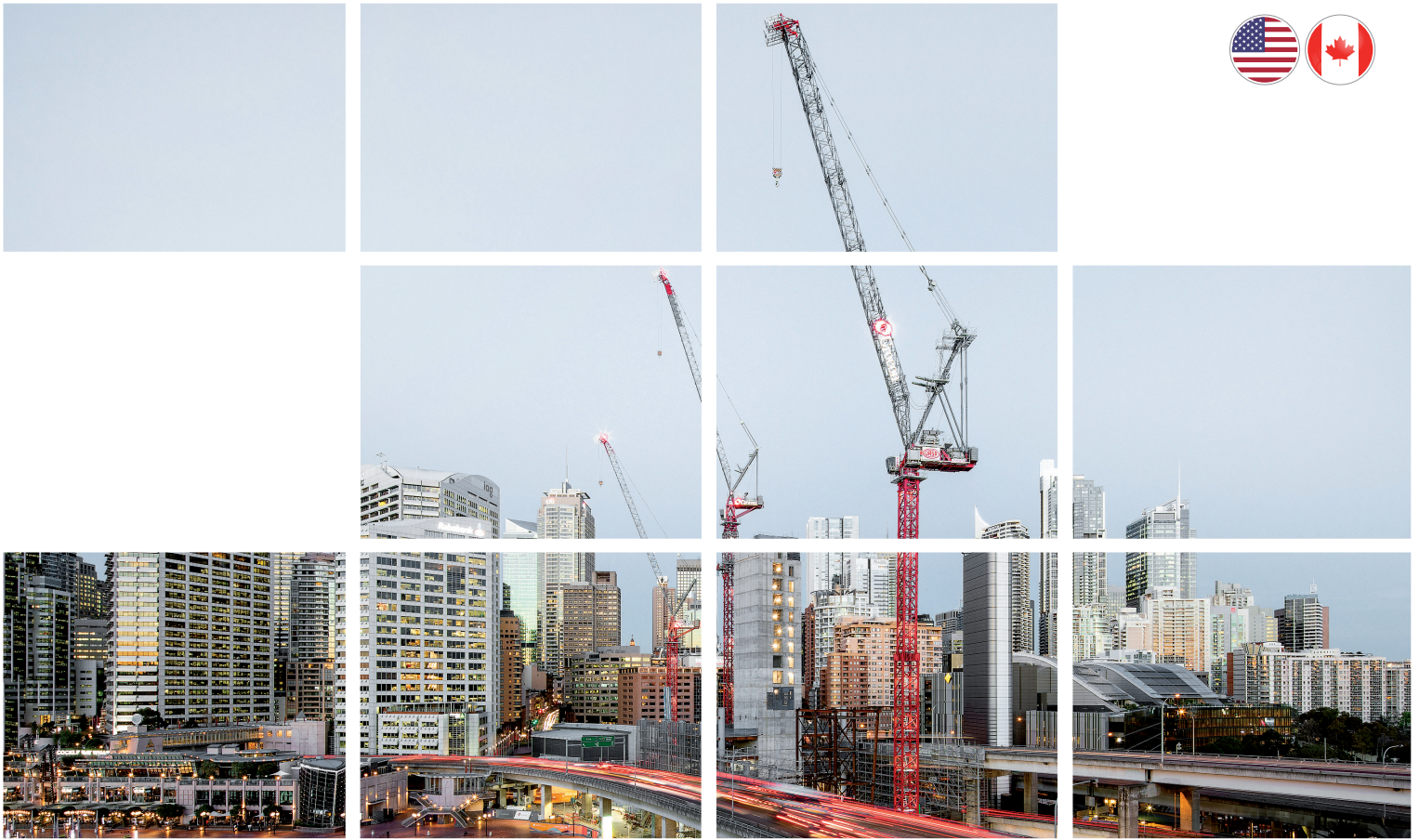




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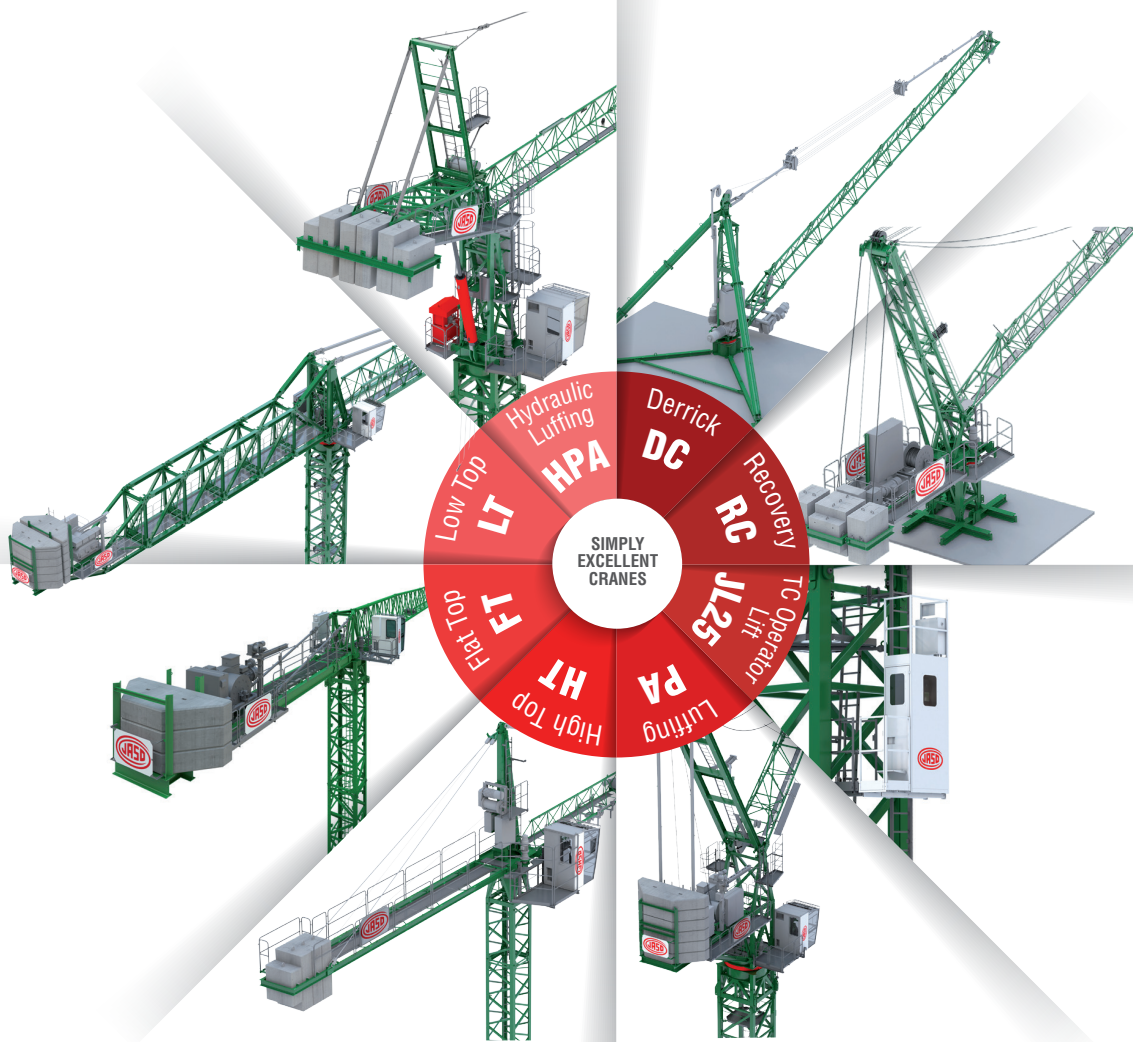
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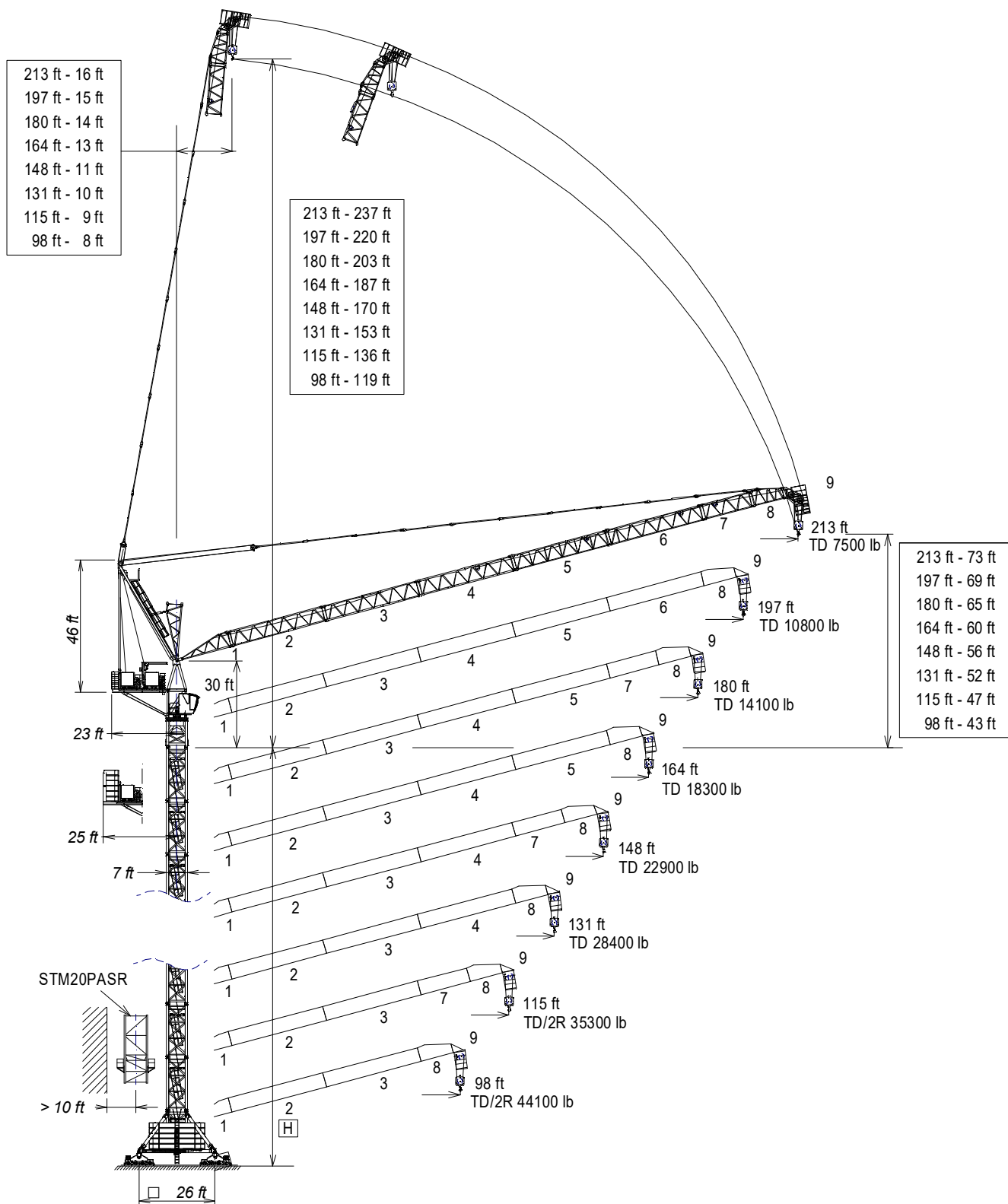
**GRUA TORRE
TOWER CRANE**

J438PA.2R



UNE 58-101
FEM 1001

UNE-EN-ISO 9001



H = Máxima altura de torre sin arriostrar (ft).
Maximum tower height without fastening (ft).



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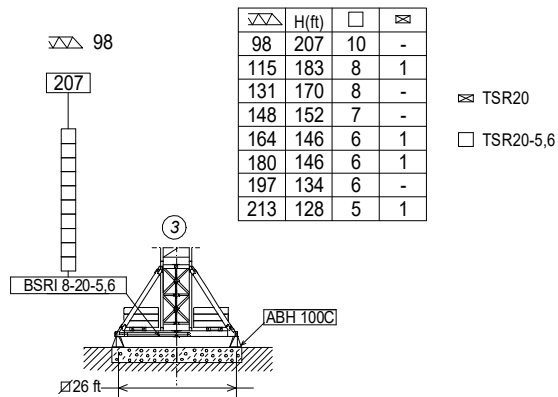
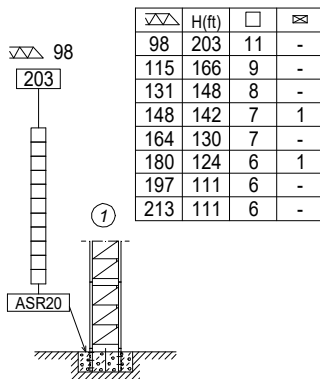
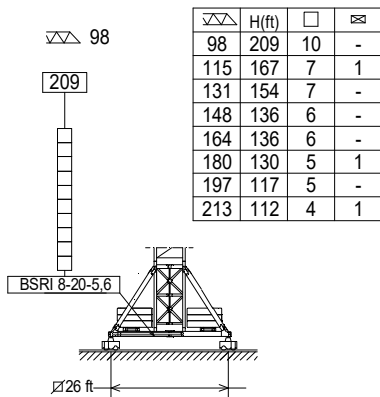
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TD

(H) TRASLACIÓN / TRAVELLING

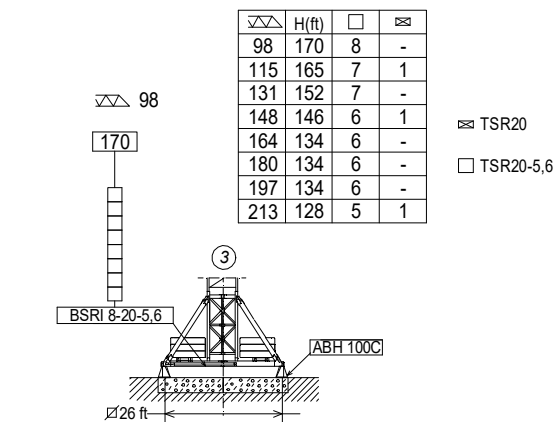
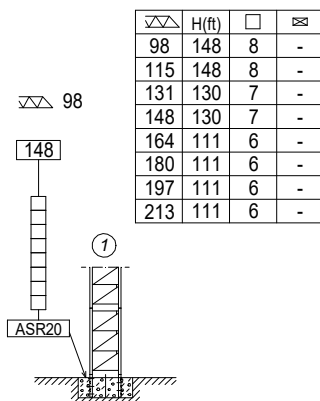
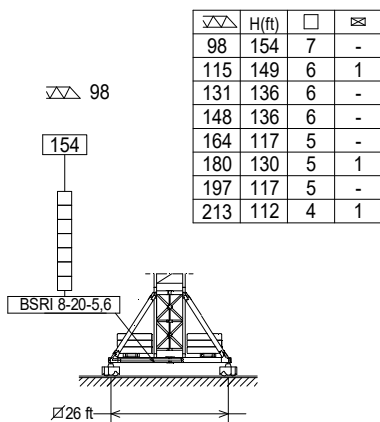
(H) ESTACIONARIA / STATIONARY



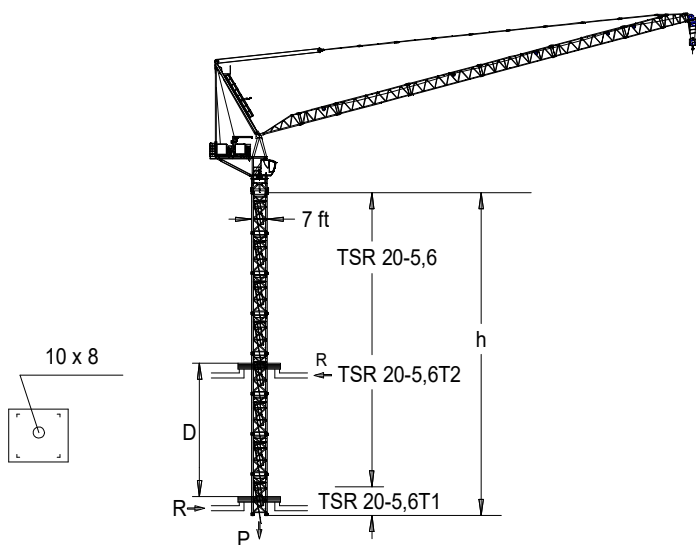
TD / 2R

(H) TRASLACIÓN / TRAVELLING

(H) ESTACIONARIA / STATIONARY



TREPADO / CLIMBING



$$h_{max}: \text{TSR20-5,6T1} + 5 \times \text{TSR20-5,6} + \text{TSR20-5,6T2}$$

164 ft	35300 lb	▶	■
h (ft)	129		
D (ft)	37 - 59		
P (lbf)	376600	340600	
Rmax (lbf)	124800	140500	

TSR20-5,6T1: 206.31.400
TSR20-5,6T2: 206.31.500

	Trepado interno / Internal climbing
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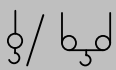
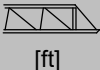
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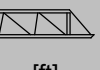
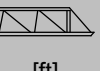
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 TD (t)		Cargas máximas / Maximum loads TD – 35300 lb								
 [ft]	TD 35300 lb @ (ft)	Alcance del gancho [ft] / Hook reach [ft]								
		82	98	115	131	148	164	180	197	213
213	111	35300	35300	33500	26500	21200	16800	13200	10100	7500
197	112	35300	35300	34000	27100	21800	17400	13900	10800	-
180	114	35300	35300	34600	27800	22300	17900	14100	-	-
164	114	35300	35300	34600	28000	22700	18300	-	-	-
148	114	35300	35300	34800	28200	22900	-	-	-	-
131	115	35300	35300	35100	28400	-	-	-	-	-
115	115	35300	35300	35300	-	-	-	-	-	-
98	98	35300	35300	-	-	-	-	-	-	-

 TD/2R (lb)		Cargas máximas / Maximum loads TD/2R – 35300/70500 lb										
 [ft]	2R 70500 lb @ (ft)	TD 35300 lb@ (ft)	Alcance del gancho [ft] / Hook reach [ft]									
			66	82	98	115	131	148	164	180	197	213
213	70500 lb @ (ft)	110	35300	35300	35300	32600	25800	20300	15900	12300	9300	6600
197		111	35300	35300	35300	33100	26200	20900	16500	13000	9900	-
180		111	35300	35300	35300	33300	26500	21200	16800	13200	-	-
164	68	112	70500	55100	42800	33700	27100	21800	17400	-	-	-
148	68	112	70500	55100	43000	34000	27300	22000	-	-	-	-
131	68	113	70500	55100	43000	34200	27600	-	-	-	-	-
115	68	115	70500	56200	44100	35300	-	-	-	-	-	-
98	68	98	70500	56200	44100	-	-	-	-	-	-	-

 [ft]	2R 39700 lb @ (ft)	TD 19800 lb @ (ft)	Alcance del gancho [ft] / Hook reach [ft]								
			82	98	115	131	148	164	180	197	213
213	102	149	39700	39700	32600	25800	20300	15900	12300	9300	6600
 [ft]	2R 52900lb @ (ft)	TD 26500 lb @ (ft)	Alcance del gancho [ft] / Hook reach [ft]								
			66	82	98	115	131	148	164	180	197
197	84	131	52900	52900	41900	33100	26200	20900	16500	13000	9900
 [ft]	2R 66100 lb @ (ft)	TD 33100 lb @ (ft)	Alcance del gancho [ft] / Hook reach [ft]								
			49	66	82	98	115	131	148	164	180
180	71	115	66100	66100	54700	41900	33300	26500	21200	16800	13200

 Viento fuera de servicio / Out of service wind

 Consultar / Consult

 En servicio / In service

 Fuera de servicio / Out of service

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CARACTERISTICAS DE MECANISMOS / MECHANISMS FEATURES

J438PA.2R

*opcional *optional						
	EC150152VF 110 kW	* EC180188VF 132 kW	OG2008VF 2x7,3 kW	EP10015VF 75 kW	TG4025VF 4x7,5 kW	TH4010 29,4 kW
	 35300 lb – 118 ft/min 7900 lb – 499 ft/min	 35300 lb – 148 ft/min 4850 lb – 617 ft/min	0... 0,8 r/min sl/min	1,5 min	0...82 ft/min	2 ft/min
	 70500 lb – 59 ft/min 15700 lb – 249 ft/min	 70500 lb – 72 ft/min 9500 lb – 308 ft/min	480V 60Hz EC150152VF: AMPERAGE = 320 A EC180188VF: AMPERAGE = 358 A			
	$H \leq \frac{TD}{2R}$ 1798 ft 899 ft	$H \leq \frac{TD}{2R}$ 2133 ft 1066 ft				
	2841 ft		ecoMode			

LISTA DE EMBARQUE / PACKING LIST

J438PA.2R

DENOMINACIÓN / DENOMINATION			L [ft]	A [ft]	H [ft]	P / W [lb]
Torre inferior Lower tower	TSRI-20-5,6		19.7	7.4	7.4	14470
Torre Tower	TSR20 TSR20-5,6		14.0 19.7	7.4 7.4	7.4 7.4	6860 9285
Torre asiento pista, torre superior y orientación Slewing table, top tower and slewing mechanism			31.7	7.6	8.4	3490
Punta de torre Top tower			19.2	7.5	7.8	11685
Torre asiento pista + base punta de torre + orientación Slewing table + tower head base + slewing mechanism			15.3	8.4	8.1	23205



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LISTA DE EMBARQUE / PACKING LIST

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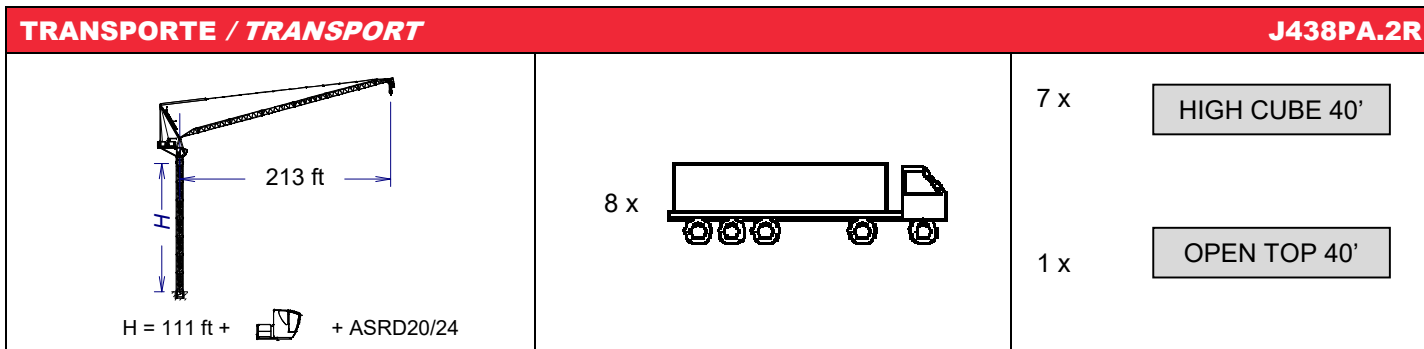
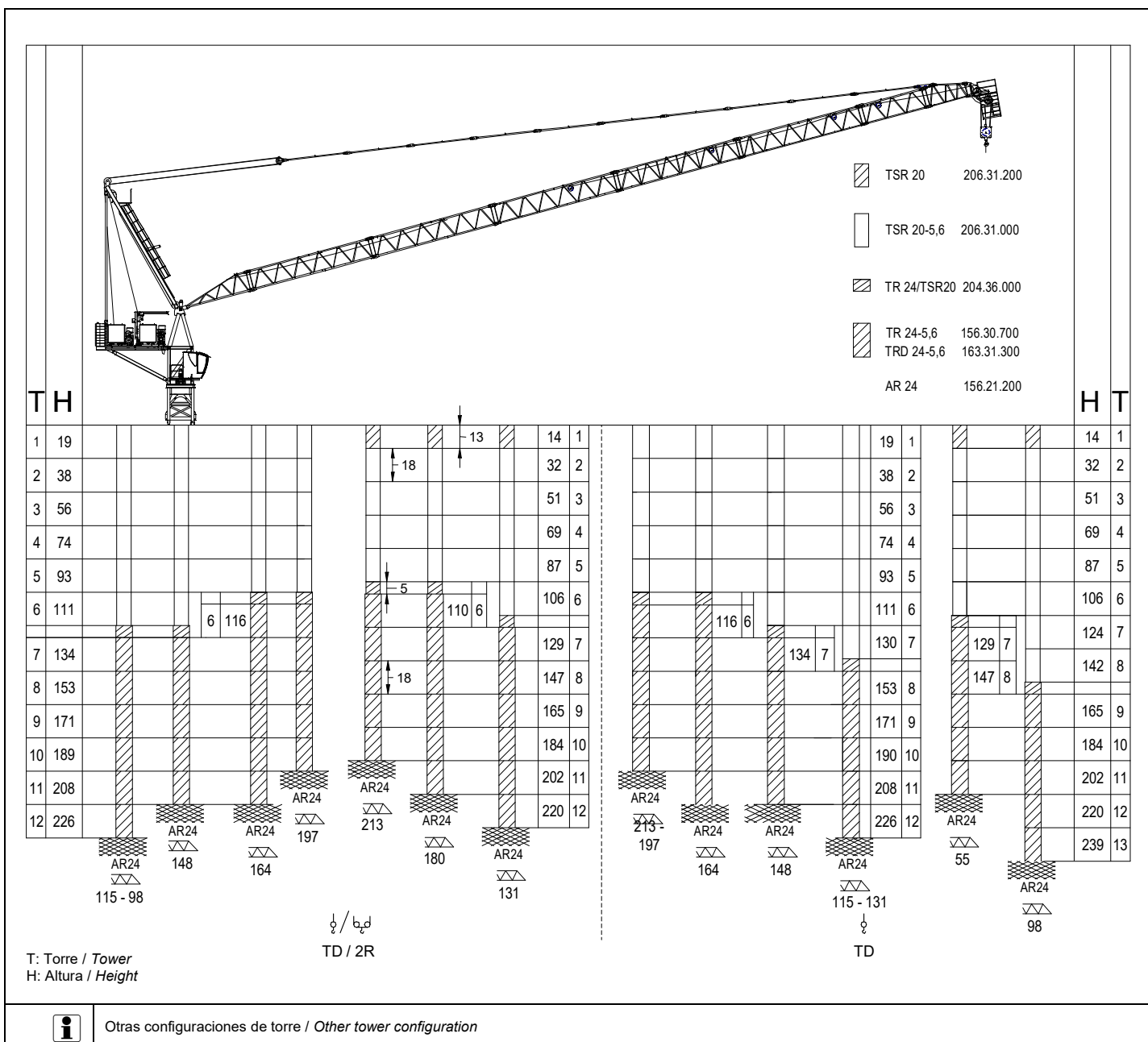
DENOMINACIÓN / DENOMINATION		L [ft]	A [ft]	H [ft]	P / W [lb]	
Tramo de pluma Jib section	[1]	20.3	7.1	5.8	4015	
	[2]	34.3	5.0	5.7	5965	
	[3]	34.5	5.0	5.7	5800	
	[4]	34.6	5.0	5.7	5040	
	[5]	34.6	4.9	5.7	4115	
	[6]	34.6	4.9	5.7	3860	
	[7]	18.4	4.9	5.7	2135	
	[8]	12.2	4.9	6.1	2150	
	[9]	6.6	6.2	6.7	2260	
Contrapluma con mecanismos, pasteca y plumin Counterjib with mechanisms, reeving block and auxiliary jib			21.7	7.8	9.1	45305
Contrapluma con elevacion pluma, pasteca y plumin Counterjib+ luffing mechanisms+ reeving block+ auxiliary jib			21.7	7.2	8.4	26150
Mecanismo elevacion carga Hoisting mechanism			8.7	8.1	7.1	19160
Polipasto Hook assembly	TD/2R TD		3.3 0.6	1.4 1.1	6.5 6.9	1735 840
Tirante sostén pluma Jib support tie			19.2	1.4	2.0	5240
Parte superior Top part			39.2	7.4	5.6	15080
Plataforma y cabina (2 x 1,5) Platform and cabin			12.0	6.3	8.1	2500
Transporte torre de montaje Jacking cage transport		TM20PASR-5,6 	35.5	7.5	7.9	26770
Contrapeso Counterweight			14.8	1.1	2.7	13230
			7.2	1.1	2.7	6615
			10.5	1.1	3.8	13230
Contrapeso Counterweight		Lastre Ballast 	12.5	1.9	4.9	13230



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