,0	lbs
49.2	59.05	65.6	68.9	78.7	88.6	98.4	108.2	114.8	124.6	131.2	141.1	147.6	ft
11023,1	11023,1	11023,1	11023,1	9404,9	8139,4	7149,6	6353,7	5906,2	5328,5	4995,6	4556,9	4299,0	lbs

**131.2 ft**




78.7	82.02	85.3	91.8	98.4	108.2	114.8	121.4	126.3	127.9	131.2	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5458,6	5291,1	lbs
49.2	59.05	65.6	72.2	78.7	88.6	98.4	108.2	120.4	124.6	131.2	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5291,1	4960,4	lbs
49.2	59.05	65.6	68.6	78.7	88.6	98.4	108.2	114.8	124.6	131.2	ft
11023,1	11023,1	11023,1	11023,1	9343,2	8084,3	7101,1	6311,8	5864,3	5291,1	4960,4	lbs

**108.2 ft**




78.7	82.02	85.3	91.8	98.4	108.2	ft		
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	lbs		
49.2	62.3	65.6	68.9	78.7	88.6	98.4	108.2	ft
5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	5511,5	lbs
49.2	62.3	64.3	68.9	78.7	88.6	98.4	108.2	ft
11023,1	11023,1	11023,1	10176,5	8672,9	7513,3	6591,8	5842,2	lbs

**82.02 ft**












49.2	82.02	ft			
5511,5	5511,5	lbs			
49.2	82.02	ft			
5511,5	5511,5	lbs			
32.8	49.2	55.7	65.6	82.02	ft
11023,1	11023,1	11023,1	9131,5	6944,5	lbs

## Counterweight blocks





	180.4 ft			164.04 ft			147.6 ft			131.2 ft			108.2 ft			82.02 ft		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
	5	1	1	5	-	2	5	-	1	4	-	2	3	1	1	2	1	1
	30313,5 lbs			29101,0 lbs			27227,1 lbs			24030,4 lbs			20172,3 lbs			15101,6 lbs		



## Mechanisms






25 Hp (18,5 Kw) 3V  
400V / 50HZ  
H U H 275.6 ft S/R Ø0.03 ft



								
		ft/min	26.2	101.7	203.4	13.1	52.5	101.7
		lbs	5511,5	5511,5	2755,7	11023,1	11023,1	5511,5
		Kw	18,5	18,5	18,5	18,5	18,5	18,5
		ft/min	98.4 / 196.8			98.4 / 196.8		
		Kw	3			3		
		r.p.m.	0,3	0,6	0,9	0,3	0,6	0,9
		Nm	2 x 40			2 x 40		
		r.p.m.	0,3	0,6	0,9	0,3	0,6	0,9
<b>INVERTER</b>		Kw	2 x 5,5			2 x 5,5		
		ft/min	65.6			65.6		
		Kw	2 x 2,2			2 x 2,2		

33 Hp (24 Kw) INV  
400V / 50HZ - 60HZ  
H U H 393.7 ft S/R Ø0.03 ft  
\*H U H Lebus 787.4 ft S/R Ø0.03 ft

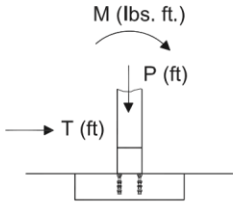
								
		ft/min	131.2	196.8	262.4	65.6	98.4	131.2
		lbs	5511,5	5511,5	2755,7	11023,1	11023,1	5511,5
		Kw	24	24	24	24	24	24

		400 V 50 Hz	* 460 V 60 Hz	25 Hp (18,5 Kw) 31,5 Kw / 120 kVA 33 Hp (24Kw) INV 37 Kw / 150 kVA
2000/14/CEE 2005/88/CEE	2006/95 /CEE			

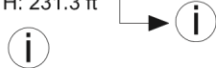
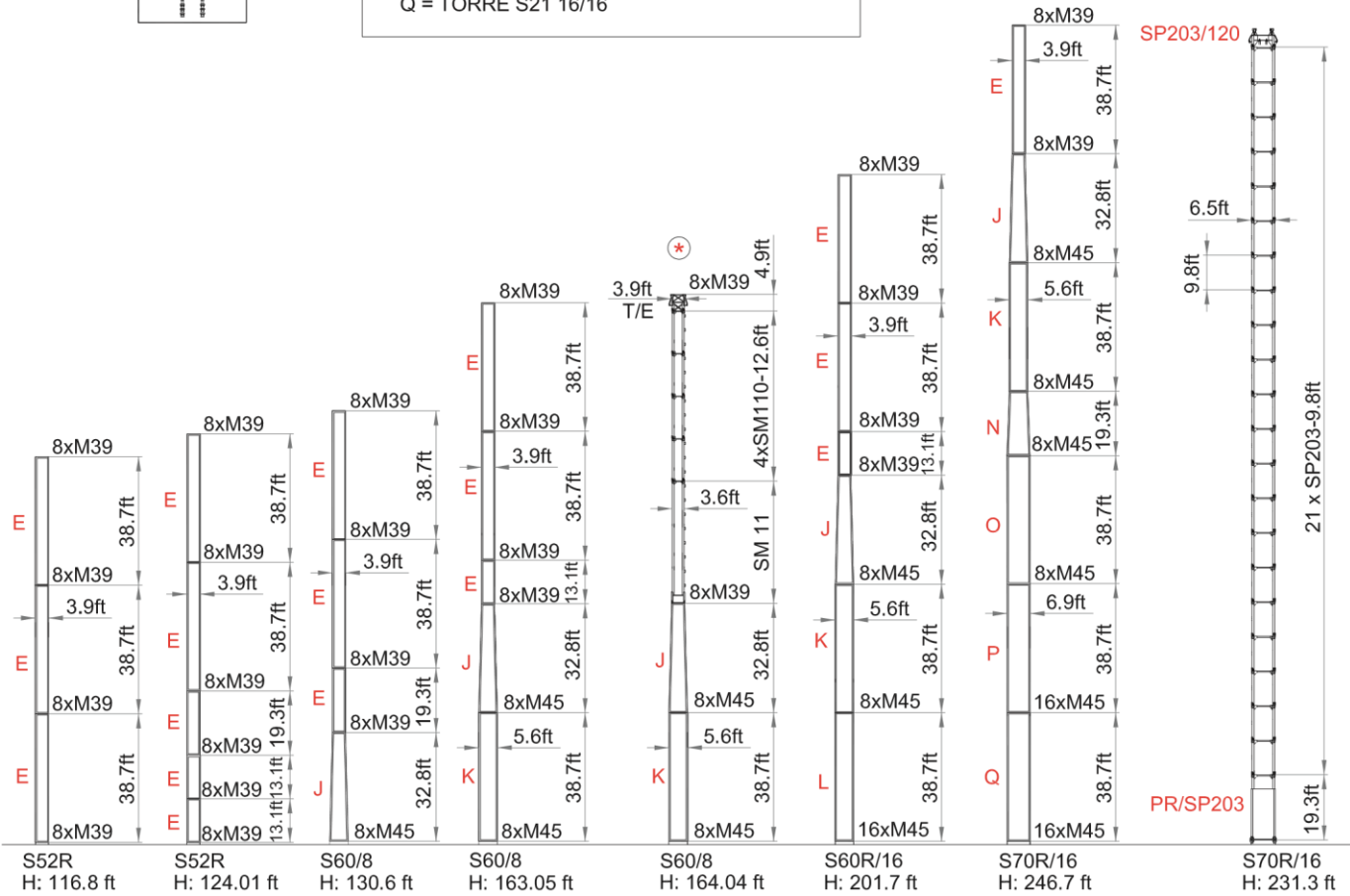
- \* Optional
-  Hoisting
-  Trolleying
-  Slewing
-  Travelling
-  Rope

		82.02 ft	164.04 ft	328.08 ft
25 Hp (18,5 KW ) 3V		4 x 0.08 ft <sup>2</sup>	4 x 0.08 ft <sup>2</sup>	4 x 0.08 ft <sup>2</sup>
33 Hp (24 KW ) INV		4 x 0.08 ft <sup>2</sup>	4 x 0.08 ft <sup>2</sup>	4 x 0.08 ft <sup>2</sup>

## FEM 1005-C25-D25 / EN 14439 - Masts / Reactions



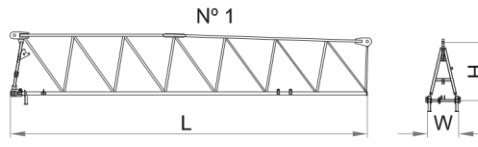
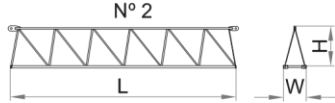
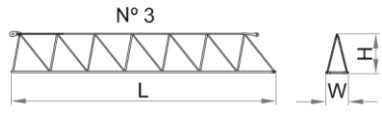
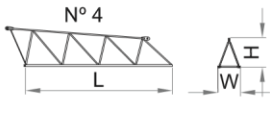
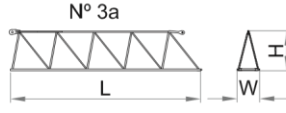
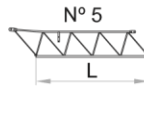
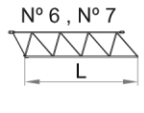
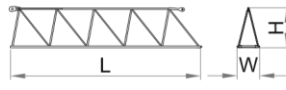
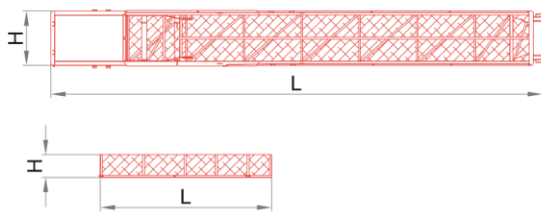
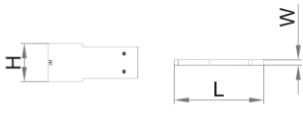
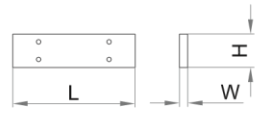
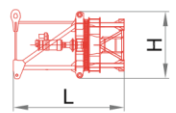
E = TORRE TL55 3.9ft M39/M39 8/8  
 J = CAMPANA S17 32.8ft 3.9/5.6 M39/M45 8/8  
 K = TORRE S17 5.6ft M45 8/8  
 N = CAMPANA S21-S17 8/8  
 O = TORRE S21 8/8  
 P = TORRE S21 16/8  
 Q = TORRE S21 16/16

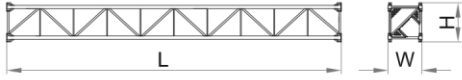
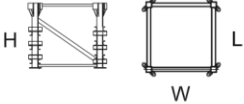
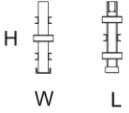
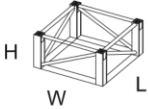
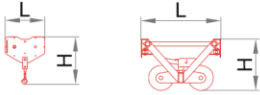
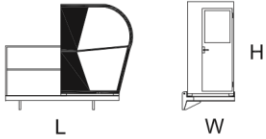
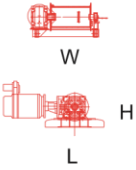


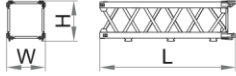
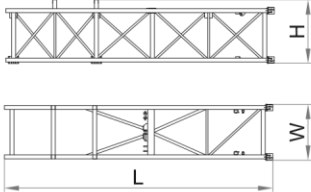
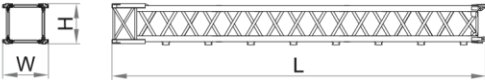
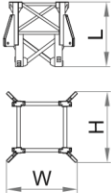
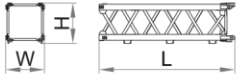
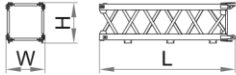
C25	H (ft)	78.2	91.2	97.4	116.8	124.01	130.6	163.1	201.7	227.3	246.7
	M (lbs-ft)	286601	327166	348330	425492	460766	493174,1	749572	1256634,9	1543235,8	1807790,5
	T (lbs)	11243,6	12566,3	13227,7	15432,3	15873,3	17416,5	22266,7	29762,4	33069,3	35714,8
	P (lbs)	71429,7	74295,8	75618,5	77602,7	79145,9	83555,2	97003,4	110672,1	121695,2	130734,1

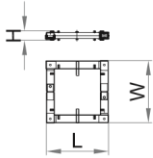
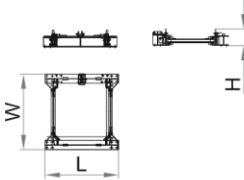

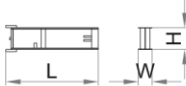


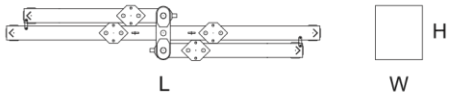

D25	H (ft)	78.2	91.2	97.4	103.7	110.9	117.4	149.9	168.9	194.5	213.9
	M (lbs-ft)	320993,0	365967,3	390218,2	425492	460766	493174,1	749572	1256634,9	1543235,8	1807790,5
	T (lbs)	12345,9	13448,2	14330,0	15432,3	15873,3	17416,5	22266,7	29762,4	33069,3	35714,8
	P (lbs)	71429,7	74295,8	75618,5	77602,7	79145,9	83555,2	97003,4	110672,1	121695,2	130734,1

# Dimensions and transport

	L(ft)	W(ft)	H(ft)	Weight(lbs)	
<b>Jib heel section</b> 	1	38.5	3.3	6.1	5101,5
<b>Intermediate jib section</b> 	2	32.8	3.3	5.9	2698,5
	3	37.7	3.3	5.9	2345,7
	4	21.3	3.3	5.9	1106,7
	5	16.4	3.3	4.2	687,8
	6	16.4	3.3	3.9	577,6
	7	16.4	3.3	3.8	454,1
	3a	11.4	3.3	5.9	705,5
		37.7	1.04	4.2	4824,1
		4.05	0.9	1.9	224,8
<b>Counterweight blocks</b> 	A	9.6	0.9	4.1	5070,6
	B	9.6	0.6	4.1	3086,4
	C	5.6	0.6	4.1	1873,9
<b>Base ballast block</b> 		14.4	3.9	0.9	8377,5
<b>Tower head</b> 		10.3	5.9	5.6	7050,4

	L(ft)	W(ft)	H(ft)	Weight(lbs)	
<b>Tower section</b>					
	E	38.7	3.9	4.5	8337,8
	E	26.2	3.9	4.5	5851,1
	E	19.3	3.9	4.5	4607,6
	E	13.1	3.9	4.5	3366,4
	J	32.8	6.1	4.5	7760,3
	K	38.7	6.1	6.1	10141,3
	K	19.3	6.1	6.1	5449,8
	K	9.8	6.1	6.1	3141,6
	L	38.7	6.1	6.1	12169,5
	M	38.7	6.1	6.1	12500,2
	N	19.3	7.4	7.4	7716,2
	O	38.7	7.4	7.4	11120,1
	O	19.3	7.4	7.4	5820,2
	O	9.8	7.4	7.4	3406,1
	P	38.7	7.4	7.4	12566,3
	Q	38.7	7.4	7.4	13007,3
	X	19.7	7.4	7.5	8818,5
T	19.7	7.4	7.5	9479,9	
U	19.7	7.6	7.7	13029,3	
Z	19.7	8.5	7.7	13183,6	
<b>Foundation anchor</b>					
	S51	3.9	4.5	4.6	1093,5
	S52R	3.9	4.5	4.6	1309,5
	S60/8	6.1	6.1	5.2	2107,6
	S60R/16	6.1	6.1	5.2	2442,7
	S70/8	7.4	7.4	5.2	2473,6
	S70R/16	7.4	7.4	5.2	2808,7
	S75R8/20	1.1	1.1	5.2	2645,5
	S75R16/22	1.6	1.6	6.5	6261,1
	S75R16/26	1.6	1.6	7.9	6966,6
	S75R24/26	1.6	1.6	7.9	7495,7
	DIMA	7.6	7.7	2.6	3637,6
<b>Hook and Trolley</b>					
		2.5	0.4	4.6	361,5
		3.1	3.6	2.03	405,6
<b>Cabin and platform</b>					
		9.8	3.8	7.7	1230,2
<b>Hoist winch</b>					
		5.2	3.9	2.3	1245,6

	L(ft)	W(ft)	H(ft)	Weight(lbs)
<b>Climbing tower section SM110</b>  	13.4	3.8	4.0	3130,5
<b>Climbing cage SM110</b>  <b>Full</b>    <b>Steel frame</b>  <b>Hydraulic and accessories</b>	26.6	5.6	6.3	8465,7  5346,2  3119,5
<b>Climbing connection frame SM110-1,2/1,09</b>  	36.7	4.5	3.9	8146,1
<b>Climbing cage connection frame SM110-1,09/1,2</b>  	4.9	5.4	5.4	1929,1
<b>Climbing tower section SM110 - A</b>  	13.4	3.8	4.0	4188,8
<b>Climbing tower section SM110 - B</b>  	13.4	3.8	4.0	3858,1

	L(ft)	W(ft)	H(ft)	Weight(lbs)
<b>Tie-frame</b> 	5.5	5.5	0.8	1587,3
<b>Floor climbing frame</b> 	7.9	11.1	1.5	3313,5
<b>Hydraulic and accessories</b>				2425,1
<b>Main base beam C38</b> 	18.7	2.2	2.1	3461,2
<b>Half base beam C38</b> 	9.1	1.5	2.2	1763,7x2
<b>Main base beam C45HB</b> 	2.1	2.3	2.5	5727,6
<b>Half base beam C45HB</b> 	10.6	1.9	2.5	2707,3x2
<b>Crossbase C45HM</b> 	21.9	3.6	3.9	12676,6
<b>Half base beams</b> 	(x2) 14.4	0.9	1.8	485,1x2