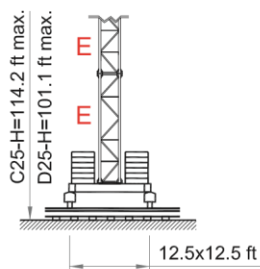
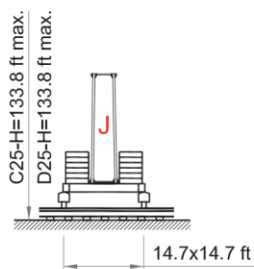


- C38 - H U H 114.2 ft 3.9 - C25
- C38 - H U H 101.1 ft 3.9 - D25
- C45HB - H U H 133.8 ft 5.6 - C25
- C45HB - H U H 133.8 ft 5.6 - D25
- C45HM - H U H 166.1 ft 5.6 - C25
- C45HM - H U H 146.9 ft 5.6 - D25



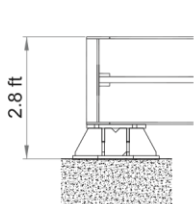
A-B-B1-C



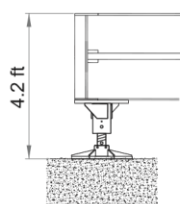
A-B-B1-C



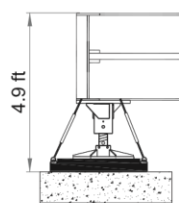
D



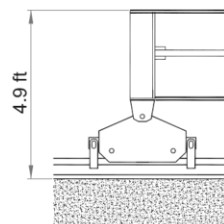
A



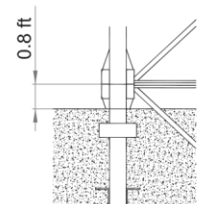
B



B1



C



D

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



	 820.2 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			
 * INVERTER	r.p.m.	0,3	0,6	0,9	0,3	0,6	0,9	
	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

	 1049.8 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

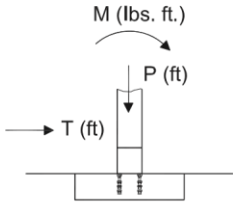
 2000/14/CEE 2005/88/CEE	 2006/95/CEE	400 V 50 Hz	* 460 V 60 Hz	25 Hp (18,5 Kw) 31,5 Kw / 120 kVA 33 Hp (24Kw) INV 37 Kw / 150 kVA
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- * Optional
-  Hoisting
-  Trolleying
-  Slewing
-  Travelling
-  Rope

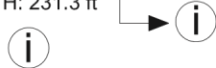
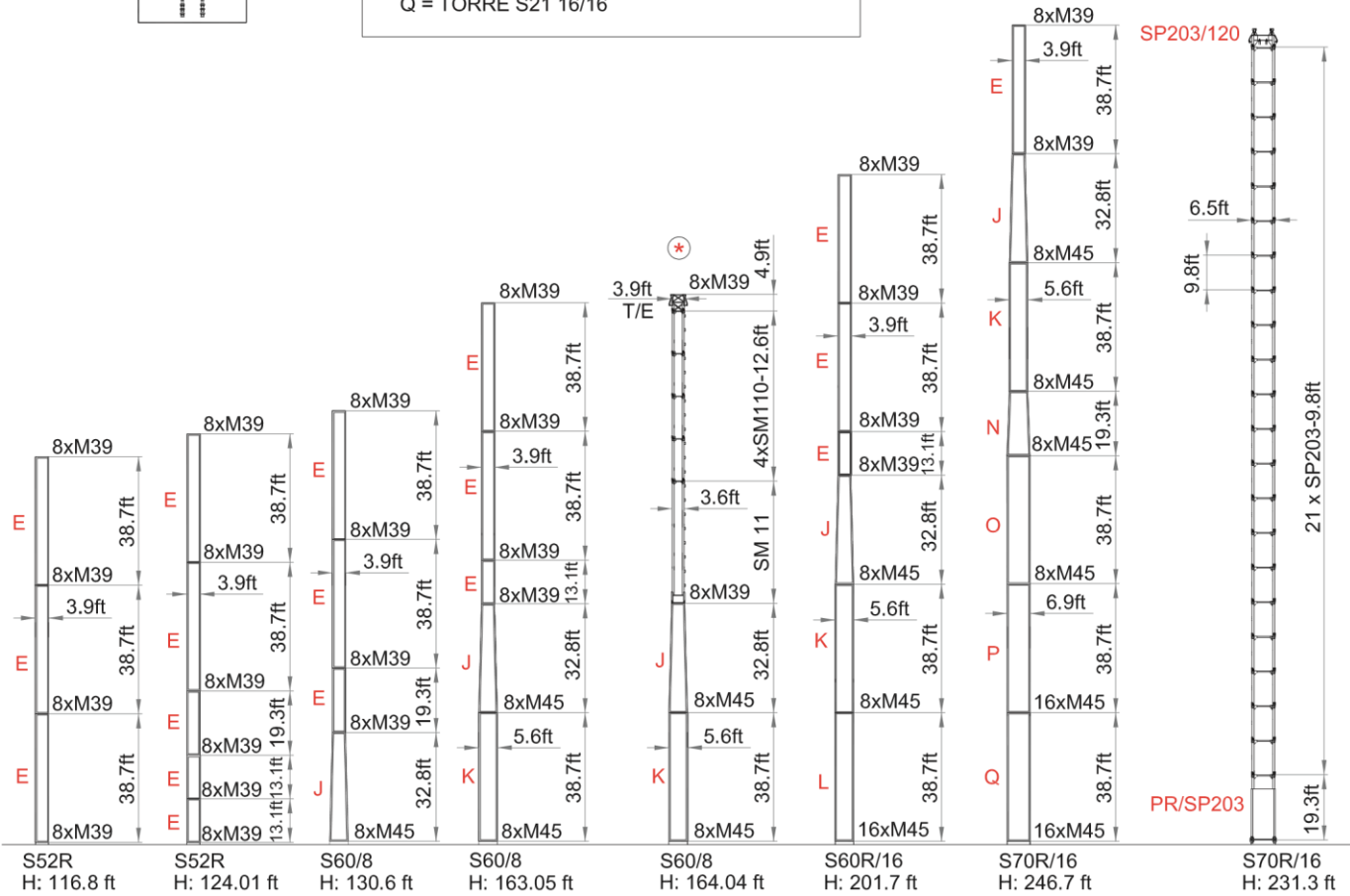
 	82.02 ft	164.04 ft	328.08 ft
25 Hp (18,5 KW) 3V	4 x 0.08 ft ²	4 x 0.08 ft ²	4 x 0.08 ft ²
33 Hp (24 KW) INV	4 x 0.08 ft ²	4 x 0.08 ft ²	4 x 0.08 ft ²



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



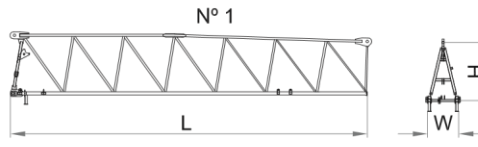
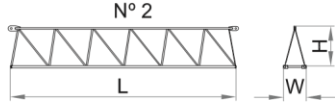
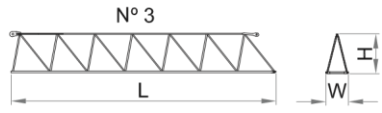
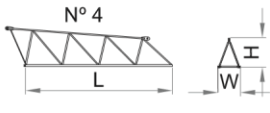
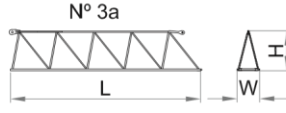
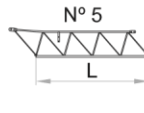
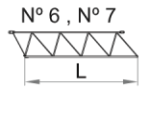
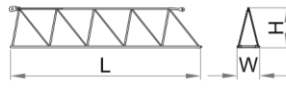
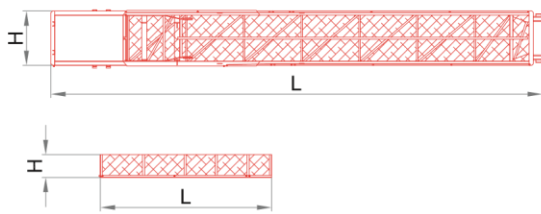
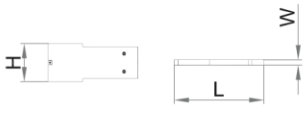
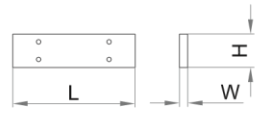
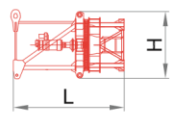
E = TORRE TL55 3.9ft M39/M39 8/8
 J = CAMPANA S17 32.8ft 3.9/5.6 M39/M45 8/8
 K = TORRE S17 5.6ft M45 8/8
 N = CAMPANA S21-S17 8/8
 O = TORRE S21 8/8
 P = TORRE S21 16/8
 Q = TORRE S21 16/16

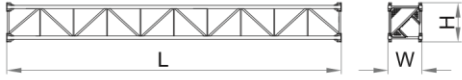
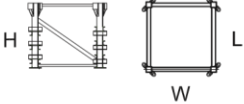
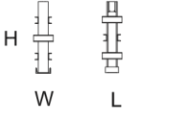
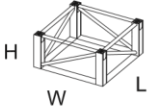
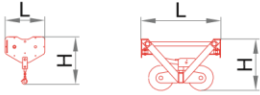
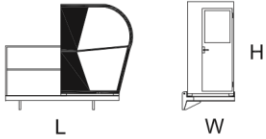
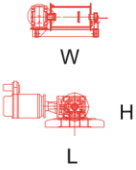


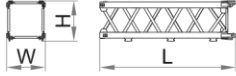
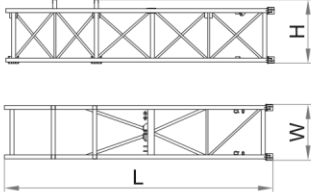
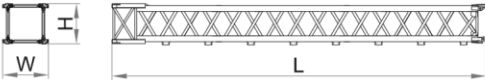
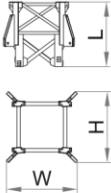
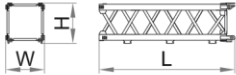
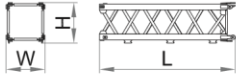
C25	H (ft)	78.2	91.2	97.4	116.8	124.01	130.6	163.1	201.7	227.3	246.7
	M (lbs-ft)	286601	327166	348330	425492	460766	493174,1	749572	1256634,9	1543235,8	1807790,5
	T (lbs)	11243,6	12566,3	13227,7	15432,3	15873,3	17416,5	22266,7	29762,4	33069,3	35714,8
	P (lbs)	71429,7	74295,8	75618,5	77602,7	79145,9	83555,2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

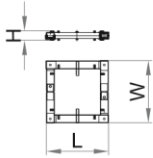
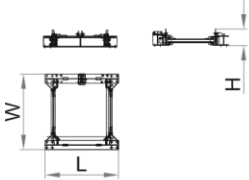




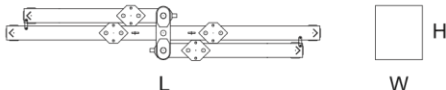
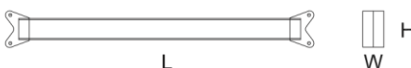
D25	H (ft)	78.2	91.2	97.4	103.7	110.9	117.4	149.9	168.9	194.5	213.9
	M (lbs-ft)	320993,0	365967,3	390218,2	425492	460766	493174,1	749572	1256634,9	1543235,8	1807790,5
	T (lbs)	12345,9	13448,2	14330,0	15432,3	15873,3	17416,5	22266,7	29762,4	33069,3	35714,8
	P (lbs)	71429,7	74295,8	75618,5	77602,7	79145,9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

Dimensions and transport

	L(ft)	W(ft)	H(ft)	Weight(lbs)	
Jib heel section 	1	38.5	3.3	6.1	5101,5
Intermediate jib section 	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
Counterweight blocks 	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
Base ballast block 		14.4	3.9	0.9	8377,5
Tower head 		10.3	5.9	5.6	7050,4

	L(ft)	W(ft)	H(ft)	Weight(lbs)	
Tower section					
	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	
Foundation anchor					
	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
Hook and Trolley					
		2.5	0.4	4.6	361,5
		3.1	3.6	2.03	405,6
Cabin and platform					
	9.8	3.8	7.7	1230,2	
Hoist winch					
	5.2	3.9	2.3	1245,6	

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

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