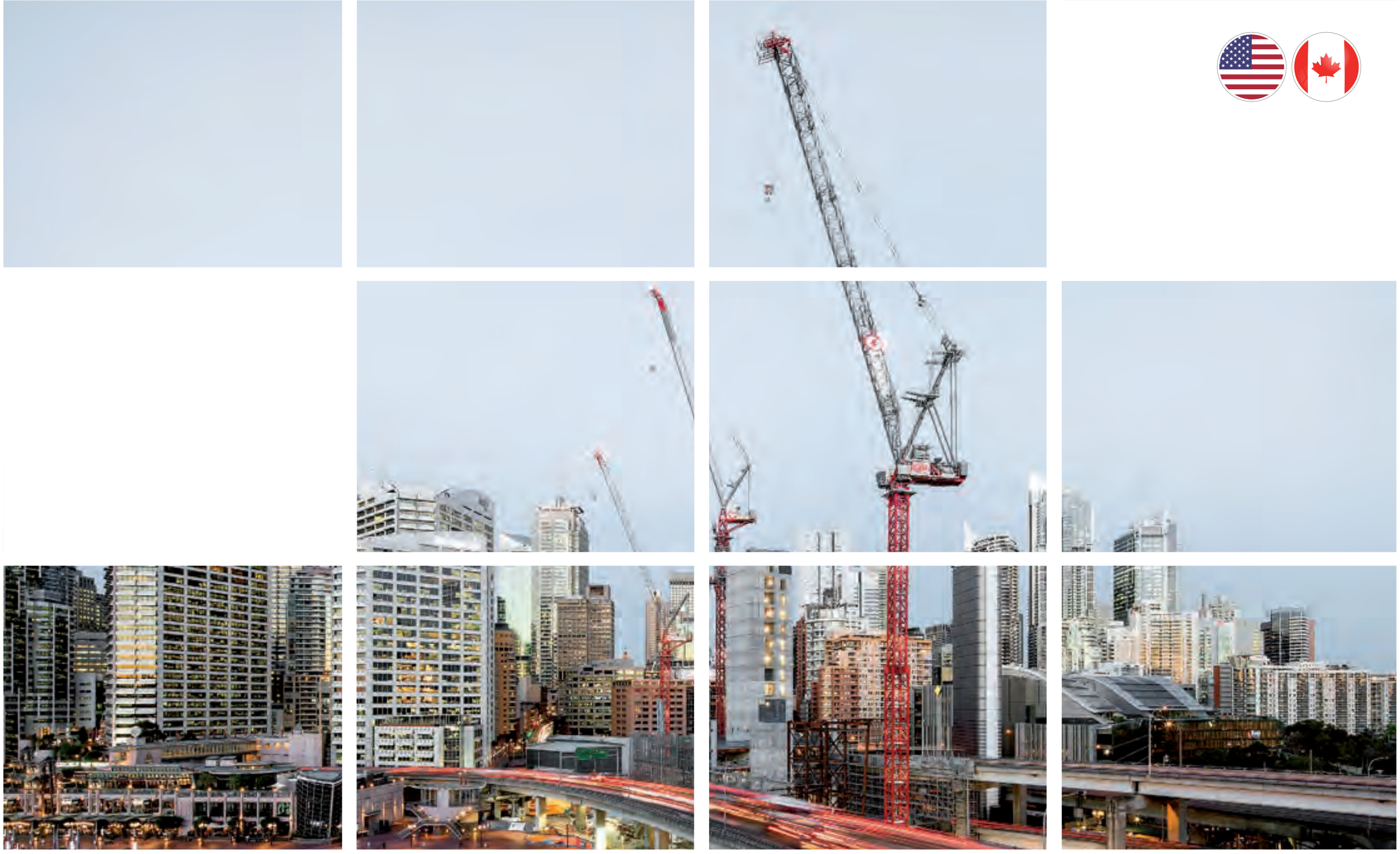


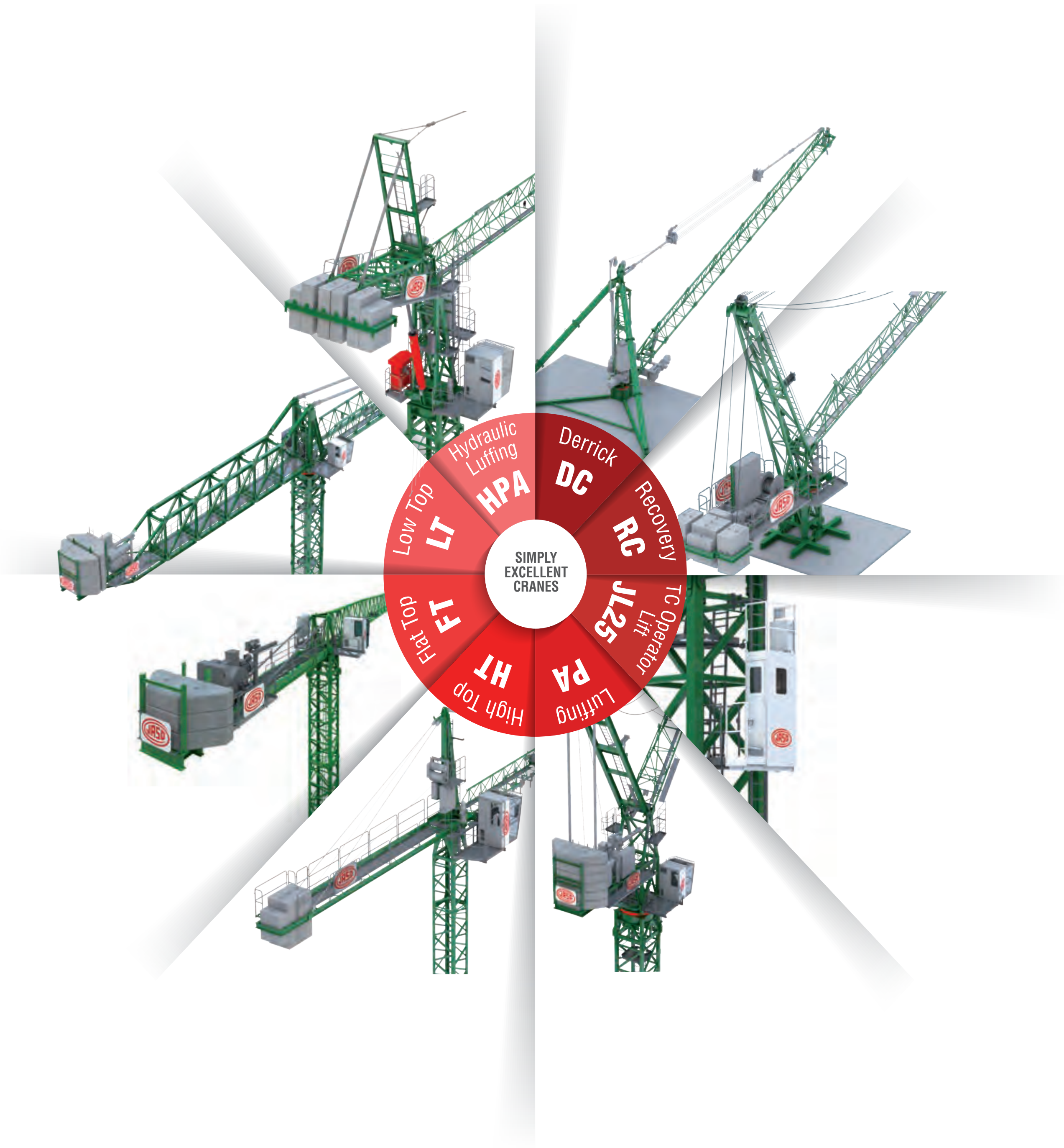
JASO TOWER® CRANES

North America Range

We **build** the cranes that **build** the world.

JASO TOWER® CRANES

Product Range



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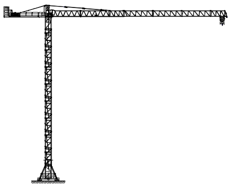
	ft	Max. lb	lb Max.	Pg
HIGH TOP				
J300N.2R.A	246	5500	26500	**5**
FLAT TOP				
J200.10	221	4400	22000	**11**
J235.12	213	5700	26500	**18**
LOW TOP				
J390	246	8400	52900	**27**
J560	279	5500	52900	**31**
J700	262	12100	52900	**35**
J740.36	244	12900	79400	**39**
J800.48	262	11200	105800	**46**
J1400	262	23100	141100	**54**

	ft	Max. lb	lb Max.	Pg
LUFFING				
J265PA	197	4900	39700	**69**
J280PA.2R	197	7100	39700	**67**
J438PA.2R	213	7500	70500	**73**
J450PA	213	7700	79400	**79**
J780PA.60	230	13200	132300	**85**
J780PA.64	230	13700	141100	**91**
J780PA	230	12600	165300	**97**
HYDRAULIC LUFFING				
J168HPA	164	5500	13200	**105**
RECOVERY CRANE & DERRICKS				
J80PA.RC	100	6100	17600	**111**
J1920.DC	62	4400	8800	**115**

Viento fuera de servicio / *Out of service wind*

Consultar / *Consult*

▶ En servicio / *In service*

■ Fuera de servicio / *Out of service*

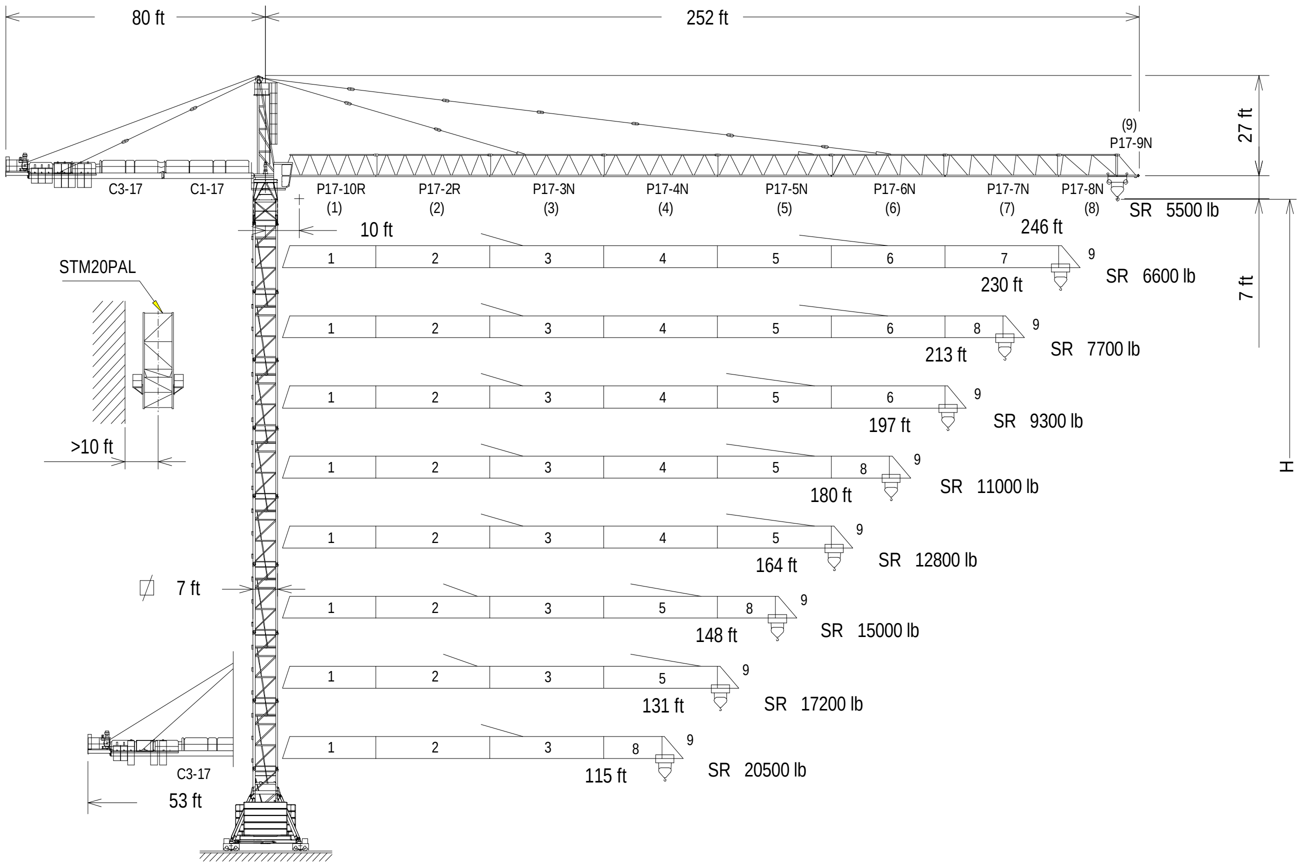

HT
JASO
TOWER
CRANES

GRUA TORRE
TOWER CRANE

J300N.2R.A

CE UNE 58-101 FEM 1001

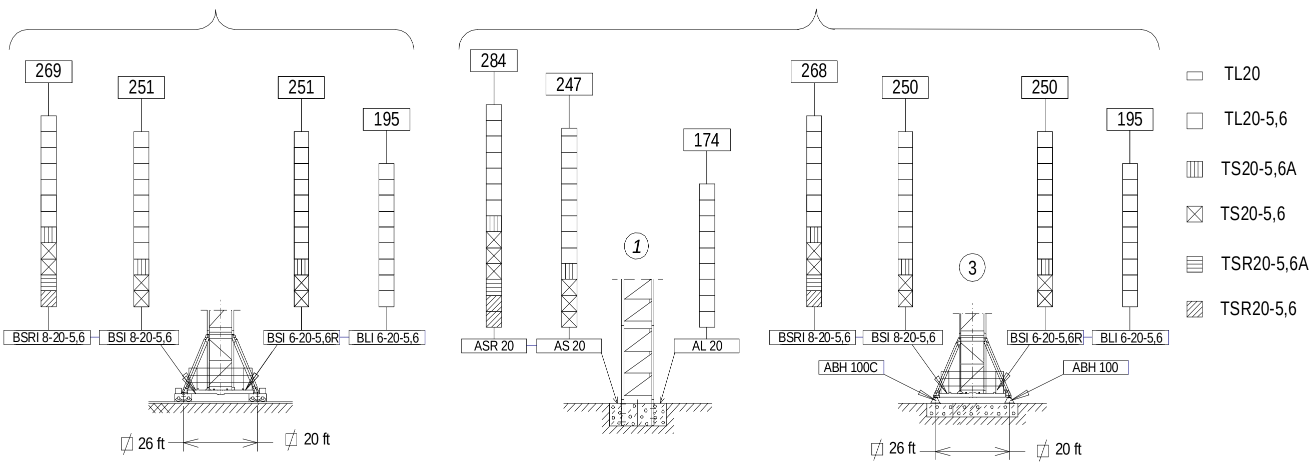
UNE-EN-ISO 9001



H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

(H) TRASLACIÓN / *TRAVELLING*

(H) ESTACIONARIA / *STATIONARY*



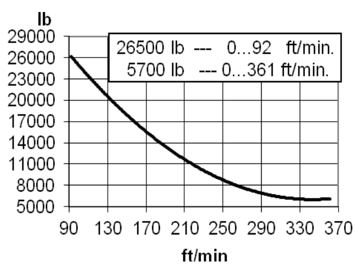
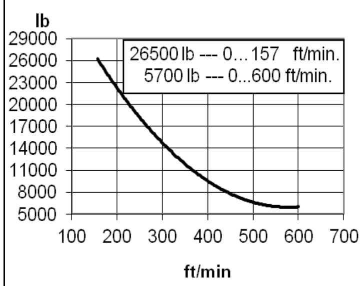
Fecha / *Date:* **16/01/2023**

FEM 1001

CARGAS / *LOADS* — J300N.2R.A

SR (lb)		Cargas máximas / *Maximum loads* SR - 26500 lb											
[ft]	26500 lb @ ... (ft)	*Alcance del gancho [ft] / Hook reach [ft]* 66	82	98	115	131	148	164	180	197	213	230	246
246	66	26500	20800	17000	14300	12200	10600	9300	8300	7400	6700	6100	5500
230	70	26500	22400	18300	15400	13200	11500	10100	9000	8100	7300	6600	—
213	73	26500	23500	19200	16200	13900	12100	10700	9500	8500	7700	—	—
197	78	26500	25200	20700	17400	15000	13100	11500	10300	9300	—	—	—
180	83	26500	26500	22000	18500	16000	13900	12300	11000	—	—	—	—
164	86	26500	26500	22700	19200	16500	14400	12800	—	—	—	—	—
148	89	26500	26500	23600	19900	17100	15000	—	—	—	—	—	—
131	89	26500	26500	23650	20000	17200	—	—	—	—	—	—	—
115	91	26500	26500	24300	20500	—	—	—	—	—	—	—	—

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J300N.2R.A

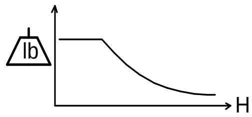
*opcional *optional*	**EC88110VF 65 kW**	*** EC150185VF 110 kW**	**TG2020VF 2x7,3 kW**	**OG2207VF 3x5,5 kW**	**TC7105VF 5,5 kW**	**TH2006 15 kW**
			0...66 ft/min	0...0,8 r/min sl/min	13200 lb 0...344 ft/min 26500 lb 0...171 ft/min	2 ft/min

480V 60Hz

EC88110VF = AMPERAGE = 153 A

EC150185VF = AMPERAGE = 211 A

H H ≤ SR 932 ft



2598 ft

ecoMode

LASTRES INFERIORES / *LOWER BALLASTS* — J300N.2R.A

BSRI 8-20-5,6	H (ft)	**190**		**214**		**269**
	P (lb)	132300		158700		264600
BSI 8-20-5,6	H (ft)	**190**		**214**		**251**
	P (lb)	132300		158700		211600
BSI 6-20-5,6R	H (ft)	**104**	**140**	**196**	**232**	**251**
	P (lb)	132300	158700	211600	264600	317500
BLI 6-20-5,6	H (ft)	**103**		**140**		**195**
	P (lb)	132300		158700		211600

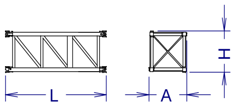
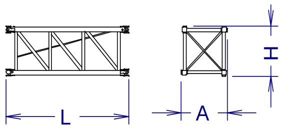
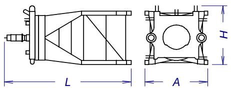
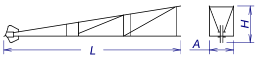
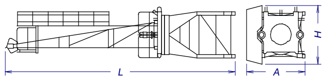
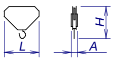
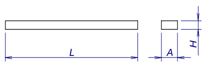
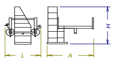
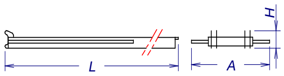
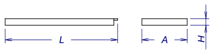
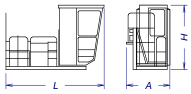
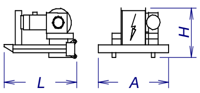
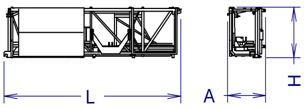
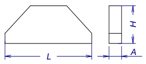
H: Altura bajo gancho / *Height under hook*

Para alturas intermedias tomar el lastre correspondiente a la altura superior / *For intermediate heights take the ballast corresponding to the higher height*

Fecha / *Date:* **16/01/2023**

FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J300N.2R.A

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P/*W* [lb]
Torre inferior *Lower tower*	TLI20-5,6 TSI20-5,6 TSRI20-5,6		19.3 19.6 19.7	7.6 7.6 7.4	7.7 7.8 7.4	9335 11880 14470
Torre *Tower*	TL20 TL20-5,6 TS20-5,6A TS20-5,6 TSR20-5,6A TSR20-5,6		13.7 19.3 19.6 19.6 19.4 19.7	7.2 7.6 7.8 7.6 7.8 7.4	7.5 7.7 7.6 7.8 7.6 7.4	4620 6415 7780 7825 9190 9280
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			16.7	8.3	7.4	16290
Punta de torre *Tower head*			26.9	4.6	6.0	6220
Conjunto asiento pista, punta de torre, orientación *Slewing table assembl +, tower head + slewing*			39.9	10.0	8.1	23700
Tramo de pluma *Jib section*	P17-10R (1) P17-2R (2) P17-3N (3) P17-4N (4) P17-5N (5) P17-6R (6) P17-7N (7) P17-8N (8) P17-9N (9)		28.9 33.4 33.4 33.4 33.4 33.4 33.4 17.4 7.1	5.5 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2	6.5 6.7 6.7 6.2 6.5 6.5 6.2 6.2 7.2	3840 4520 4340 3700 3370 3270 2570 1640 930
Polipasto / *Hook assembly*			4.4	1.0	4.3	880
Tirante sostén pluma *Jib support tie*	Largo / *Long* Corto / *Short*		16.3 19.8	1.3 0.7	2.4 2.3	3540 1920
Carro / *Trolley*			7.6	7.9	5.1	1260
Contrapluma con plataformas *Counterjib with platforms*			39.7	9.1	2.0	6800
Prolongación contrapluma con plataforma *Counterjib extension with platform*			27.2	6.3	1.9	4240
Plataforma y cabina *Platform and cabin*			12.3	6.7	7.9	2820
Soporte y elevación (sin cable) *Support and hoisting (without rope)*	EC 88110 VF		9.9	7.5	7.0	8600
Transporte torre de montaje *Jacking cage transport*		 TM20L-5,6	31.3	6.8	8.3	12540
Lastre *Ballast*			12.5	1.9	4.9	13230

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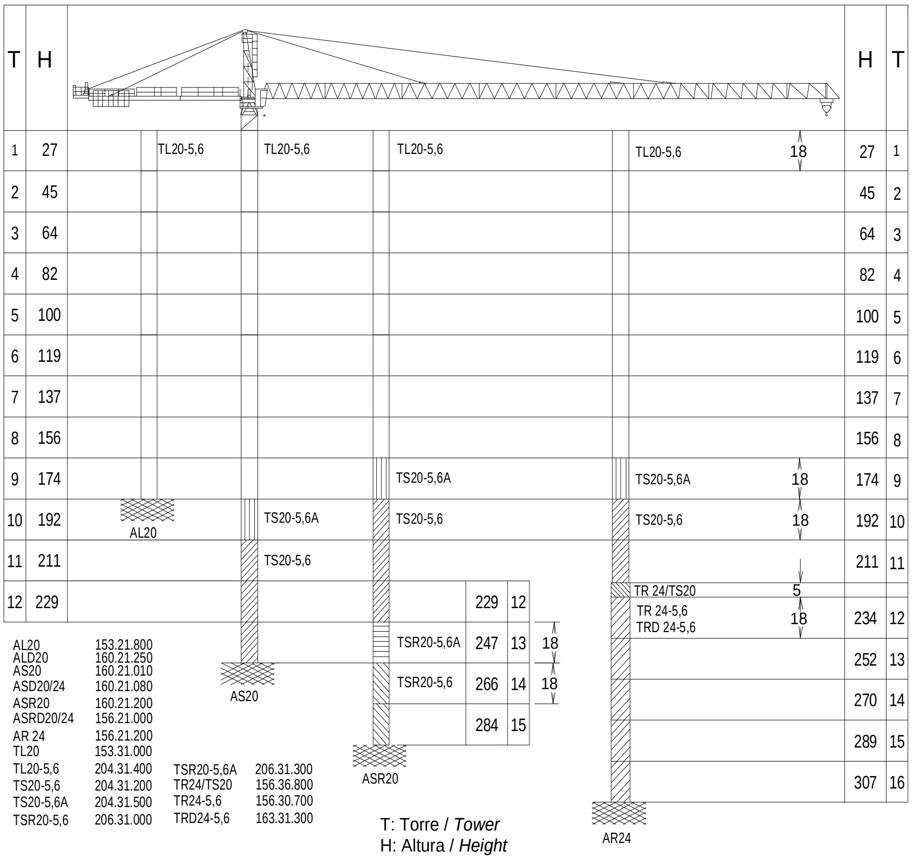
COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* — J300N.2R.A

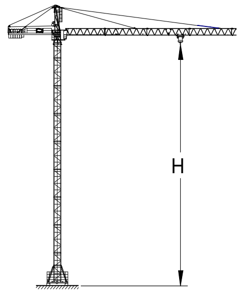


AL20	153.21.800
ALD20	160.21.250
AS20	160.21.010
ASD20/24	160.21.080
ASR20	160.21.200
ASRD20/24	156.21.000
AR 24	156.21.200
TL20	153.31.000
TL20-5,6	204.31.400
TS20-5,6	204.31.200
TS20-5,6A	204.31.500
TSR20-5,6	206.31.000
TSR20-5,6A	206.31.300
TR24/TS20	156.36.800
TR24-5,6	156.30.700
TRD24-5,6	163.31.300

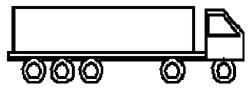
T: Torre / *Tower*
H: Altura / *Height*

Otras configuraciones de torre / *Other tower configuration*

Transporte
Transport



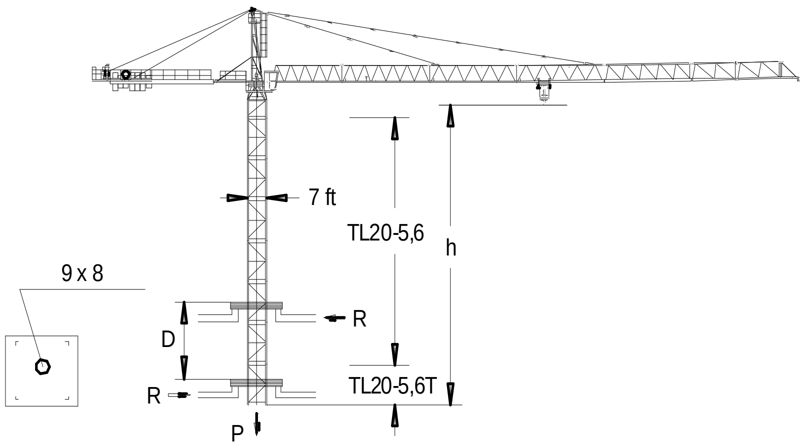
H= 195 ft + + BLI 6-20-5,6



11x

11x

TREPADO / *CLIMBING* — J300N.2R.A



h_{max}: TL20-5,6T + 6xTL20-5,6 + 2xTL20

	▶	■
h (ft)	163	
D (ft)	33 – 66	
P (lbf)	254500	227500
Rmax (lbf)	647400	99600

TL20-5,6T = 136.32.700

Trepado interno / *Internal climbing*

- Viento fuera de servicio / *Out of service wind*
- Consultar / *Consult*
- ▶ En servicio / *In service*
- ■ Fuera de servicio / *Out of service*

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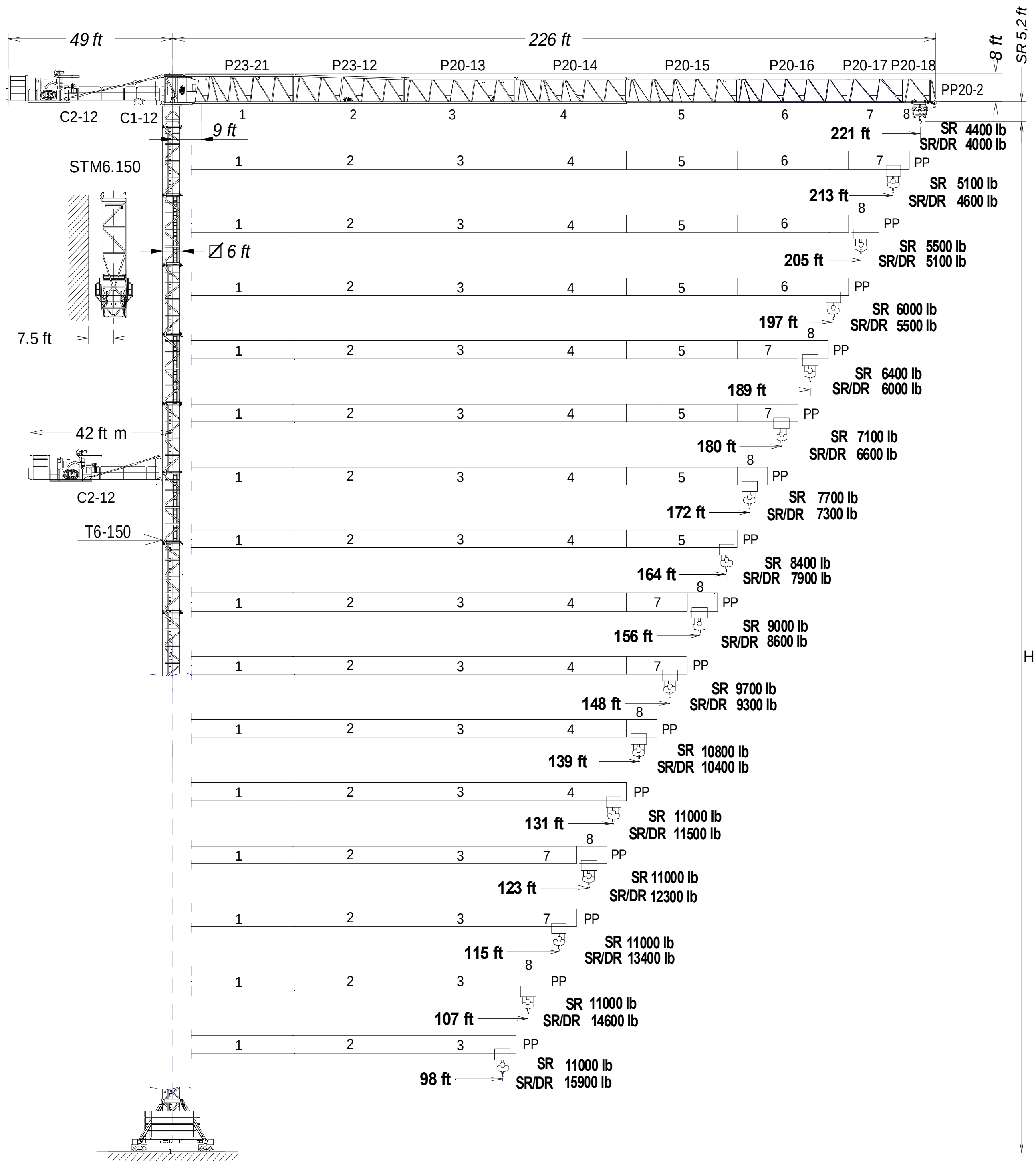

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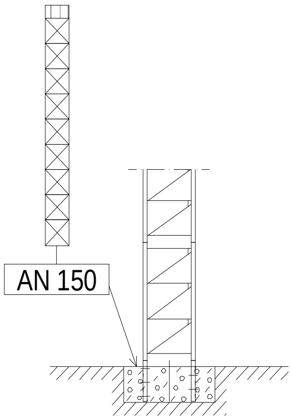
SR

(H_{SR}) ESTACIONARIA 1 / *STATIONARY 1*

	H(ft)		
221	174	9	-
213 - 98	183	9	1



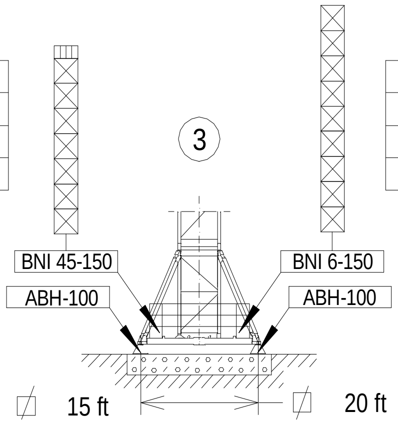
T3-150

T6-150
TD6-150

T12-150

(H_{SR}) ESTACIONARIA 3 / *STATIONARY 3*

	H(ft)		
221 - 197	158	7	-
189 - 148	167	7	1
139 - 98	158	7	-



	H(ft)		
221 - 189	187	8	1
180 - 131	196	9	-
123 - 98	187	8	1

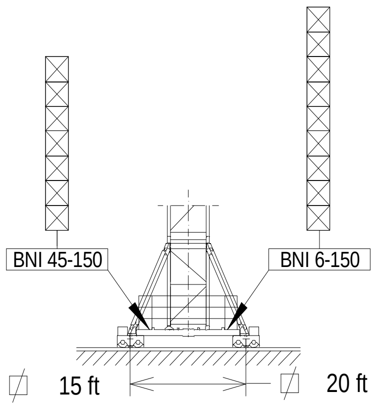
T3-150

T6-150
TD6-150

T12-150

(H_{SR}) TRASLACIÓN / *TRAVELLING*

	H(ft)		
221 - 148	158	7	-
139 - 107	149	6	1
98	158	7	-



	H(ft)		
221 - 189	187	8	1
180 - 131	197	9	-
123 - 98	187	8	1

T3-150

T6-150
TD6-150

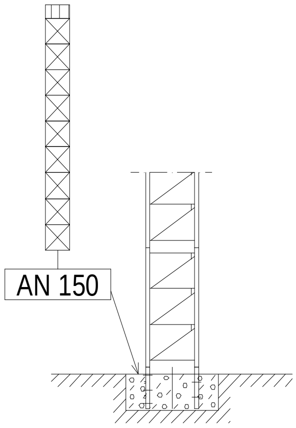
T12-150

H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

SR / DR

($H_{SR/DR}$) ESTACIONARIA 1 / *STATIONARY 1*

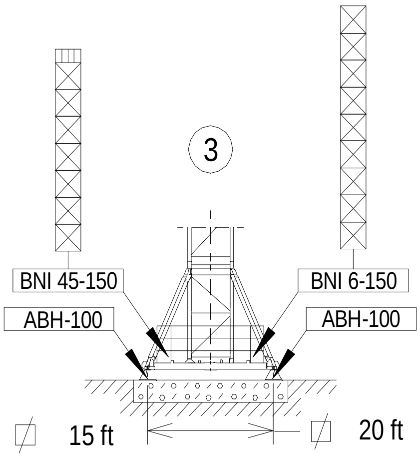
	H(ft)		
221	173	9	-
213 - 98	182	9	1



- T3-150
- T6-150 TD6-150
- T12-150

($H_{SR/DR}$) ESTACIONARIA 3 / *STATIONARY 3*

	H(ft)		
221 - 197	157	7	-
189 - 148	166	7	1
139 - 98	157	7	-

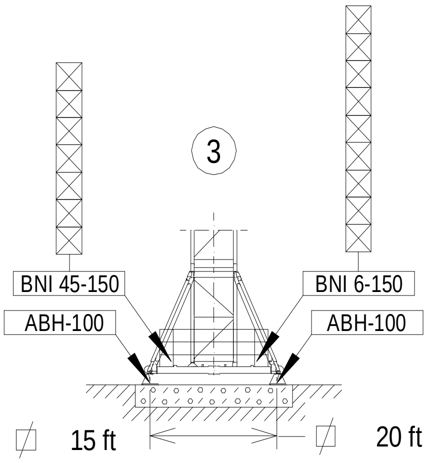


	H(ft)		
221 - 189	186	8	1
180 - 98	195	9	-

- T3-150
- T6-150 TD6-150
- T12-150

($H_{SR/DR}$) TRASLACIÓN / *TRAVELLING*

	H(ft)		
221 - 148	157	7	-
139 - 98	148	6	1



	H(ft)		
221 - 131	186	8	1
123 - 98	196	9	-

- T3-150
- T6-150 TD6-150
- T12-150

H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

CARGAS / *LOADS* — J200.10

SR (lb) — Cargas máximas / *Maximum loads* — **SR – 11000 lb**

Alcance del gancho [ft] / Hook reach [ft]

[ft]	11000 lb @...(ft)	49	66	82	98	107	115	123	131	139	148	156	164	172	180	189	197	205	213	221
221	100	11000	11000	11000	11000	10400	9500	8800	8200	7700	7100	6600	6400	6000	5700	5300	5100	4900	4600	4400
213	108	11000	11000	11000	11000	11000	10400	9500	8800	8400	7700	7300	6800	6600	6200	6000	5600	5300	5100	—
205	111	11000	11000	11000	11000	11000	10600	9900	9300	8600	8200	7500	7100	6800	6400	6200	5700	5600	—	—
197	114	11000	11000	11000	11000	11000	11000	10100	9500	8800	8400	7700	7300	7100	6600	6200	6000	—	—	—
189	116	11000	11000	11000	11000	11000	11000	10400	9700	9000	8400	7900	7500	7100	6800	6400	—	—	—	—
180	121	11000	11000	11000	11000	11000	11000	10800	10100	9500	8800	8400	7900	7500	7100	—	—	—	—	—
172	125	11000	11000	11000	11000	11000	11000	11000	10400	9700	9300	8600	8200	7700	—	—	—	—	—	—
164	128	11000	11000	11000	11000	11000	11000	11000	10800	10100	9500	8800	8400	—	—	—	—	—	—	—
156	130	11000	11000	11000	11000	11000	11000	11000	11000	10100	9700	9000	—	—	—	—	—	—	—	—
148	132	11000	11000	11000	11000	11000	11000	11000	11000	10400	9700	—	—	—	—	—	—	—	—	—
139	137	11000	11000	11000	11000	11000	11000	11000	11000	10800	—	—	—	—	—	—	—	—	—	—
131	131	11000	11000	11000	11000	11000	11000	11000	11000	—	—	—	—	—	—	—	—	—	—	—
123	123	11000	11000	11000	11000	11000	11000	11000	—	—	—	—	—	—	—	—	—	—	—	—
115	115	11000	11000	11000	11000	11000	11000	—	—	—	—	—	—	—	—	—	—	—	—	—
107	107	11000	11000	11000	11000	11000	—	—	—	—	—	—	—	—	—	—	—	—	—	—
98	98	11000	11000	11000	11000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

CARGAS / *LOADS* — J200.10

SR/DR (lb) — Cargas máximas / *Maximum loads* — **SR / DR – 11000 / 22000 lb**

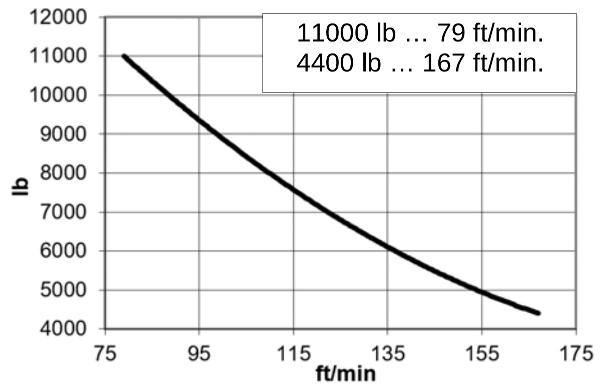
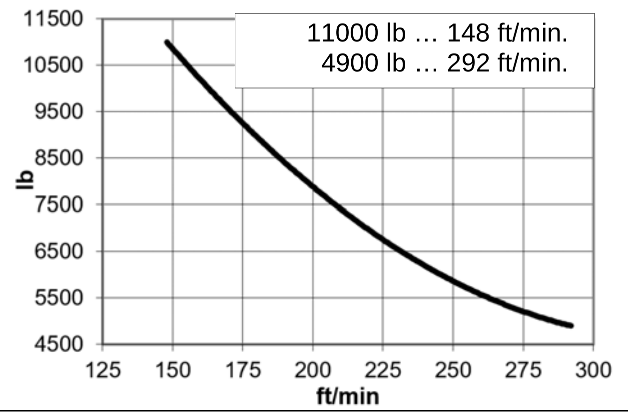
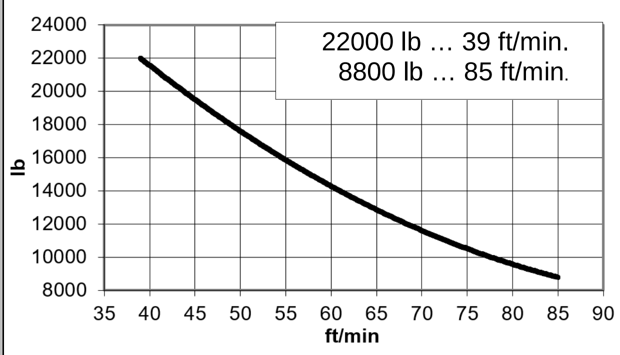
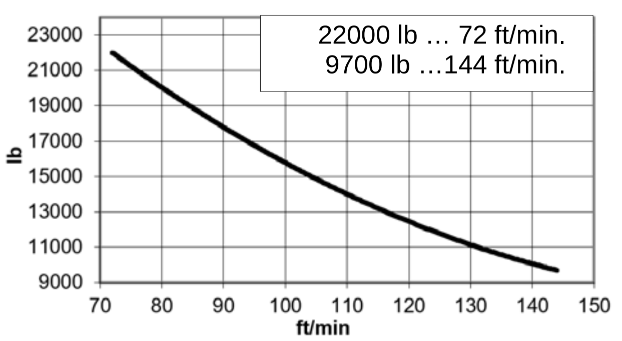
Alcance del gancho [ft] / Hook reach [ft]

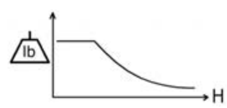
[ft]	11000 / 22000 lb @...(ft)	49	66	82	98	107	115	123	131	139	148	156	164	172	180	189	197	205	213	221
221	97 / 52	11000 / 22000	11000 / 17000	11000 / 13200	10800	9900	9000	8400	7700	7300	6600	6200	6000	5500	5300	4900	4600	4400	4200	4000
213	105 / 56	11000 / 22000	11000 / 18500	11000 / 14600	11000 / 11900	10800	9900	9000	8400	7900	7300	6800	6400	6200	5700	5500	5100	4900	4600	—
205	108 / 57	11000 / 22000	11000 / 19200	11000 / 15000	11000 / 12100	11000 / 11200	10100	9500	8800	8200	7700	7100	6600	6400	6000	5700	5300	5100	—	—
197	110 / 59	11000 / 22000	11000 / 19600	11000 / 15400	11000 / 12600	11000 / 11500	10600	9700	9000	8400	7900	7300	6800	6600	6200	5700	5500	—	—	—
189	113 / 60	11000 / 22000	11000 / 20100	11000 / 15700	11000 / 12800	11000 / 11700	10800	9900	9300	8600	7900	7500	7100	6600	6400	6000	—	—	—	—
180	117 / 62	11000 / 22000	11000 / 20900	11000 / 16300	11000 / 13400	11000 / 12300	11000 / 11200	10400	9700	9000	8400	8000	7500	7100	6600	—	—	—	—	—
172	121 / 64	11000 / 22000	11000 / 21600	11000 / 17000	11000 / 13900	11000 / 12800	11000 / 11700	10800	9900	9300	8800	8200	7700	7300	—	—	—	—	—	—
164	124 / 66	11000 / 22000	11000 / 22000	11000 / 17400	11000 / 14300	11000 / 13000	11000 / 11900	11000	10400	9700	9000	8400	7900	—	—	—	—	—	—	—
156	126 / 67	11000 / 22000	11000 / 22000	11000 / 17600	11000 / 14600	11000 / 13200	11000 / 12100	11000 / 11200	10600	9700	9300	8600	—	—	—	—	—	—	—	—
148	127 / 68	11000 / 22000	11000 / 22000	11000 / 17900	11000 / 14600	11000 / 13500	11000 / 12300	11000 / 11500	10600	9900	9300	—	—	—	—	—	—	—	—	—
139	132 / 70	11000 / 22000	11000 / 22000	11000 / 18700	11000 / 15200	11000 / 14100	11000 / 13000	11000 / 11900	11000	10400	—	—	—	—	—	—	—	—	—	—
131	131 / 72	11000 / 22000	11000 / 22000	11000 / 19200	11000 / 15900	11000 / 14600	11000 / 13200	11000 / 12300	11000 / 11500	—	—	—	—	—	—	—	—	—	—	—
123	123 / 73	11000 / 22000	11000 / 22000	11000 / 19200	11000 / 15900	11000 / 14600	11000 / 13200	11000 / 12300	—	—	—	—	—	—	—	—	—	—	—	—
115	115 / 73	11000 / 22000	11000 / 22000	11000 / 19400	11000 / 15900	11000 / 14600	11000 / 13400	—	—	—	—	—	—	—	—	—	—	—	—	—
107	107 / 73	11000 / 22000	11000 / 22000	11000 / 19400	11000 / 15900	11000 / 14600	—	—	—	—	—	—	—	—	—	—	—	—	—	—
98	98 / 73	11000 / 22000	11000 / 22000	11000 / 19400	11000 / 15900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fecha / *Date:* **16/01/2023**

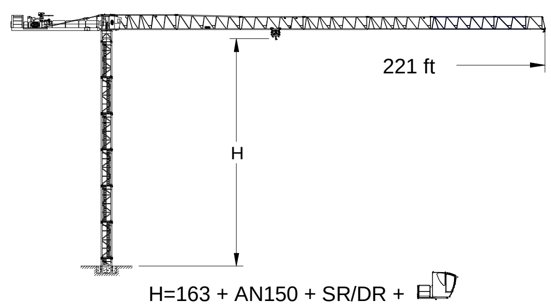
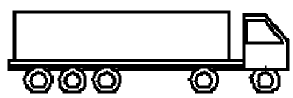
FEM 1001

CARACTERISTICAS DE MECANISMOS/ *MECHANISMS FEATURES* J200.10

*opcional *optional	EC3351VF 24,3 kW	*EC6089VF 44,1 kW
		
		
H	H ≤ SR 1142 ft DR 571 ft	H ≤ SR 1752 ft DR 876 ft
	2989 ft	4521 ft

TG2020VF 2 x 7,3 kW	OG2208VF 3 x 5,5 kW	TC770VF 5,5 kW	TH1506 11 kW	*480V* 60Hz	
0...66 ft/min	0...0,8 r/min sl/min	11000 lb 0...230 ft/min 22000 lb 0...115 ft/min	3 ft/min	**EC3351VF : AMPERAGE = 68 A** **EC6089VF : AMPERAGE = 97 A**	

TRANSPORTE / *TRANSPORT* J200.10

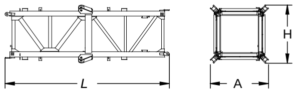
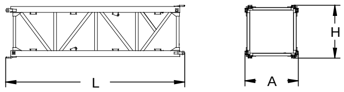
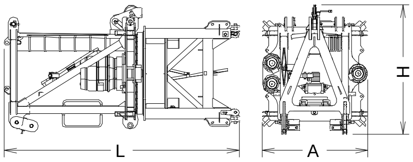
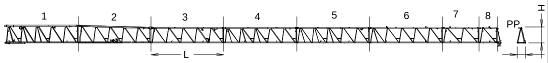
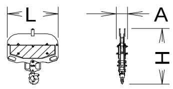
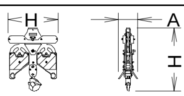
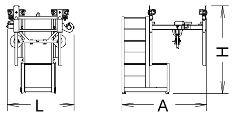
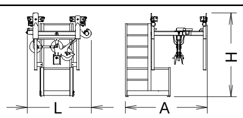
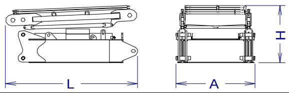
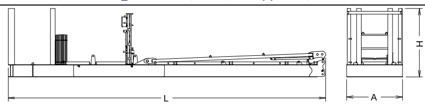
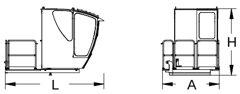
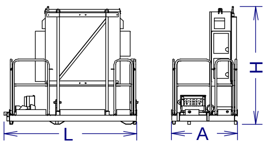
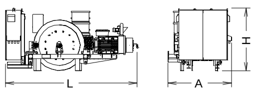
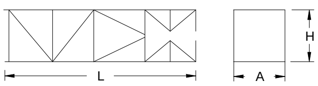
H=163 + AN150 + SR/DR +	**9 x** 	**10 x** HIGH CUBE 40'

Viento fuera de servicio / *Out of service wind*
Consultar / *Consult*
▶ En servicio / *In service*
■ Fuera de servicio / *Out of service*

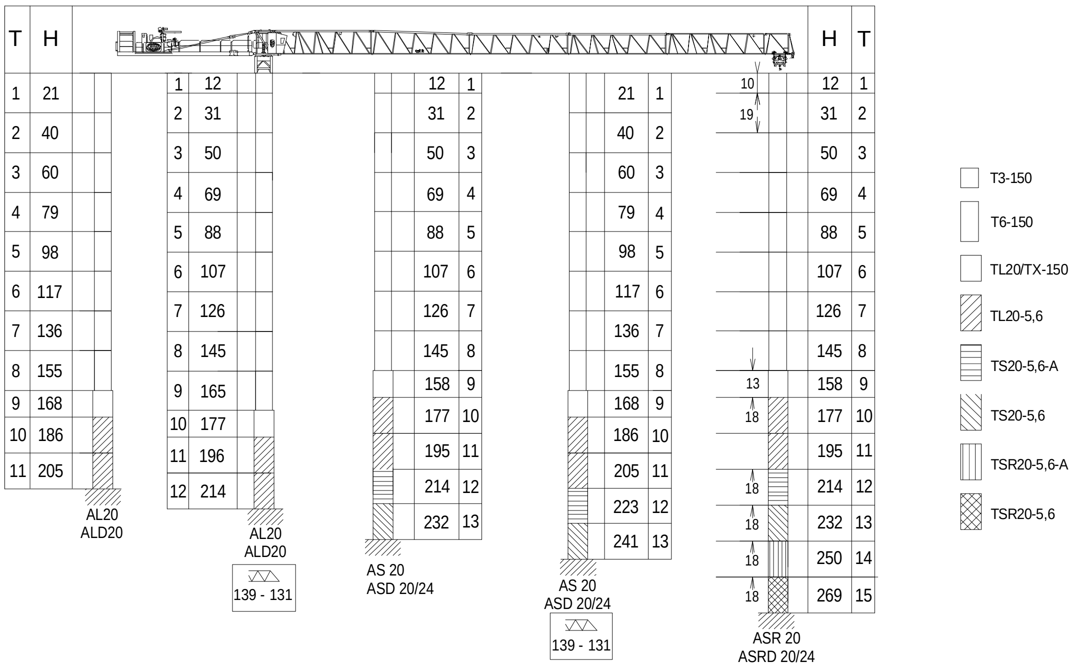
Fecha / *Date:* **16/01/2023**

FEM 1001

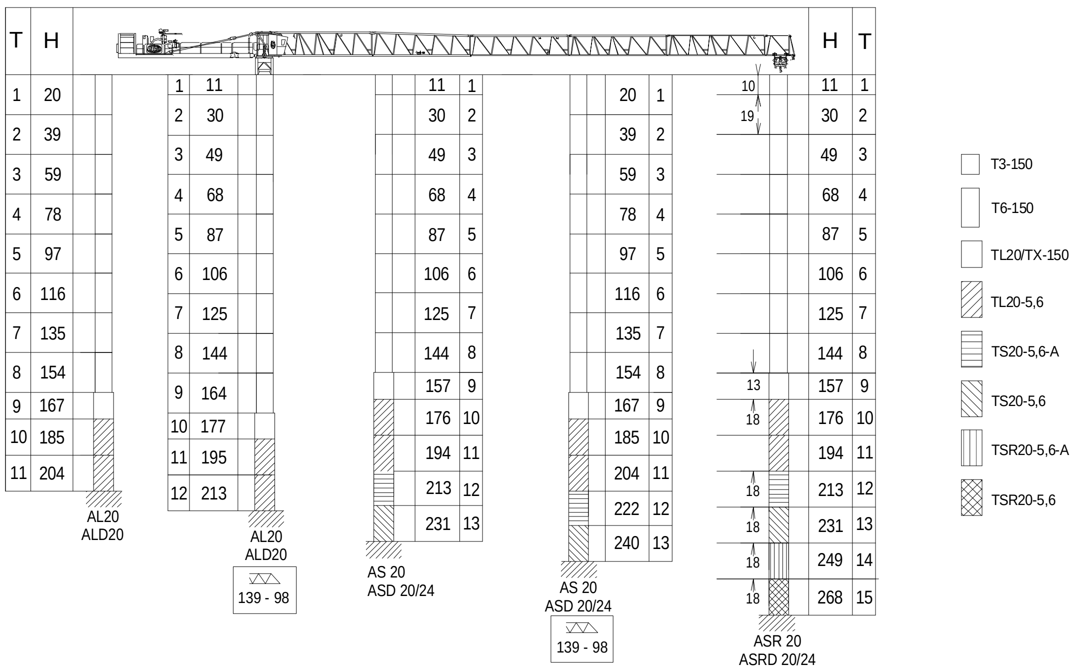
LISTA DE EMBARQUE / *PACKING LIST* J200.10

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre inferior / *Lower tower*	TI-6-150		20.3	7.2	7.2	7795
Torre /*Tower*	T6-150 TD6-150 T3-150 T12-150		20.3 20.3 10.7 39.4	6.1 6.1 6.1 6.1	6.1 6.1 6.1 6.1	6085 6460 3420 11420
Torre asiento pista + punta de torre + orientación *Slewing table + tower head + slewing mechanism*			15.2	6.8	8.2	15215
Tramo de pluma *Jib section*	P23-21 P23-12+tr P20-13 P20-14 P20-15 P20-16 P20-17 P20-18 PP20-2		33.7 33.7 33.6 33.4 33.4 33.4 17.0 8.8 2.9	4.4 3.7 3.7 3.7 3.7 3.7 3.7 3.7 4.2	8.2 8.1 7.3 7.2 7.1 7.3 7.3 7.2 8.2	5680 5670 3570 2635 1800 1260 775 420 290
Polipasto *Hook assembly*	SR – 11000 lb		3.0	0.7	3.3	375
	SR / DR – 22000 lb		3.1	1.2	4.0	725
Carro / *Trolley*	SR – 11000 lb		5.1	6.4	6.2	675
	SR / DR – 22000 lb		5.0	6.4	6.2	785
Contrapluma / *Counterjib*	C1-12		7.9	4.7	3.6	2385
Contrapluma / *Counterjib*	C2-12		39.3	6.9	8.2	12205
Plataforma y cabina / *Platform and cabin*			11.5	6.8	7.9	2470
Armario eléctrico y plataforma *Electrical cabinet and platform*			8.7	4.3	7.7	1810
Soporte y elevación (sin cable) *Support and hoisting (without rope)*			10.5	5.1	5.6	5315
Estructura torre de montaje *Jacking cage structure*		TM6-150 	33.9	7.9	7.6	7720

SR



SR / DR



T: Torre / *Tower / Tour*
H: Altura / *Height*

TL20/TX-150	161.36.000
TL20-5,6	204.31.400
TS20-5,6A	204.31.500
TS20-5,6	204.31.200
TSR20-5,6A	206.31.300
TSR20-5,6	206.31.000

AL 20	153.21.800
ALD 20	160.21.250
AS 20	160.21.010
ASD 20/24	160.21.080
ASR 20	160.21.200
ASRD 20/24	156.21.000

Otras configuraciones de torre / *Other tower configuration*

Ctra./*Rd.* Madrid - Irún Km. 415 - 20.213 IDIAZABAL [Gipuzkoa] ESPAÑA / *SPAIN*
P.O. Box, 23 - 20.200 BEASAIN - E-mail: jaso@jaso.com
Tel. +34 943 - 18 70 00 • Fax. +34 943 - 18 70 20
www.jaso.com

Fecha / *Date:* **16/01/2023**

FEM 1001

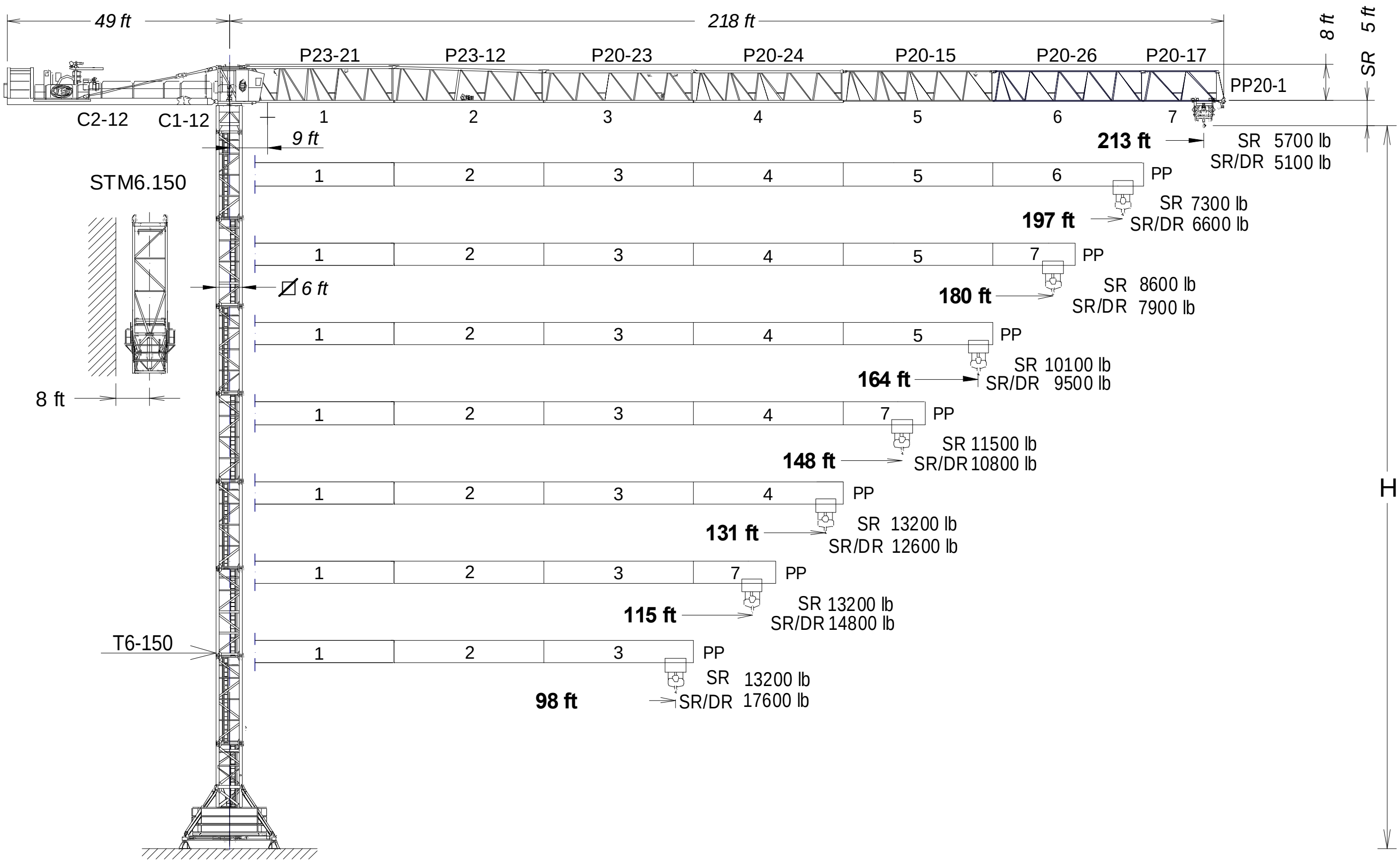
DELEGACION / *DEALER*

J235.12

GRUA TORRE
TOWER CRANE

EN 14439
C25

UNE-EN-ISO 9001

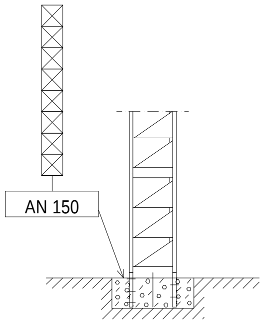


Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

(H_{SR}) ESTACIONARIA 1 / *STATIONARY 1*

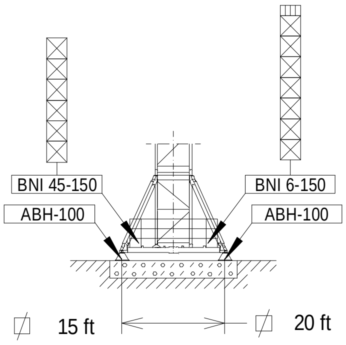
	H(ft)		
213 - 98	155	8	-



- T3-150
- T6-150 TD6-150
- T12-150

(H_{SR}) ESTACIONARIA 3 / *STATIONARY 3*

	H(ft)		
213 - 197	139	6	-
180 - 98	129	5	1

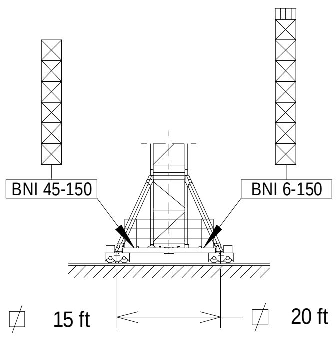


	H(ft)		
213 - 98	167	7	1

- T3-150
- T6-150 TD6-150
- T12-150

(H_{SR}) TRASLACIÓN / *TRAVELLING*

	H(ft)		
213 - 197	139	6	-
180 - 98	130	5	1



	H(ft)		
213 - 98	168	7	1

- T3-150
- T6-150 TD6-150
- T12-150

H_{SR} = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

$H_{SR/DR} = H_{SR} – 2$ ft

CARGAS / *LOADS* J235.12

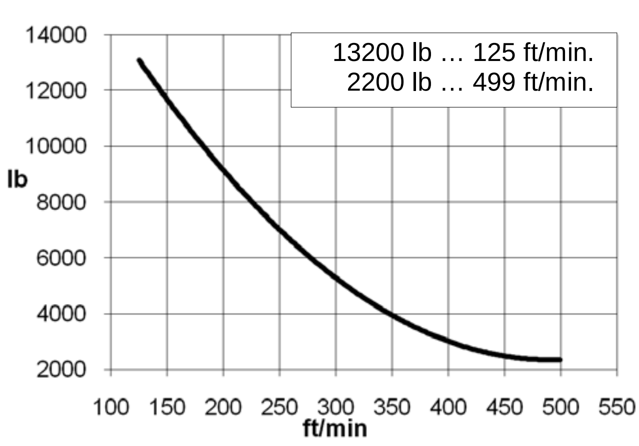
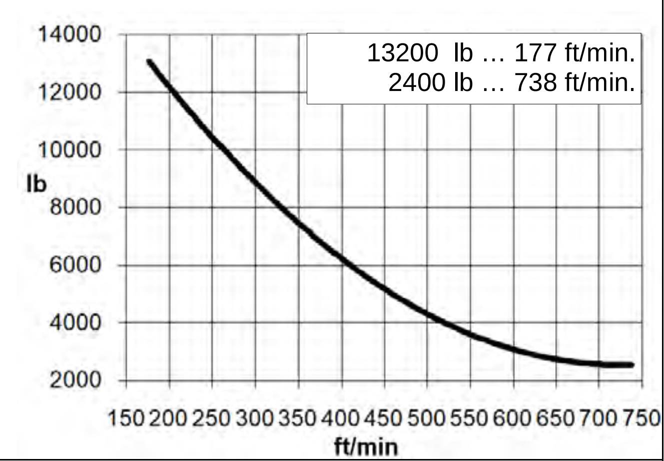
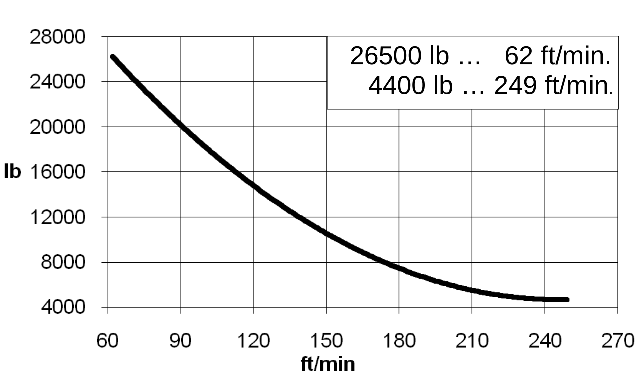
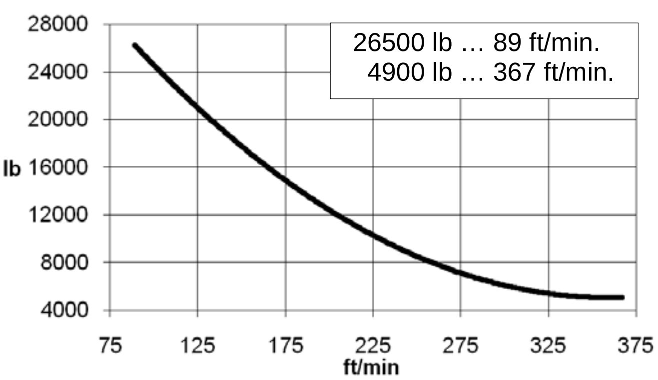
SR (t)		Cargas máximas / *Maximum loads* **SR – 13200 lb**								
[ft]	**13200 t @ ...(ft)**	Alcance del gancho [ft] / *Hook reach [ft]*								
		82	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**
213	103	13200	13200	11700	10100	8800	7800	7000	6300	5700
197	116	13200	13200	13200	11500	10100	9000	8000	7300	—
180	123	13200	13200	13200	12300	10800	9600	8600	—	—
164	129	13200	13200	13200	13000	11400	10100	—	—	—
148	130	13200	13200	13200	13100	11500	—	—	—	—
131	131	13200	13200	13200	13200	—	—	—	—	—
115	115	13200	13200	13200	—	—	—	—	—	—
98	98	13200	13200	—	—	—	—	—	—	—

CARGAS / *LOADS* J235.12

-		Cargas máximas / *Maximum loads* **SR / DR – 13200 / 26500 lb**										
[ft]	**13200 lb 26500 lb @ ...(ft)**	Alcance del gancho [ft] / *Hook reach [ft]*										
		49	**66**	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**
213	97 - 52	13200 26500	13200 20400	13200 16000	13200 13000	10900	9400	8100	7100	6300	5600	5100
197	110 - 58	13200 26500	13200 23300	13200 18300	13200 15000	12600	10800	9400	8300	7400	6600	—
180	117 - 62	13200 26500	13200 24900	13200 19600	13200 16000	13200 13500	11600	10100	8900	7900	—	—
164	123 - 65	13200 26500	13200 26300	13200 20700	13200 17000	13200 14300	12300	10700	9500	—	—	—
148	124 - 66	13200 26500	13200 26500	13200 20800	13200 17100	13200 14400	12400	10800	—	—	—	—
131	125 - 67	13200 26500	13200 26500	13200 21100	13200 17300	13200 14600	12600	—	—	—	—	—
115	115 - 67	13200 26500	13200 26500	13200 21400	13200 17500	13200 14800	—	—	—	—	—	—
98	98 - 68	13200 26500	13200 26500	13200 21500	13200 17600	—	—	—	—	—	—	—

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* J235.12

*opcional
optional

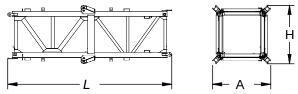
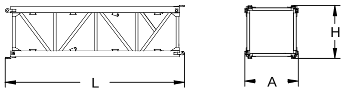
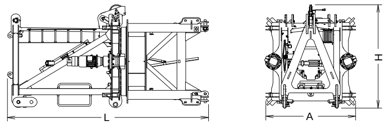
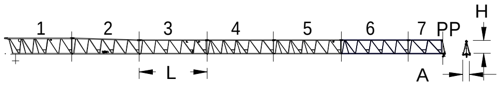
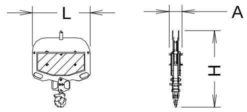
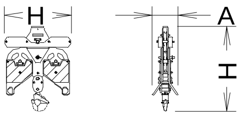
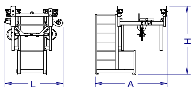
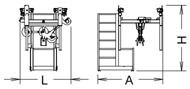
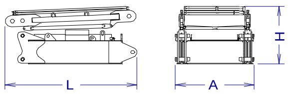
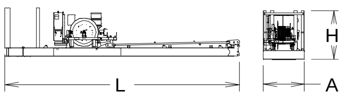
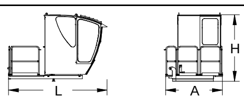
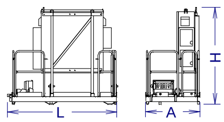
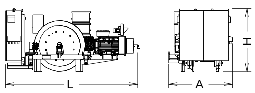
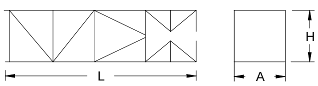
	EC60152VF 45 kW	*EC88225VF 65 kW
		
		

OG1507VF 2 x 5,5 kW	TC770VF 5,5 kW	TG2020VF 2x7,3 kW	TH1506 11 kW	*480V* 60Hz EC60152VF: AMPERAGE = 118 A EC88225VF: AMPERAGE = 156 A	lb / H
0...0,8 r/min sl/min	13200 lb 0...230 ft/min 26500 lb 0...115 ft/min	0...66 ft/min	3 ft/min	H ≤ SR 1752 ft, DR 876 ft 4521 ft	**ecoMode**

Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

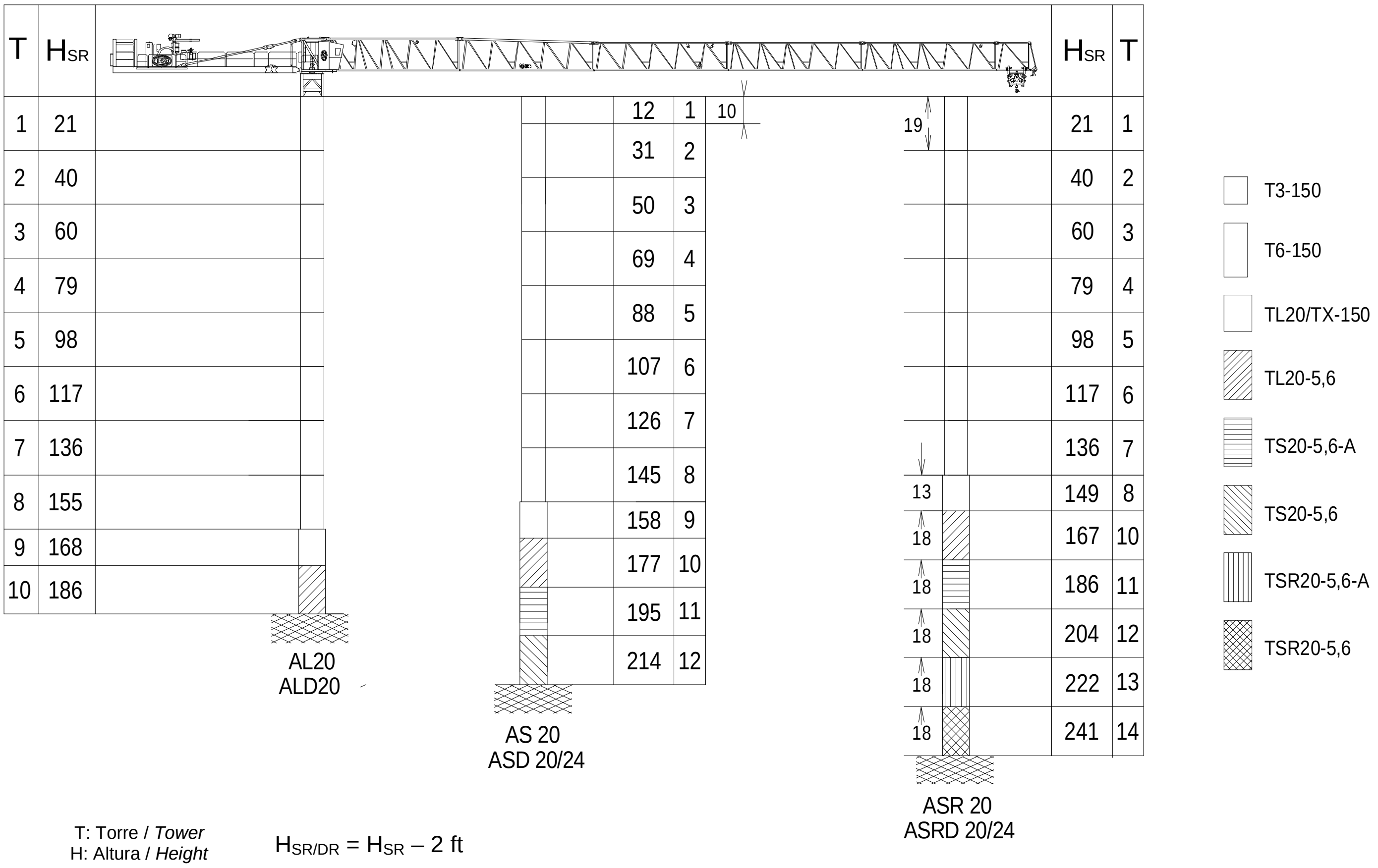
LISTA DE EMBARQUE / *PACKING LIST* J235.12

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre inferior *Lower tower*	TI-6-150		20.3	7.2	7.2	7800
Torre *Tower*	T6-150 TD6-150 T3-150 T12-150		20.3 20.3 10.7 39.4	6.1 6.1 6.1 6.1	6.1 6.1 6.1 6.1	6085 6460 3420 11420
Torre asiento pista + punta de torre + orientación *Slewing table + tower head + slewing mechanism*			15.2	6.8	8.2	14885
Tramo de pluma *Jib section*	P23-21 P23-12+tr P20-23 P20-24 P20-15 P20-26 P20-17 PP20-1		33.7 33.7 33.6 33.4 33.4 33.4 17.0 2.9	4.4 3.7 3.7 3.7 3.7 3.7 3.7 4.2	8.2 8.1 7.3 7.2 7.1 7.3 7.3 8.2	5730 5670 3730 2700 1800 1290 770 290
Polipasto *Hook assembly*	SR 13200 lb		2.8	0.7	3.7	485
	SR/DR 26500 lb		3.3	1.3	4.3	860
Carro	SR 13200 lb		5.1	6.3	6.2	705
Trolley	SR/DR 26500 lb		5.8	6.4	6.1	880
Contrapluma *Counterjib*	C1-12		7.9	4.7	3.6	2380
Contrapluma + Elevación *Counterjib + Hoisting*	C2-12		39.3	6.9	8.2	20380
Plataforma y cabina *Platform and cabin*			11.5	6.8	7.9	2470
Armario eléctrico y plataforma *Electrical cabinet and platform*			8.7	4.3	7.7	1810
Soporte y elevación (sin cable) *Support and hoisting (without rope)*			12.5	6.0	6.0	8180
Estructura torre de montaje *Jacking cage structure*		TM6-150 	33.9	7.9	7.6	7720

Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* — J235.12



AL20 / ALD20

T	H_{SR}
1	21
2	40
3	60
4	79
5	98
6	117
7	136
8	155
9	168
10	186

AS 20 / ASD 20/24

H_{SR}	T
12	1
31	2
50	3
69	4
88	5
107	6
126	7
145	8
158	9
177	10
195	11
214	12

ASR 20 / ASRD 20/24

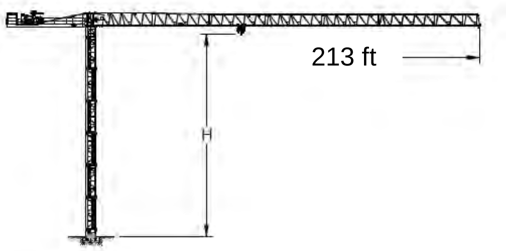
H_{SR}	T
21	1
40	2
60	3
79	4
98	5
117	6
136	7
149	8
167	10
186	11
204	12
222	13
241	14

T: Torre / *Tower*
H: Altura / *Height*

$H_{SR/DR} = H_{SR} - 2$ ft

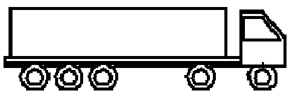
Otras configuraciones de torre / *Other tower configuration*

TRANSPORTE / *TRANSPORT* — J235.12



H= 153 + AN150 + SR/DR +

9 x



9 x HIGH CUBE 40'

Viento fuera de servicio / *Out of service wind*

Consultar / *Consult*

▶ En servicio / *In service*

■ Fuera de servicio / *Out of service*

Ctra./*Rd.* Madrid - Irún Km. 415 - 20.213 IDIAZABAL [Gipuzkoa] ESPAÑA / *SPAIN*
P.O. Box, 23 - 20.200 BEASAIN - E-mail: jaso@jaso.com
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www.jaso.com

Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

DELEGACION / *DEALER*

Ctra./*Rd.* Madrid - Irún Km. 415 - 20.213 IDIAZABAL [Gipuzkoa] ESPAÑA / *SPAIN*
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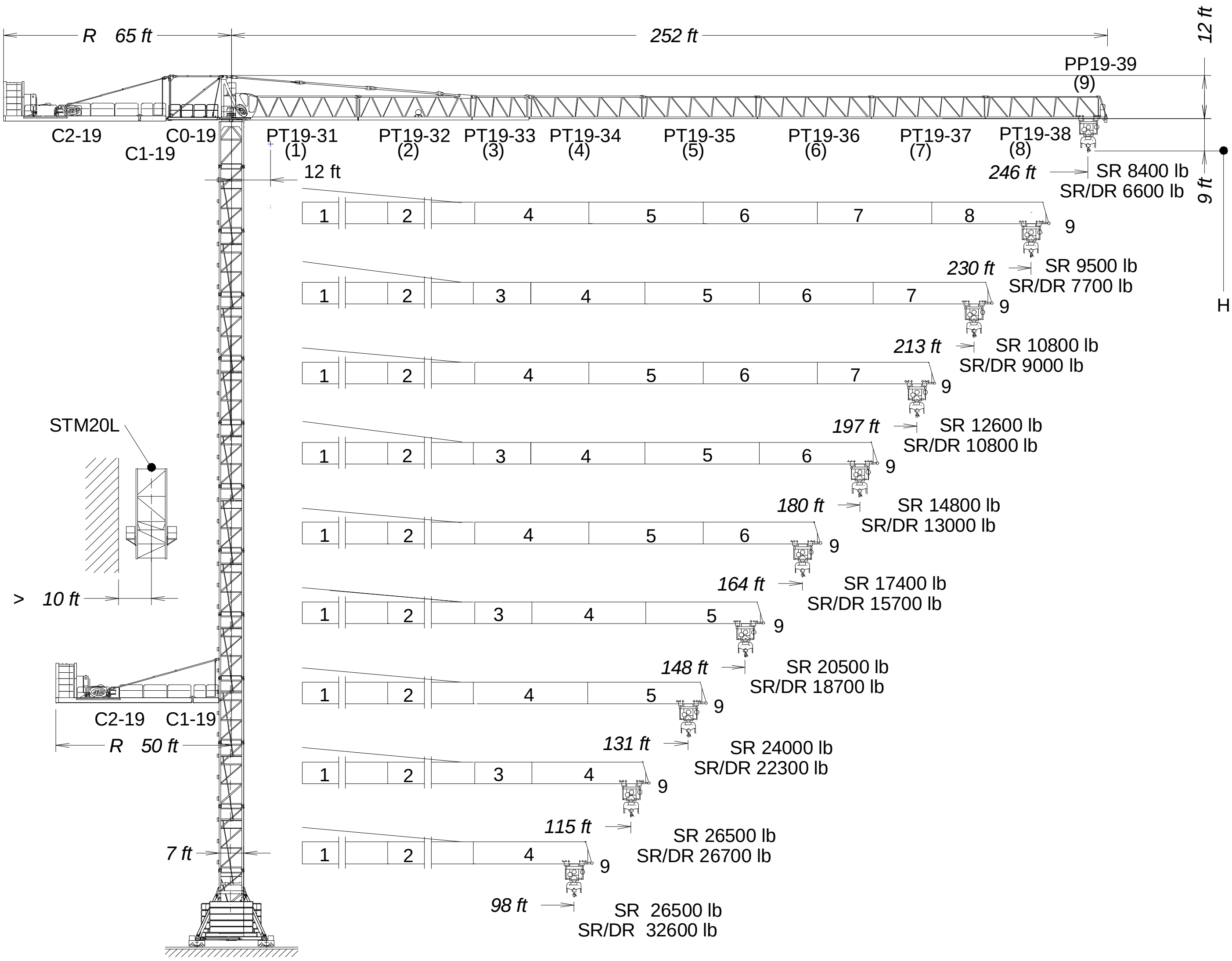
martens

GRUA TORRE *TOWER CRANE* J390

UNE 58-101
FEM 1001

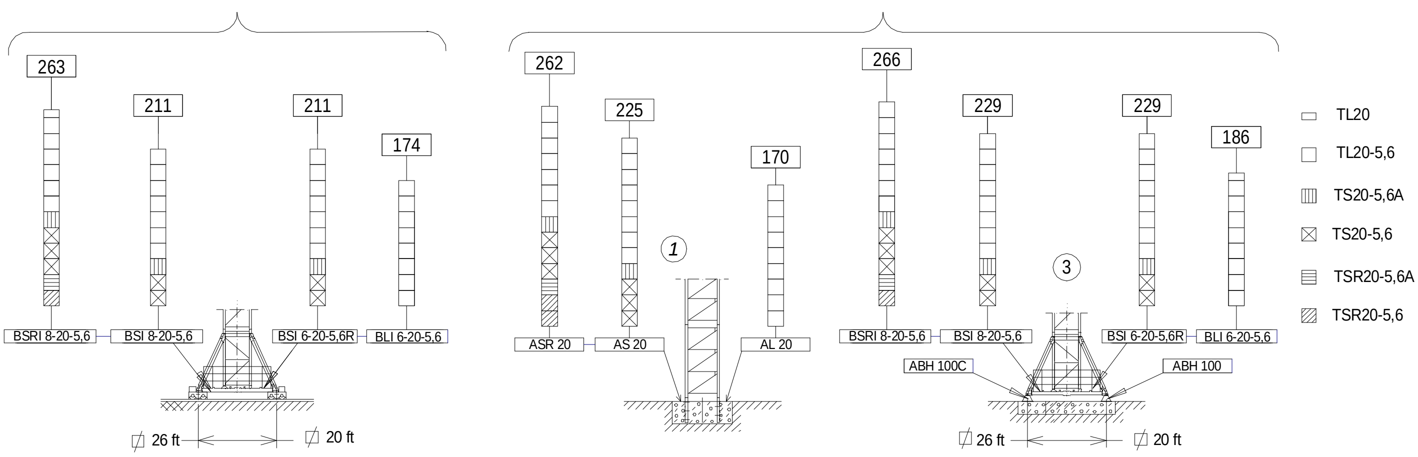
UNE-EN-ISO 9001



H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

(H) TRASLACIÓN / *TRAVELLING*

(H) ESTACIONARIA / *STATIONARY*



Fecha / *Date:* **16/01/2023**

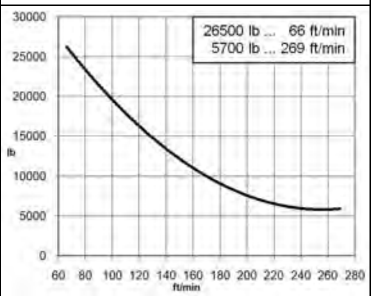
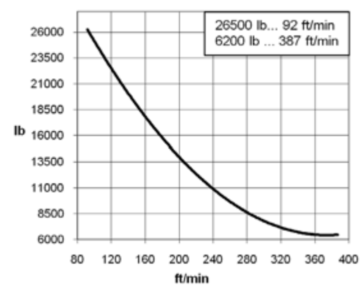
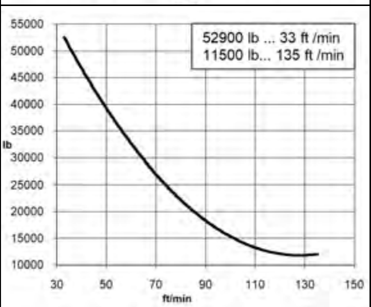
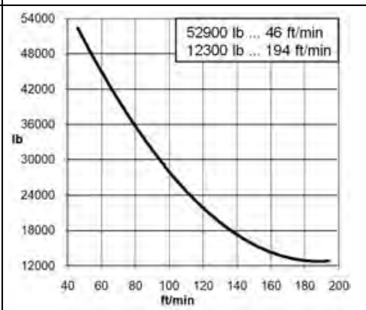
FEM 1001

CARGAS / *LOADS* J390

SR (lb)	26500 lb @ ... (ft)	Cargas máximas / *Maximum loads* SR – 26500 lb												
[ft]		Alcance del gancho [ft] / *Hook reach [ft]*												
		49	**66**	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**	**230**	**246**
246	91	26500	26500	26500	24300	20500	17600	15400	13700	12200	11000	10000	9100	8400
230	94	26500	26500	26500	25100	21200	18300	16000	14200	12700	11400	10400	9500	—
213	97	26500	26500	26500	26000	22000	18900	16600	14700	13200	11900	10800	—	—
197	101	26500	26500	26500	26500	23100	20000	17500	15500	14600	12600	—	—	—
180	107	26500	26500	26500	26500	24500	21100	18500	16500	14800	—	—	—	—
164	112	26500	26500	26500	26500	25800	22300	19600	17400	—	—	—	—	—
148	117	26500	26500	26500	26500	26500	23300	20500	—	—	—	—	—	—
131	120	26500	26500	26500	26500	26500	24000	—	—	—	—	—	—	—
115	115	26500	26500	26500	26500	26500	—	—	—	—	—	—	—	—
98	98	26500	26500	26500	26500	—	—	—	—	—	—	—	—	—

SR /DR (lb)	26500/52900 lb @ ... (ft)	Cargas máximas / *Maximum loads* SR / DR - 26500 / 52900 lb												
[ft]		Alcance del gancho [ft] / *Hook reach [ft]*												
		49	**66**	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**	**230**	**246**
246	86/46	26500/49100	26500/35800	26500/27800	22500	18700	15900	13700	11900	10500	9300	8200	7400	6600
230	88/47	26500/50700	26500/37000	26500/28800	23300	19400	16500	14200	12400	10900	9700	8600	7700	—
213	91/49	26500/52500	26500/38400	26500/29900	24300	20200	17200	14800	12900	11400	10100	9000	—	—
197	96/51	26500/52900	26500/40400	26500/31500	25600	21400	18200	15700	13800	12100	10800	—	—	—
180	97/54	26500/52900	26500/42800	26500/33400	26500/27200	22700	19400	16800	14700	13000	—	—	—	—
164	106/57	26500/52900	26500/45100	26500/35300	26500/28700	24100	20600	17800	15700	—	—	—	—	—
148	110/59	26500/52900	26500/47200	26500/36900	26500/30100	25200	21600	18700	—	—	—	—	—	—
131	113/61	26500/52900	26500/48500	26500/38000	26500/31000	26000	22300	—	—	—	—	—	—	—
115	115/62	26500/52900	26500/49700	26500/38900	26500/31800	26500/26700	—	—	—	—	—	—	—	—
98	98/63	26500/52900	26500/50900	26500/39900	26500/32600	—	—	—	—	—	—	—	—	—

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* J390

*opcional *optional*	***EC6080VF 45 kW**	**EC88115VF 65 kW**	**OG2208VF 3x5,5 kW**	**TC15105VF 11 kW**	**TG4025VF 4x7,5 kW**	**TH2006 15 kW**
SR			0...0,8 r/min sl/min	26500 lb 0...344 ft/min 52900 lb 0...171 ft/min	0...82 ft/min	2 ft/min
DR						

480V 60Hz

EC6080VF: AMPERAGE = 121 A
EC88115VF: AMPERAGE = 152 A

ecoMode

H ≤ SR 1017 ft, DR 509 ft — 2638 ft

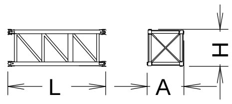
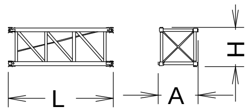
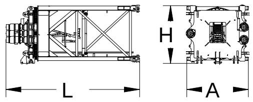
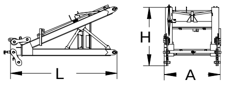
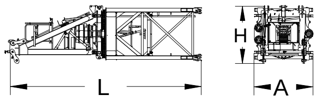
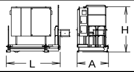
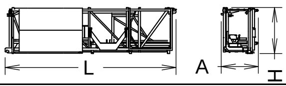
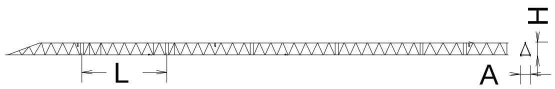
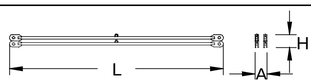
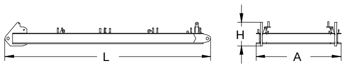
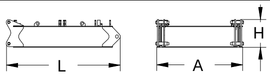
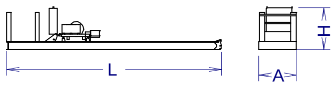
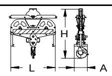
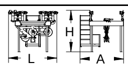
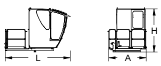
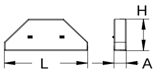
lb — H

H: Altura bajo gancho / *Height under hook*
Para alturas intermedias tomar el lastre correspondiente a la altura superior / *For intermediate heights take the ballast corresponding to the higher height*

Fecha / *Date:* **16/01/2023**

FEM 1001

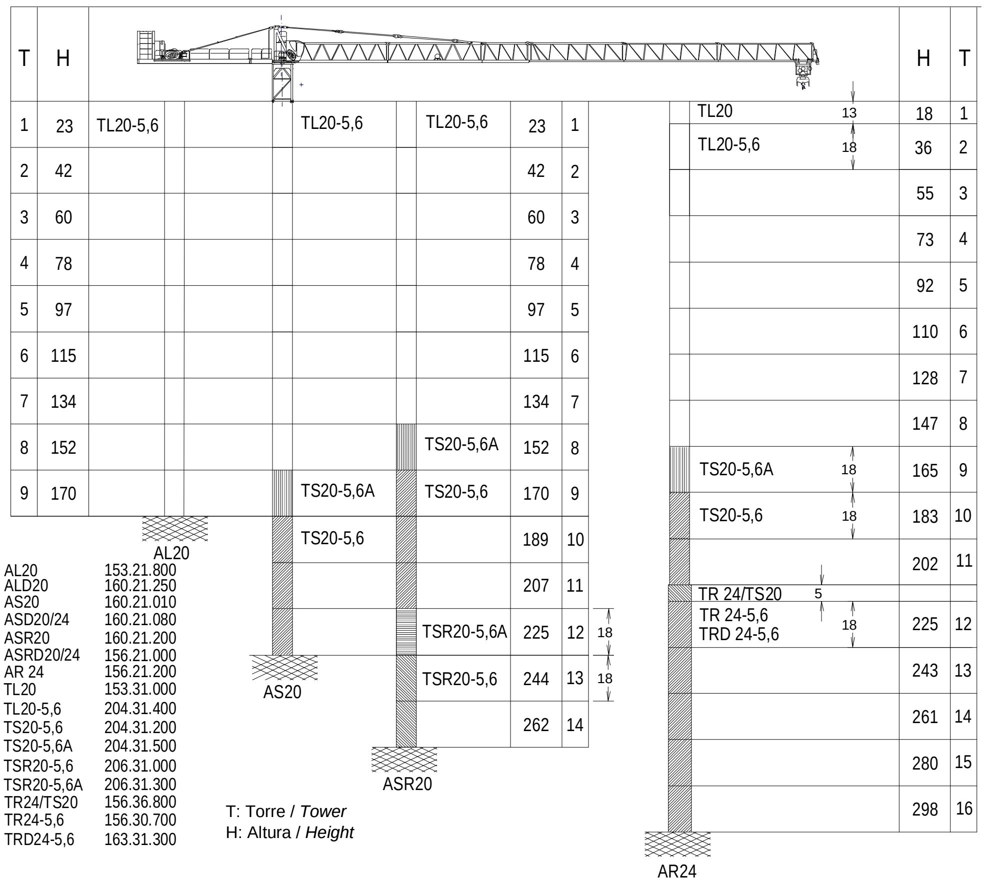
LISTA DE EMBARQUE / *PACKING LIST* — J390

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre inferior *Lower tower*	TLI20-5,6 TSI20-5,6 TSRI20-5,6 TRID24-5,6		19.3 19.6 19.7 19.7	7.6 7.6 7.4 10.5	7.7 7.8 7.4 10.5	9300 11900 14500 18500
Torre *Tower*	TL20 TL20-5,6 TS20-5,6A TS20-5,6 TSR20-5,6A TSR20-5,6 TR24-5,6 TRD24-5,6		13.7 19.3 19.6 19.6 19.4 19.7 19.7 19.6	7.2 7.6 7.8 7.6 7.8 7.4 9.1 9.0	7.5 7.7 7.6 7.8 7.6 7.4 9.3 7.5	4600 6400 7800 7800 9200 9300 10500 11600
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			17.5	8.2	8.3	16900
Punta de torre *Tower head*			12.0	6.5	6.5	5000
Conjunto asiento pista, punta de torre, orientación *Slewing table assembl +, tower head + slewing*			26.6	8.2	8.3	21900
Armario eléctrico y plataforma *Electrical cabinet and platform*			9.0	5.3	8.1	2200
Transporte torre de montaje *Jacking cage transport*	TM20L-5,6		31.3	6.8	8.3	12500
Tramo de pluma *Jib section*	PT19-31 PT19-32+Tr PT19-33 PT19-34 PT19-35 PT19-36 PT19-37 PT19-28 PP19-39		33.3 33.5 17.4 33.7 33.6 33.6 33.5 33.4 3.4	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.7 5.7	7.2 7.4 7.2 7.2 6.7 6.7 6.7 6.7 2.5	6800 8100 3700 6300 4900 3600 2500 2100 500
Tirante sostén pluma *Jib support tie*			21.5	5.9	1.1	7000
Contrapluma C0-19 *Counterjib* C0-19			15.6	6.4	1.7	5600
Contrapluma C1-19 *Counterjib C1-19*			8.3	6.3	1.9	2100
Contrapluma C2-19 con mecanismos (sin cable) + plumín auxiliar + armario eléctrico *Counterjib* C2-19 *with mechanism (without rope) + auxiliary jib* + electrical cabinet			39.4	6.9	7.7	21500
Polipasto *Hook assembly*	SR SR/DR		4.4 4.9	1.0 1.3	4.3 5.5	900 1600
Carro *Trolley*	SR SR/DR		7.6 8.7	7.9 7.7	5.3 7.0	1400 2500
Plataforma y cabina (2 x 1,5) *Platform and cabin*			11.5	6.8	7.9	2400
Contrapeso *Counterweight*	Lastre *Ballast*		12.5 12.5 12.5	1.9 0.9 0.6	4.9 4.9 4.9	13200 6600 4400

Fecha / *Date:* **16/01/2023**

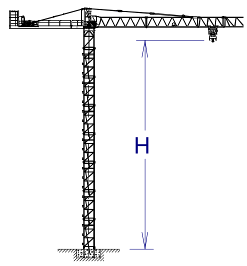
FEM 1001

COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* — J390



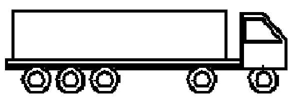
Otras configuraciones de torre / *Other tower configuration*

Transporte / *Transport*



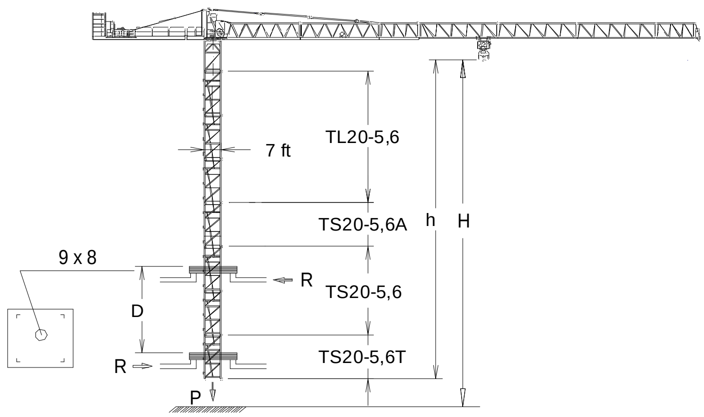
9 x TL20-5,6 + + AL20

10x



11x HIGH CUBE 40'

TREPADO / *CLIMBING* — J390



h_{max}: TS20-5,6T + 2xTS20-5,6 + TS20-5,6A + 4xTL20-5,6

98 ft	▶	■
h (ft)	152	
D (ft)	56 – 71	
P (lbf)	272000	218100
Rmax (lbf)	46800	103400

TS20-5,6T: 160.32.600

Trepado interno / *Internal climbing*

Viento fuera de servicio / *Out of service wind*
Consultar / *Consult*
▶ En servicio / *In service*
■ Fuera de servicio / *Out of service*

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Fecha / *Date:* **16/01/2023**

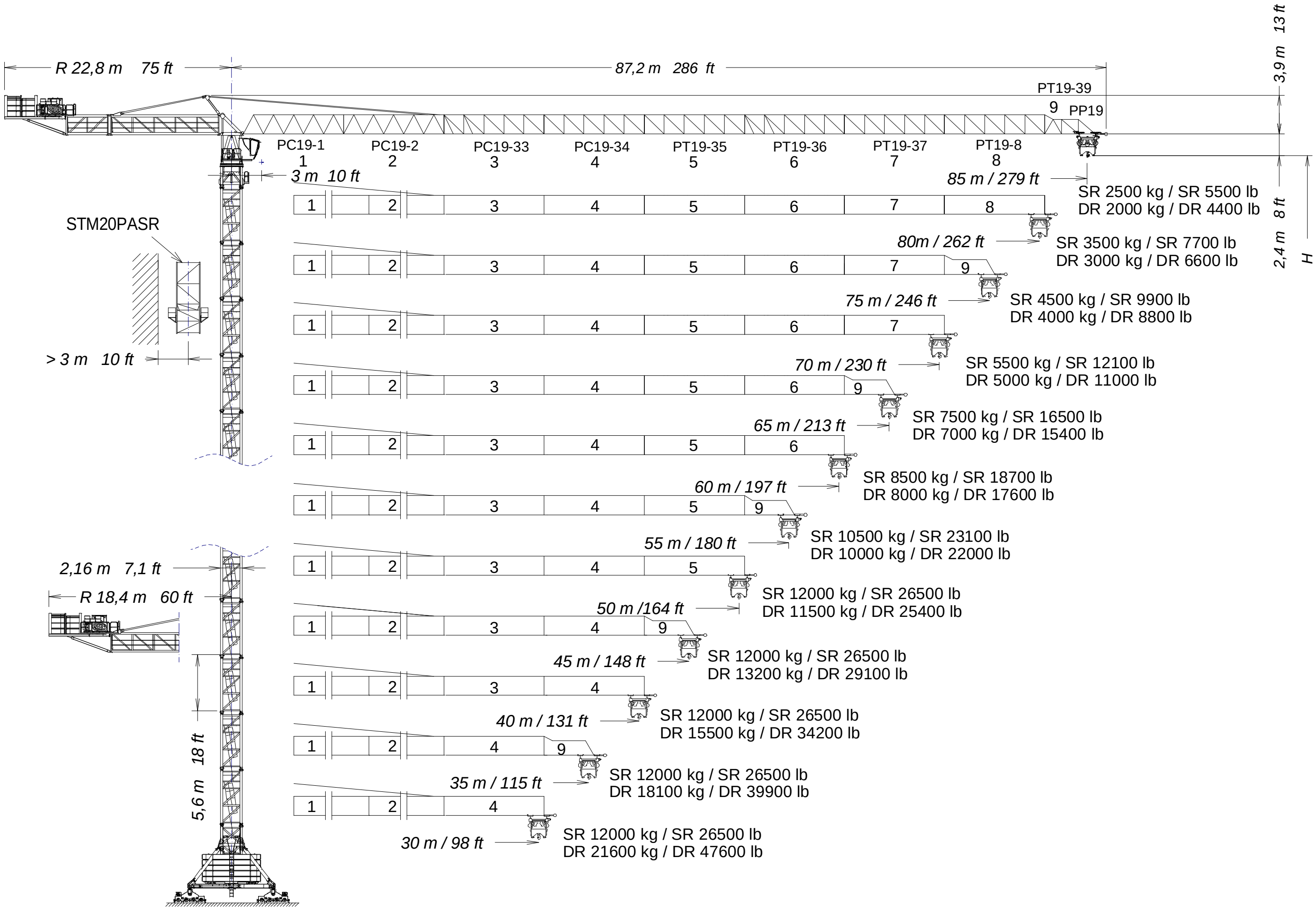
FEM 1001

DELEGACION / *DEALER*

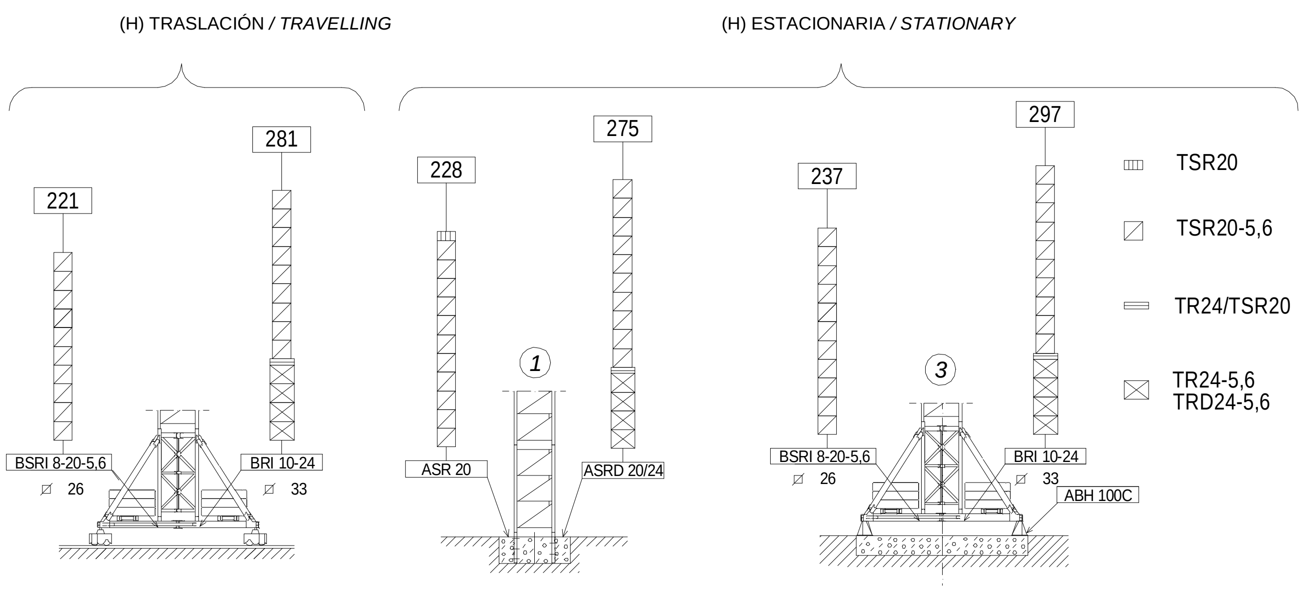
GRUA TORRE
TOWER CRANE
J560

UNE 58-101
FEM 1001

UNE-EN-ISO 9001



H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).



Fecha / *Date:* **16/01/2023**

FEM 1001

CARGAS / *LOADS* — J560

ST-SR (lb)		Cargas máximas / *Maximum loads* ST-SR – 26500 lb												
[ft]	26500 lb @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*												
		82	98	115	131	148	164	180	197	213	230	246	262	279
279	91	26500	24000	19900	16800	14500	12600	11000	9700	8600	7700	6900	6100	5500
262	104	26500	26500	23500	20000	17300	15100	13300	11800	10500	9500	8500	7700	—
246	115	26500	26500	26500	22600	19600	17200	15200	13500	12100	11000	9900	—	—
230	124	26500	26500	26500	24600	21400	18800	16700	14900	13400	12100	—	—	—
213	145	26500	26500	26500	26500	25900	22900	20400	18300	16500	—	—	—	—
197	148	26500	26500	26500	26500	26500	23400	20900	18700	—	—	—	—	—
180	161	26500	26500	26500	26500	26500	25900	23100	—	—	—	—	—	—
164	164	26500	26500	26500	26500	26500	26500	—	—	—	—	—	—	—
148	148	26500	26500	26500	26500	26500	—	—	—	—	—	—	—	—
131	131	26500	26500	26500	26500	—	—	—	—	—	—	—	—	—
115	115	26500	26500	26500	—	—	—	—	—	—	—	—	—	—
98	98	26500	26500	—	—	—	—	—	—	—	—	—	—	—

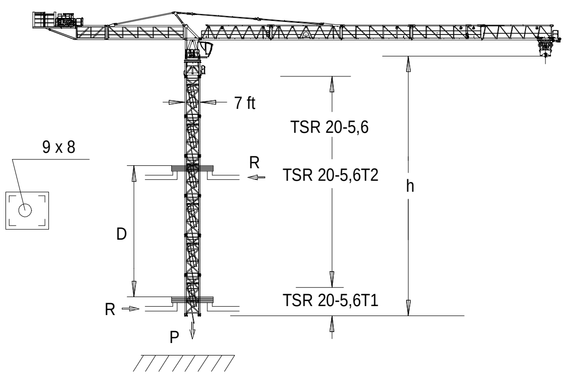
ST - DR [lb]		Cargas máximas / *Maximum loads* ST-DR – 52900 lb													
[ft]	52900 lb @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*													
		66	82	98	115	131	148	164	180	197	213	230	246	262	279
279	49	37500	28900	23100	19000	15900	13500	11600	10000	8700	7500	6600	5800	5000	4400
262	55	43800	33900	27300	22600	19000	16200	14000	12300	10700	9500	8400	7400	6600	—
246	61	49000	38000	30700	25500	21600	18600	16100	14100	12500	11100	9900	8800	—	—
230	66	52900	41300	33400	27800	23600	20300	17700	15600	13800	12300	11000	—	—	—
213	77	52900	49400	40200	33600	28700	24900	21800	19300	17200	15400	—	—	—	—
197	78	52900	50400	41000	34400	29300	25400	22300	19800	17600	—	—	—	—	—
180	86	52900	52900	45200	37900	32500	28200	24800	22000	—	—	—	—	—	—
164	87	52900	52900	46100	38700	33100	28800	25400	—	—	—	—	—	—	—
148	88	52900	52900	46500	39100	33500	29100	—	—	—	—	—	—	—	—
131	89	52900	52900	47500	39900	34200	—	—	—	—	—	—	—	—	—
115	89	52900	52900	47500	39900	—	—	—	—	—	—	—	—	—	—
98	90	52900	52900	47600	—	—	—	—	—	—	—	—	—	—	—

LASTRES INFERIORES / *LOWER BALLASTS* — J560

BRI 10-24	H (ft)	262	281	297
	P (lb)	158700	185200	211640
BSRI 8-20-5,6	H (ft)	184	203	237
	P (lb)	211640	238100	264600

H: Altura bajo gancho / *Height under hook*
Para alturas intermedias tomar el lastre correspondiente a la altura superior / *For intermediate heights take the ballast corresponding to the higher height*

TREPADO / *CLIMBING* — J560



h_{max}: TSR20-5,6T1 + 8xTSR20-5,6 + TSR20-5,6T2

	▶	■
h (ft)	197	
D (ft)	44 – 93	
P (lbf)	441750	387800
Rmax (lbf)	95550	181000

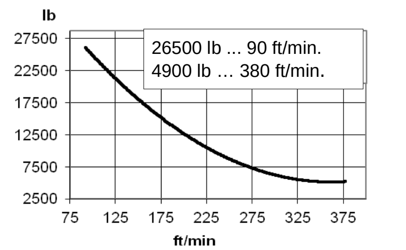
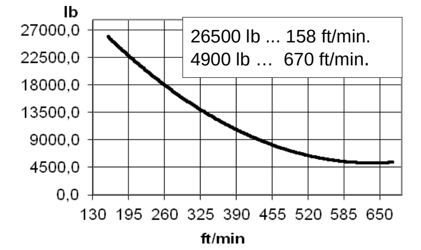
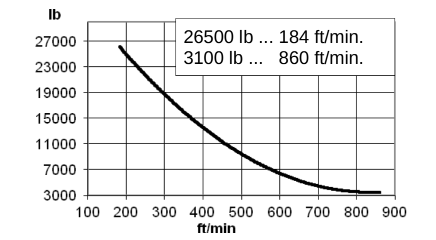
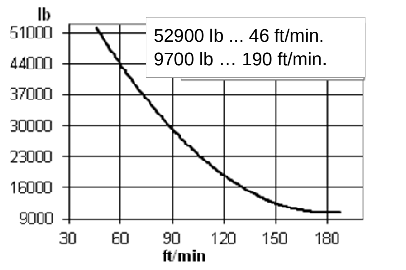
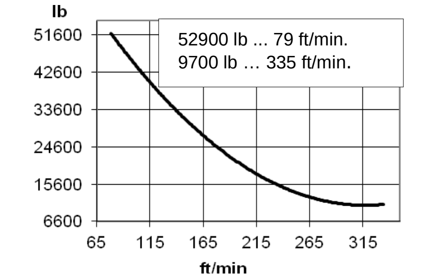
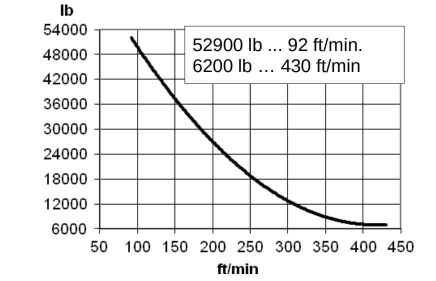
TSR20-5,6T1: 206.31.400
TSR20-5,6T2: 206.31.500

Trepado interno / *Internal climbing*

Fecha / *Date:* **16/01/2023**

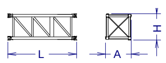
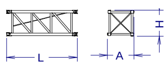
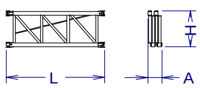
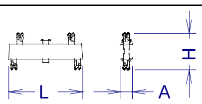
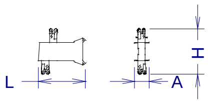
FEM 1001

CARACTERISTICAS DE MECANISMOS / *MECHANISMS* J560

*opcional *optional*	EC88115VF 65 kW	*EC150205VF 110 kW	*EC180262VF 132 kW
			
			

TG4025VF 4 x 7,5 kW	OG4006VF 4 x 7,5 kW	TC15105VF 11 kW	TH4010 29,4 kW	*480V* 60Hz EC88115VF: AMPERAGE = 182 A EC150205VF: AMPERAGE = 241 A EC180262VF: AMPERAGE = 279 A
0...82 ft/min	0...0,8 r/min sl/min	26500 lb 0...344 ft/min 52900 lb 0...171 ft/min	2 ft/min	H H ≤ SR 2782 ft DR 1391 ft 8596 ft lb H ecoMode

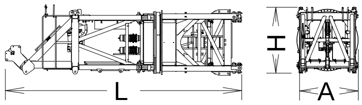
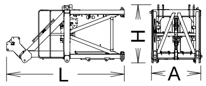
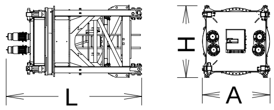
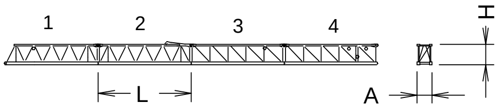
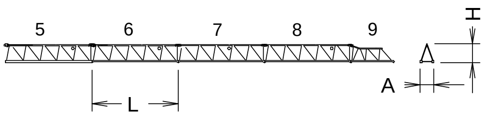
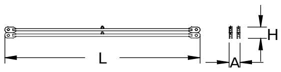
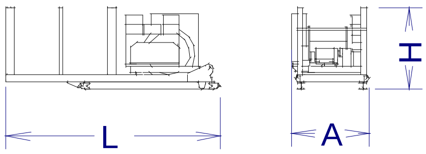
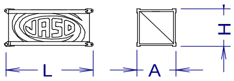
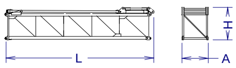
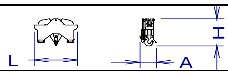
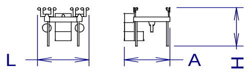
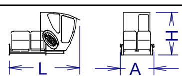
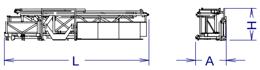
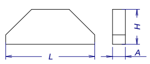
LISTA DE EMBARQUE / *PACKING LIST* J560

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre inferior *Lower tower*	TSRI-20-5,6 TRID24-5,6		19.7 19.7	7.4 9.8	7.4 9.8	15120 18520
Torre *Tower*	TSR20 TSR20-5,6 TR24-5,6		14.0 19.7 19.7	7.4 7.4 9.1	7.4 7.4 9.3	6900 9300 10500
Torre desmontada *Dismantled tower*	TRD24-5,6		19.7	3.8	8.3	11650
Larguero largo, reducción *Long crossbar, reduction*	TR24/TSR20		13.0	2.0	6.0	5000
Larguero corto reduccion Short crossbar, reduction	TR24/TSR20		6.3	2.0	6.0	2330

Fecha / *Date:* **16/01/2023**

FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J560

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre asiento pista, torre superior y orientación *Slewing table, top tower and slewing mechanism*			29.2	7.6	8.1	37200
Punta de torre *Top tower*			16.8	8.0	7.0	10900
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			15.3	7.6	8.1	26300
Tramo de pluma *Jib section*	PC19-1 PC19-2+tr PC19-33 PC19-34		33.7 33.7 33.7 33.7	6.1 5.2 5.2 5.2	7.3 7.9 7.1 7.2	9300 11900 10900 9100
	PT19-35 PT19-36 PT19-37 PT19-8 PT19-39 PP19		33.8 33.8 33.7 33.7 17.0 4.3	5.2 5.2 5.2 5.2 5.2 6.1	7.2 7.2 7.1 7.1 7.1 2.1	6100 4600 3800 3000 1700 705
Tirante sostén pluma *Jib support tie*			31	3.7	2.2	7100
Contrapluma III con mecanismos (sin cable) y plumín auxiliar *Counterjib III with mechanism (without rope), and auxiliary jib*			21.0	7.5	8.1	21200
Contrapluma II *Counterjib II*			14.9	6.7	6.8	4950
Contrapluma I *Counterjib I*			37.5	6.7	8.2	20200
Polipasto *Hook assembly*	ST/DR		5.7	2.1	4.4	2300
Carro *Trolley*	ST/DR		8.5	7.6	7.0	2500
Plataforma y cabina *Platform and cabin*			13.1	6.3	7.7	3300
Transporte torre de montaje *Jacking cage transport*		TM20PASR-5,6 	35.5	7.5	7.9	26800
Contrapeso *Counterweight*	Lastre *Ballast*		12.5 12.5 12.5	1.9 0.9 0.6	4.9 4.9 4.9	13200 6600 4400

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Fecha / *Date:* **16/01/2023**

FEM 1001

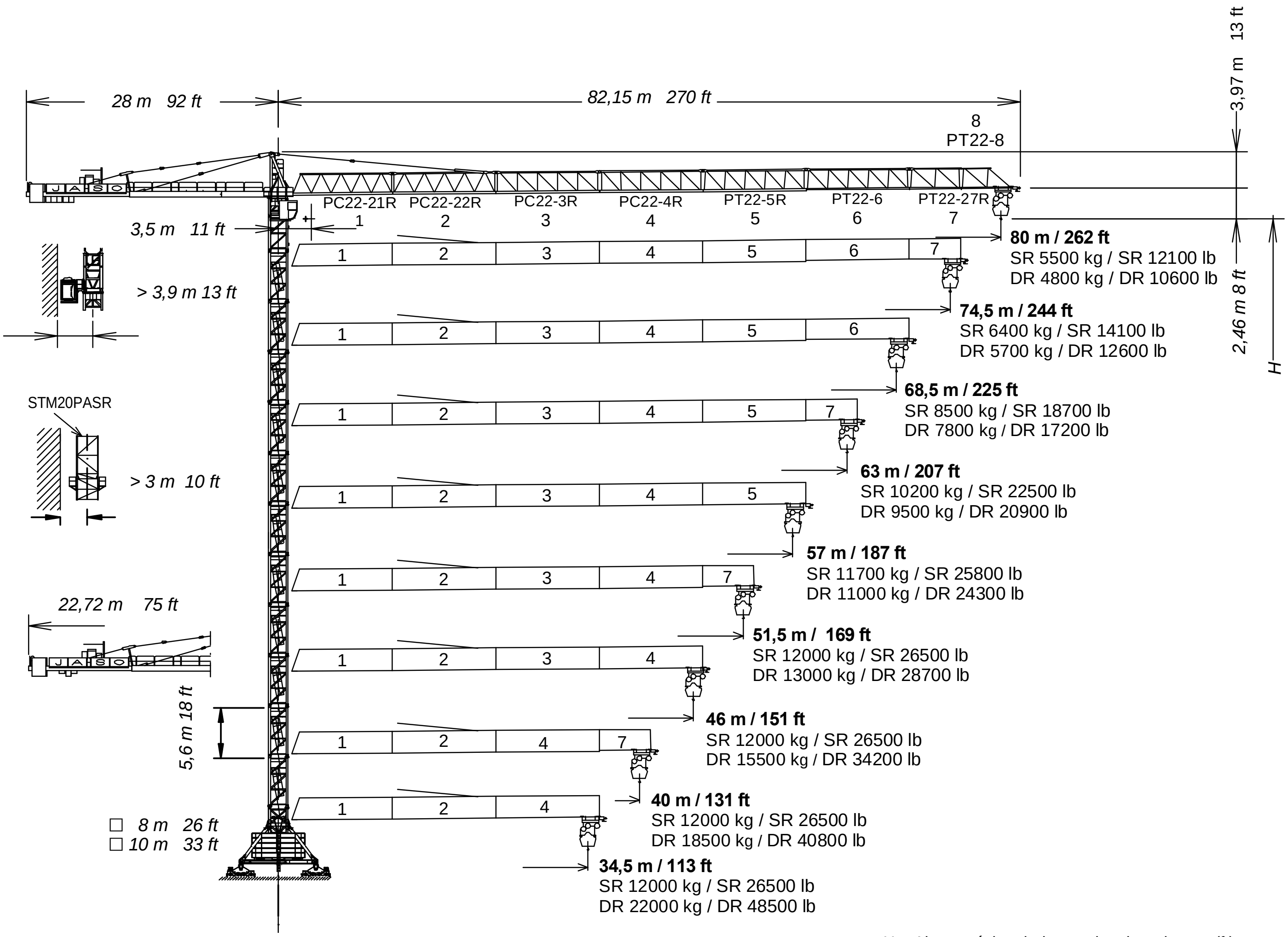
DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE

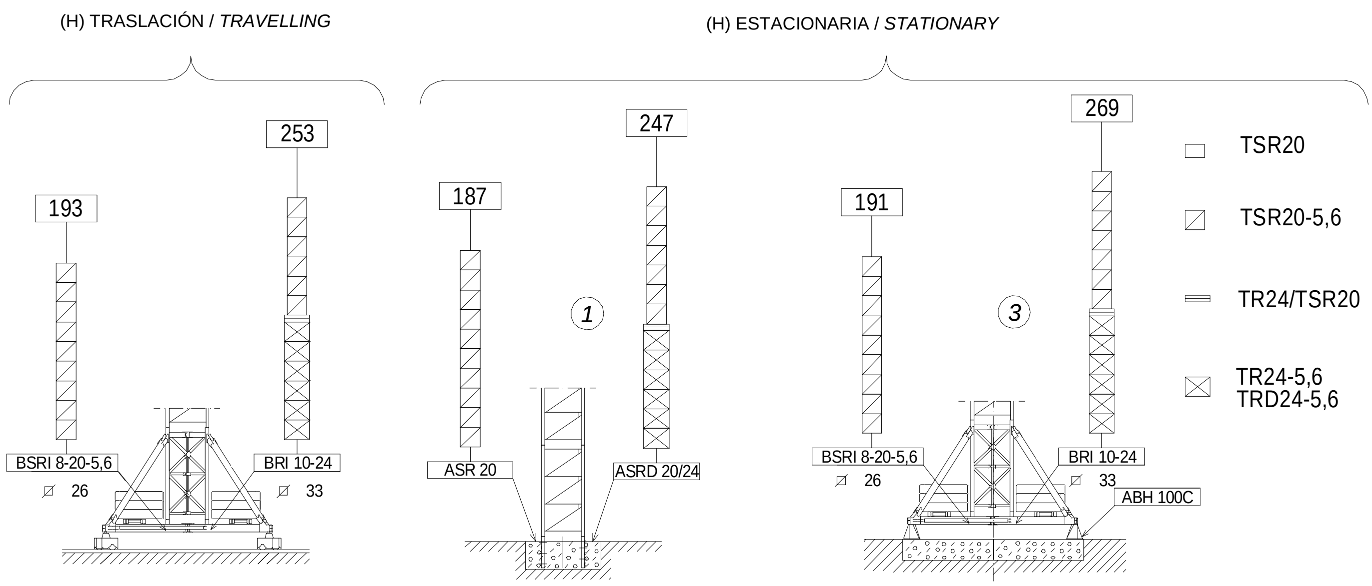
J700

CE UNE 58-101 FEM 1001

UNE-EN-ISO 9001



H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).



Fecha / *Date:* **16/01/2023**

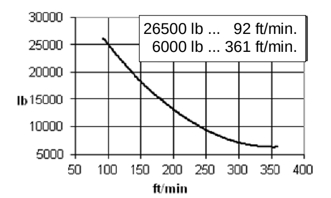
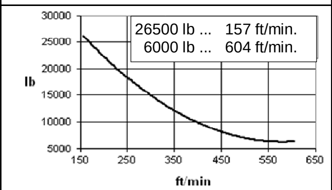
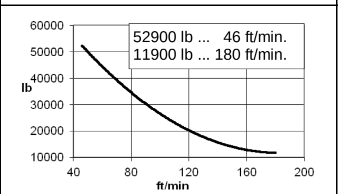
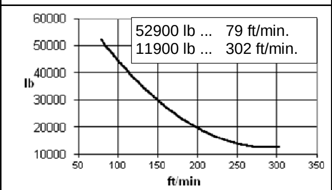
FEM 1001

CARGAS / *LOADS* — J700

ST-SR (lb)		Cargas máximas / *Maximum loads* ST-SR – 26500 lb										
[ft]	26500 lb @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*										
		82	**98**	**113**	**131**	**151**	**169**	**187**	**207**	**225**	**244**	**262**
262	142	26500	26500	26500	26500	24700	21500	19000	16700	15000	13400	12100
244	148	26500	26500	26500	26500	25900	22600	19900	17600	15800	14100	—
225	169	26500	26500	26500	26500	26500	26500	23500	20800	18700	—	—
207	180	26500	26500	26500	26500	26500	26500	25400	22500	—	—	—
187	183	26500	26500	26500	26500	26500	26500	25800	—	—	—	—
169	169	26500	26500	26500	26500	26500	26500	—	—	—	—	—
151	151	26500	26500	26500	26500	26500	—	—	—	—	—	—
131	131	26500	26500	26500	26500	—	—	—	—	—	—	—
113	113	26500	26500	26500	—	—	—	—	—	—	—	—

ST - DR (lb)		Cargas máximas / *Maximum loads* ST-DR – 52900 lb										
[ft]	52900 lb @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*										
		82	**98**	**113**	**131**	**151**	**169**	**187**	**207**	**225**	**244**	**262**
262	75	48100	39000	33100	27600	23200	20000	17500	15200	13400	11800	10600
244	78	50300	40800	34600	29000	24400	21100	18400	16000	14200	12600	—
225	90	52900	47600	40500	34100	28800	25000	22000	19300	17200	—	—
207	95	52900	51100	43600	36700	31100	27100	23800	20900	—	—	—
187	97	52900	51900	44300	37300	31600	27500	24300	—	—	—	—
169	100	52900	52900	46000	38800	32800	28700	—	—	—	—	—
151	103	52900	52900	47700	40300	34200	—	—	—	—	—	—
131	104	52900	52900	48300	40800	—	—	—	—	—	—	—
113	105	52900	52900	48500	—	—	—	—	—	—	—	—

CARACTERISTICAS DE MECANISMOS / *MECHANISMS* — J700

*opcional *optional*	**EC88110VF 65 kW**	***EC150185VF 110 kW**	**TG4025VFJ600 4 x 7,5 kW**	**OG4006VF 4 x 7,5 kW**	**TC15105VF 11 kW**	**TH4010 29,4 kW**
ST-SR			0...82 ft/min	0...0,8 r/min sl/min	26500 0...344 ft/min 52900 ft 0...171 ft/min	2 ft/min
ST-DR			480V 60Hz EC88110VF: AMPERAGE = 182 A EC150185VF: AMPERAGE = 241 A			

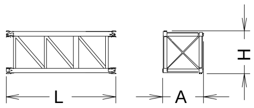
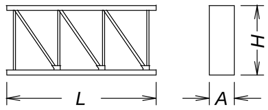
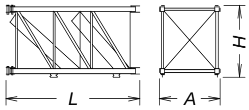
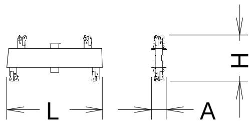
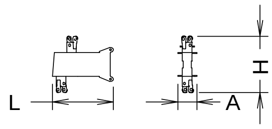
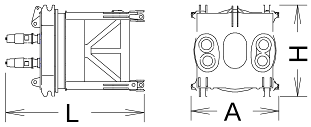
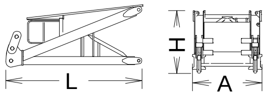
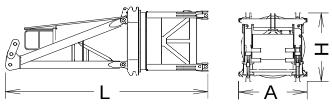
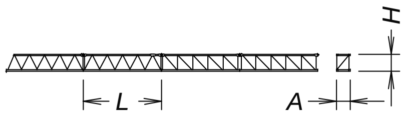
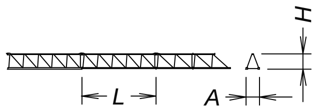
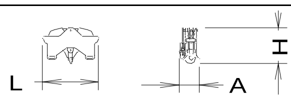
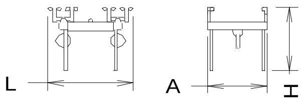
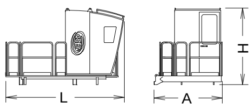
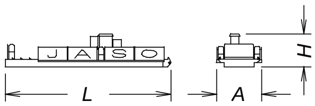
H ≤ SR 1430 ft DR 715 ft — 4439 ft

ecoMode

Fecha / *Date:* **16/01/2023**

FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J700

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	15125
Torre desmontada *Dismantled tower*	TRD24-5,6		19.7	3.8	8.3	11640
Torre *Tower*	TSR20 TSR20-5,6 TR24-5,6		14.0 19.7 19.7	7.4 7.4 9.1	7.4 7.4 9.3	6860 9280 10500
Larguero largo, reducción *Long crossbar, reduction*	TR24/TSR20		13.0	2.0	6.0	5000
Larguero corto reduccion Short crossbar, reduction	TR24/TSR20		6.3	2.0	6.0	2330
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			15.4	8.1	8.4	27160
Punta de torre *Tower head*			14.3	7.3	6.6	9490
Conjunto asiento pista, punta de torre y orientación *Slewing table assembly, tower head and slewing mechanism*			26.7	8.2	8.4	36650
Tramo de pluma *Jib section*	PC22-21R (1) PC22-22R (2) PC22-3R (3) PC22-4R (4) + Tr		38.2 38.5 38.5 38.5	7.3 7.1 6.8 6.8	8.2 8.1 8.1 8.1	11685 13000 13525 12800
	PT22-5R (5) PT22-6 (6) PT22-27R (7) PT22-8 (8)		38.5 38.5 19.4 19.2	6.8 6.8 6.8 6.8	8.1 8.1 8.0 7.9	6715 4710 2615 2000
Polipasto *Hook assembly*	ST/DR		6.8	2.3	4.5	2500
Carro *Trolley*	ST/DR		10.7	7.6	7.2	3010
Plataforma y cabina *Platform and cabin*			12.7	7.3	8.2	2560
Contrapluma con plataformas *Counterjib with platforms*			37.8	11.2	7.6	21100

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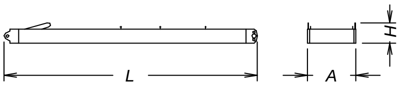
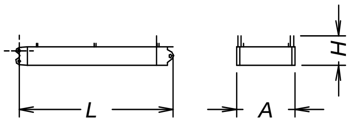
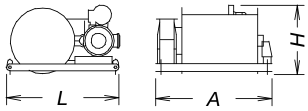
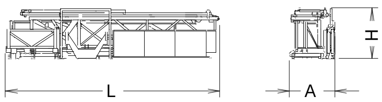
FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J700

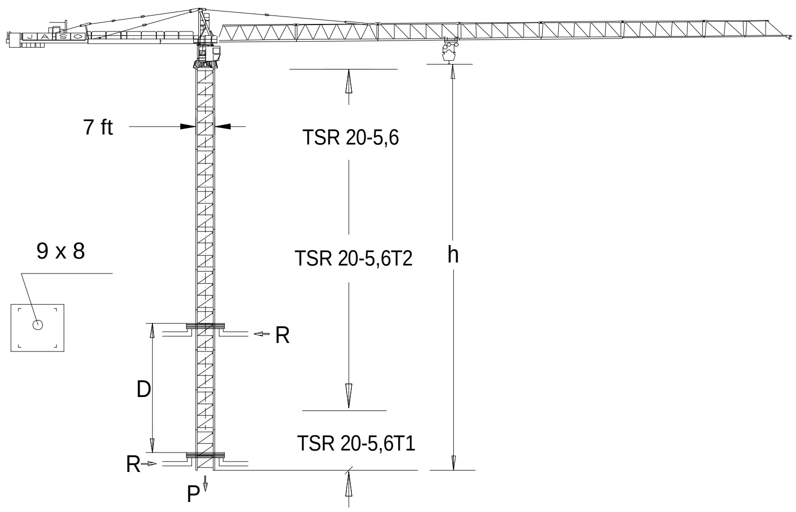
DENOMINACIÓN / *DENOMINATION*		L [ft]	A [ft]	H [ft]	P / *W* [lb]
Prolongación larga de contrapluma con plataformas *Large counterjib extension with platforms*		34.0	6.6	2.9	9425
Prolongación contrapluma con plataforma / *Counterjib extension with platform*		18.0	6.6	3.1	5645
Soporte y elevación (sin cable) / *Support and hoisting (without rope*		8.2	6.9	4.1	7830
Transporte torre de montaje *Jacking cage transport*	TM20PASR-5,6 	35.5	7.5	7.9	26765

LASTRES INFERIORES / *LOWER BALLASTS* — J700

BRI 10-24	H (ft)	198	269
	P (lb)	105800	185200
BSRI 8-20-5,6	H (ft)	119	193
	P (lb)	158700	264600

H: Altura bajo gancho / *Height under hook*
Para alturas intermedias tomar el lastre correspondiente a la altura superior / *For intermediate heights take the ballast corresponding to the higher height*

TREPADO / *CLIMBING* — J700



h_{max}: TSR20-5,6T1 + 5xTSR205,6 + TSR20-5,6T2

169 ft	▶	■
h (ft)	132	
D (ft)	61 - 62	
P (lbf)	373200	319200
Rmax (lbf)	76400	75300

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

Trepado interno / *Internal climbing*

Viento fuera de servicio / *Out of service wind*
Consultar / *Consult*
▶ En servicio / *In service*
■ Fuera de servicio / *Out of service*

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www.jaso.com

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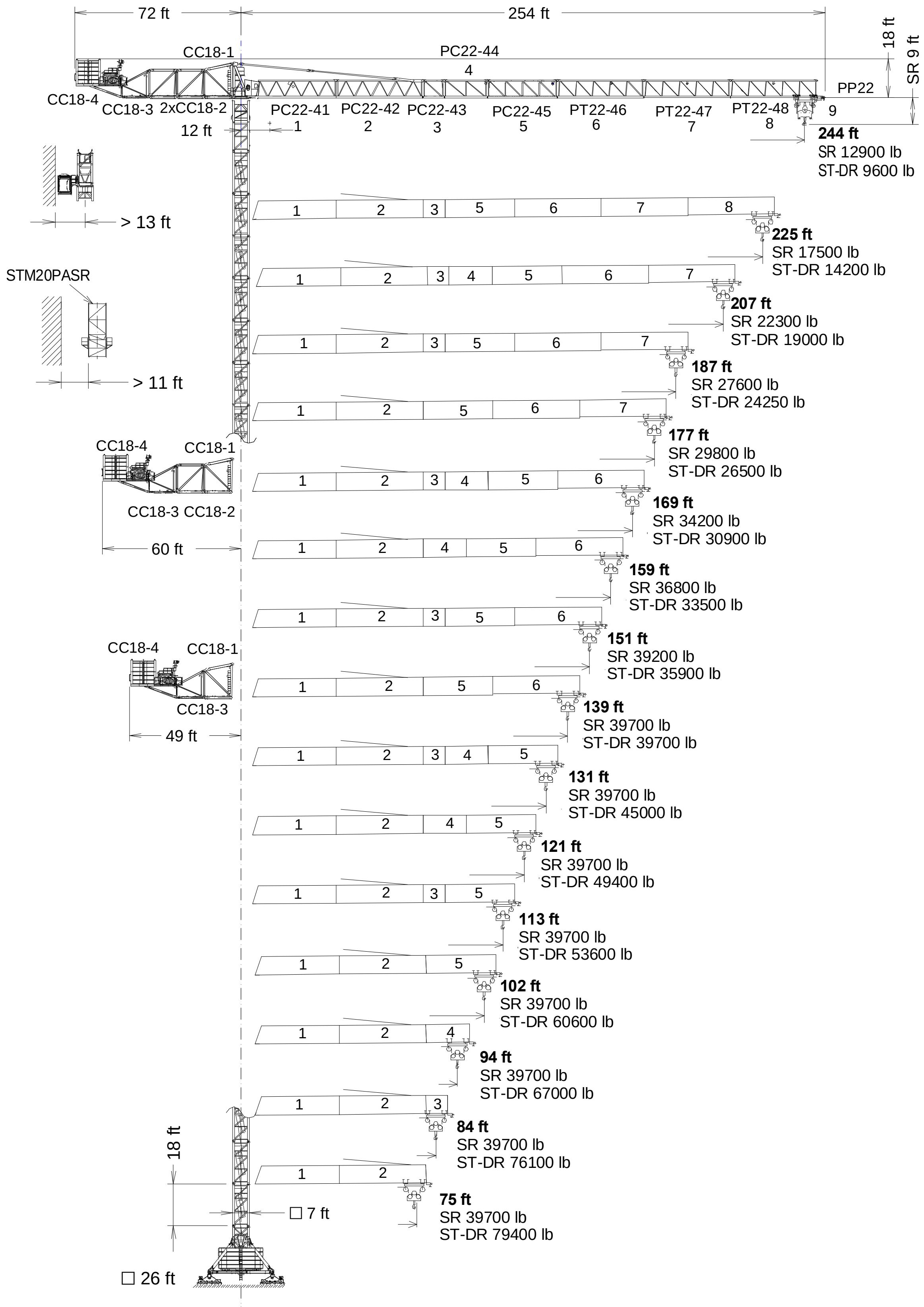
FEM 1001

DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE
J740.36

CE UNE 58-101
FEM 1001

UNE-EN-ISO 9001



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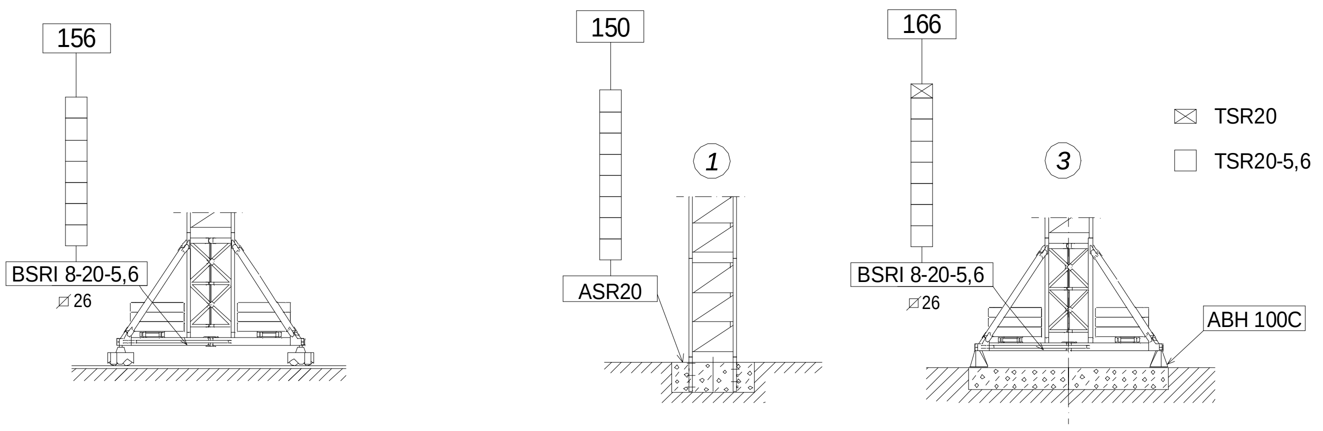
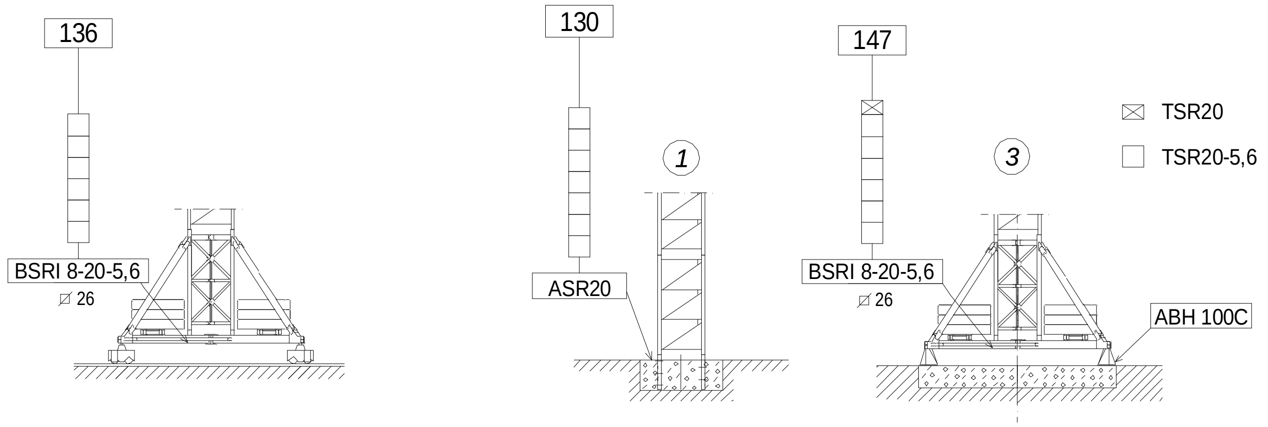
FEM 1001

SR	
(H_{SR}) TRASLACIÓN / *TRAVELLING*	(H_{SR}) ESTACIONARIA / *STATIONARY*



H_{SR} = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

ST-DR	
(H_{ST-DR}) TRASLACIÓN / *TRAVELLING*	(H_{ST-DR}) ESTACIONARIA / *STATIONARY*



H_{ST-DR} = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

$H_{ST-SR} = H_{ST-DR} - 0,3$

CARGAS / *LOADS* J740.36

SR [lb]		Cargas máximas / *Maximum loads* SR – 39700 lb																
[ft]	39700 lb @ ...(ft)	Alcance del gancho [ft] / *Hook reach [ft]*																
		66	**75**	**84**	**94**	**102**	**113**	**121**	**131**	**139**	**151**	**159**	**169**	**177**	**187**	**207**	**225**	**244**
244	95	39700	39700	39700	39700	37000	32800	30400	27800	25800	23600	22000	20500	19400	18100	16100	14300	12800
225	112	39700	39700	39700	39700	39700	39000	36200	33100	30900	28200	26500	24700	23400	21800	19400	17400	—
207	125	39700	39700	39700	39700	39700	39700	39700	37500	35100	32200	30200	28200	26700	25100	22300	—	—
187	135	39700	39700	39700	39700	39700	39700	39700	39700	38400	35300	33100	30900	29300	27600	—	—	—
177	137	39700	39700	39700	39700	39700	39700	39700	39700	39000	35700	33700	31300	29800	—	—	—	—
169	148	39700	39700	39700	39700	39700	39700	39700	39700	39700	38800	36600	34200	—	—	—	—	—
159	149	39700	39700	39700	39700	39700	39700	39700	39700	39700	39000	36800	—	—	—	—	—	—
151	149	39700	39700	39700	39700	39700	39700	39700	39700	39700	39200	—	—	—	—	—	—	—
139	139	39700	39700	39700	39700	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—
131	131	39700	39700	39700	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—
121	121	39700	39700	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—
113	113	17600	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—
102	102	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—
94	94	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—	—
84	84	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75	75	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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FEM 1001

CARGAS / *LOADS* J740.36

ST - SR [lb] — Cargas máximas / *Maximum loads* **ST-SR – 39700 lb**

[ft]	39700 lb @ ...(ft)	66	75	84	94	102	113	121	131	139	151	159	169	177	187	207	225	244
244	93	39700	39700	39700	39200	35500	31300	28700	26000	24300	21800	20500	19000	17600	16500	14300	12600	11000
225	108	39700	39700	39700	39700	39700	37500	34400	31500	29300	26500	24900	22900	21600	20300	17600	15700	—
207	120	39700	39700	39700	39700	39700	39700	39200	35900	33500	30400	28400	26500	24900	23400	20500	—	—
187	131	39700	39700	39700	39700	39700	39700	39700	39500	36800	33500	31300	29300	27600	25800	—	—	—
177	132	39700	39700	39700	17600	39700	39700	39700	39700	37300	34000	32000	29800	28000	—	—	—	—
169	142	39700	39700	39700	39700	39700	39700	39700	39700	39700	37000	34800	32400	—	—	—	—	—
159	143	39700	39700	39700	39700	39700	39700	39700	39700	39700	37300	35100	—	—	—	—	—	—
151	144	39700	39700	39700	39700	39700	39700	39700	39700	39700	37500	—	—	—	—	—	—	—
139	139	39700	39700	39700	39700	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—
131	131	39700	39700	39700	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—
121	121	39700	39700	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—
113	113	17600	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—
102	102	39700	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—
94	94	39700	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—	—
84	84	39700	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75	75	39700	39700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Alcance del gancho [ft] / *Hook reach [ft]*

ST - DR [lb] — Cargas máximas / *Maximum loads* **ST-DR – 79400 lb**

[ft]	79400 lb @...(ft)	49	66	75	84	94	102	113	121	131	139	151	159	169	177	187	207	225	244
244	49	78000	56700	48300	42800	37500	33700	29500	27100	24500	22500	20300	18700	17200	16100	15000	12800	11000	9500
225	56	79400	67200	57500	51100	45000	40800	35700	32800	29800	27600	24900	23100	21400	20100	18700	16100	14100	—
207	63	79400	77200	65300	58200	51100	46500	41000	37700	34200	31700	28900	26900	24900	23400	21800	19000	—	—
187	69	79400	79400	71400	63700	56200	50900	45000	41400	37900	35100	32000	29800	27600	26000	24300	—	—	—
177	70	79400	79400	72500	64600	56900	51800	45600	42100	38400	35700	32400	30400	28200	26500	—	—	—	—
169	75	79400	79400	78500	70100	61900	56400	49800	45900	41900	39000	35500	33300	30900	—	—	—	—	—
159	75	79400	79400	79100	70500	62400	56700	50300	46300	42300	39200	35700	33500	—	—	—	—	—	—
151	75	79400	79400	79400	71000	62600	57100	50500	46500	42500	39500	35900	—	—	—	—	—	—	—
139	76	79400	79400	79400	71200	62800	57300	50700	46700	42500	39700	—	—	—	—	—	—	—	—
131	79	79400	79400	79400	75000	66100	60200	53400	49200	45000	—	—	—	—	—	—	—	—	—
121	80	79400	79400	79400	75200	66400	60400	53600	49400	—	—	—	—	—	—	—	—	—	—
113	80	79400	79400	79400	75200	66400	60400	53600	—	—	—	—	—	—	—	—	—	—	—
102	80	79400	79400	79400	75400	66600	60600	—	—	—	—	—	—	—	—	—	—	—	—
94	80	79400	79400	79400	75800	67000	—	—	—	—	—	—	—	—	—	—	—	—	—
84	80	79400	79400	79400	76100	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75	75	79400	79400	79400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

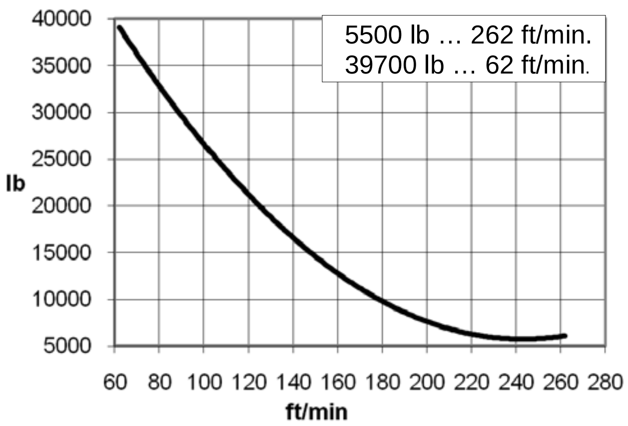
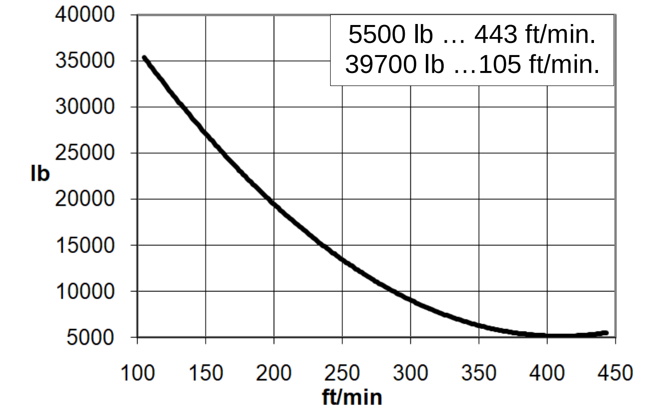
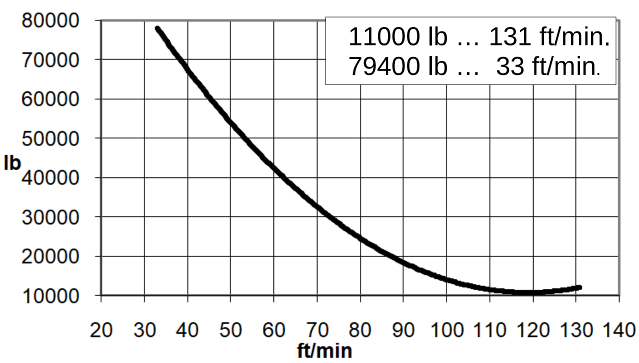
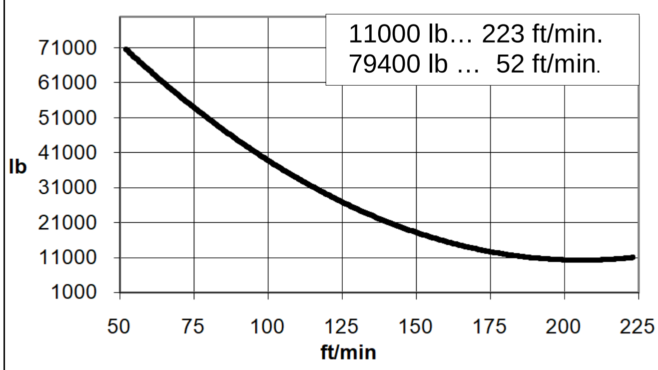
Alcance del gancho [ft] / *Hook reach [ft]*

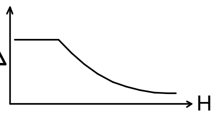
Fecha / *Date:* **16/01/2023**

FEM 1001

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J740.36

*opcional
optional

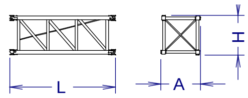
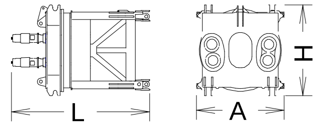
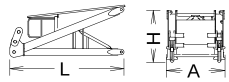
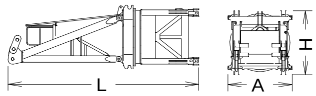
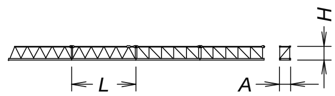
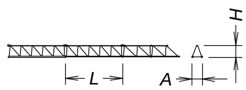
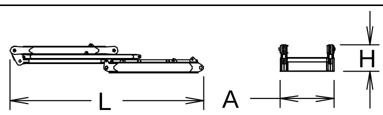
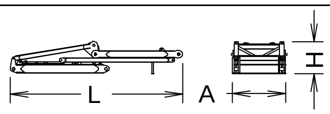
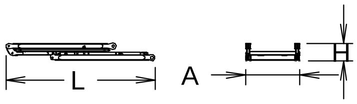
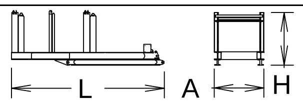
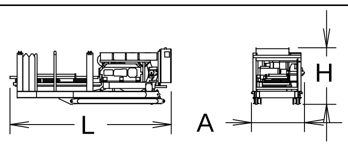
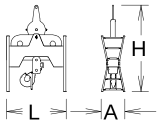
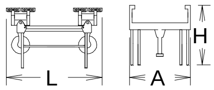
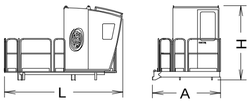
	EC8880VF 65 kW	*EC150135VF 110 kW
		
		
H	H ≤ SR 984 ft / DR 492 ft	H ≤ SR 1312 ft / DR 656 ft

OG4006VF 4 x 7,5 kW	TC2060VF 15 kW	TH4010 29,4 kW	480V 60Hz
0...0,7 r/min sl/min	39700 lb 0...197 ft/min 79400 lb 0...98 ft/min	2 ft/min	EC8880VF: AMPERAGE = 246 A EC150135VF: AMPERAGE = 279 A
			lb  H
			ecoMode

Fecha / *Date:* **16/01/2023**

FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J740.36

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre *Tower*	TSR20 TSR20-5,6 TSRI20-5,6		14.0 19.7 19.7	7.4 7.4 7.4	7.4 7.4 7.4	6900 9400 15100
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			15.0	7.7	8.5	28200
Punta de torre / *Tower head*			14.3	7.3	7.7	8600
Conjunto asiento pista, punta de torre y orientación *Slewing table assembly, tower head and slewing*			26.6	10.8	9.5	36800
Tramo de pluma *Jib section*	PC22-41 PC22-42 + Tr PC22-43 PC22-44 PC22-45		38.5 38.9 10.4 19.7 31.4	7.5 6.8 6.8 6.8 6.8	8.6 8.2 8.1 8.1 8.1	13000 17600 4000 6800 10500
	PT22-46 PT22-47 PT22-48 PP22		38.3 38.5 37.9 4.1	6.8 6.8 6.8 7.6	8.1 8.0 8.0 2.1	7900 5200 4000 1300
Contrapluma *Counterjib*	CC18-1		24.6	7.1	3.7	10400
Contrapluma *Counterjib*	CC18-2		22.2	7.1	4.2	8800
Contrapluma *Counterjib*	CC18-3		17.9	6.9	2.2	5100
Contrapluma *Counterjib*	CC18-4		21.6	7.2	7.4	10700
Contrapluma + Mec. Elevación *Counterjib + Hoisting Mech.*	CC18-4 + EC		22.8	7.6	8.0	25700
Polipasto *Hook assembly*	SR ST-DR		5.7 7.0	5.3 2.9	1.2 10.3	1800 4000
Carro *Trolley*	SR ST-DR		9.3 11.0	7.6 7.8	9.0 9.5	2600 3700
Plataforma y cabina *Platform and cabin*			12.7	7.3	8.2	2600

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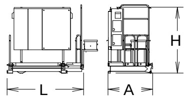
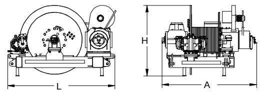
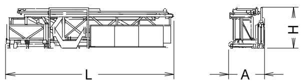
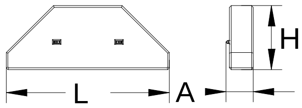
FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* J740.36

Armario eléctrico y plataforma *Electrical cabinet and platform*		9.0	5.3	8.1	2200
Soporte y elevación (sin cable) *Support and hoisting (without rope*		8.3	7.3	5.5	15000
Transporte torre de montaje *Jacking cage transport*	TM20PASR-5,6 	35.5	7.5	7.9	26800
Contrapeso *Counterweight* Lastre *Ballast*		12.5 12.5 12.5	1.9 0.9 0.6	4.9 4.9 4.9	13200 6600 4400

Viento fuera de servicio / *Out of service wind*

Consultar / *Consult*

▶ En servicio / *In service*

■ Fuera de servicio / *Out of service*

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www.jaso.com

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FEM 1001

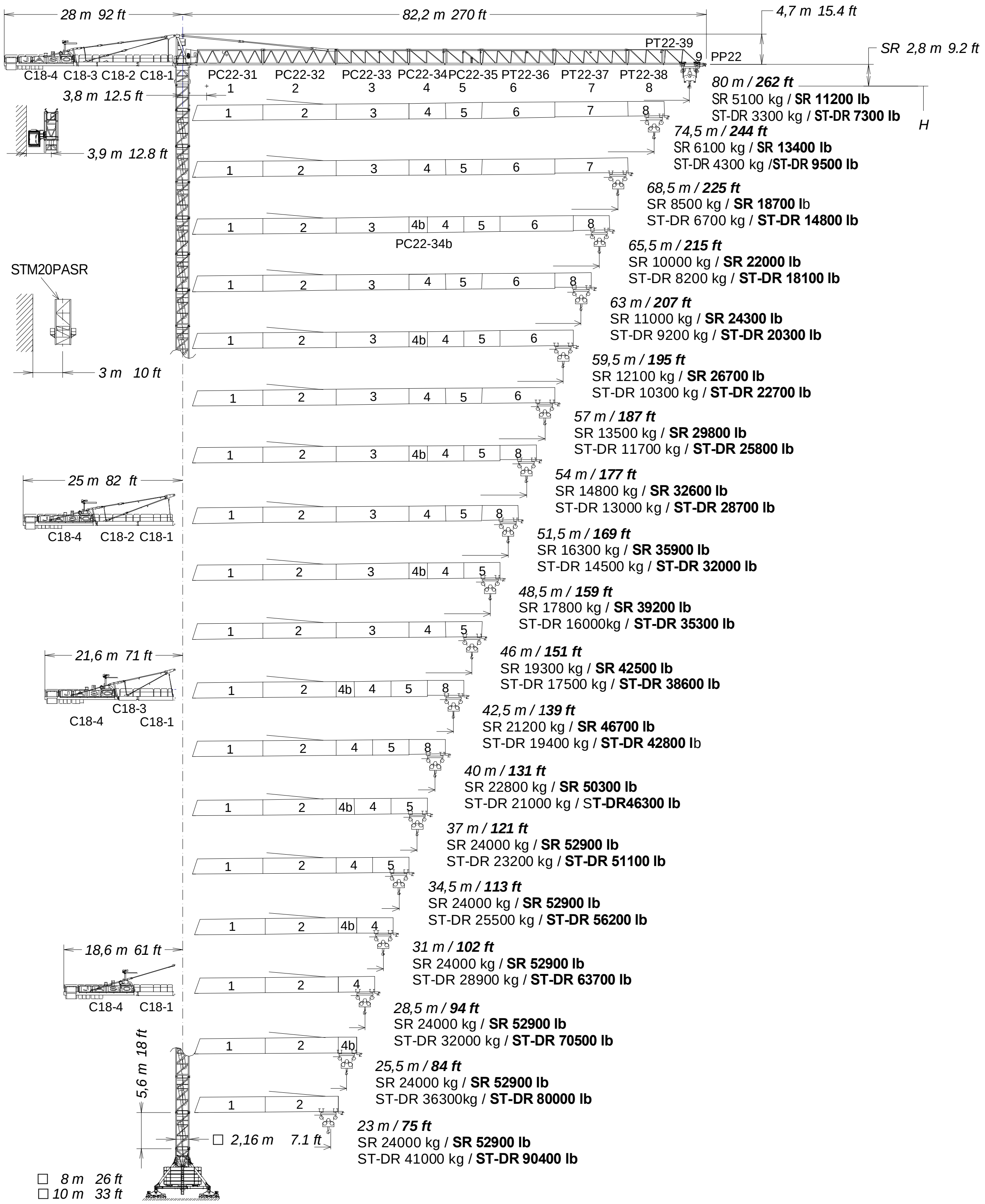
DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE

J800.48

UNE 58-101
FEM 1001

UNE-EN-ISO 9001



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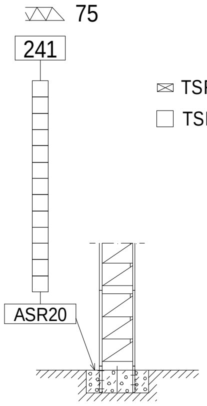
FEM 1001

SR

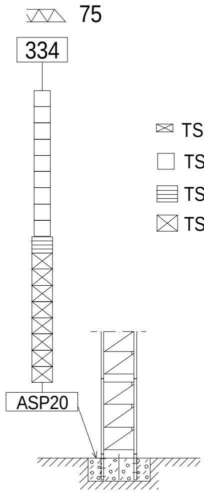
(H_{SR}) ESTACIONARIA 1 / *STATIONARY 1*

	H(ft)		
262	186	10	-
244	186	10	-
225	181	9	1
215	168	9	-
207	168	9	-
195	168	9	-
187	168	9	-
177	162	8	1
169	162	8	1
159	162	8	1
151	150	8	-
139	150	8	-
131	150	8	-
121	162	8	1
113	181	9	1
102	205	11	-
94	205	11	-
84	223	12	-
75	241	13	-



TSR20
TSR20-5,6

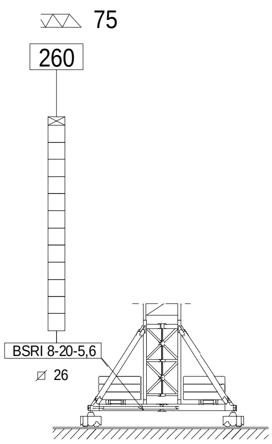
	H(ft)				
262	297	8	1	7	-
244	297	8	1	7	-
225	291	8	1	6	1
215	291	8	1	6	1
207	291	8	1	6	1
195	291	8	1	6	1
187	279	8	1	6	-
177	279	8	1	6	-
169	279	8	1	6	-
159	279	8	1	6	-
151	279	8	1	6	-
139	279	8	1	6	-
131	279	8	1	6	-
121	297	8	1	7	-
113	297	8	1	7	-
102	315	8	1	8	-
94	315	8	1	8	-
84	315	8	1	8	-
75	334	8	1	9	-



TSR20
TSR20-5,6
TSP20-5,6A
TSP20-5,6

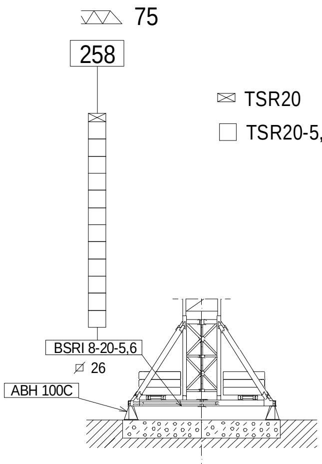
(H_{SR}) TRASLACIÓN / *TRAVELLING*

	H(ft)		
262	205	9	1
244	205	9	1
225	193	9	-
215	174	8	-
207	174	8	-
195	174	8	-
187	174	8	-
177	174	8	-
169	174	8	-
159	174	8	-
151	156	7	-
139	156	7	-
131	156	7	-
121	169	7	1
113	187	8	1
102	211	10	-
94	211	10	-
84	242	11	1
75	260	12	1



(H_{SR}) ESTACIONARIA 3 / *STATIONARY 3*

	H(ft)		
262	203	9	1
244	203	9	1
225	190	9	-
215	185	8	1
207	185	8	1
195	185	8	1
187	185	8	1
177	172	8	-
169	172	8	-
159	172	8	-
151	166	7	1
139	166	7	1
131	166	7	1
121	172	8	-
113	190	9	-
102	221	10	1
94	221	10	1
84	240	11	1
75	258	12	1



TSR20
TSR20-5,6

H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

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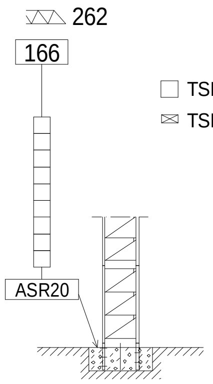
FEM 1001

ST-DR

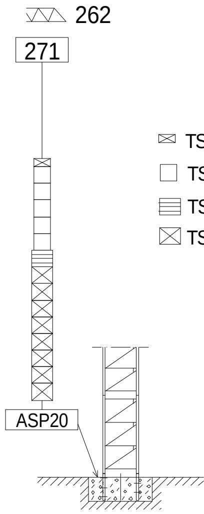
(H_{ST-DR}) ESTACIONARIA 1 / *STATIONARY 1*

Jib	H(ft)	TSR20-5,6	TSR20
262	166	9	-
244	166	9	-
225	166	9	-
215	160	8	1
207	147	8	-
195	142	7	1
187	129	7	-
177	129	7	-
169	129	7	-
159	129	7	-
151	129	7	-
139	129	7	-
131	129	7	-
121	129	7	-
113	129	7	-
102	129	7	-
94	129	7	-
84	129	7	-
75	129	7	-



TSR20-5,6
TSR20

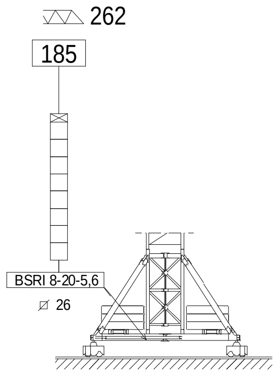
Jib	H(ft)	TSP20-5,6	TSP20-5,6A	TSR20-5,6	TSR20
262	271	8	1	5	1
244	271	8	1	5	1
225	271	8	1	5	1
215	258	8	1	5	-
207	258	8	1	5	-
195	258	8	1	5	-
187	258	8	1	5	-
177	258	8	1	5	-
169	258	8	1	5	-
159	258	8	1	5	-
151	258	8	1	5	-
139	258	8	1	5	-
131	258	8	1	5	-
121	258	8	1	5	-
113	258	8	1	5	-
102	258	8	1	5	-
94	258	8	1	5	-
84	258	8	1	5	-
75	258	8	1	5	-



TSR20
TSR20-5,6
TSP20-5,6A
TSP20-5,6

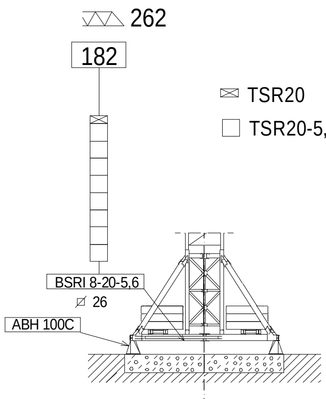
(H_{ST-DR}) TRASLACIÓN / *TRAVELLING*

Jib	H(ft)	TSR20-5,6	TSR20
262	185	8	1
244	185	8	1
225	185	8	1
215	172	8	-
207	166	7	1
195	154	7	-
187	148	6	1
177	148	6	1
169	148	6	1
159	148	6	1
151	148	6	1
139	148	6	1
131	148	6	1
121	148	6	1
113	148	6	1
102	148	6	1
94	148	6	1
84	148	6	1
75	148	6	1



(H_{ST-DR}) ESTACIONARIA 3 / *STATIONARY 3*

Jib	H(ft)	TSR20-5,6	TSR20
262	182	8	1
244	182	8	1
225	182	8	1
215	170	8	-
207	164	7	1
195	151	7	-
187	146	6	1
177	146	6	1
169	146	6	1
159	146	6	1
151	146	6	1
139	146	6	1
131	146	6	1
121	146	6	1
113	146	6	1
102	146	6	1
94	146	6	1
84	146	6	1
75	146	6	1



TSR20
TSR20-5,6

H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft)

$H_{ST-SR} = H_{ST-DR} - 0.33$ ft

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FEM 1001

CARGAS / *LOADS* — J800.48

SR (lb)		Cargas máximas / *Maximum loads* **SR – 52900 lb**																				
[ft]	52900 lb@ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*																				
		49	**66**	**75**	**84**	**94**	**102**	**113**	**121**	**131**	**139**	**151**	**159**	**169**	**177**	**187**	**195**	**207**	**215**	**225**	**244**	**262**
262	74	52900	52900	52000	46500	41000	37300	33100	30400	27800	25800	23400	22000	20300	19200	17900	17000	15700	15000	14100	12600	11200
244	78	52900	52900	52900	49400	43700	39700	35100	32400	29500	27600	24900	23400	21800	20500	19200	18100	16800	16100	15000	13400	—
225	93	52900	52900	52900	52900	52500	47600	42300	39200	35700	33500	30400	28700	26700	25100	23600	22300	20700	19800	18700	—	—
215	101	52900	52900	52900	52900	52900	52500	46500	43000	39500	36800	33500	31500	29500	27800	26000	24700	23100	22000	—	—	—
207	105	52900	52900	52900	52900	52900	52900	48500	45000	41200	38600	35100	33100	30900	29100	27300	26000	24300	—	—	—	—
195	107	52900	52900	52900	52900	52900	52900	49800	46100	42300	39500	36000	34000	31500	30000	28000	26700	—	—	—	—	—
187	113	52900	52900	52900	52900	52900	52900	52700	48700	44500	41700	38100	36000	33500	31800	29800	—	—	—	—	—	—
177	115	52900	52900	52900	52900	52900	52900	52900	50000	45900	43000	39200	36800	34400	32600	—	—	—	—	—	—	—
169	120	52900	52900	52900	52900	52900	52900	52900	52000	47800	44800	40800	38600	35900	—	—	—	—	—	—	—	—
159	122	52900	52900	52900	52900	52900	52900	52900	52900	48700	45400	41700	39200	—	—	—	—	—	—	—	—	—
151	124	52900	52900	52900	52900	52900	52900	52900	52900	49800	46500	42600	—	—	—	—	—	—	—	—	—	—
139	125	52900	52900	52900	52900	52900	52900	52900	52900	50000	46700	—	—	—	—	—	—	—	—	—	—	—
131	125	52900	52900	52900	52900	52900	52900	52900	52900	50300	—		—	—	—	—	—	—	—	—	—	—
121	121	52900	52900	52900	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—
113	113	52900	52900	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—
102	102	52900	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
94	94	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
84	84	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75	75	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fecha / *Date:* **16/01/2023**

FEM 1001

CARGAS / *LOADS* — J800.48

ST - SR [lb]	Cargas máximas / *Maximum loads* ST-SR – 52900 lb																					
[ft]	52900 lb @ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*																				
		49	66	75	84	94	102	113	121	131	139	151	159	169	177	187	195	207	215	225	244	262
262	73	52900	52900	51100	45400	39900	35900	31500	28900	26000	24000	21600	20100	18500	17200	15900	15000	13700	12800	11900	10400	9000
244	77	52900	52900	52900	48300	42300	38100	33500	30600	27800	25800	23100	21600	19800	18500	17200	16100	14800	13900	13000	11200	—
225	91	52900	52900	52900	52900	50900	46300	40800	37500	34000	31500	28400	26700	24700	23100	21400	20300	18700	17600	16500	—	—
215	98	52900	52900	52900	52900	52900	50900	44800	41200	37500	34800	31700	29500	27300	25800	24000	22700	20900	19800	—	—	—
207	102	52900	52900	52900	52900	52900	52900	47000	43200	39200	36600	33100	31100	28700	27100	25100	23800	22000	—	—	—	—
195	104	52900	52900	52900	52900	52900	52900	48100	44300	40300	37500	34000	31700	29500	27800	25800	24500	—	—	—	—	—
187	109	52900	52900	52900	52900	52900	52900	50700	46700	42800	39700	36200	33700	31300	29500	27600	—	—	—	—	—	—
177	112	52900	52900	52900	52900	52900	52900	52000	48100	43900	40800	37000	34800	32200	30400	—	—	—	—	—	—	—
169	116	52900	52900	52900	52900	52900	52900	52900	50000	45600	42500	38800	36400	33700	—	—	—	—	—	—	—	—
159	118	52900	52900	52900	52900	52900	52900	52900	51000	46500	43400	39500	37000	—	—	—	—	—	—	—	—	—
151	120	52900	52900	52900	52900	52900	52900	52900	52000	47600	44300	40300	—	—	—	—	—	—	—	—	—	—
139	120	52900	52900	52900	52900	52900	52900	52900	52300	47800	44500	—	—	—	—	—	—	—	—	—	—	—
131	121	52900	52900	52900	52900	52900	52900	52900	52700	48100	—		—	—	—	—	—	—	—	—	—	—
121	121	52900	52900	52900	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—
113	113	52900	52900	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—
102	102	52900	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
94	94	52900	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
84	84	52900	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75	75	52900	52900	52900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ST - DR [lb]	Cargas máximas / *Maximum loads* ST-DR – 105800 lb																						
[ft]	105800 lb @ ...(ft)	Alcance del gancho [ft] / *Hook reach [ft]*																					
		33	49	66	75	84	94	102	113	121	131	139	151	159	169	177	187	195	207	215	225	244	262
262	38	105800	79600	57300	48500	43000	37500	33700	29300	26700	24000	22000	19600	18100	16500	15200	14100	13000	11700	11000	10100	8600	7300
244	40	105800	84400	60800	51800	45600	39900	35900	31300	28700	25800	23600	21200	19600	17900	16800	15200	14300	13000	12100	11200	9500	—
225	47	105800	101000	73400	62600	55600	48700	44100	38600	35300	32000	29500	26700	24700	22700	21200	19600	18500	17000	15900	14800	—	—
215	51	105800	105800	80400	68800	61300	53800	48700	42800	39200	35500	32800	29800	27800	25600	24000	22300	21000	19200	18100	—	—	—
207	53	105800	105800	84000	71900	63900	56200	50900	44800	41200	37300	34600	31300	29100	26900	25100	23400	22000	20300	—	—	—	—
195	54	105800	105800	86200	73600	65500	57500	52200	46100	42300	38400	35500	32200	30000	27800	26000	24000	22700	—	—	—	—	—
187	57	105800	105800	90800	77800	69200	61100	55300	48700	44800	40800	37700	34200	32000	29500	27800	25800	—	—	—	—	—	—
177	58	105800	105800	93300	80000	71200	62600	56900	50300	46100	41900	39000	35300	33100	30400	28700	—	—	—	—	—	—	—
169	61	105800	105800	97000	83100	74100	65300	59300	52300	48300	43900	40800	36800	34600	32000	—	—	—	—	—	—	—	—
159	62	105800	105800	100000	84900	75600	66600	60400	53400	49200	44800	41700	37700	35300	—	—	—	—	—	—	—	—	—
151	63	105800	105800	101000	86600	77200	68100	61700	54700	50300	45900	42500	38600	—	—	—	—	—	—	—	—	—	—
139	63	105800	105800	101400	87100	77600	68300	62200	54900	50500	46100	42800	—	—	—	—	—	—	—	—	—	—	—
131	63	105800	105800	102100	87500	78000	68800	62400	55100	50900	46300	—		—	—	—	—	—	—	—	—	—	—
121	64	105800	105800	102500	88000	78500	69200	62800	55600	51100	—	—	—	—	—	—	—	—	—	—	—	—	—
113	64	105800	105800	103900	89100	79400	70100	63700	56200	—	—	—	—	—	—	—	—	—	—	—	—	—	—
102	65	105800	105800	103900	89100	79600	70300	63700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
94	65	105800	105800	104500	89700	80000	70500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
84	65	105800	105800	104700	89700	80000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75	65	105800	105800	105400	90400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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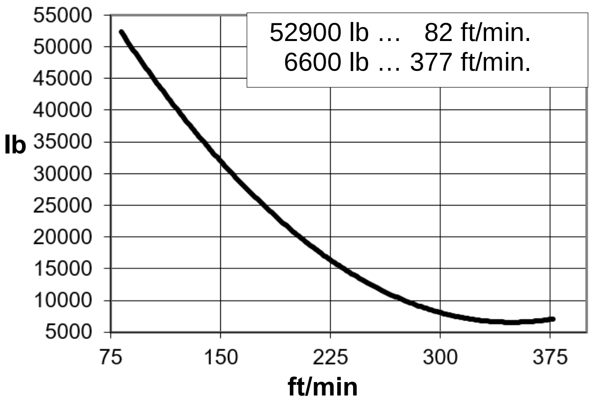
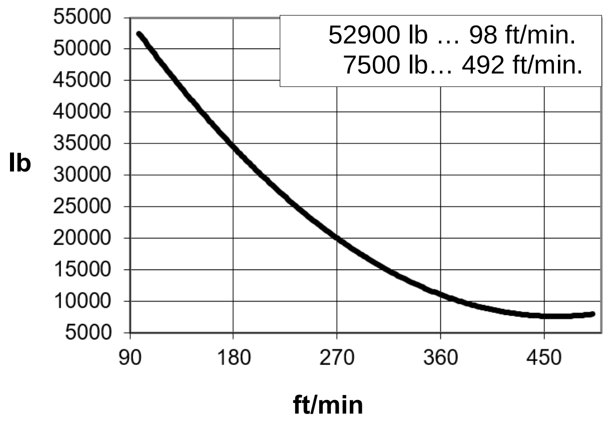
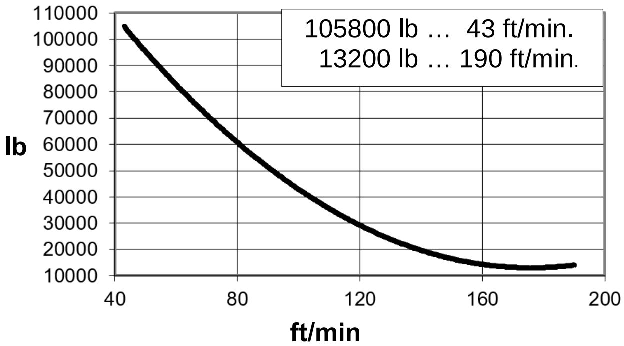
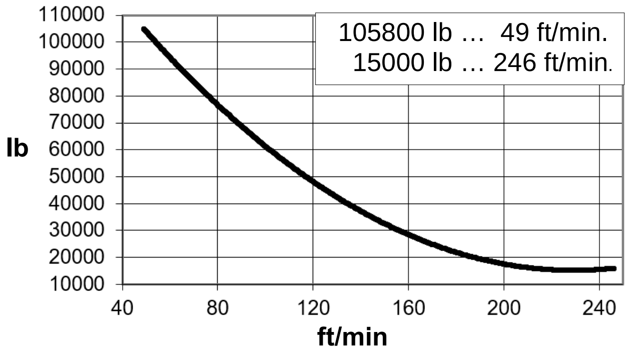
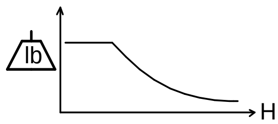
FEM 1001

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* J800.48

*opcional
optional

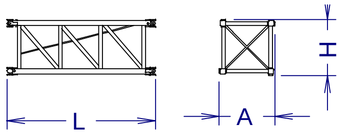
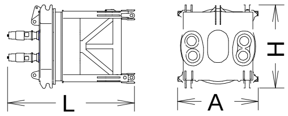
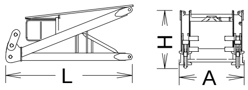
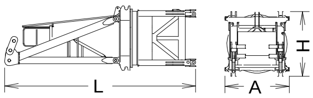
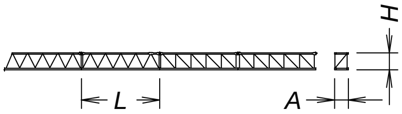
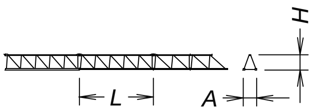
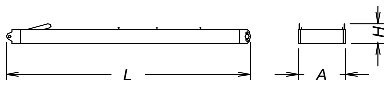
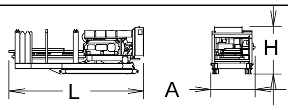
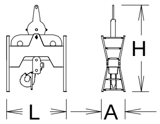
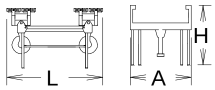
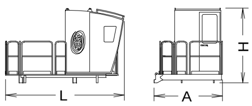
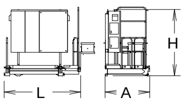
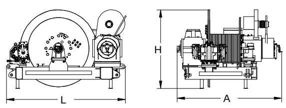
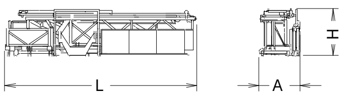
	EC150115VF 110 kW	*EC180150VF 132 kW
		
		

OG4006VF 4 x 7,5 kW	TC2560VF 18,4 kW	TH4010 29,4 kW	*480V* 60Hz EC150115VF: AMPERAGE = 246 A EC180150VF: AMPERAGE = 279 A	
0...0,7 r/min sl/min	52900 lb 0...197 ft/min 105800 lb 0...98 ft/min	2 ft/min	H ≤ SR 1493 ft DR 745 ft 3635 ft	ecoMode

Fecha / *Date:* **16/01/2023**

FEM 1001

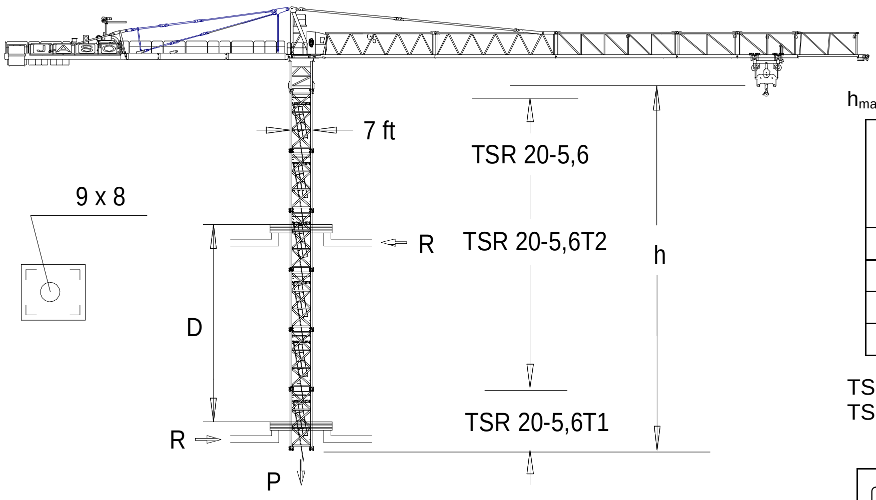
LISTA DE EMBARQUE / *PACKING LIST* — J800.48

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre *Tower*	TSR20		14.0	7.4	7.4	6860
	TSR20-5,6		19.7	7.4	7.4	9285
	TSRI20-5,6		19.7	7.4	7.4	15105
	TSP20		14.4	7.8	7.9	12380
	TSP20-5,6		20.2	7.8	7.9	16900
	TSP20-5,6A		19.9	7.5	7.8	15715
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			15.0	7.7	8.5	28155
Punta de torre *Tower head*			14.3	7.3	7.7	8620
Conjunto asiento pista. punta de torre y orientación *Slewing table assembly. tower head and slewing mechanism*			26.6	10.8	9.5	36775
Tramo de pluma *Jib section*	PC22-31		38.5	7.6	8.2	14630
	PC22-32 + Tr		38.6	6.8	8.2	18300
	PC22-33		38.7	6.8	8.1	13870
	PC22-34b		10.5	6.8	8.1	3895
	PC22-34		19.9	6.8	8.1	6505
	PC22-35		19.8	6.8	8.1	5955
	PT22-36		38.5	6.8	8.1	6670
	PT22-37		38.5	6.8	8.1	4960
	PT22-38		19.4	6.8	8.0	2650
	PT22-39		19.2	6.8	8.0	1700
	PP22		4.1	7.6	2.1	1260
Contrapluma *Counterjib*	C18-1		20.3	6.8	2.5	6185
	C18-2		21.8	6.6	2.9	6660
	C18-3		10.8	6.6	2.9	3980
	C18-4		37.9	6.9	3.3	12810
Contrapluma + Mec. Elevación +Armario eléctrico *Counterjib + Hoisting Mech.+ Electrical cabinet*	C18-1 + C18-4 + EC		37.9	7.6	7.6	33390
Polipasto *Hook assembly*	SR		5.7	5.3	1.2	2315
	ST/DR		7.0	2.9	10.3	4740
Carro *Trolley*	SR		9.3	7.6	9.0	3010
	ST/DR		11.0	7.8	9.5	4665
Plataforma y cabina *Platform and cabin*			12.7	7.3	8.2	2560
Armario eléctrico y plataforma *Electrical cabinet and platform*			9.0	5.3	8.1	2230
Soporte y elevación (sin cable) *Support and hoisting (without rope)*			8.3	7.3	5.5	12790
Transporte torre de montaje *Jacking cage transport*	TM20PASR-5,6		35.5	7.5	7.9	26765

Fecha / *Date:* **16/01/2023**

FEM 1001

TREPADO / *CLIMBING* J800.48



h_{max}: TSR20-5,6T1 + 5xTSR20-5,6 + TSR20-5,6T2

169 ft ST-DR (105800 lb)	▶	■
h (ft)	128	
D (ft)	49 – 59	
P (lbf)	491200	383300
Rmax (lbf)	94400	139400

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

Trepado interno / *Internal climbing*

Ctra./*Rd.* Madrid - Irún Km. 415 - 20.213 IDIAZABAL [Gipuzkoa] ESPAÑA / *SPAIN*
P.O. Box, 23 - 20.200 BEASAIN - E-mail: jaso@jaso.com
Tel. +34 943 - 18 70 00 ● Fax. +34 943 - 18 70 20
www.jaso.com

Fecha / *Date:* **16/01/2023**

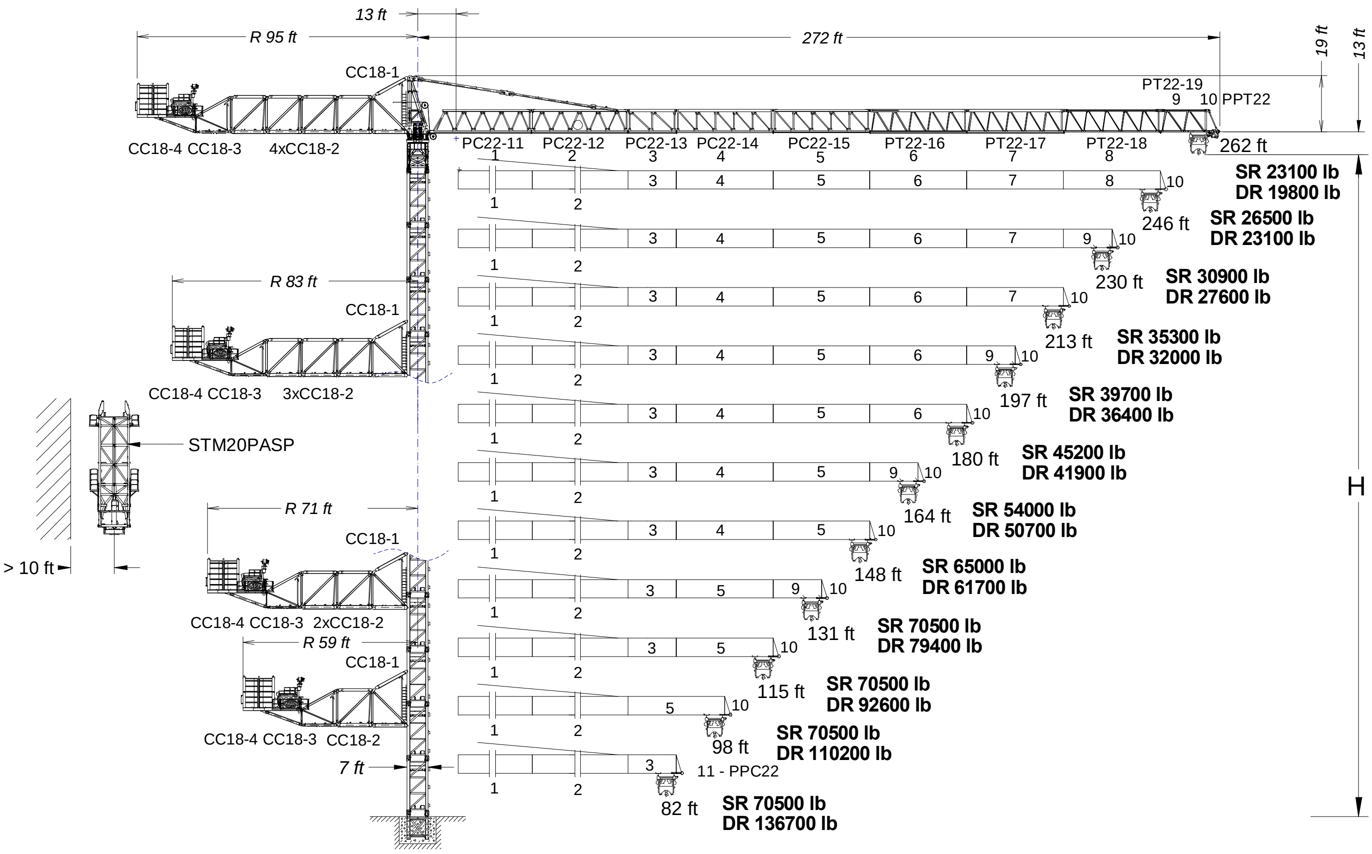
FEM 1001

DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE
J1400

UNE 58-101
FEM 1001

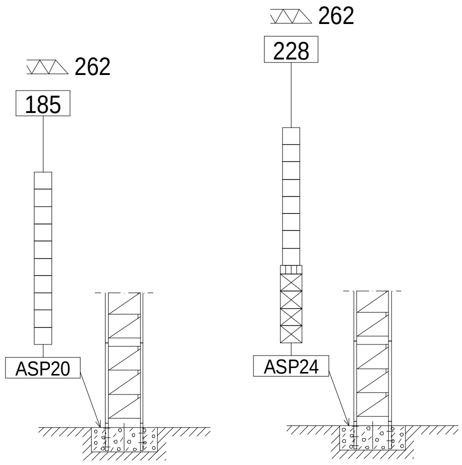
UNE-EN-ISO 9001



H = Altura máxima bajo gancho sin arriostrar (ft).
Maximum height under hook without fastening (ft).

(H) ESTACIONARIA / *STATIONARY*

	H(ft)		
262	185	10	-
246	185	10	-
230	179	9	1
213	179	9	1
197	179	9	1
180	179	9	1
164	167	9	-
148	167	9	-
131	149	8	-
115	149	8	-
98	149	8	-
82	149	8	-



	H(ft)			
262	228	4	1	8
246	228	4	1	8
230	228	5	1	7
213	228	5	1	7
197	228	5	1	7
180	228	5	1	7
164	228	5	1	7
148	228	5	1	7
131	209	5	1	6
115	209	5	1	6
98	209	5	1	6
82	209	5	1	6

TSP20
TSP20-5,6
TSP24/TSP20
TSP24-5,6

Fecha / *Date:* **16/01/2023**

FEM 1001

CARGAS / *LOADS* J1400

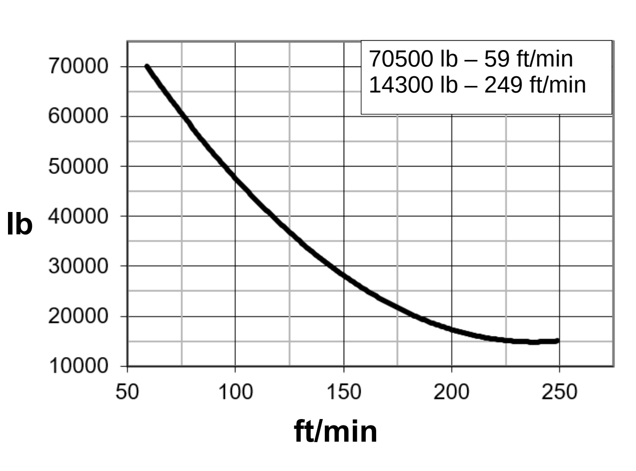
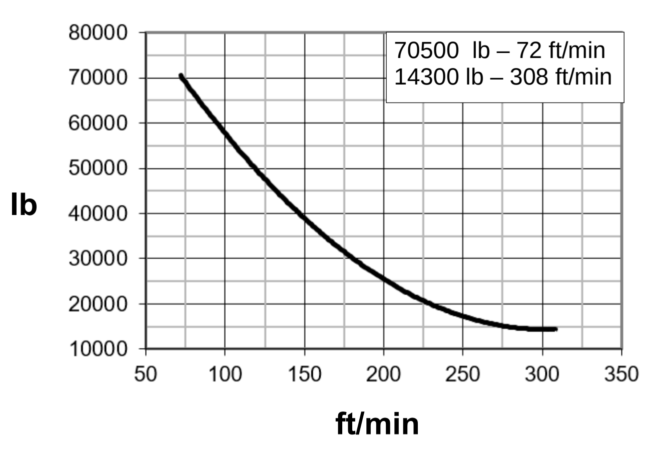
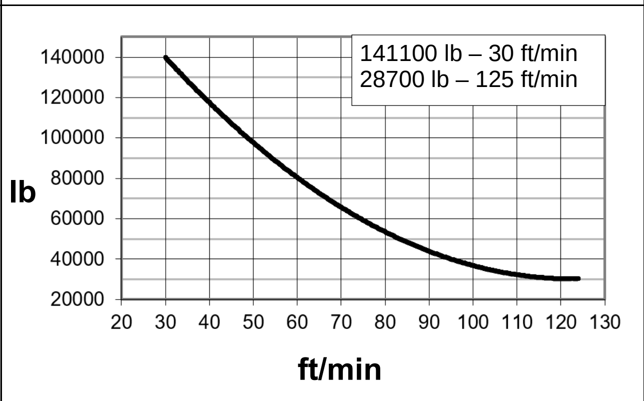
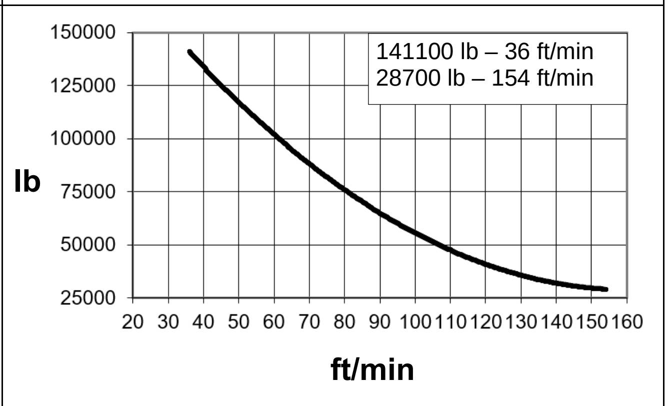
ST-SR (lb)		Cargas máximas / *Maximum loads* **ST - SR – 70500 lb**												
[ft]	**70500 lb** @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*												
		66	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**	**230**	**246**	**262**
262	107	70500	70500	70500	65400	56000	48700	42900	38100	34100	30700	27900	25300	23100
246	111	70500	70500	70500	67800	58100	50600	44500	39600	35500	32000	29000	26500	—
230	116	70500	70500	70500	70500	61300	53400	47100	42000	37600	34000	30900	—	—
213	119	70500	70500	70500	70500	63400	55300	48800	43500	39000	35300	—	—	—
197	121	70500	70500	70500	70500	64400	56200	49600	44200	39700	—	—	—	—
180	123	70500	70500	70500	70500	65800	57400	50700	45200	—	—	—	—	—
164	130	70500	70500	70500	70500	69900	61100	54000	—	—	—	—	—	—
148	137	70500	70500	70500	70500	70500	65000	—	—	—	—	—	—	—
131	131	70500	70500	70500	70500	70500	—	—	—	—	—	—	—	—
115	115	70500	70500	70500	70500	—	—	—	—	—	—	—	—	—
98	98	70500	70500	70500	—	—	—	—	—	—	—	—	—	—
82	82	70500	70500	—	—	—	—	—	—	—	—	—	—	—

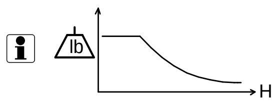
ST-DR (lb)		Cargas máximas / *Maximum loads* **ST - DR – 141100 lb**												
[ft]	**141100 lb** @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*												
		66	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**	**230**	**246**	**262**
262	56	118400	92100	74600	62100	52700	45400	39600	34800	30800	27400	24500	22000	19800
246	58	122600	95500	77400	64500	54800	47200	41200	36300	32200	28700	25700	23100	—
230	60	129000	100600	81600	68100	58000	50100	43800	38600	34300	30700	27600	—	—
213	62	133200	103900	84400	70500	60100	52000	45500	40100	35700	32000	—	—	—
197	63	135100	105500	85800	71700	61100	52800	46300	40900	36400	—	—	—	—
180	64	138000	107800	87600	73300	62500	54100	47400	41900	—	—	—	—	—
164	68	141100	114400	93200	78000	66600	57800	50700	—	—	—	—	—	—
148	72	141100	121500	99100	83100	71100	61700	—	—	—	—	—	—	—
131	79	141100	134800	110200	92600	79400	—	—	—	—	—	—	—	—
115	79	141100	134800	110200	92600	—	—	—	—	—	—	—	—	—
98	79	141100	134900	110200	—	—	—	—	—	—	—	—	—	—
82	80	141100	136700	—	—	—	—	—	—	—	—	—	—	—

Fecha / *Date:* **16/01/2023**

FEM 1001

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J1400

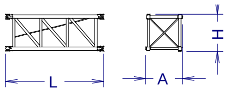
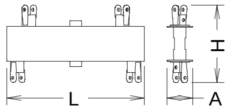
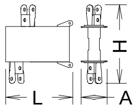
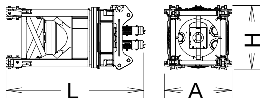
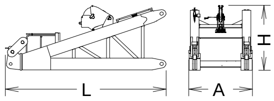
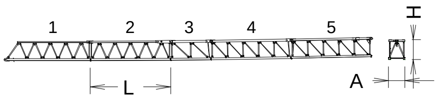
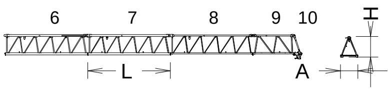
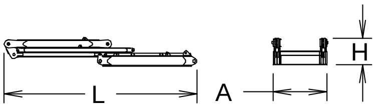
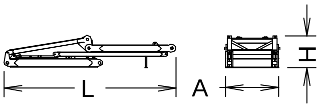
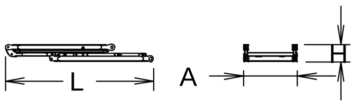
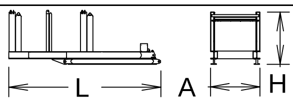
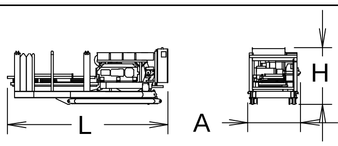
*opcional *optional	EC15076VF 110 kW	*EC18094VF 132 kW
	 	
	 	

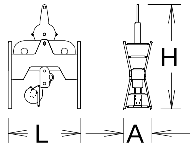
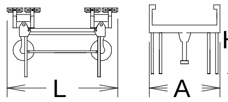
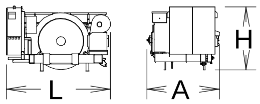
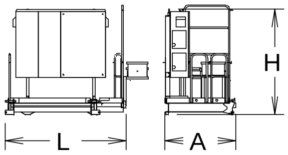
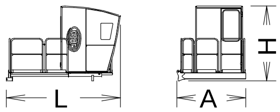
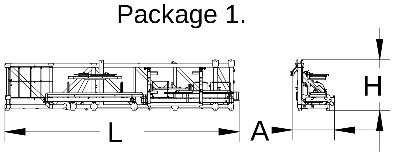
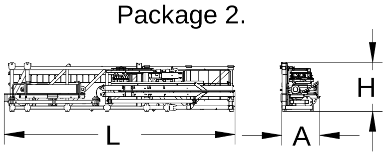
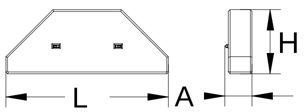
		480V 60Hz	
OG6007VF 3 x 15 kW	TC3360VF 24,3 kW	EC15076VF: AMPERAGE = 286 A EC18094VF: AMPERAGE = 318 A	
0...0,7 r/min sl/min	70500 lb 0...196 ft/min 141100 lb 0...98 ft/min	H ≤ SR 1496 ft DR 748 ft 3809 ft	

Fecha / *Date:* **16/01/2023**

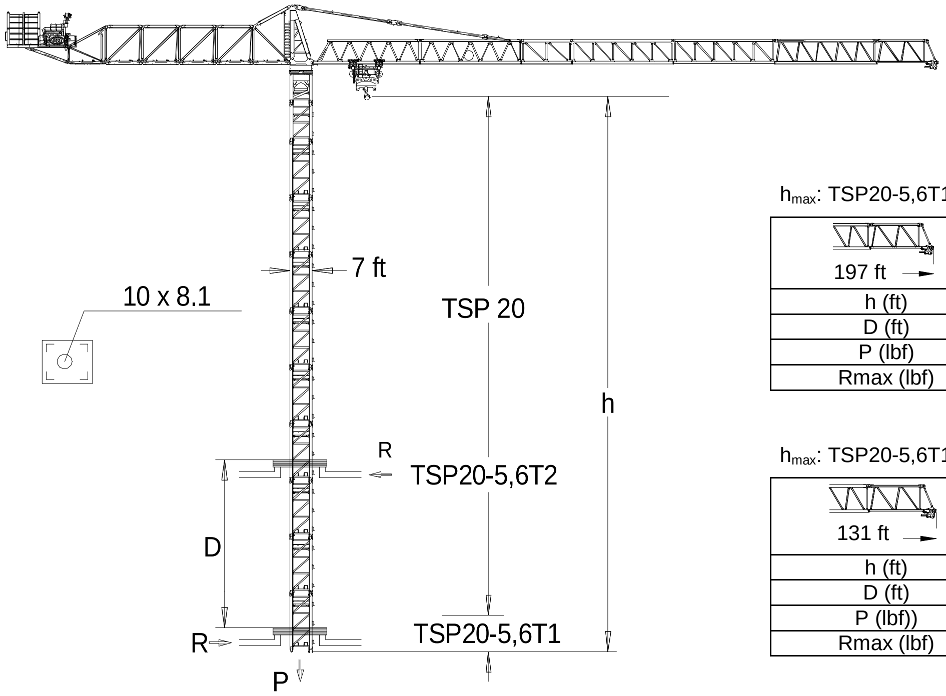
FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J1400

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [Lb]
Torre *Tower*	TSP20 TSP20-5.6 TSP24-5.6		14.4 20.2 20.2	7.5 7.5 9.0	7.8 7.8 9.4	12380 16900 18290
Larguero largo. reducción *Long crossbar. reduction*	TSP24/TSP20		12.9	2.4	7.3	8430
Larguero corto reducción *Short crossbar. reduction.*	TSP24/TSP20		6.2	2.4	7.3	4125
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			17.0	8.0	8.3	47620
Punta de torre *Tower head*			18.3	7.3	7.3	16010
Tramo de pluma *Jib section*	PC22-11 PC22-12+tr PC22-13 PC22-14 PC22-15 PPC22		35.7 33.9 17.7 34.1 34.1 4.0	7.6 7.0 6.8 7.1 6.8 7.7	8.7 8.2 8.2 8.2 8.2 9.6	19910 26900 12435 21300 18080 1875
	PT22-16 PT22-17 PT22-18 PT22-19 PPT22		34.0 33.9 33.9 17.5 4.0	6.8 6.8 6.8 6.8 7.7	8.1 8.1 8.1 8.1 9.6	9315 7340 5390 3110 1765
Contrapluma *Counterjib*	CC18-1		24.6	7.1	3.7	12030
Contrapluma *Counterjib*	CC18-2		22.2	7.1	4.2	11015
Contrapluma *Counterjib*	CC18-3		17.9	6.9	2.2	5095
Contrapluma *Counterjib*	CC18-4		21.6	7.2	7.4	10695
Contrapluma + Mec. Elevación *Counterjib + Hoisting Mech.*	CC18-4 + EC		22.8	7.6	8.0	28605

LISTA DE EMBARQUE / *PACKING LIST*						**J1400**
DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [Lb]
Polipasto *Hook assembly*	ST/DR		7.6	3.0	11.0	6440
Carro *Trolley*	ST/DR		12.1	7.9	7.6	5690
Soporte y elevación (sin cable) / *Support and hoisting (without rope)*			10.4	7.6	6.6	17915
Armario eléctrico y plataforma *Electrical cabinet and platform*			8.9	5.2	7.8	2095
Plataforma y cabina *Platform and cabin*			12.0	7.3	8.1	2450
Transporte torre de montaje *Jacking cage transport*		**TM20PASP-5.6**				
		Package 1. 	38.1	7.3	8.2	26270
		Package 2. 	38.3	6.6	8.2	31815
Contrapeso / *Counterweight*	Lastre / *Ballast*		12.5 12.5 12.5	1.9 0.9 0.6	4.9 4.9 4.9	13230 6615 4410

TREPADO / *CLIMBING* J1400



h_{max}: TSP20-5,6T1 + 7xTSP20-5,6 + TSP20-5,6T2 +TSP20

197 ft	▶	■
h (ft)	179	
D (ft)	35 – 85	
P (lbf)	846405	702525
Rmax (lbf)	200080	330470

h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

131 ft	▶	■
h (ft)	149	
D (ft)	39 – 69	
P (lbf))	763225	619350
Rmax (lbf)	202330	285510

TSP20-5,6T1: 214.31.000
TSP20-5,6T2: 214.31.500

ℹ	Trepado interno / *Internal climbing*

Viento fuera de servicio / *Out of service wind*

ℹ Consultar / *Consult*

▶ En servicio / *In service*

■ Fuera de servicio / *Out of service*

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www.jaso.com

Fecha / *Date:* **16/01/2023**

FEM 1001

DELEGACION / *DEALER*

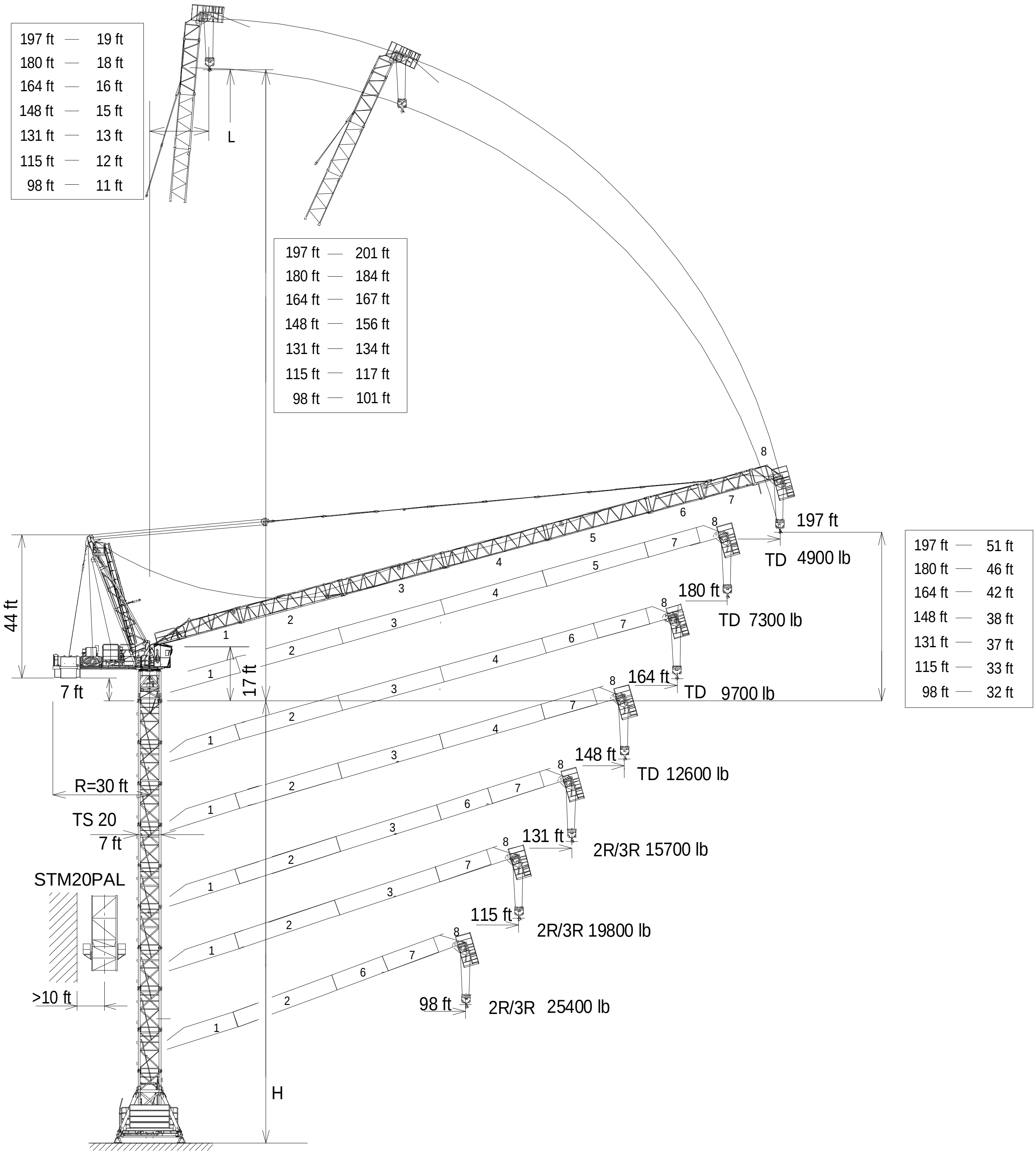

MERITON
MERITON
MERITON
MERITON
PARK ROYAL
PA
JASO
TOWER
CRANES

GRUA TORRE
TOWER CRANE

J265PA

CE UNE 58-101 FEM 1001

UNE-EN-ISO 9001



197 ft	19 ft
180 ft	18 ft
164 ft	16 ft
148 ft	15 ft
131 ft	13 ft
115 ft	12 ft
98 ft	11 ft

197 ft	201 ft
180 ft	184 ft
164 ft	167 ft
148 ft	156 ft
131 ft	134 ft
115 ft	117 ft
98 ft	101 ft

197 ft	51 ft
180 ft	46 ft
164 ft	42 ft
148 ft	38 ft
131 ft	37 ft
115 ft	33 ft
98 ft	32 ft

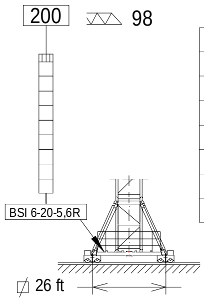
H = Máxima altura de torre sin arriostrar (ft).
Maximum tower height without fastening (ft).

Fecha / *Date:* **16/01/2023**

FEM 1001

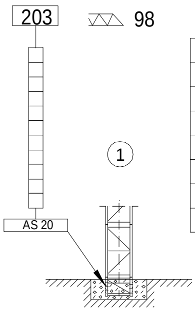
ALTURAS / *HEIGHTS* — J265PA

(H) TRASLACIÓN / *TRAVELLING*

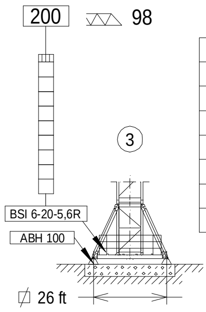


	H(ft)	TS 20-5,6	TS 20
98	200	9	1
115	188	9	-
131	182	8	1
148	170	8	-
164	164	7	1
180	151	7	-
197	146	6	1

(H) ESTACIONARIA / *STATIONARY*

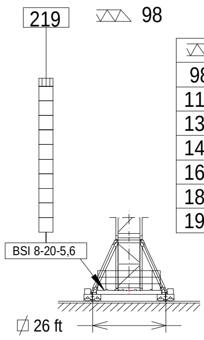


	H(ft)	TS 20-5,6	TS 20
98	203	11	-
115	198	10	1
131	185	10	-
148	185	10	-
164	179	9	1
180	166	9	-
197	160	8	1

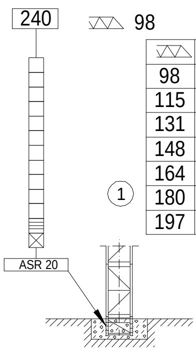


	H(ft)	TS 20-5,6	TS 20
98	200	9	1
115	188	9	-
131	182	8	1
148	169	8	-
164	163	7	1
180	151	7	-
197	145	6	1

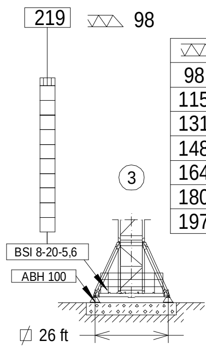
- TS 20
- TS 20-5,6
- TSR 20-5,6A
- TSR 20-5,6



	H(ft)	TS 20-5,6	TS 20
98	219	10	1
115	207	10	-
131	201	9	1
148	188	9	-
164	188	9	-
180	182	8	1
197	170	8	-

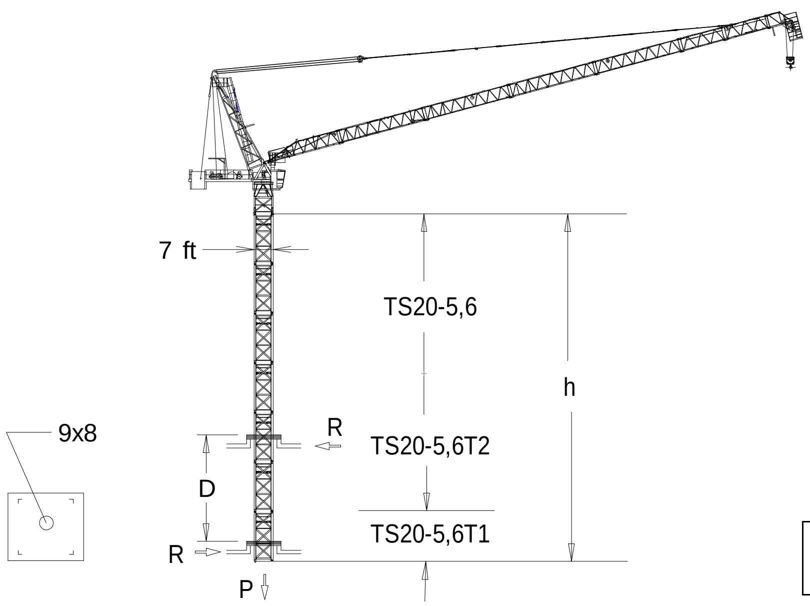


	H(ft)	TSR 20-5,6	TSR 20-5,6A	TS 20-5,6	TS 20
98	240	1	1	11	-
115	240	2	1	10	-
131	234	2	1	9	1
148	221	2	1	9	-
164	216	2	1	8	1
180	203	1	1	9	-
197	203	2	1	8	-



	H(ft)	TS 20-5,6	TS 20
98	219	10	1
115	206	10	-
131	200	9	1
148	188	9	-
164	188	9	-
180	182	8	1
197	169	8	-

TREPADO / *CLIMBING* — J265PA



h_{max}: TS20-5,6T1 + 5xTS 20-5,6 + TS20-5,6T2

197 ft	▶	■
h (ft)	130	
D (ft)	36 - 59	
P (lbf)	275200	234700
Rmax (lbf)	83400	123900

TS20-5,6T1: 160.32.600
TS20-5,6T2: 160.32.700

i	Trepado interno / *Internal climbing*

- Viento fuera de servicio / *Out of service wind*
- Consultar / *Consult*
- ▶ En servicio / *In service*
- ■ Fuera de servicio / *Out of service*

Fecha / *Date:* **16/01/2023**

FEM 1001

CARGAS / *LOADS* **J265PA**

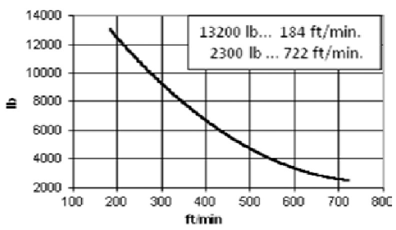
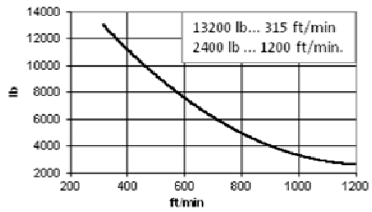
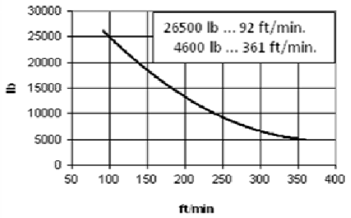
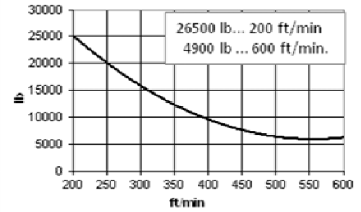
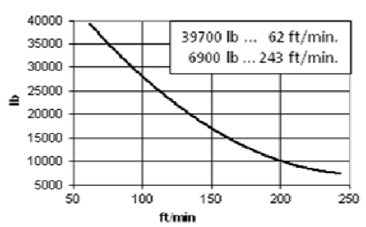
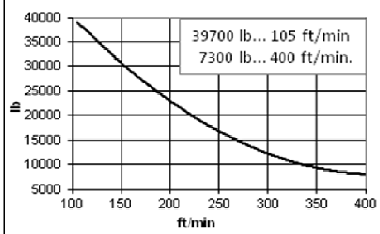
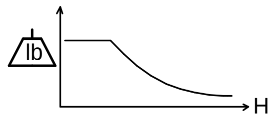
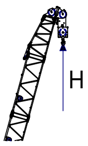
TD [lb] / (ft)	TD 13200 lb @ (ft)	Cargas máximas / *Maximum loads* / *Charges maximales* **TD – 13200 lb**							
		Alcance del gancho [ft] / *Hook reach [ft]*							
		82	**98**	**115**	**131**	**148**	**164**	**180**	**197**
197	136	13200	13200	13200	13200	11200	8600	6600	4900
180	140	13200	13200	13200	13200	11900	9500	7300	——
164	142	13200	13200	13200	13200	12100	9700	——	——
148	144	13200	13200	13200	13200	12600	——	——	——
131	131	13200	13200	13200	13200	——	——	——	——
115	115	13200	13200	13200	——	——	——	——	——
98	98	13200	13200	——	——	——	——	——	——

TD/2R/3R (lb) / (ft)	3R 39700 lb @…[ft]	2R 26500 lb @…[ft]	TD 13200 lb @…[ft]	Cargas máximas / *Maximum loads* / *Charges maximales* **TD/2R/3R – 13200 / 26500 / 39700 lb**								
				Alcance del gancho [ft] / *Hook reach [ft]*								
				66	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**
197		90	135	26500	26500	23100	17900	13900	10800	8400	6200	4400
180		92	138	26500	26500	23600	18500	14600	11500	9000	6800	——
164	69	92	140	39700	31300	24000	18700	15000	11900	9300	——	——
148	69	93	141	39700	31300	24300	19200	15200	12100	——	——	——
131	69	94	131	39700	31800	24700	19600	15700	——	——	——	——
115	69	94	115	39700	32000	24900	19800	——	——	——	——	——
98	70	95	98	39700	32400	25400	——	——	——	——	——	——

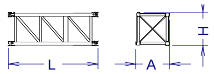
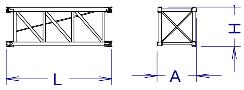
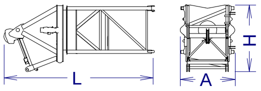
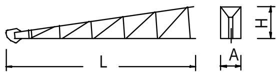
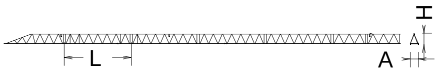
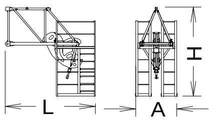
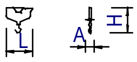
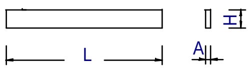
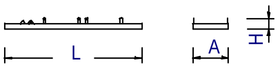
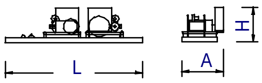
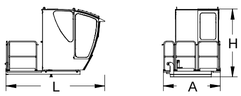
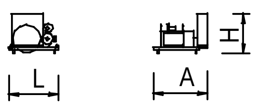
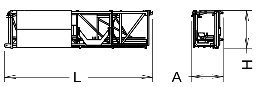
Fecha / *Date:* **16/01/2023**

FEM 1001

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* J265PA

*opcional *optional	EC88110VF 65 kW	*EC150185VF 110 kW	TG2020VF 2x7,3 kW	OG1507VF 2x5,5 kW	EP6015VF 44,1 kW	TH2006 15 kW
			0...66 ft/min	0...0,8 r/min sl/min	1,5 min	2 ft/min
			*480V* 60Hz **EC88110VF: AMPERAGE = 203 A** **EC150185VF: AMPERAGE = 263 A**			
						
	H ≤ TD 2067 ft 2R 1033 ft 3R 689 ft	2770 ft	**ecoMode**			

LISTA DE EMBARQUE / *PACKING LIST* — J265PA

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre inferior / *Lower tower*	TSI20-5,6		19.6	7.6	7.8	11900
Torre /*Tower*	TS20 TS20-5,6 TSR20-5,6A TSR20-5,6 TR24-5,6		13.9 19.6 19.4 19.7 19.7	7.7 7.6 7.8 7.4 9.1	7.7 7.8 7.6 7.4 9.3	5900 7800 9200 9300 10500
Torre asiento pista, base punta torre y orientación *Slewing table, tower head base and slewing mechanism*			19.4	8.8	101.2	21800
Punta de torre + pasteca *Tower head +reeving block*			38.3	6.3	6.7	13200
Tramo de pluma *Jib section*	(1) (2) (3) (4) (5) (6) (7)		30.3 33.5 33.5 33.5 33.5 17.4 17.4	6.9 4.2 4.2 4.2 4.2 4.2 4.2	5.8 5.3 5.2 5.2 5.2 5.2 5.3	3500 3300 3000 2700 2600 1500 2000
Punta de pluma / *Jib end*			11.2	5.2	11.8	1940
Polipasto / *Hook assembly*			3.0	1.3	4.0	970
Tirante sostén pluma / *Jib support tie*			19.2	1.2	1.2	2500
Estructura contrapluma / *Counterjib structure*			25.5	6.3	2.4	3200
Contrapluma con mecanismos / *Counterjib with mechanisms*			25.5	7.3	7.8	26000
Plataforma y cabina / *Platform and cabin*			11.2	6.8	7.9	2400
Mecanismos *Mechanisms*	Elevación carga / *Hoisting* Elevación pluma / *Luffing*		7.9 6.5	6.8 7.7	6.8 6.2	13700 7100
Transporte torre de montaje *Jacking cage transport*	TM 20PAL-5,6		31.3	6.8	8.3	12500

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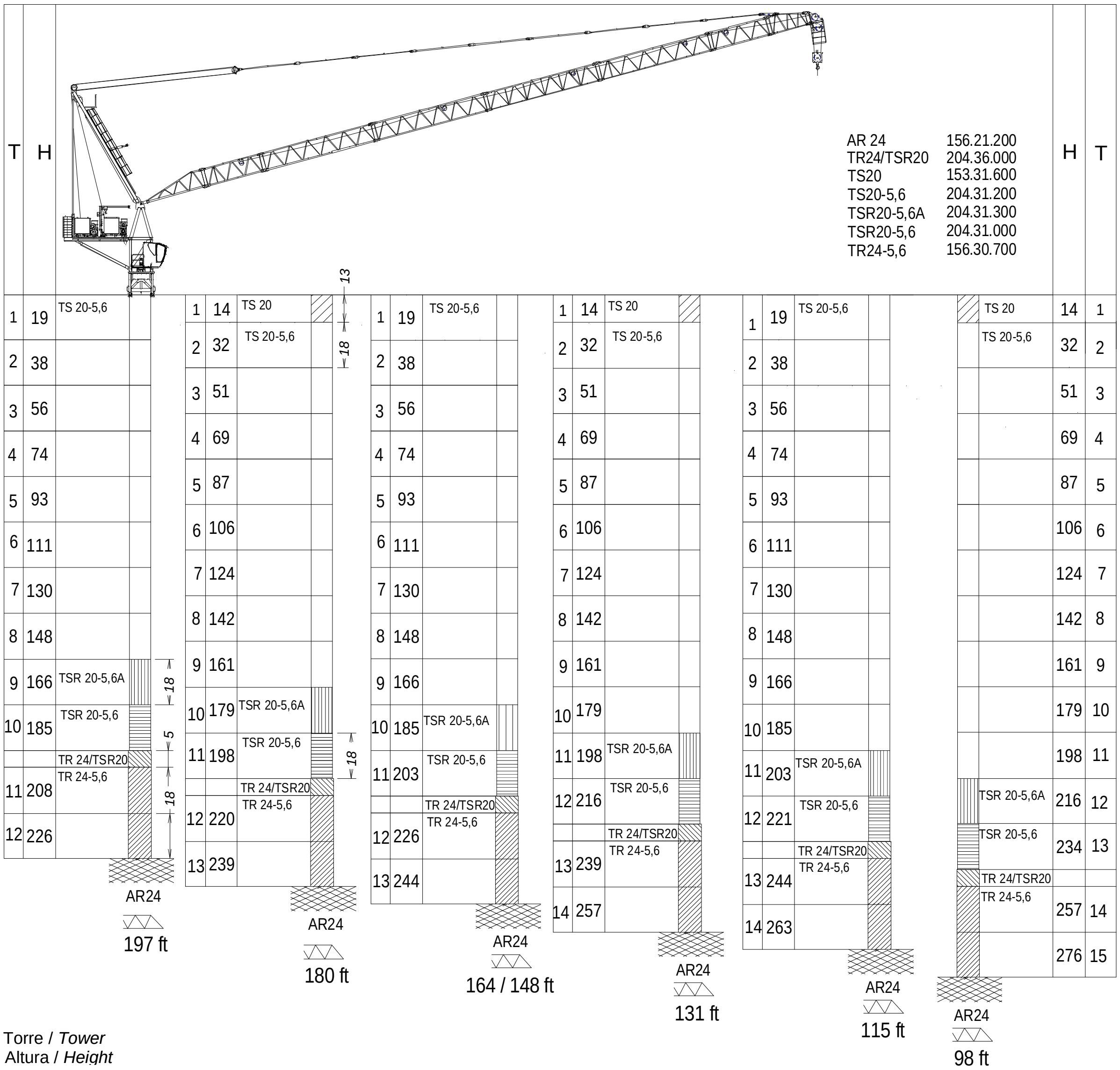
FEM 1001

COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* — J265PA

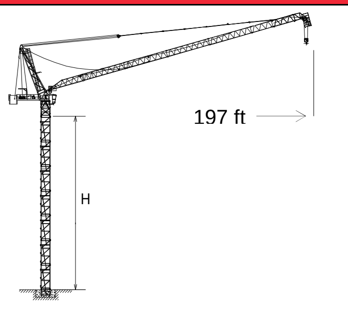


Tower (197 ft) T	H	Tower (180 ft) T	H	Tower (164 / 148 ft) T	H	Tower (131 ft) T	H	Tower (115 ft) T	H	Tower (98 ft) H	T
1	19	1	14	1	19	1	14	1	19	14	1
2	38	2	32	2	38	2	32	2	38	32	2
3	56	3	51	3	56	3	51	3	56	51	3
4	74	4	69	4	74	4	69	4	74	69	4
5	93	5	87	5	93	5	87	5	93	87	5
6	111	6	106	6	111	6	106	6	111	106	6
7	130	7	124	7	130	7	124	7	130	124	7
8	148	8	142	8	148	8	142	8	148	142	8
9	166	9	161	9	166	9	161	9	166	161	9
10	185	10	179	10	185	10	179	10	185	179	10
11	208	11	198	11	203	11	198	11	203	198	11
12	226	12	220	12	226	12	216	12	221	216	12
		13	239	13	244	13	239	13	244	234	13
						14	257	14	263	257	14
										276	15

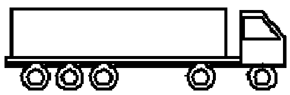
T: Torre / *Tower*
H: Altura / *Height*

Otras configuraciones de torre
Other tower configuration

TREPADO / *CLIMBING* — J265PA

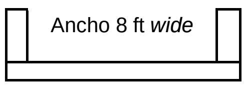


H = 161 ft + + AS20

8 x 

7 x HIGH CUBE 40' + 1 x

FLAT RACK 40'



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FEM 1001

DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE

J280PA.2R

UNE 58-101
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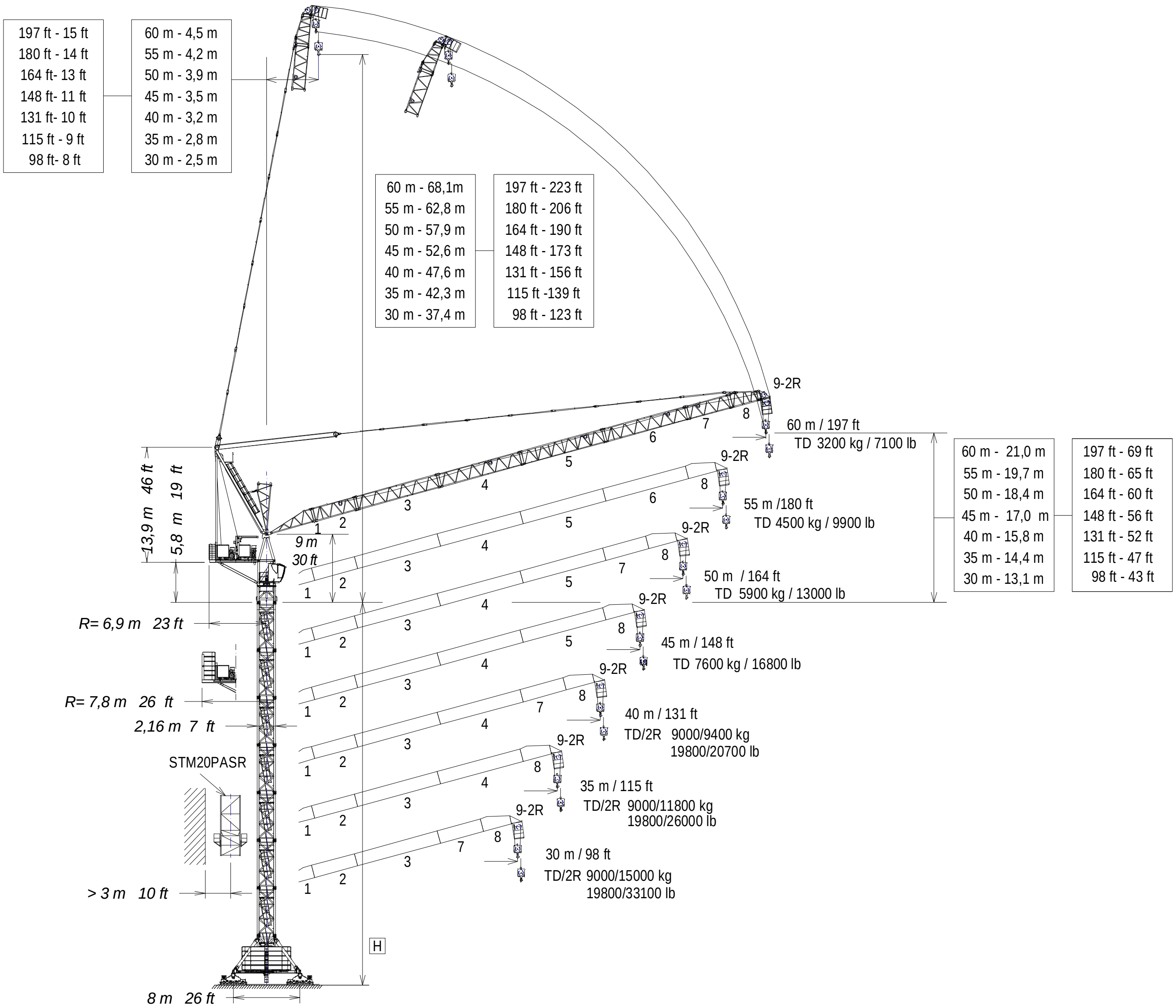
UNE-EN-ISO 9001

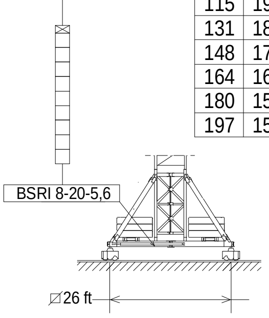


H = Máxima altura de torre sin arriostrar (ft).
Maximum tower height without fastening (ft).

(H) TRASLACIÓN / *TRAVELLING*

98

204

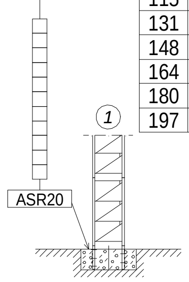


	H(ft)	□	⊠
98	204	9	1
115	191	9	-
131	185	8	1
148	173	8	-
164	167	7	1
180	154	7	-
197	154	7	-

(H) ESTACIONARIA / *STATIONARY*

98

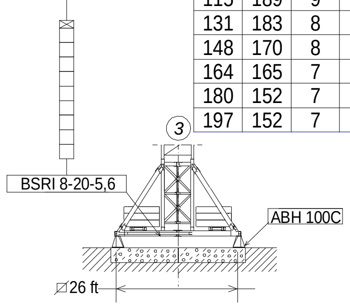
203



	H(ft)	□	⊠
98	203	11	-
115	185	10	-
131	185	10	-
148	179	9	1
164	166	9	-
180	161	8	1
197	148	8	-

98

201



	H(ft)	□	⊠
98	98	9	1
115	189	9	-
131	183	8	1
148	170	8	-
164	165	7	1
180	152	7	-
197	152	7	-

⊠ TSR20
□ TSR20-5,6

Fecha / *Date:* **16/01/2023**

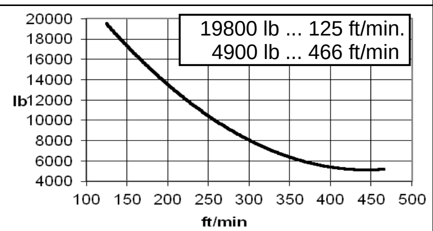
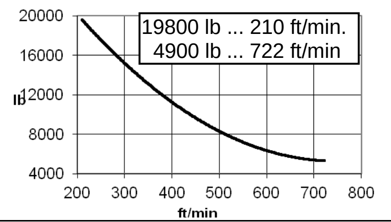
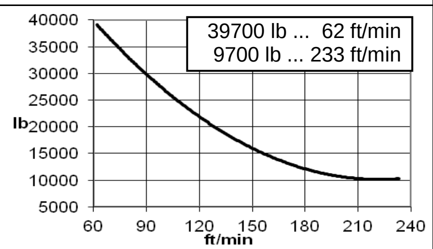
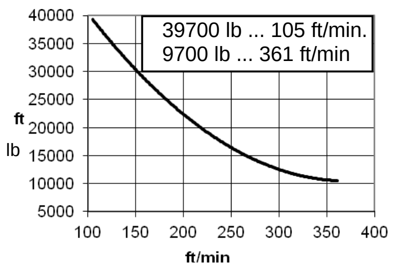
FEM 1001

CARGAS / *LOADS* — J280PA.2R

[ft]	TD (lb) 19800 lb @ ... (ft)	Cargas máximas / *Maximum loads* **TD -19800 lb** Alcance del gancho [ft] / *Hook reach [ft]* 82	98	115	131	148	164	180	197
197	131	19800	19800	19800	19700	15600	12200	9400	7100
180	132	19800	19800	19800	19800	16000	12700	9900	——
164	133	19800	19800	19800	19800	16300	13000	——	——
148	135	19800	19800	19800	19800	16800	——	——	——
131	131	19800	19800	19800	19800	——	——	——	——
115	115	19800	19800	19800	——	——	——	——	——
98	98	19800	19800	——	——	——	——	——	——

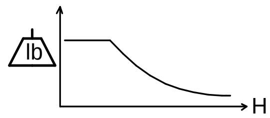
[ft]	TD/2R (lb) 19800 39700 @ ... (ft)	Cargas máximas / Maximum loads **TD/2R – 19800/39700 lb** Alcance del gancho [ft] / *Hook reach [ft]* 82	98	115	131	148	164	180	197
197	130 85	19800 39700	19800 31800	19800 24700	19400	15200	11800	9000	6600
180	131 85	19800 39700	19800 32000	19800 25000	19800	15600	12300	9500	——
164	132 85	19800 39700	19800 32100	19800 25200	19800 20000	15900	12600	——	——
148	134 85	19800 39700	19800 32400	19800 25600	19800 20400	16300	——	——	——
131	131 85	19800 39700	19800 32600	19800 25900	19800 20700	——	——	——	——
115	115 85	19800 39700	19800 32700	19800 26000	——	——	——	——	——
98	98 86	19800 39700	19800 33100	——	——	——	——	——	——

CARACTERISTICAS DE MECANISMOS / MECHANISMS — J280PA.2R

*opcional *optional	**EC8871VF** **65 kW**	*** EC150110VF** **110 kW**	**TG4025VF** **4x7,5 kW**	**OG2008VF** **2x7,3 kW**	**EP10015VF** **75 kW**	**TH4010** **29,4 kW**
TD			0...82 ft/min	0...0,8 r/min sl/min	1,5 min	2 ft/min
2R			*480V* 60Hz **EC8871VF: AMPERAGE = 260 A** **EC150110VF: AMPERAGE = 320 A**			

H ≤ TD 2684 ft | 2R 1342 ft

4219 ft



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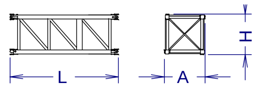
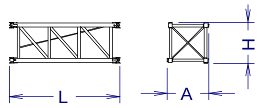
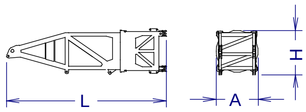
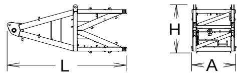
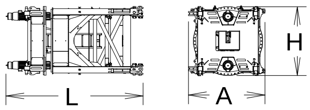
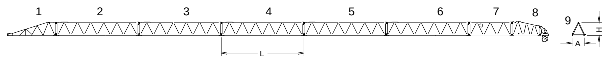
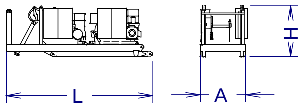
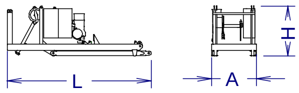
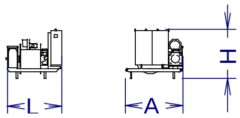
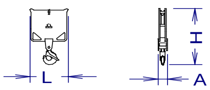
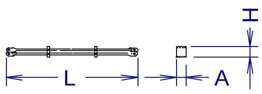
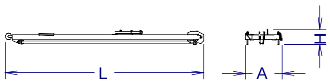
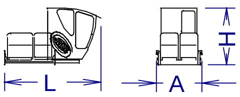
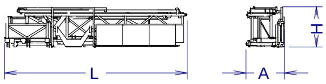
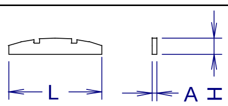
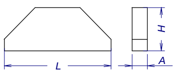
FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J280PA.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	14500
Torre *Tower*	TSR20 TSR20-5,6		14.0 19.7	7.4 7.4	7.4 7.4	6900 9300
Torre asiento pista, torre superior y orientación *Slewing table, top tower and slewing mechanism*			31.4	7.6	8.4	34400
Punta de torre / *Top tower*			19.0	6.9	7.8	10800
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			15.0	8.4	7.6	23600
Tramo de pluma *Jib section*	[1] [2] [3] [4] [5] [6] [7] [8] [9]		20.6 18.1 34.4 34.4 34.4 34.4 18.3 12.1 3.8	7.0 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2	5.6 5.7 5.7 5.7 5.7 5.7 5.7 6.0 6.4	3300 2500 4450 4100 3700 3200 1800 1900 1500
Contrapluma con mecanismos, pasteca y plumin *Counterjib with mechanisms, reeving block and auxiliary jib*			23.5	7.2	8.1	42100
Contrapluma con elevacion pluma, pasteca y plumin *Counterjib with luffing mechanisms, reeving block and auxiliary jib*			23.5	7.2	8.1	23300
Mecanismo elevacion carga *Hoisting mechanism*			7.9	7.0	6.8	18800
Polipasto *Hook assembly*	2R/TD TD		3.1 0.5	0.8 0.5	5.3 5.5	1060 430
Tirante sostén pluma *Jib support tie*			19.1	1.4	1.6	4600
Parte superior *Top part*			39.0	7.2	2.8	11900
Plataforma y cabina (2 x 1,5) *Platform and cabin*			13.1	6.3	7.7	2600
Transporte torre de montaje *Jacking cage transport*	TM20PASR-5,6		35.5	7.5	7.9	26800
Contrapeso *Counterweight*			14.8	0.8	2.6	13200
Contrapeso *Counterweight*	Lastre *Ballast*		12.5	1.9	4.9	13200

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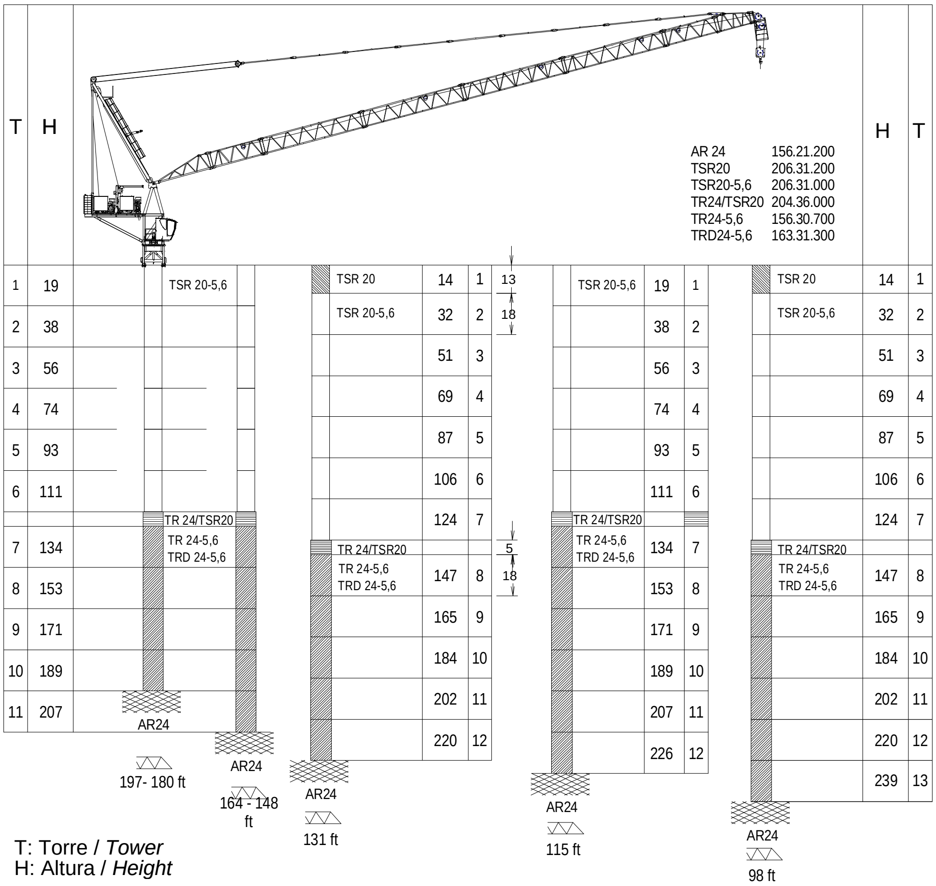
FEM 1001

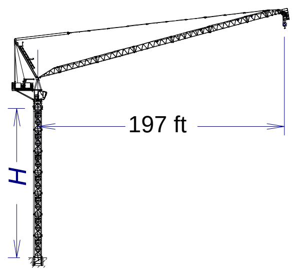
COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* — J280PA.2R

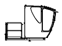


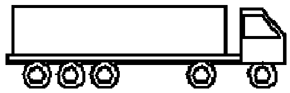
T: Torre / *Tower*
H: Altura / *Height*

Otras configuraciones de torre / *Other tower configuration*

Transporte / *Transport*

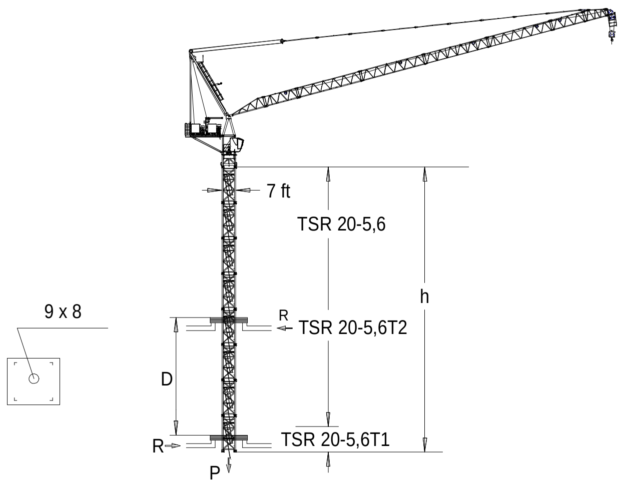


H=152 ft +  + BSRI 8-20-5,6

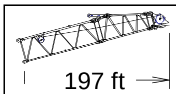
8x 

9x HIGH CUBE 40'

TREPADO / *CLIMBING* — J280PA.2R



h_{max}: TSR20-5,6T1 + 6xTSR20-5,6 + TSR20-5,6T2

 197 ft	▶	■
h (ft)	147	
D (ft)	44 - 69	
P (lbf)	349400	308900
Rmax (lbf)	100700	155600

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

Trepado interno / *Internal climbing*

Viento fuera de servicio / *Out of service wind*
Consultar / *Consult*
▶ En servicio / *In service*
■ Fuera de servicio / *Out of service*

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FEM 1001

DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE

J438PA.2R

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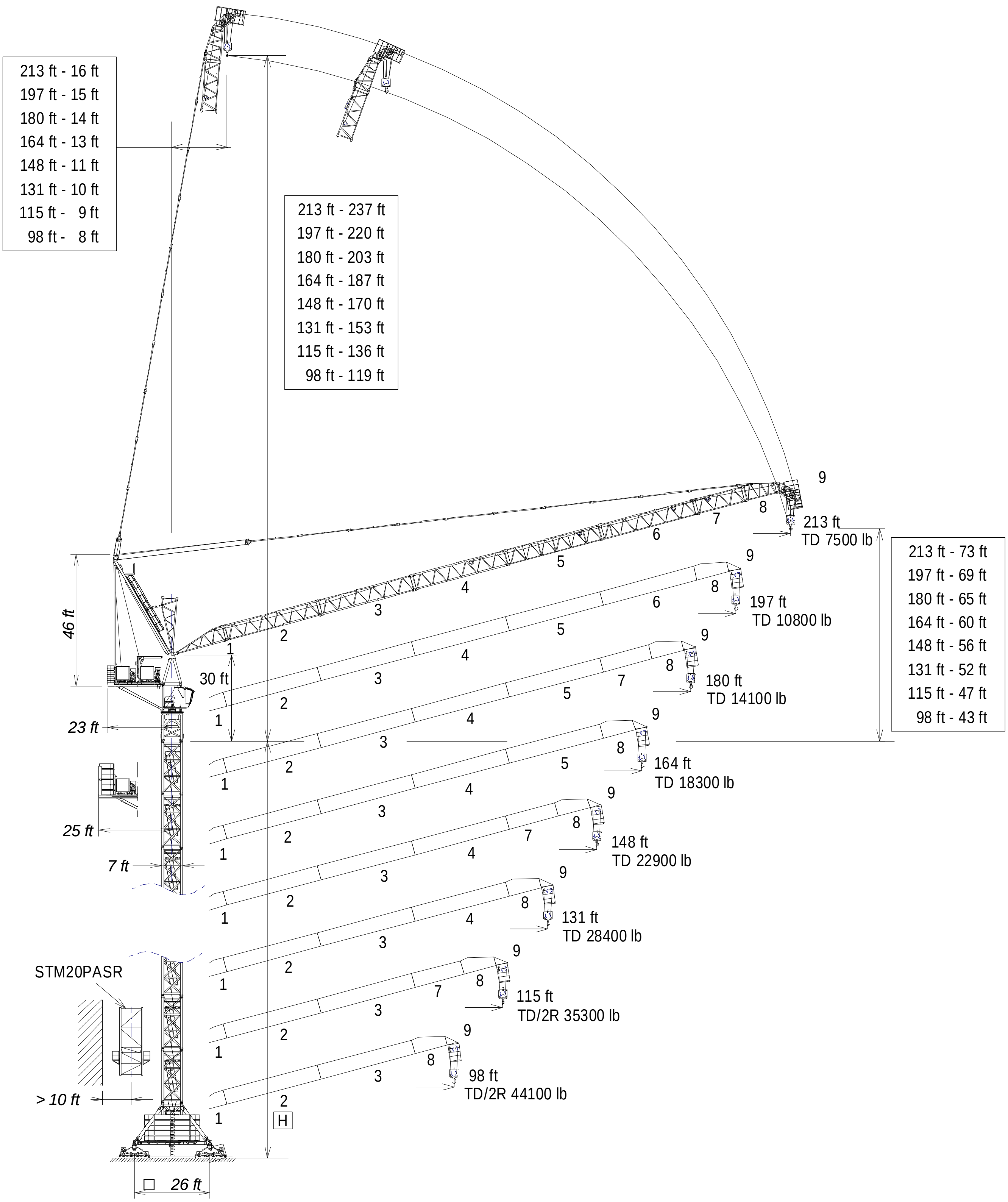
FEM 1001

UNE-EN-ISO 9001



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

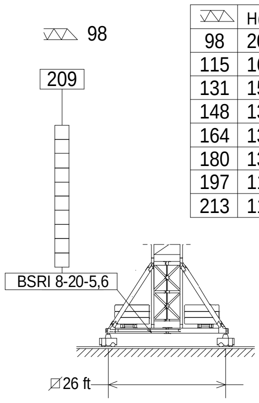
FEM 1001

Fecha / *Date:* **16/01/2023**

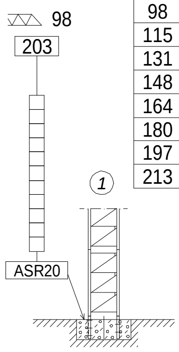
ALTURAS / *HEIGHTS* — J438PA.2R

TD

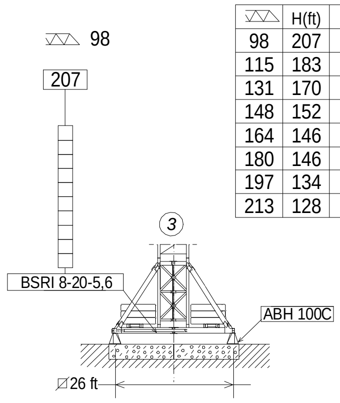
(H) TRASLACIÓN / *TRAVELLING* — (H) ESTACIONARIA / *STATIONARY*



Jib	H(ft)	□	⊠
98	209	10	-
115	167	7	1
131	154	7	-
148	136	6	-
164	136	6	-
180	130	5	1
197	117	5	-
213	112	4	1



Jib	H(ft)	□	⊠
98	203	11	-
115	166	9	-
131	148	8	-
148	142	7	1
164	130	7	-
180	124	6	1
197	111	6	-
213	111	6	-



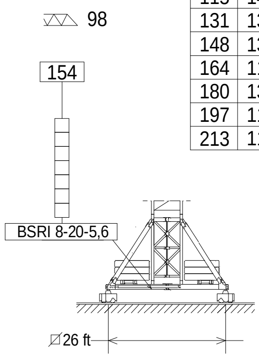
Jib	H(ft)	□	⊠
98	207	10	-
115	183	8	1
131	170	8	-
148	152	7	-
164	146	6	1
180	146	6	1
197	134	6	-
213	128	5	1

⊠ TSR20

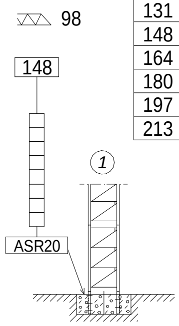
□ TSR20-5,6

TD / 2R

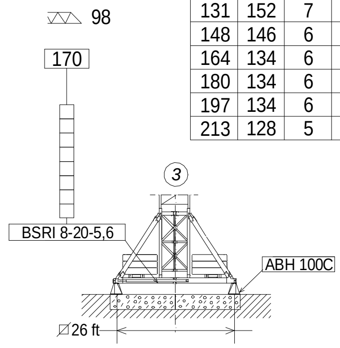
(H) TRASLACIÓN / *TRAVELLING* — (H) ESTACIONARIA / *STATIONARY*



Jib	H(ft)	□	⊠
98	154	7	-
115	149	6	1
131	136	6	-
148	136	6	-
164	117	5	-
180	130	5	1
197	117	5	-
213	112	4	1



Jib	H(ft)	□	⊠
98	148	8	-
115	148	8	-
131	130	7	-
148	130	7	-
164	111	6	-
180	111	6	-
197	111	6	-
213	111	6	-

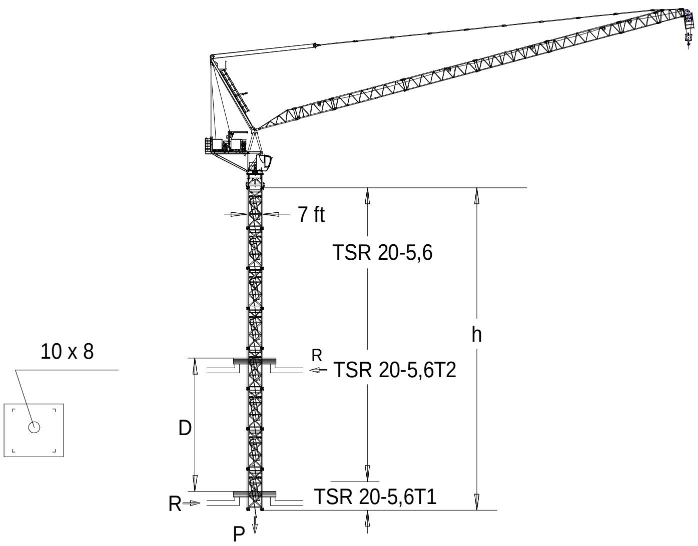


Jib	H(ft)	□	⊠
98	170	8	-
115	165	7	1
131	152	7	-
148	146	6	1
164	134	6	-
180	134	6	-
197	134	6	-
213	128	5	1

⊠ TSR20

□ TSR20-5,6

TREPADO / *CLIMBING* — J438PA.2R



h_{max}: TSR20-5,6T1 + 5xTSR20-5,6 + 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

ℹ	Trepado interno / *Internal climbing*

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		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*

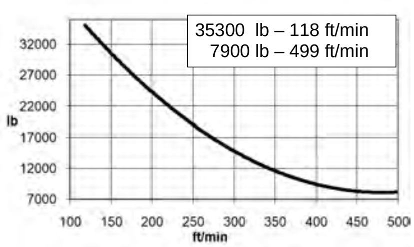
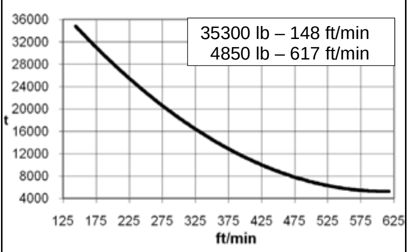
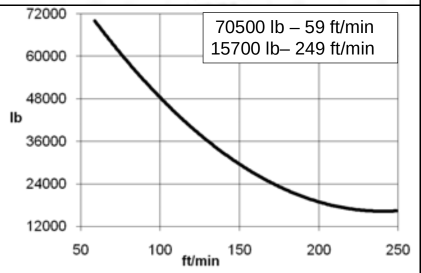
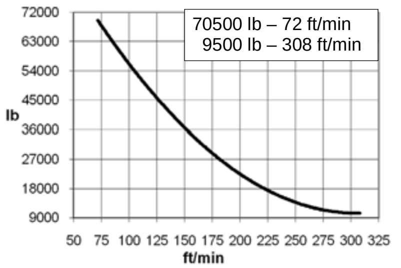
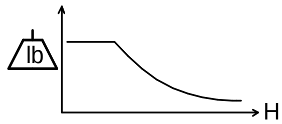
■ Fuera de servicio / *Out of service*

Fecha / *Date:* **16/01/2023**

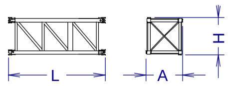
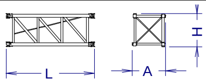
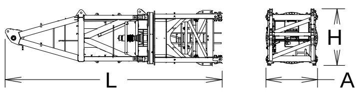
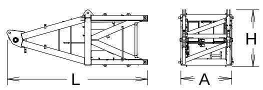
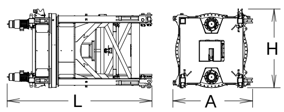
FEM 1001

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
Single fall			0... 0,8 r/min sl/min	1,5 min	0...82 ft/min	2 ft/min
Double fall			*480V* 60Hz **EC150152VF: AMPERAGE = 320 A** **EC180188VF: AMPERAGE = 358 A**			
H	H ≤ TD 1798 ft / 2R 899 ft	H ≤ TD 2133 ft / 2R 1066 ft				
Drum	2841 ft		**ecoMode**			

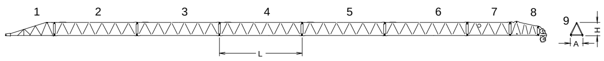
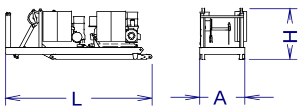
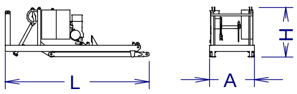
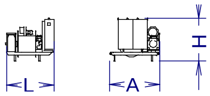
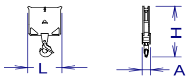
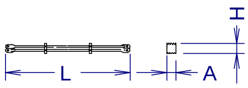
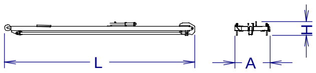
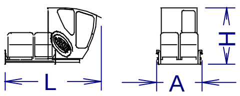
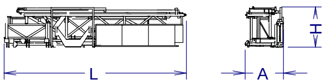
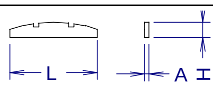
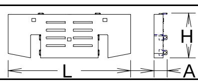
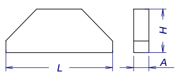
LISTA DE EMBARQUE / *PACKING LIST* — J438PA.2R

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

Fecha / *Date:* **16/01/2023**

FEM 1001

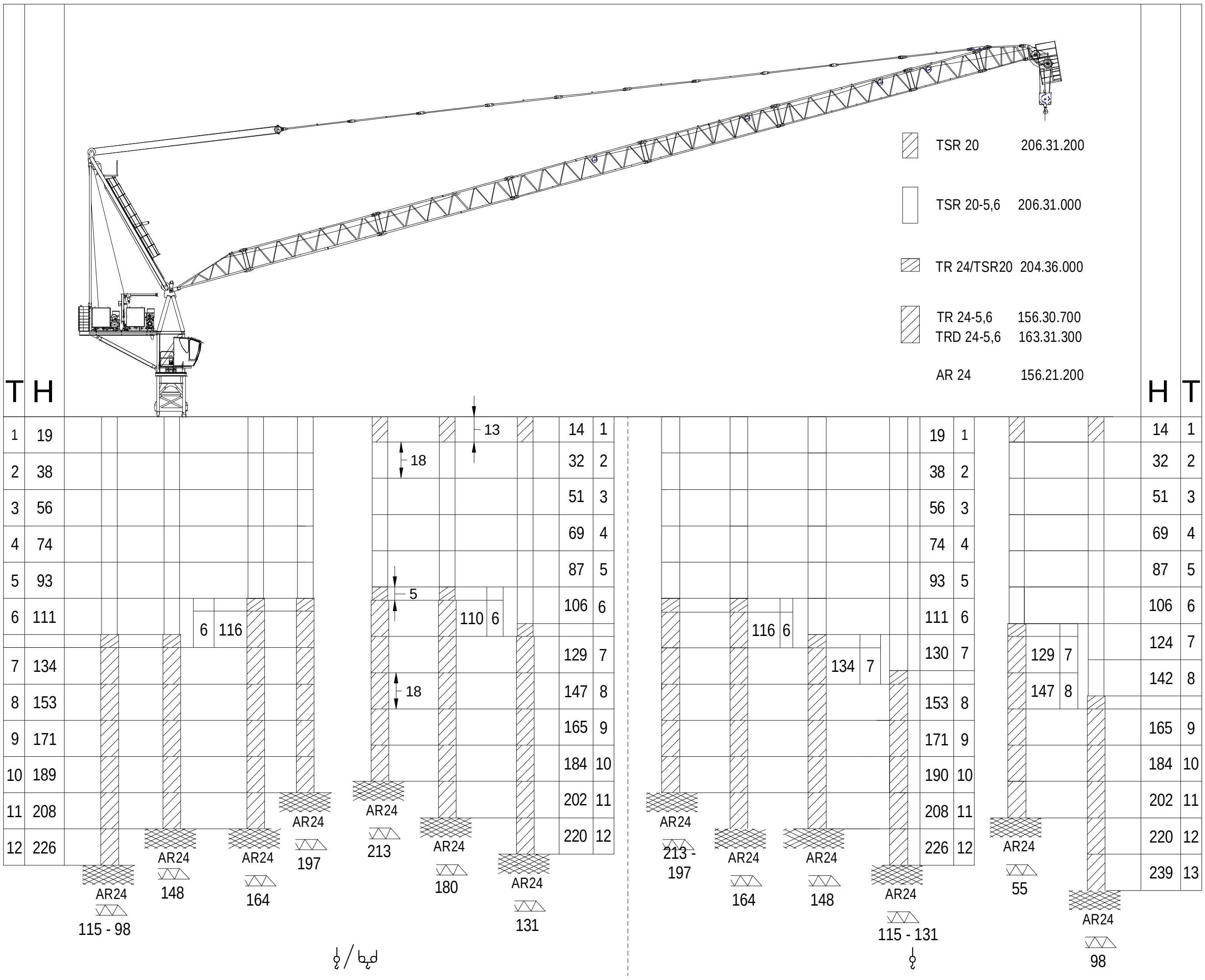
LISTA DE EMBARQUE / *PACKING LIST* — J438PA.2R

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		3.3	1.4	6.5	1735
	TD		0.6	1.1	6.9	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

Fecha / *Date:* **16/01/2023**

FEM 1001

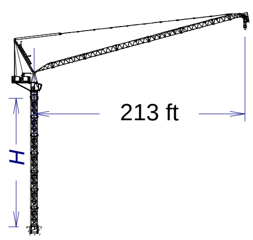
COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* J438PA.2R



T: Torre / *Tower*
H: Altura / *Height*

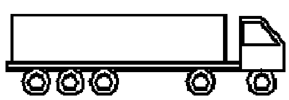
Otras configuraciones de torre / *Other tower configuration*

TRANSPORTE / *TRANSPORT* J438PA.2R



H = 111 ft + + ASRD20/24

8 x



7 x HIGH CUBE 40'

1 x OPEN TOP 40'

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P.O. Box, 23 - 20.200 BEASAIN - E-mail: jaso@jaso.com
Tel. +34 943 - 18 70 00 ● Fax. +34 943 - 18 70 20
www.jaso.com

Fecha / *Date:* **16/01/2023**

FEM 1001

DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE

J450PA

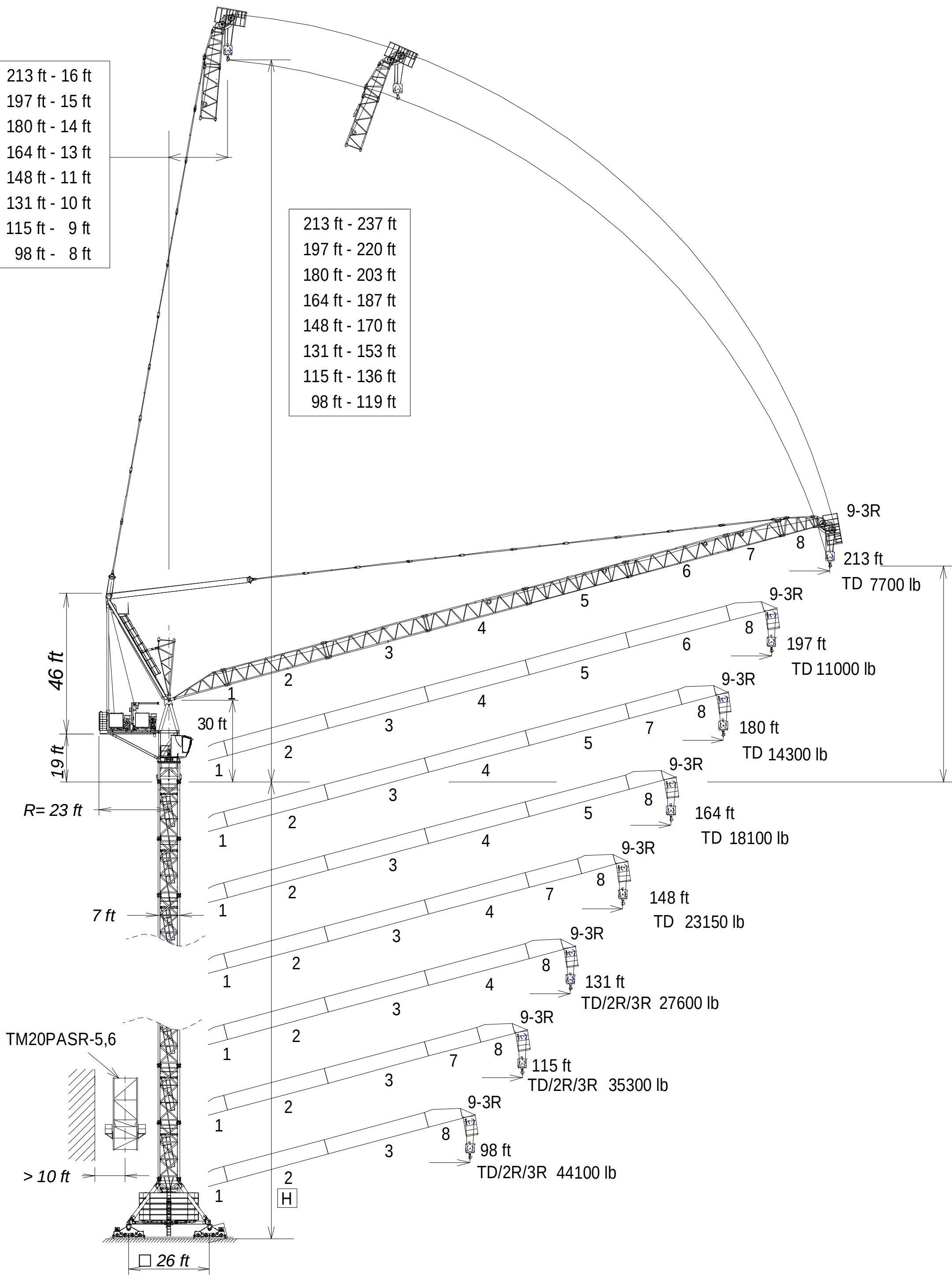
CE EN 14439 C25

UNE-EN-ISO 9001

213 ft - 16 ft
197 ft - 15 ft
180 ft - 14 ft
164 ft - 13 ft
148 ft - 11 ft
131 ft - 10 ft
115 ft - 9 ft
98 ft - 8 ft

213 ft - 237 ft
197 ft - 220 ft
180 ft - 203 ft
164 ft - 187 ft
148 ft - 170 ft
131 ft - 153 ft
115 ft - 136 ft
98 ft - 119 ft

213 ft - 73 ft
197 ft - 69 ft
180 ft - 65 ft
164 ft - 60 ft
148 ft - 56 ft
131 ft - 52 ft
115 ft - 47 ft
98 ft - 43 ft



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

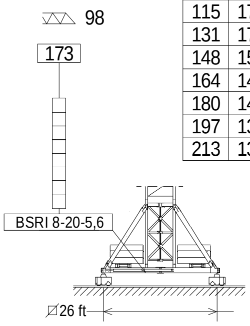
Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

ALTURAS / *HEIGHTS* J450PA

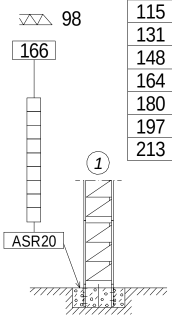
TD

(H) TRASLACIÓN / *TRAVELLING*

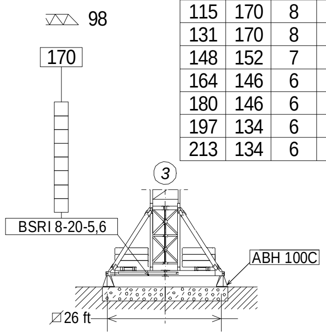


	H(ft)	☐	⊠
98	173	8	-
115	173	8	-
131	173	8	-
148	154	7	-
164	149	6	1
180	149	6	1
197	136	6	-
213	136	6	-

(H) ESTACIONARIA / *STATIONARY*



	H(ft)	☐	⊠
98	166	9	-
115	166	9	-
131	166	9	-
148	148	8	-
164	130	7	-
180	130	7	-
197	124	6	1
213	124	6	1

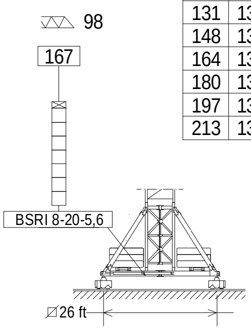


	H(ft)	☐	⊠
98	170	8	-
115	170	8	-
131	170	8	-
148	152	7	-
164	146	6	1
180	146	6	1
197	134	6	-
213	134	6	-

⊠ TSR20
☐ TSR20-5,6

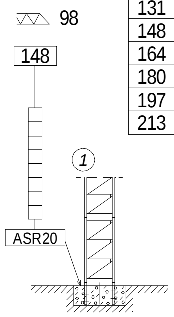
TD / 2R / 3R

(H) *TRASLACIÓN / TRAVELLING*

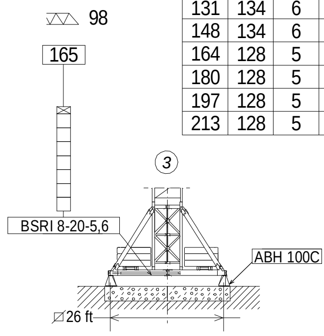


	H(ft)	☐	⊠
98	167	7	1
115	154	7	-
131	136	6	-
148	136	6	-
164	130	5	1
180	130	5	1
197	130	5	1
213	130	5	1

(H) ESTACIONARIA / *STATIONARY*



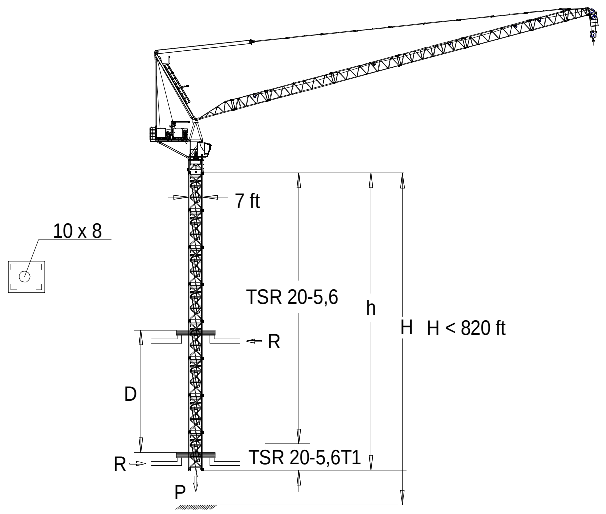
	H(ft)	☐	⊠
98	148	8	-
115	142	7	1
131	124	6	1
148	124	6	1
164	111	6	-
180	111	6	-
197	111	6	-
213	111	6	-



	H(ft)	☐	⊠
98	165	7	1
115	152	7	-
131	134	6	-
148	134	6	-
164	128	5	1
180	128	5	1
197	128	5	1
213	128	5	1

⊠ TSR20
☐ TSR20-5,6

TREPADO / *CLIMBING* J450PA



h_{max}: TSR20-5,6T1 + 4xTSR20-5,6 + TSR20-5,6T2

213 ft 39700 lb	▶	■
h (ft)	110	
D (ft)	45 – 50	
P (lbf)	420400	379900
Rmax (lbf)	109000	161900

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

ℹ	Trepado interno / *Internal climbing*

Viento fuera de servicio / *Out of service wind*
ℹ Consultar / *Consult / Nous consulter*
▶ En servicio / *In service / En service*
■ Fuera de servicio / *Out of service*

Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

CARGAS / *LOADS* — J450PA

[ft]	TD 26500 lb @ (ft)	Cargas máximas / *Maximum loads* TD – 26500 lb — Alcance del gancho [ft] / *Hook reach [ft]* 98	115	131	148	164	180	197	213
213	131	26500	26500	26500	21200	17000	13200	10400	7700
197	133	26500	26500	26500	21800	17600	14100	11000	-
180	134	26500	26500	26500	22000	17900	14300	-	-
164	134	26500	26500	26500	22300	18100	-	-	-
148	137	26500	26500	26500	23150	-	-	-	-
131	131	26500	26500	26500	-	-	-	-	-
115	115	26500	26500	-	-	-	-	-	-
98	98	26500	-	-	-	-	-	-	-

Cargas máximas / *Maximum loads*
TD/2R/3R (lb)

[ft]	3R 79400 lb @ (ft)	2R 52900 lb @ (ft)	TD 26500 lb @ (ft)	Alcance del gancho [ft] / *Hook reach [ft]* 49	66	82	98	115	131	148	164	180	197	213
213			129	26500	26500	26500	26500	26500	25400	20100	15900	12300	9300	6600
197		84	130	52900	52900	52900	41900	32800	26000	20700	16500	13000	9900	-
180		84	131	52900	52900	52900	41900	33100	26200	20900	16800	13200	-	-
164	61	84	131	79400	72100	54000	41900	33100	26500	21200	17000	-	-	-
148	61	84	134	79400	73200	54900	42800	34000	27300	22000	-	-	-	-
131	61	84	131	79400	73400	55100	43000	34200	27600	-	-	-	-	-
115	62	86	115	79400	73900	56000	44100	35300	-	-	-	-	-	-
98	62	86	98	79400	73900	56000	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	101	149	39700	39700	32200	25400	20100	15900	12300	9300	6600

[ft]	3R 66100 lb @ (ft)	2R 44100 lb @ (ft)	TD 22000 lb @ (ft)	Alcance del gancho [ft] / *Hook reach [ft]* 66	82	98	115	131	148	164	180
180	71	95	144	66100	54500	41900	33100	26200	20900	16800	13200

Fecha / *Date:* **16/01/2023**

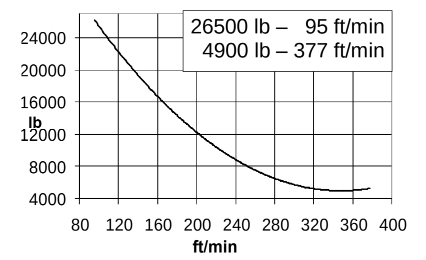
FEM 1005 - C25

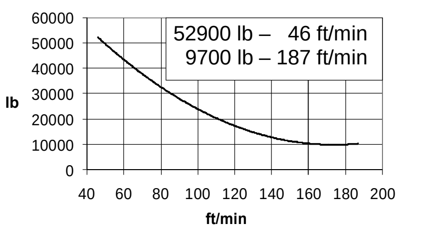
CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J450PA

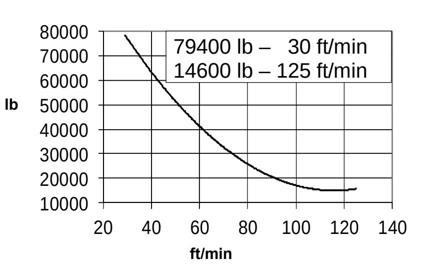
*opcional
*optional

	EC88115VF 65 kW	* EC150218VF 110 kW	* EC180305VF 132 KW

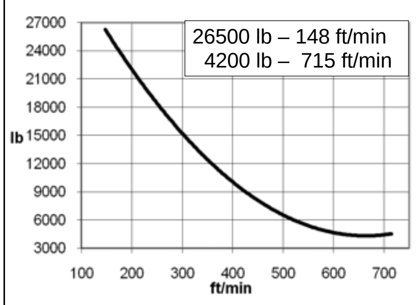
EC88115VF — 65 kW

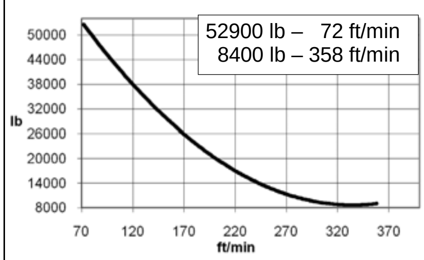


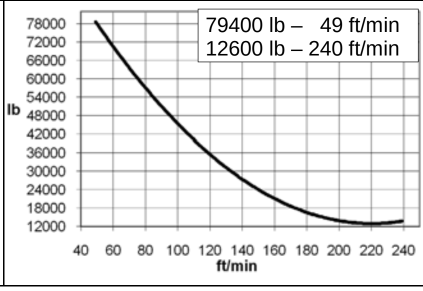




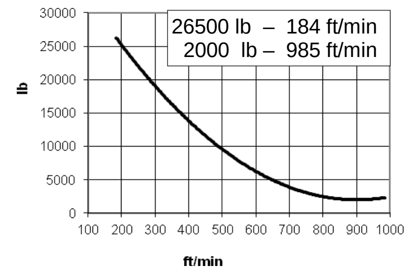
* EC150218VF — 110 kW

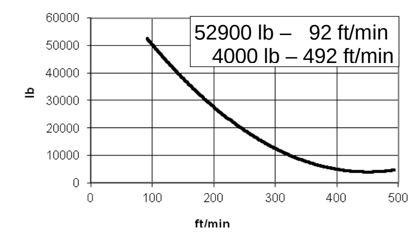


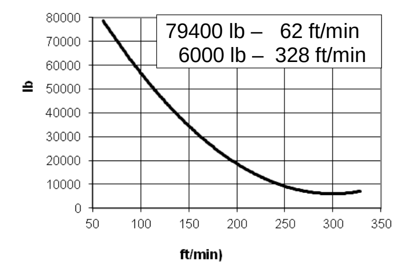




* EC180305VF — 132 KW







TG4025VF 4x7,5 kW	OG2008VF 2x7,3 kW	EP10015VF 75 kW	TH4010 29,4 kW
0...82 ft/min	0... 0,8 r/min sl/min	1,5 min	2 ft/min

480V 60Hz

EC88115VF: AMPERAGE = 260 A
***EC150218VF: AMPERAGE = 320 A**
***EC180305VF: AMPERAGE = 358 A**

H ≤		
	TD	2867 ft
	2R	1434 ft
	3R	955 ft

3704 ft

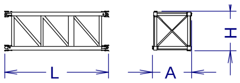
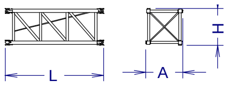
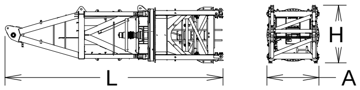
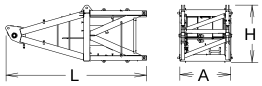
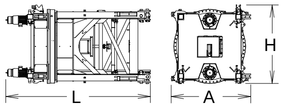
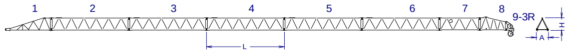
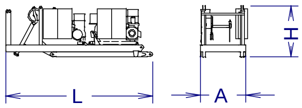
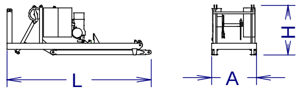
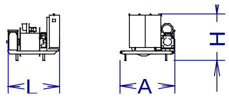
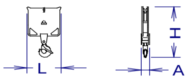
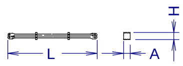
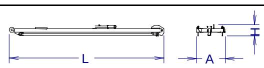
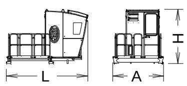
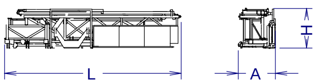
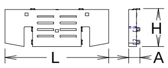
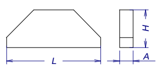
ecoMode

lb — H

Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

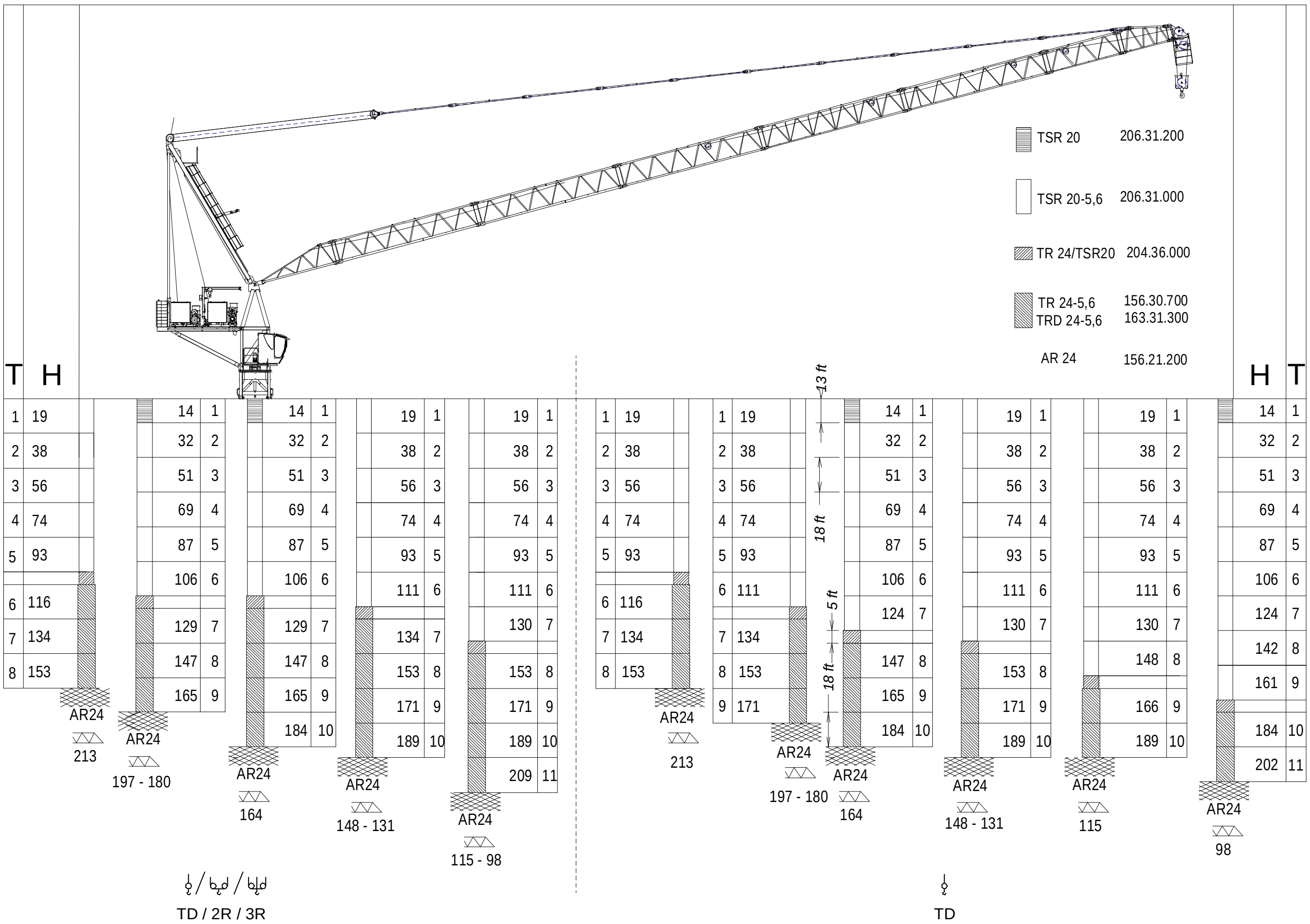
LISTA DE EMBARQUE / *PACKING LIST* — J450PA

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 9280
Torre asiento pista, torre superior y orientación			31.7	7.6	8.4	35120
Punta de torre *Top tower*			19.2	7.5	7.8	11690
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			15.3	8.4	8.1	23440
Tramo de pluma *Jib section*	[1] [2] [3] [4] [5] [6] [7] [8] [9-3R]		20.6 34.3 34.5 34.6 34.6 34.6 18.4 12.4 7.8	7.2 5.1 5.1 5.1 5.1 5.1 5.1 5.1 6.5	5.9 5.7 5.7 5.7 5.7 5.7 5.7 6.1 10.4	4035 5955 5780 5060 4235 3915 2160 2185 2405
Contrapluma con mecanismos, pasteca y plumin *Counterjib with mechanisms, reeving block and auxiliary jib*			20.8	7.4	8.2	42900
Contrapluma con elevacion pluma, pasteca y plumin *Counterjib+ luffing mechanisms+ reeving block+ auxiliary jib*			20.8	7.3	8.2	27010
Mecanismo elevacion carga *Hoisting mechanism*			7.2	8.3	6.8	19435
Polipasto *Hook assembly*	TD/2R/3R TD		3.6 0.5	1.1 0.9	5.6 5.6	1765 530
Tirante sostén pluma *Jib support tie*			19.2	1.4	2	5240
Parte superior *Top part*			39.2	7.3	2.9	15380
Plataforma y cabina (2 x 1,5) *Platform and cabin*			12.0	7.5	8.1	2760
Transporte torre de montaje *Jacking cage transport*	TM20PASR-5,6		35.5	7.5	7.9	26770
Contrapeso *Counterweight*			7.2 14.8	1.1 1.1	2.7 2.7	6615 13230
Lastre *Ballast*			12.5	0.9	4.9	6615

Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

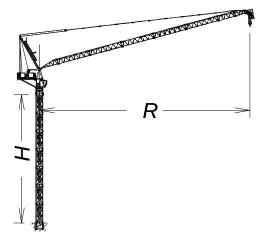
COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* — J450PA



T: Torre / *Tower*
H: Altura / *Height*

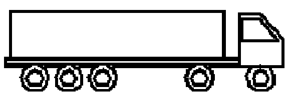
Otras configuraciones de torre / *Other tower configuration*

TRANSPORTE / *TRANSPORT* — J450PA



H = 111 ft + + ASRD20/24

8 x



7 x HIGH CUBE 40’

1 x OPEN TOP 40´

Ctra./*Rd.* Madrid - Irún Km. 415 - 20.213 IDIAZABAL [Gipuzkoa] ESPAÑA / *SPAIN*
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www.jaso.com

Fecha / *Date:* **16/01/2023**

FEM 1005 - C25

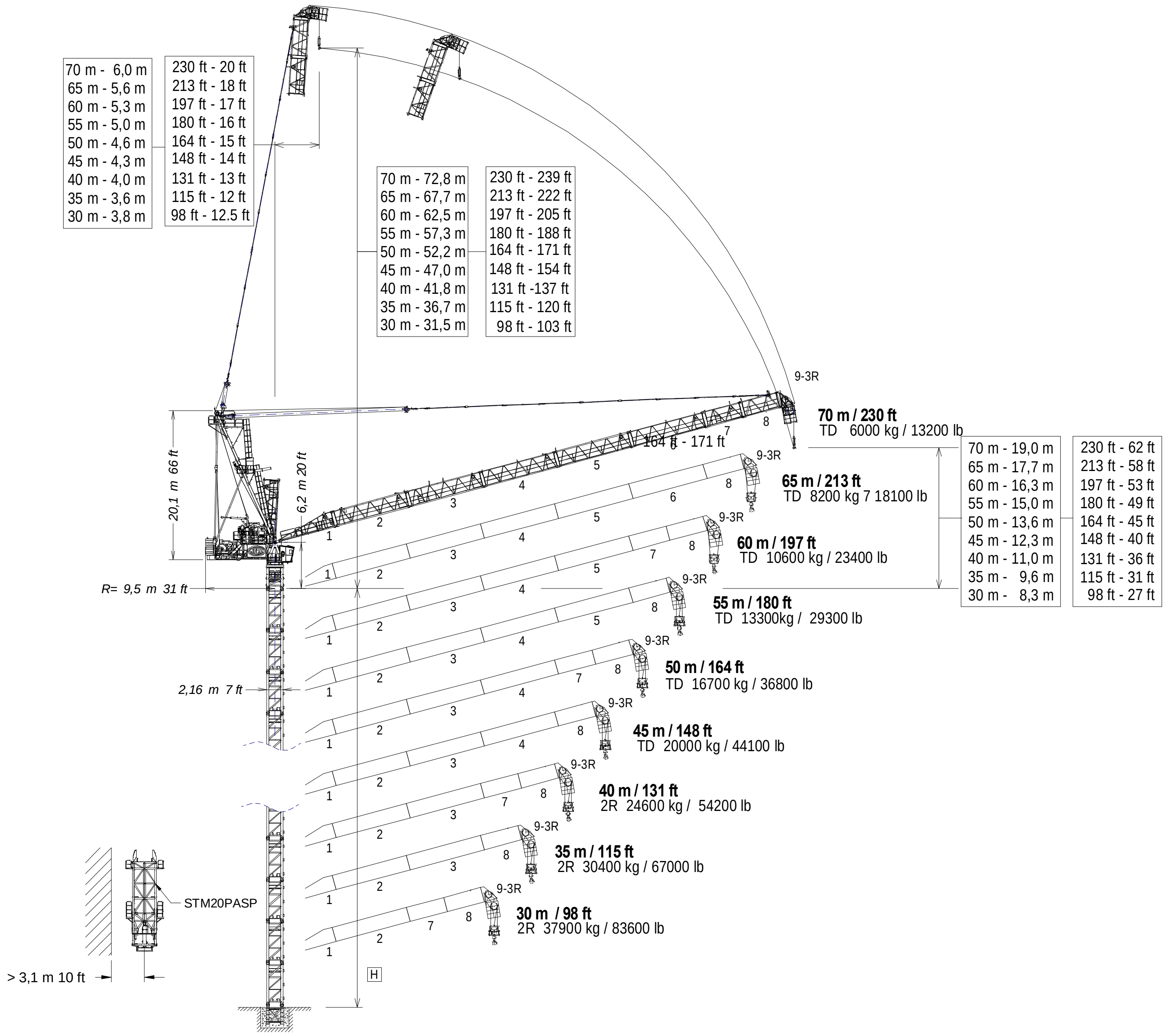
DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE

J780PA.60

CE — UNE 58-101 / FEM 1001

UNE-EN-ISO 9001



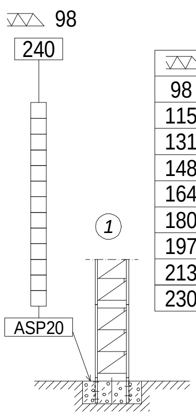
H = Máxima altura de torre sin arriostrar (ft).
Maximum tower height without fastening (ft).

Fecha / *Date:* **16/01/2023**

FEM 1001

TD

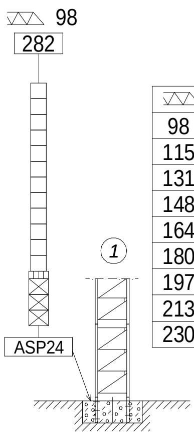
(H) ESTACIONARIA / *STATIONARY*



Jib	H(ft)	TSP20-5,6	TSP20
98	240	13	-
115	240	13	-
131	216	11	1
148	185	10	-
164	179	9	1
180	167	9	-
197	161	8	1
213	161	8	1
230	148	8	-

TSP20

TSP20-5,6



Jib	H(ft)	TSP24-5,6	TSP24/TSP20	TSP20-5,6	TSP20
98	282	3	1	12	-
115	264	3	1	11	-
131	264	3	1	11	-
148	246	4	1	9	-
164	240	5	1	7	1
180	227	5	1	7	-
197	227	5	1	7	-
213	227	5	1	7	-
230	209	5	1	6	-

TSP20

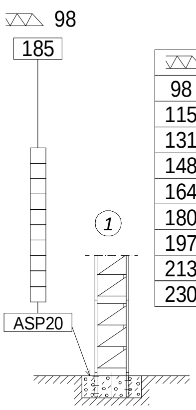
TSP20-5,6

TSP24/TSP20

TSP24-5,6

2R

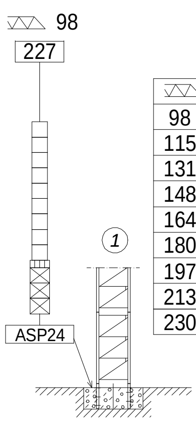
(H) ESTACIONARIA / *STATIONARY*



Jib	H(ft)	TSP20-5,6	TSP20
98	185	10	-
115	179	9	1
131	167	9	-
148	167	9	-
164	167	9	-
180	167	9	-
197	161	8	1
213	148	8	-
230	148	8	-

TSP20

TSP20-5,6



Jib	H(ft)	TSP24-5,6	TSP24/TSP20	TSP20-5,6	TSP20
98	227	3	1	9	-
115	221	3	1	8	1
131	209	3	1	8	-
148	209	3	1	8	-
164	209	3	1	8	-
180	209	3	1	8	-
197	203	3	1	7	1
213	191	3	1	7	-
230	191	3	1	7	-

TSP20

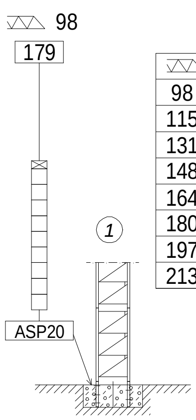
TSP20-5,6

TSP24/TSP20

TSP24-5,6

3R

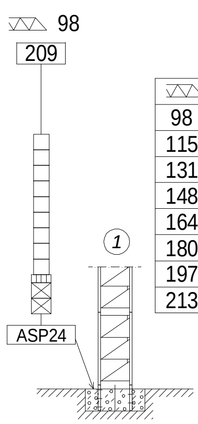
(H) ESTACIONARIA / *STATIONARY*



Jib	H(ft)	TSP20-5,6	TSP20
98	179	9	1
115	167	9	-
131	167	9	-
148	161	8	1
164	161	8	1
180	148	8	-
197	148	8	-
213	148	8	-

TSP20

TSP20-5,6



Jib	H(ft)	TSP24-5,6	TSP24/TSP20	TSP20-5,6	TSP20
98	209	2	1	9	-
115	209	3	1	8	-
131	209	3	1	8	-
148	203	3	1	7	1
164	203	3	1	7	1
180	191	3	1	7	-
197	191	3	1	7	-
213	191	3	1	7	-

TSP20

TSP20-5,6

TSP24/TSP20

TSP24-5,6

Fecha / *Date:* **16/01/2023**

FEM 1001

CARGAS / *LOADS* J780PA.60

TD (lb)		Cargas máximas / *Maximum loads* TD - 44100 lb									
[ft]	TD 44100 lb @ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*									
		82	98	115	131	148	164	180	197	213	230
230	149	44100	44100	44100	44100	44100	35900	28700	22700	17600	13200
213	149	44100	44100	44100	44100	44100	35900	28900	23150	18100	-
197	149	44100	44100	44100	44100	44100	36150	29100	23400	-	-
180	149	44100	44100	44100	44100	44100	36150	29300	-	-	-
164	150	44100	44100	44100	44100	44100	36800	-	-	-	-
148	148	44100	44100	44100	44100	44100	-	-	-	-	-
131	131	44100	44100	44100	44100	-	-	-	-	-	-
115	115	44100	44100	44100	-	-	-	-	-	-	-
98	98	44100	44100	-	-	-	-	-	-	-	-

2R (lb)			Cargas máximas / *Maximum loads* 2R (lb)									
[ft]	2R max (lb)	@ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*									
			82	98	115	131	148	164	180	197	213	230
230	61700	119	61700	61700	61700	51600	41200	32850	25800	19800	15000	10800
213	88200	94	88200	82450	64800	51600	41200	32850	26000	20500	15650	-
197	88200	94	88200	82700	65000	51800	41400	33300	26450	20900	-	-
180	88200	94	88200	82700	65000	52000	41700	33500	26900	-	-	-
164	88200	94	88200	82700	65500	52500	42550	34400	-	-	-	-
148	88200	94	88200	83300	66400	53600	43650	-	-	-	-	-
131	88200	94	88200	83300	66800	54200	-	-	-	-	-	-
115	88200	94	88200	83300	67000	-	-	-	-	-	-	-
98	88200	95	88200	83550	-	-	-	-	-	-	-	-

3R (lb)			Cargas máximas / *Maximum loads* 3R (lb)									
[ft]	3R max (lb)	@ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*									
			66	82	98	115	131	148	164	180	197	213
213	92600	87	92600	92600	76900	60000	47400	37500	29500	23100	17900	13200
197	123500	71	123500	100500	77200	60400	47800	38100	30200	23800	18500	-
180	132300	67	132300	100750	77400	60800	48300	38600	30900	24500	-	-
164	132300	67	132300	101600	78500	61900	49400	39700	32000	-	-	-
148	132300	68	132300	102700	79600	63300	50900	41200	-	-	-	-
131	132300	68	132300	103600	80500	64200	51800	-	-	-	-	-
115	132300	68	132300	103800	80900	64600	-	-	-	-	-	-
98	132300	68	132300	103800	81100	-	-	-	-	-	-	-

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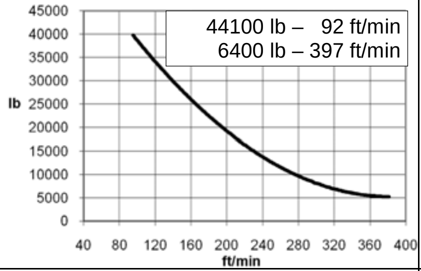
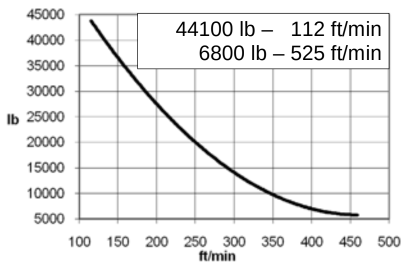
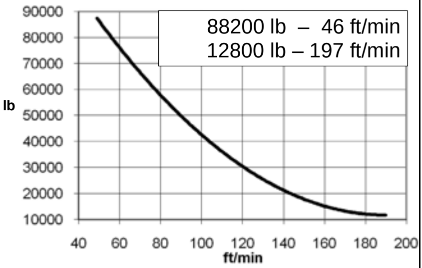
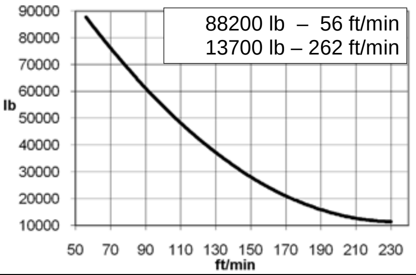
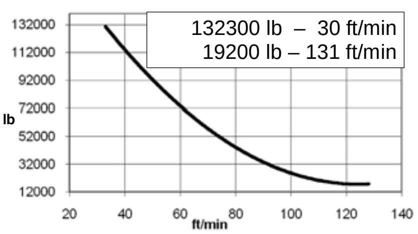
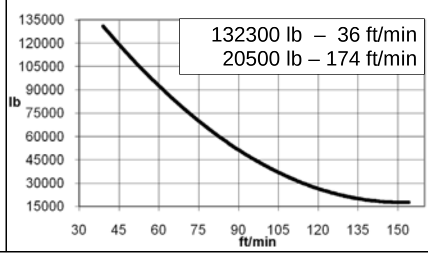
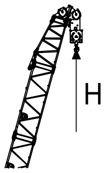
CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* J780PA.60

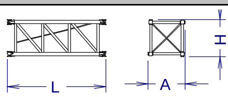
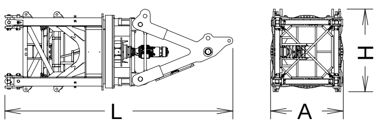
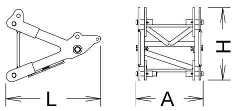
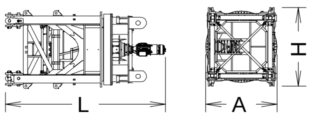
*opcional
*optional

EC150120VF 110 kW	* EC180160VF 132 kW	OG4007VF 2x15 kW	EP15020VF 110 kW
		0... 0,7 r/min sl/min	2 min

EC150120VF	* EC180160VF	
		480V 60Hz EC150120VF: AMPERAGE: 400 A EC180160VF: AMPERAGE: 435 A ecoMode

EC150120VF	* EC180160VF	
		 H H ≤ TD 2612 ft 2R 1306 ft 3R 869 ft 3300 ft

LISTA DE EMBARQUE / *PACKING LIST* J780PA.60

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre *Tower*	TSP20 TSP20-5,6		14.4 20.2	7.5 7.5	7.8 7.8	12380 16900
Torre asiento pista, torre superior y orientación *Slewing table, top tower and slewing mechanism*			23.8	7.6	8.6	56310
Punta de torre *Top tower*			10.5	7.5	8.0	13000
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			17.1	7.6	8.3	43310

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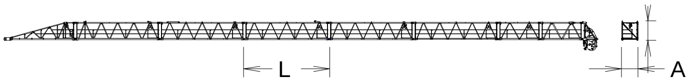
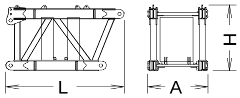
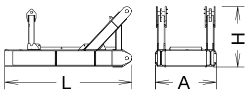
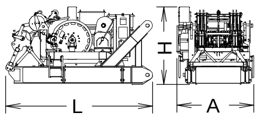
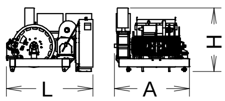
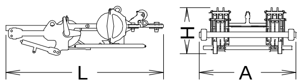
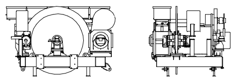
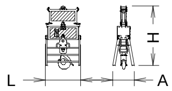
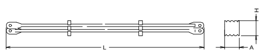
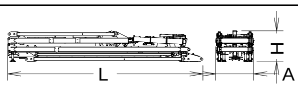
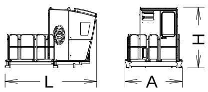
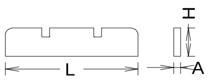
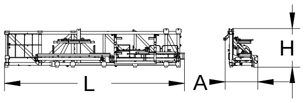
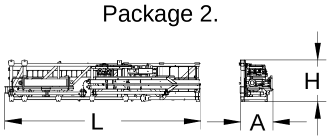
LISTA DE EMBARQUE / PACKING LIST — J780PA.60

DENOMINACIÓN / *DENOMINATION*		L [ft]	A [ft]	H [ft]	P / *W* [lb]
Tramo de pluma *Jib section* [1] [2] [3] [4] [5] [6] [7] [8] [9-3R]		29.1 34.7 34.7 34.7 34.7 34.7 17.7 17.7 6.6	7.5 7.1 6.5 6.5 6.5 6.5 6.5 6.5 6.7	7.4 7.8 7.5 7.9 7.5 7.4 7.4 7.5 11.8	8690 9510 8180 7320 7250 6350 4000 5080 6680
Contrapluma 1 *Counterjib 1*		14.7	7.5	8.3	21860
Contrapluma 2 *Counterjib 2*		15.7	7.5	7.4	17780
Contrapluma 2 + Elevación pluma + pasteca *Counterjib 2 + Luffing mech + Reeving block*		16.7	8.7	8.9	42440
Elevación pluma *Luffing mech*		9.4	8.1	6.8	16470
Pasteca *Reeving Block*		11.0	3.5	6.7	4130
Mecanismo elevacion carga sin cable *Hoisting mechanism without rope*		13.4	10.4	6.7	22330
Polipasto 2R/3R *Hook assembly* TD		5.0 1.0	3.1 1.1	8.3 5.5	3680 1080
Tirante sostén pluma *Jib support tie*		17.8 17.8	1.2 1.2	1.3 1.3	3060 3030
Parte superior + mecanismo auxiliar *Top part + auxiliary winch*		38.8	7.5	6.5	39240
Plataforma y cabina (2 x 1,5) *Platform and cabin*		12.0	7.5	8.1	2760
Contrapeso *Counterweight*		14.8 7.6	0.8 0.8	3.3 3.3	17640 8820
Transporte torre de montaje *Jacking cage transport*	**TM20PASP-5,6** Package 1. 	38.1	7.3	8.2	26300
	Package 2. 	38.3	6.6	8.2	31800

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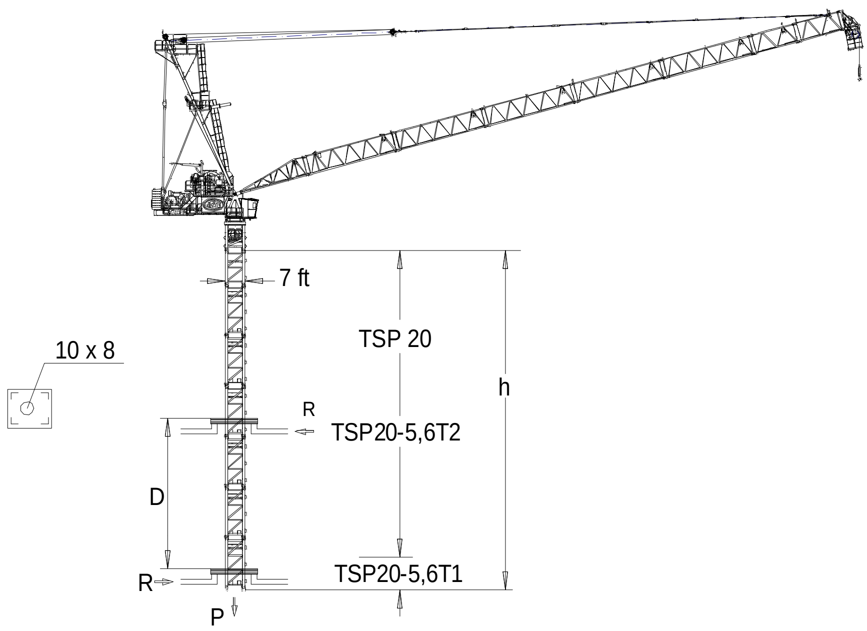
TREPADO / *CLIMBING* — J780PA.60



h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

230 ft — TD	▶	■
h (ft)	147	
D (ft)	51 – 69	
P (lbf)	689900	645000
Rmax (lbf)	181600	185000

h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

213 ft — 2R	▶	■
h (ft)	147	
D (ft)	50 – 69	
P (lbf)	722300	632400
Rmax (lbf)	187700	143400

h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

180 ft — 3R	▶	■
h (ft)	147	
D (ft)	47 – 69	
P (lbf)	752000	617100
Rmax (lbf)	196700	123600

TSP20-5,6T1: 214.31.000
TSP20-5,6T2: 214.31.500

ℹ	Trepado interno / *Internal climbing.*

Viento fuera de servicio / *Out of service wind*
ℹ Consultar / *Consult*
▶ En servicio / *In service*
■ Fuera de servicio / *Out of service*

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www.jaso.com

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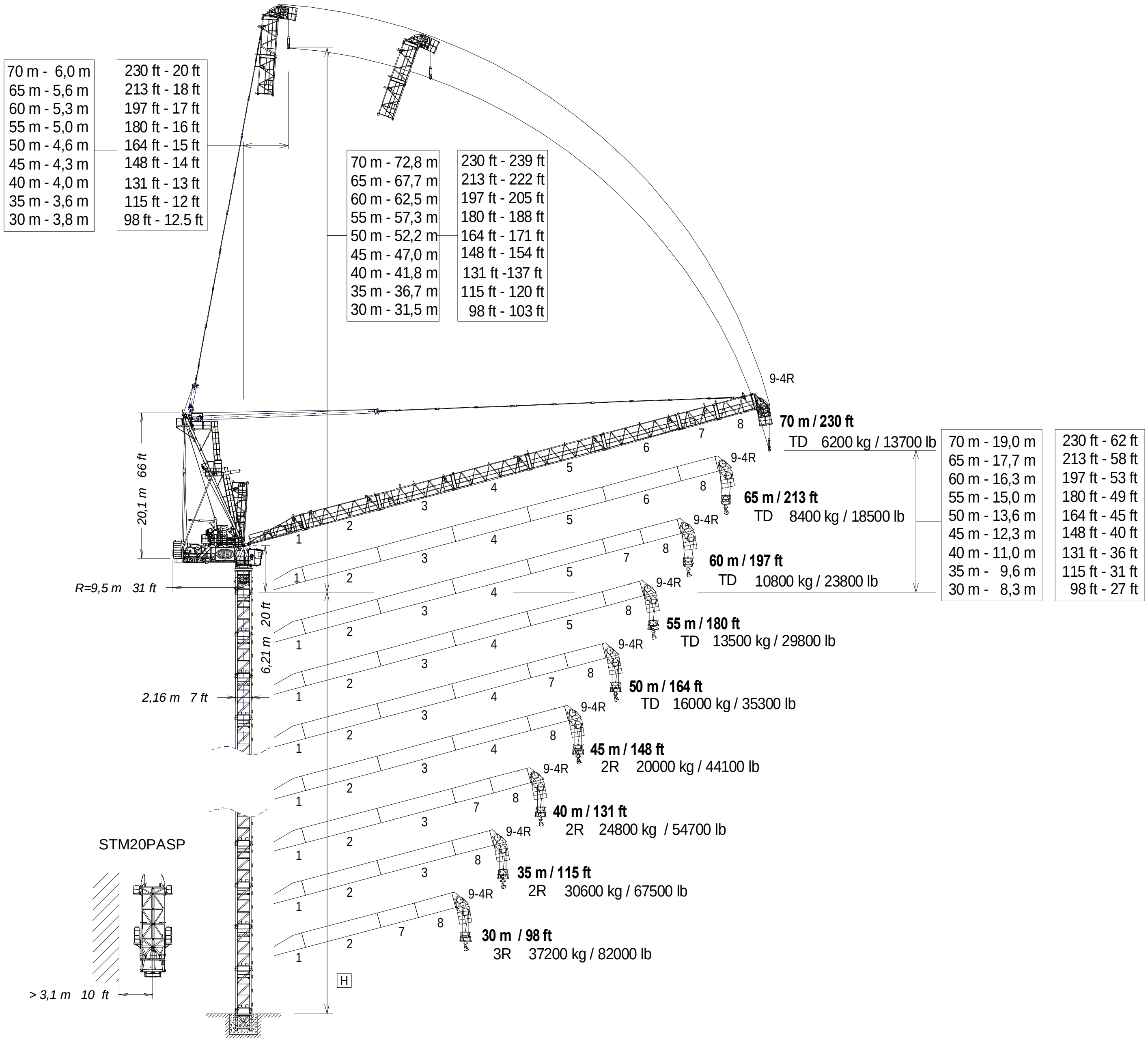
DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE

J780PA.64

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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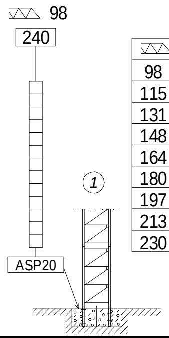
TD

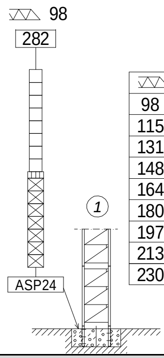
(H) ESTACIONARIA / *STATIONARY*



⊿	H(ft)	□	✉
98	240	13	-
115	240	13	-
131	234	12	1
148	216	11	1
164	185	10	-
180	167	9	-
197	167	9	-
213	161	8	1
230	148	8	-

✉ TSP20

□ TSP20-5,6



⊿	H(ft)	⊠	▥	□	✉
98	282	7	1	8	-
115	282	9	1	6	-
131	264	6	1	8	-
148	264	7	1	7	-
164	264	8	1	6	-
180	258	8	1	5	1
197	246	7	1	6	-
213	240	8	1	4	1
230	227	9	1	3	-

✉ TSP20

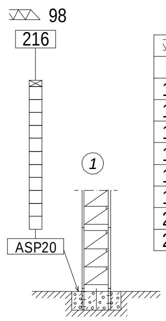
□ TSP20-5,6

▥ TSP24/TSP20

⊠ TSP24-5,6

2R

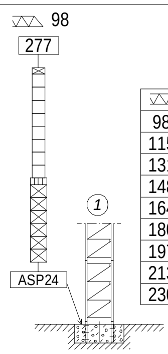
(H) ESTACIONARIA / STATIONARY



⊿	H(ft)	□	✉
98	216	11	1
115	185	10	-
131	179	9	1
148	167	9	-
164	167	9	-
180	167	9	-
197	161	8	1
213	148	8	-
230	148	8	-

✉ TSP20

□ TSP20-5,6



⊿	H(ft)	⊠	▥	□	✉
98	277	6	1	8	1
115	258	6	1	7	1
131	246	6	1	7	-
148	246	6	1	7	-
164	246	6	1	7	-
180	246	6	1	7	-
197	227	5	1	7	-
213	227	7	1	5	1
230	227	7	1	5	-

✉ TSP20

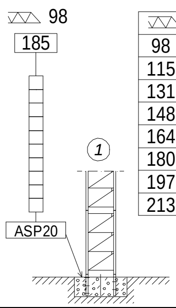
□ TSP20-5,6

▥ TSP24/TSP20

⊠ TSP24-5,6

3R

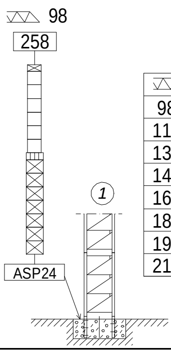
(H) ESTACIONARIA / STATIONARY



⊿	H(ft)	□	✉
98	185	10	-
115	179	9	1
131	167	9	-
148	167	9	-
164	167	9	-
180	161	8	1
197	148	8	-
213	148	8	-

✉ TSP20

□ TSP20-5,6



⊿	H(ft)	⊠	▥	□	✉
98	258	6	1	7	1
115	246	6	1	7	-
131	246	6	1	7	-
148	246	8	1	5	-
164	246	8	1	5	-
180	240	8	1	4	1
197	227	6	1	6	-
213	227	6	1	6	-

✉ TSP20

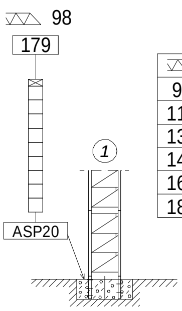
□ TSP20-5,6

▥ TSP24/TSP20

⊠ TSP24-5,6

4R

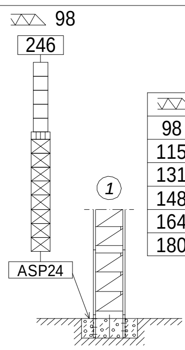
(H) ESTACIONARIA / STATIONARY



⊿	H(ft)	□	✉
98	179	9	1
115	167	9	-
131	167	9	-
148	161	8	1
164	148	8	-
180	148	8	-

✉ TSP20

□ TSP20-5,6



⊿	H(ft)	⊠	▥	□	✉
98	246	7	1	6	-
115	246	8	1	5	-
131	240	8	1	4	1
148	240	9	1	3	1
164	227	6	1	6	-
180	227	6	1	6	-

✉ TSP20

□ TSP20-5,6

▥ TSP24/TSP20

⊠ TSP24-5,6

CARGAS / *LOADS* J780PA.64

TD (lb)		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**	**230**
230	167	35300	35300	35300	35300	35300	35300	29500	23400	18100	13700
213	167	35300	35300	35300	35300	35300	35300	29500	23600	18500	-
197	168	35300	35300	35300	35300	35300	35300	29800	23800	-	-
180	168	35300	35300	35300	35300	35300	35300	29800	-	-	-
164	164	35300	35300	35300	35300	35300	35300	-	-	-	-
148	148	35300	35300	35300	35300	35300	-	-	-	-	-
131	131	35300	35300	35300	35300	-	-	-	-	-	-
115	115	35300	35300	35300	-	-	-	-	-	-	-
98	98	35300	35300	-	-	-	-	-	-	-	-

2R (lb)			Cargas máximas / *Maximum loads* 2R (lb)									
[ft]	2R max (lb)	@ (ft)	*Alcance del gancho [ft] / Hook reach [ft]*									
			82	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**	**230**
230	61700	119	61700	61700	61700	52000	41400	33100	26000	20300	15400	11200
213	70500	110	70500	70500	65500	52000	41700	33300	26500	20900	16100	-
197	70500	110	70500	70500	65500	52200	41900	33700	26900	21400	-	-
180	70500	110	70500	70500	65500	52500	42100	34000	27300	-	-	-
164	70500	110	70500	70500	66100	53100	43000	34800	-	-	-	-
148	70500	111	70500	70500	67200	54200	44100	-	-	-	-	-
131	70500	112	70500	70500	67500	54700	-	-	-	-	-	-
115	70500	112	70500	70500	67500	-	-	-	-	-	-	-
98	70500	98	70500	70500	-	-	-	-	-	-	-	-

3R (lb)			Cargas máximas / *Maximum loads* 3R (lb)									
[ft]	3R max (lb)	@ (ft)	*Alcance del gancho [ft] / Hook reach [ft]*									
			66	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**
230	92600	89	92600	92600	79400	62200	49200	39000	30900	24300	18700	14100
213	105800	81	105800	103400	79400	62400	49400	39500	31300	24900	19400	
197	105800	81	105800	103400	79600	62600	49800	39900	32000	25400	-	
180	105800	81	105800	104100	80200	63300	50700	40800	32800	-	-	
164	105800	81	105800	104700	81100	64400	51800	42100	-	-	-	
148	105800	81	105800	104700	81600	65000	52700	-	-	-	-	
131	105800	81	105800	104700	81800	65500	-	-	-	-	-	
115	105800	81	105800	104700	82000	-	-	-	-	-	-	

4R (lb)		Cargas máximas / *Maximum loads* 4R – 141100 lb								
[ft]	4R 141100 lb @ (ft)	*Alcance del gancho [ft] / Hook reach [ft]*								
		49	**66**	**82**	**98**	**115**	**131**	**148**	**164**	**180**
180	64	141100	136700	101400	78000	61300	48700	38800	31100	24700
164	64	141100	136700	101900	78700	61900	49600	39900	32200	-
148	64	141100	137600	103000	79800	63500	51100	41400	-	-
131	64	141100	137600	103400	80500	64200	52000	-	-	-
115	64	141100	137600	103600	80900	64800	-	-	-	-
180	64	141100	137600	103800	81400	-	-	-	-	-

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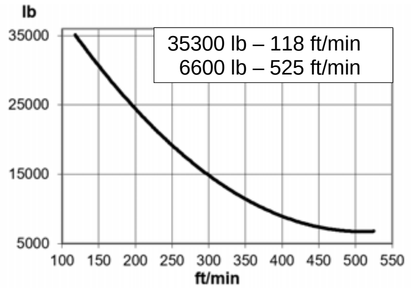
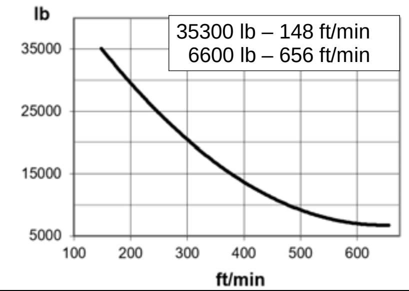
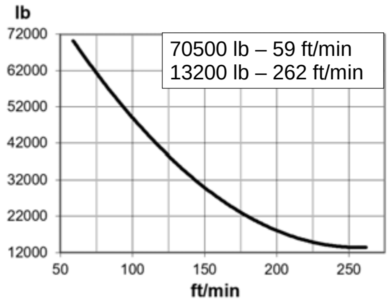
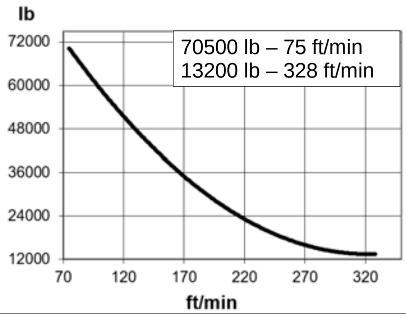
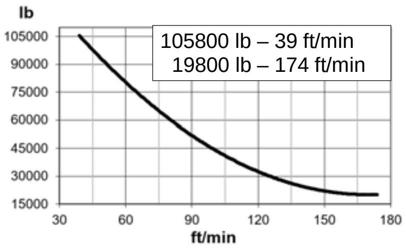
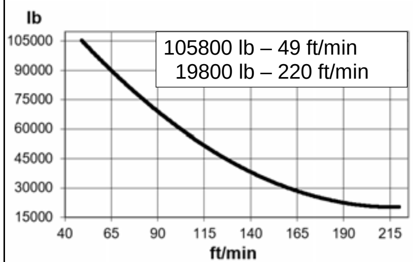
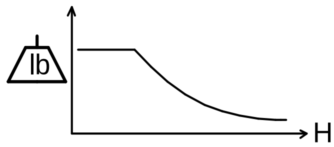
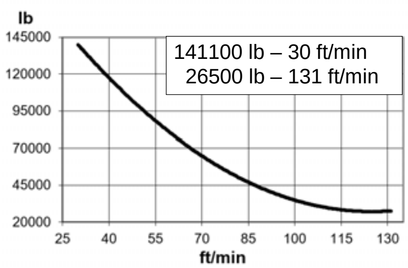
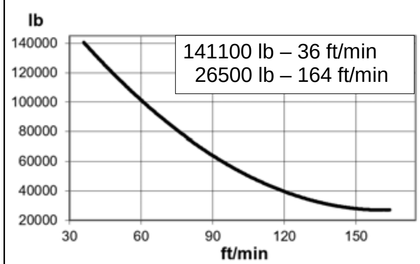
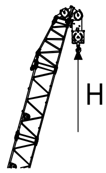
CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* J780PA.64

*opcional *optional	EC150160VF 110 kW	* EC180200VF 132 kW	OG4007VF 2x15 kW	EP15020VF 110 kW
			0... 0,7 r/min sl/min	2 min
			*480V* 60Hz **EC150160VF: AMPERAGE = 400 A** **EC180200VF: AMPERAGE = 435 A**	
			 **ecoMode**	
			 H ≤ TD 2992 ft 2R 1496 ft 3R 997 ft 4R 748 ft 3809 ft	

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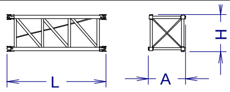
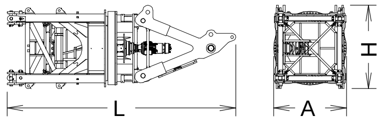
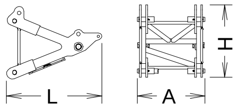
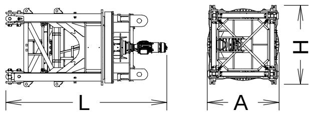
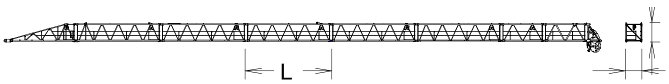
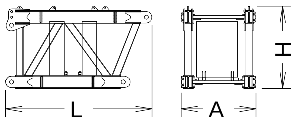
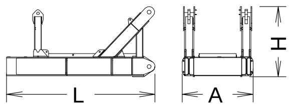
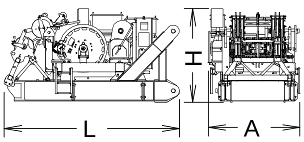
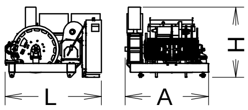
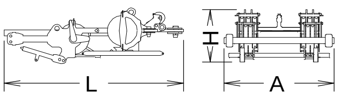
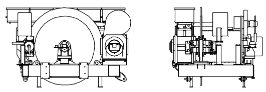
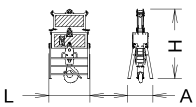
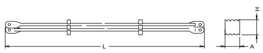
LISTA DE EMBARQUE / *PACKING LIST* — J780PA.64

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre *Tower*	TSP20 TSP20-5,6		14.4 20.2	7.5 7.5	7.8 7.8	12380 16900
Torre asiento pista, torre superior y orientación *Slewing table, top tower and slewing mechanism*			23.8	7.6	8.6	56310
Punta de torre *Top tower*			10.5	7.5	8.0	13000
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			17.1	7.6	8.3	43310
Tramo de pluma *Jib section*	[1] [2] [3] [4] [5] [6] [7] [8] [9-4R]		29.1 34.7 34.7 34.7 34.7 34.7 17.7 17.7 6.6	7.5 7.1 6.5 6.5 6.5 6.5 6.5 6.5 6.7	7.4 7.8 7.5 7.9 7.5 7.4 7.4 7.5 11.8	8690 9510 8180 7320 7255 6350 4000 5080 6680
Contrapluma 1 *Counterjib 1*			14.7	7.5	8.3	21860
Contrapluma 2 *Counterjib 2*			15.7	7.5	7.4	17780
Contrapluma 2 + Elevación pluma + pasteca *Counterjib 2 + Luffing mech + Reeving block*			16.7	8.7	8.9	42440
Elevación pluma *Luffing mech*			9.4	8.1	6.8	16470
Pasteca *Reeving Block*			11.0	3.5	6.7	4135
Mecanismo elevacion carga sin cable *Hoisting mechanism without rope*			10.5	7.7	6.5	16535
Polipasto *Hook assembly*	4R 2R/3R TD		4.5 5.0 0.6	1.7 3.1 1.1	8.5 8.3 6.9	3730 3685 840
Tirante sostén pluma *Jib support tie*			17.8 17.8	1.2 1.2	1.3 1.3	3060 3030

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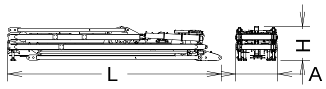
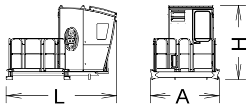
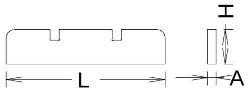
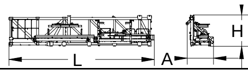
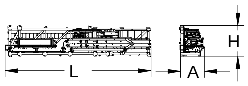
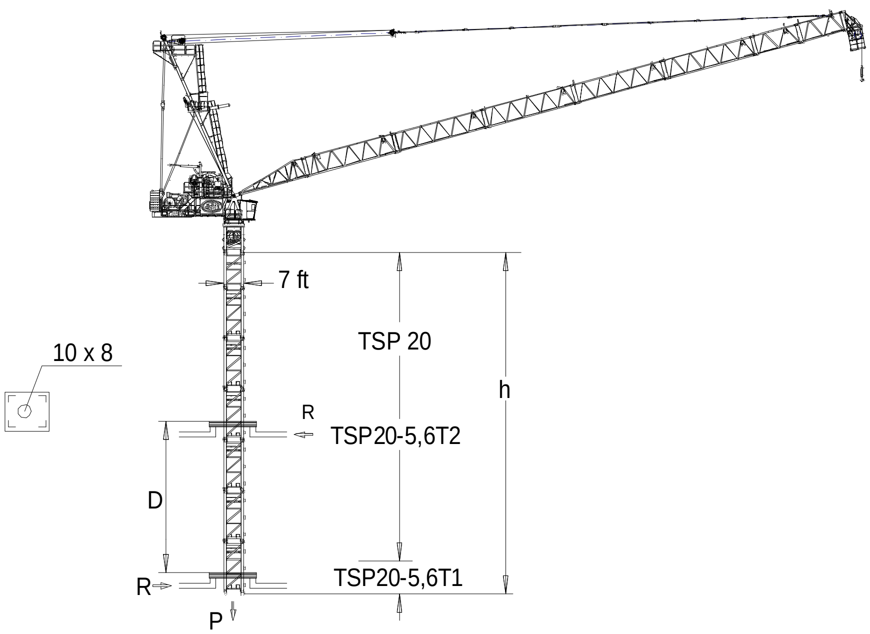
LISTA DE EMBARQUE / *PACKING LIST* — J780PA.64

DENOMINACIÓN / *DENOMINATION*		L [ft]	A [ft]	H [ft]	P / *W* [lb]
Parte superior + mecanismo auxiliar *Top part + auxiliary winch*		38.8	7.5	6.5	39240
Plataforma y cabina (2 x 1,5) *Platform and cabin*		12.0	7.5	8.1	2760
Contrapeso *Counterweight*		14.8 7.6	0.8 0.8	3.3 3.3	17640 8820
Transporte torre de montaje *Jacking cage transport*	**TM20PASP-5,6** Package 1. 	38.1	7.3	8.2	26270
	Package 2. 	38.3	6.6	8.2	31815

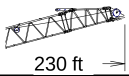
TREPADO / *CLIMBING* — J780PA.64



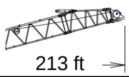
TSP20-5,6T1: 214.31.000
TSR20-5,6T2: 214.31.500

Trepado interno / *Internal climbing*

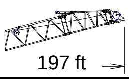
h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

 230 ft TD	▶	■
h (ft)	147	
D (ft)	43 – 69	
P (lbf)	674400	611500
Rmax (lbf)	204600	296700

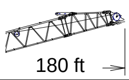
h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

 213 ft 2R	▶	■
h (ft)	147	
D (ft)	43 – 69	
P (lbf)	698000	626100
Rmax (lbf)	203500	300100

h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

 197 ft 3R	▶	■
h (ft)	147	
D (ft)	44 – 69	
P (lbf)	731800	623800
Rmax (lbf)	201200	291100

h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

 180 ft 4R	▶	■
h (m)	147	
D (m)	46 – 69	
P (KN)	754200	610400
Rmax (KN)	196700	275400

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www.jaso.com

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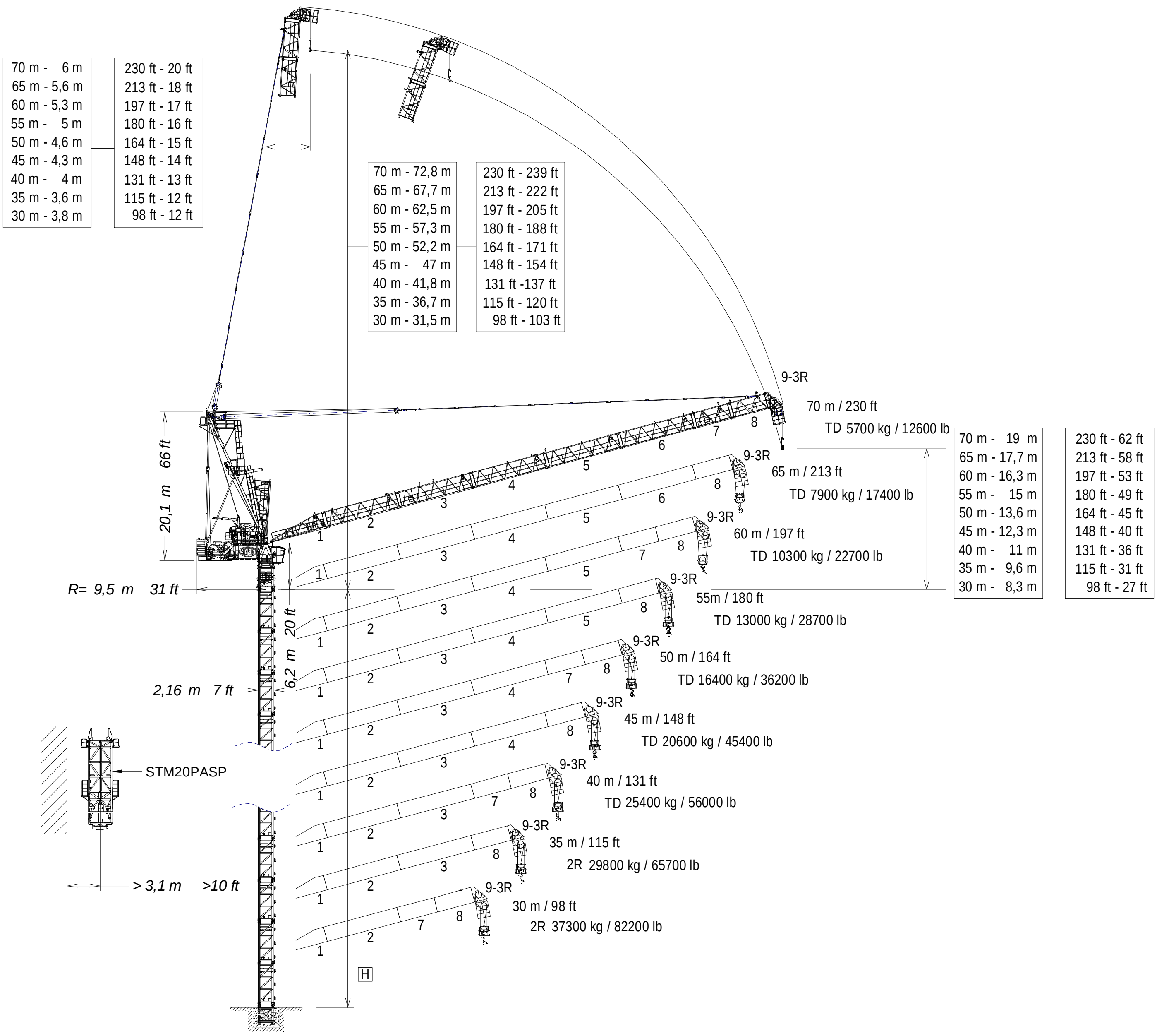
DELEGACION / *DEALER*

GRUA TORRE
TOWER CRANE
J780PA

CE 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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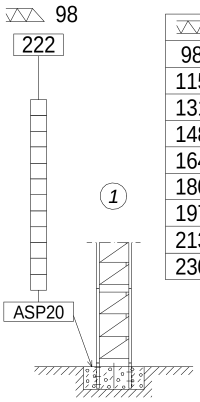
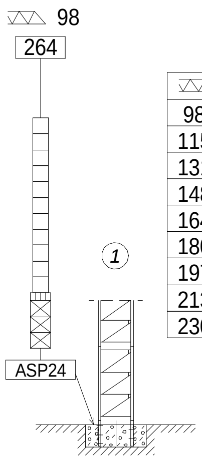
TD

(H) ESTACIONARIA / *STATIONARY*



	H(ft)	TSP20-5,6	TSP20
98	222	12	-
115	198	10	1
131	167	9	-
148	167	9	-
164	161	8	1
180	148	8	-
197	148	8	-
213	130	7	-
230	124	6	1

TSP20
TSP20-5,6

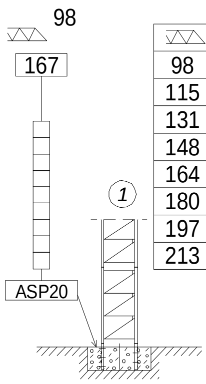


	H(ft)	TSP24-5,6	TSP24/TSP20	TSP20-5,6	TSP20
98	264	3	1	11	-
115	264	6	1	8	-
131	227	4	1	8	-
148	227	5	1	7	-
164	227	6	1	6	-
180	227	6	1	6	-
197	209	6	1	5	-
213	209	6	1	5	-
230	209	7	1	4	-

TSP20
TSP20-5,6
TSP24/TSP20
TSP24-5,6

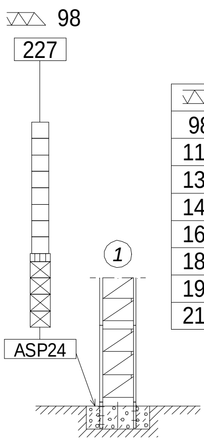
2R

(H) ESTACIONARIA / *STATIONARY*



	H(ft)	TSP20-5,6	TSP20
98	167	9	-
115	167	9	-
131	161	8	1
148	148	8	-
164	148	8	-
180	142	7	1
197	130	7	-
213	130	7	-

TSP20
TSP20-5,6

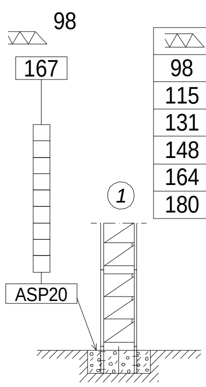


	H(ft)	TSP24-5,6	TSP24/TSP20	TSP20-5,6	TSP20
98	227	4	1	8	-
115	227	4	1	8	-
131	227	5	1	7	-
148	227	6	1	6	-
164	209	5	1	6	-
180	209	5	1	6	-
197	191	4	1	6	-
213	191	4	1	6	-

TSP20
TSP20-5,6
TSP24/TSP20
TSP24-5,6

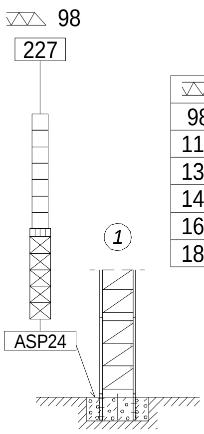
3R

(H) ESTACIONARIA / *STATIONARY*



	H(ft)	TSP20-5,6	TSP20
98	167	9	-
115	161	8	1
131	148	8	-
148	148	8	-
164	142	7	1
180	142	7	1

TSP20
TSP20-5,6



	H(ft)	TSP24-5,6	TSP24/TSP20	TSP20-5,6	TSP20
98	227	5	1	7	-
115	209	4	1	7	-
131	209	4	1	7	-
148	209	4	1	7	-
164	209	5	1	6	-
180	209	5	1	6	-

TSP20
TSP20-5,6
TSP24/TSP20
TSP24-5,6

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CARGAS / *LOADS* J780PA

TD (lb)		Cargas máximas / *Maximum loads* TD-61700 lb									
[ft]	TD 61700 lb @ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*									
		82	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**	**230**
230	121	61700	61700	61700	54000	43200	34600	27600	21800	16800	12600
213	121	61700	61700	61700	54000	43400	35100	28000	22300	17400	-
197	121	61700	61700	61700	54000	43700	35300	28400	22700	-	-
180	121	61700	61700	61700	54200	43900	35500	28700	-	-	-
164	122	61700	61700	61700	54700	44300	36200	-	-	-	-
148	123	61700	61700	61700	55800	45400	-	-	-	-	-
131	124	61700	61700	61700	56000	-	-	-	-	-	-
115	115	61700	61700	61700	-	-	-	-	-	-	-
98	98	61700	61700	-	-	-	-	-	-	-	-

2R (lb)			Cargas máximas / *Maximum loads* 2R (lb)									
[ft]	2R max (lb)	@ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*									
			66	**82**	**98**	**115**	**131**	**148**	**164**	**180**	**197**	**213**
213	92600	89	92600	92600	79100	62000	49200	39000	31100	24500	19000	14300
197	123500	72	123500	103200	79400	62200	49400	39500	31500	25100	19600	-
180	123500	72	123500	103400	79600	62600	49800	39900	32000	25600	-	-
164	123500	72	123500	103600	80000	63300	50700	41000	33100	-	-	-
148	123500	72	123500	104500	81100	64600	52000	42300	-	-	-	-
131	123500	72	123500	104700	81600	65300	52900	-	-	-	-	-
115	123500	72	123500	104700	82000	65700	-	-	-	-	-	-
98	123500	72	123500	104900	82200	-	-	-	-	-	-	-

3R (lb)			Cargas máximas / *Maximum loads* 3R (lb)								
[ft]	3R max (lb)	@ (ft)	Alcance del gancho [ft] / *Hook reach [ft]*								
			49	**66**	**82**	**98**	**115**	**131**	**148**	**164**	**180**
180	143300	62	143300	133200	98500	75400	58900	46300	36800	29100	22700
164	154300	58	154300	133200	98800	75800	59500	47400	37900	30200	-
148	165300	55	165300	133200	99400	76900	60800	48900	39500	-	-
131	165300	55	165300	133600	100100	77800	61950	50000	-	-	-
115	165300	55	165300	133800	100800	78700	62800	-	-	-	-
98	165300	55	165300	134000	101200	79400	-	-	-	-	-

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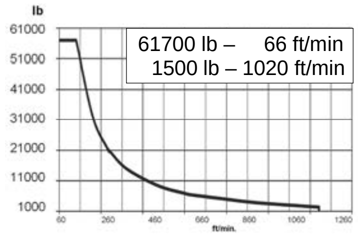
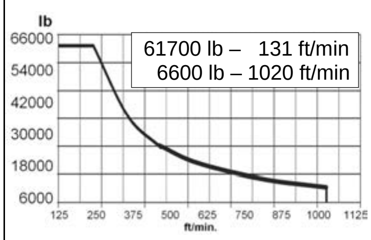
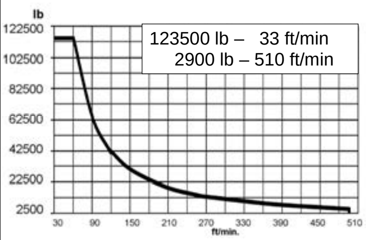
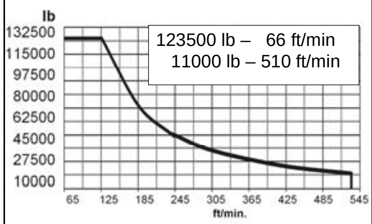
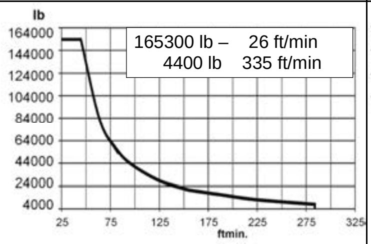
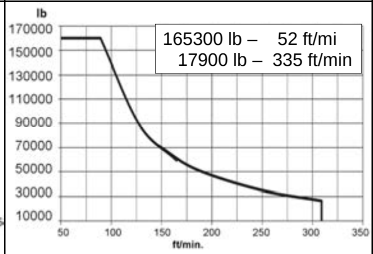
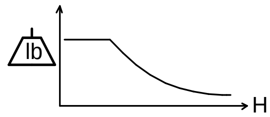
FEM 1001

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J780PA

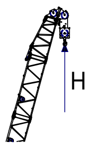
	EC300310VF 110 kW	EC300310VF 220 kW	OG4007VF 2x15 kW	EP15020VF 110 kW	TH6006 45 kW
Single fall			0... 0.7 r/min sl/min	1.6… 2.4 min / 1.8… 2.8 min	2 ft/min
Double fall					
Triple fall					

480V 60Hz

EC300310VF(110): AMPERAGE = 400 A
EC300310VF(220): AMPERAGE = 560 A



ecoMode



H ≤		
	TD	3303 ft
	2R	1654 ft
	3R	1102 ft

4380 ft

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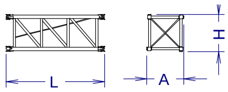
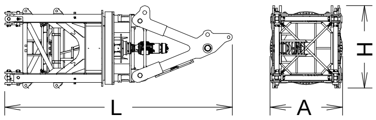
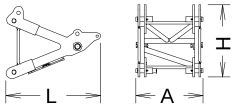
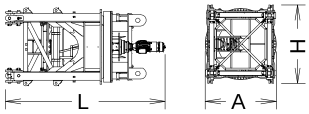
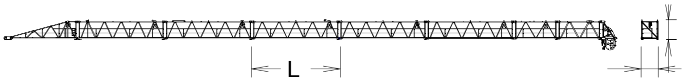
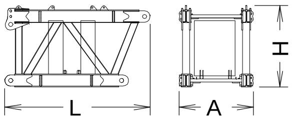
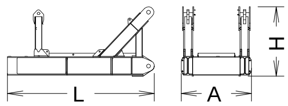
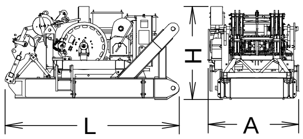
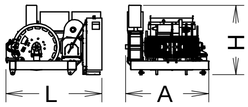
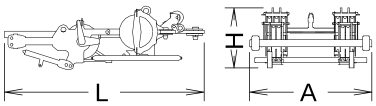
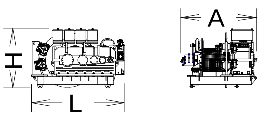
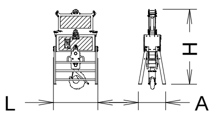
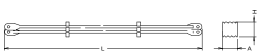
FEM 1001

LISTA DE EMBARQUE / *PACKING LIST* — J780PA

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre /*Tower*	TSP20 TSP20-5,6 TSP24-5,6		14.4 20.2 20.2	7.5 7.5 9.0	7.8 7.8 9.4	12380 16900 18290
Torre asiento pista. torre superior y orientación *Slewing table. top tower and slewing mechanism*			23.8	7.6	8.6	56310
Punta de torre / *Top Tower*			10.5	7.5	8.0	13000
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			17.1	7.6	8.3	43310
Tramo de pluma *Jib section*	[1] [2] [3] [4] [5] [6] [7] [8] [9-3R]		29.1 34.7 34.7 34.7 34.7 34.7 17.7 17.7 6.6	7.5 7.1 6.5 6.5 6.5 6.5 6.5 6.5 6.7	7.4 7.8 7.5 7.9 7.5 7.4 7.4 7.5 11.8	8690 9510 8180 7100 7250 6350 4000 5080 6680
Contrapluma 1 *Counterjib 1*			14.7	7.5	8.3	21860
Contrapluma 2 *Counterjib 2*			15.7	7.5	7.4	17780
Contrapluma 2 + Elevación pluma + pasteca *Counterjib 2 + Luffing mech + Reeving block*			16.7	8.7	8.9	42440
Elevación pluma / *Luffing mech*			9.4	8.1	6.8	18760
Pasteca / *Reeving Block*			11.0	3.5	6.7	4130
Mecanismo elevacion carga sin cable *Hoisting mechanism without rope*			12.5	10.2	8.3	44770
Polipasto / *Hook assembly*	TD/2R/3R TD		5.0 1.9	3.1 1.3	8.3 5.7	4480 1490
Tirante sostén pluma / *Jib support tie*			17.8 17.8	1.2 1.2	1.3 1.3	3060 3030

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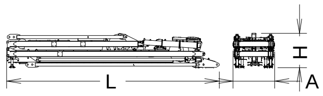
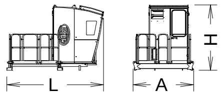
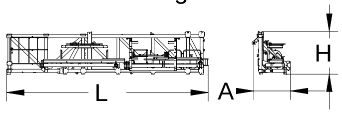
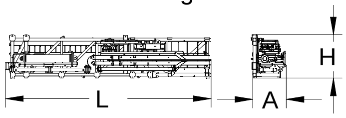
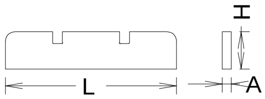
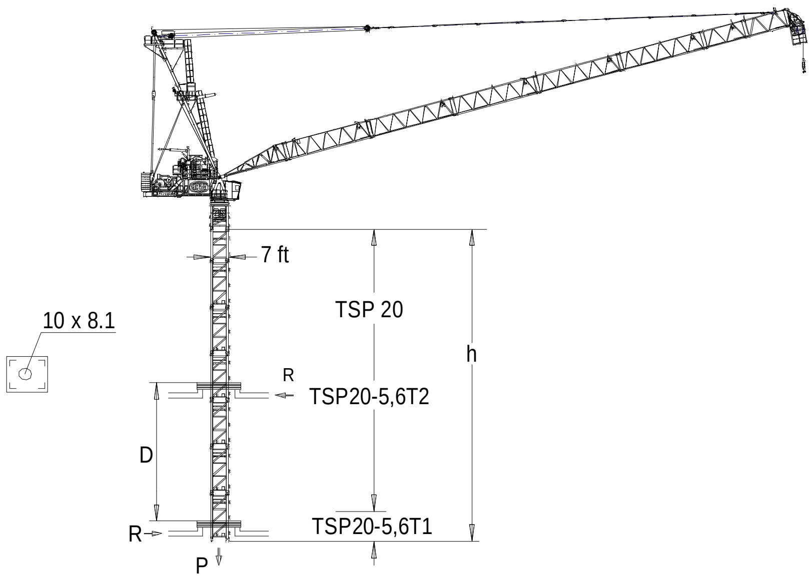
LISTA DE EMBARQUE / *PACKING LIST* — J780PA

DENOMINACIÓN / *DENOMINATION*		L [ft]	A [ft]	H [ft]	P / *W* [lb]
Parte superior + mecanismo auxiliar *Top part + auxiliary winch*		38.8	7.5	6.5	39240
Plataforma y cabina (2 x 1.5) Platform and cabin		12.0	7.5	8.1	2760
Transporte torre de montaje *Jacking cage transport*	**TM20PASP-5,6** Package 1. 	38.1	7.2	8.2	26270
	Package 2 	38.3	6.6	8.2	31810
Contrapeso / *Counterweight*		14.8	0.8	3.3	17640

TREPADO / *CLIMBING* — J780PA



TSP20-5,6T1: 214.31.000
TSP20-5,6T2: 214.31.500

Trepado interno / *Internal climbing*

h_{max}: TSP20-5,6T1 + 4xTSP20-5,6 + TSP20-5,6T2 +TSP20

230 ft TD	▶	■
h (ft)	123	
D (ft)	44 – 56	
P (lbf)	695800	632800
Rmax (lbf)	199000	255200

h_{max}: TSP20-5,6T1 + 5xTSP20-5,6 + TSP20-5,6T2

197 ft 2R	▶	■
h (ft)	129	
D (ft)	44 – 59	
P (lbf)	748600	621600
Rmax (lbf)	201200	266400

h_{max}: TSP20-5,6T1 + 6xTSP20-5,6 + TSP20-5,6T2

148 ft 3R	▶	■
h (ft)	147	
D (ft)	41 – 69	
P (lbf)	786800	618200
Rmax (lbf)	211300	292300

Viento fuera de servicio / *Out of service wind*
Consultar / *Consult*
▶ En servicio / *In service*
■ Fuera de servicio / *Out of service*

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www.jaso.com

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FEM 1001

DELEGACION / *DEALER*

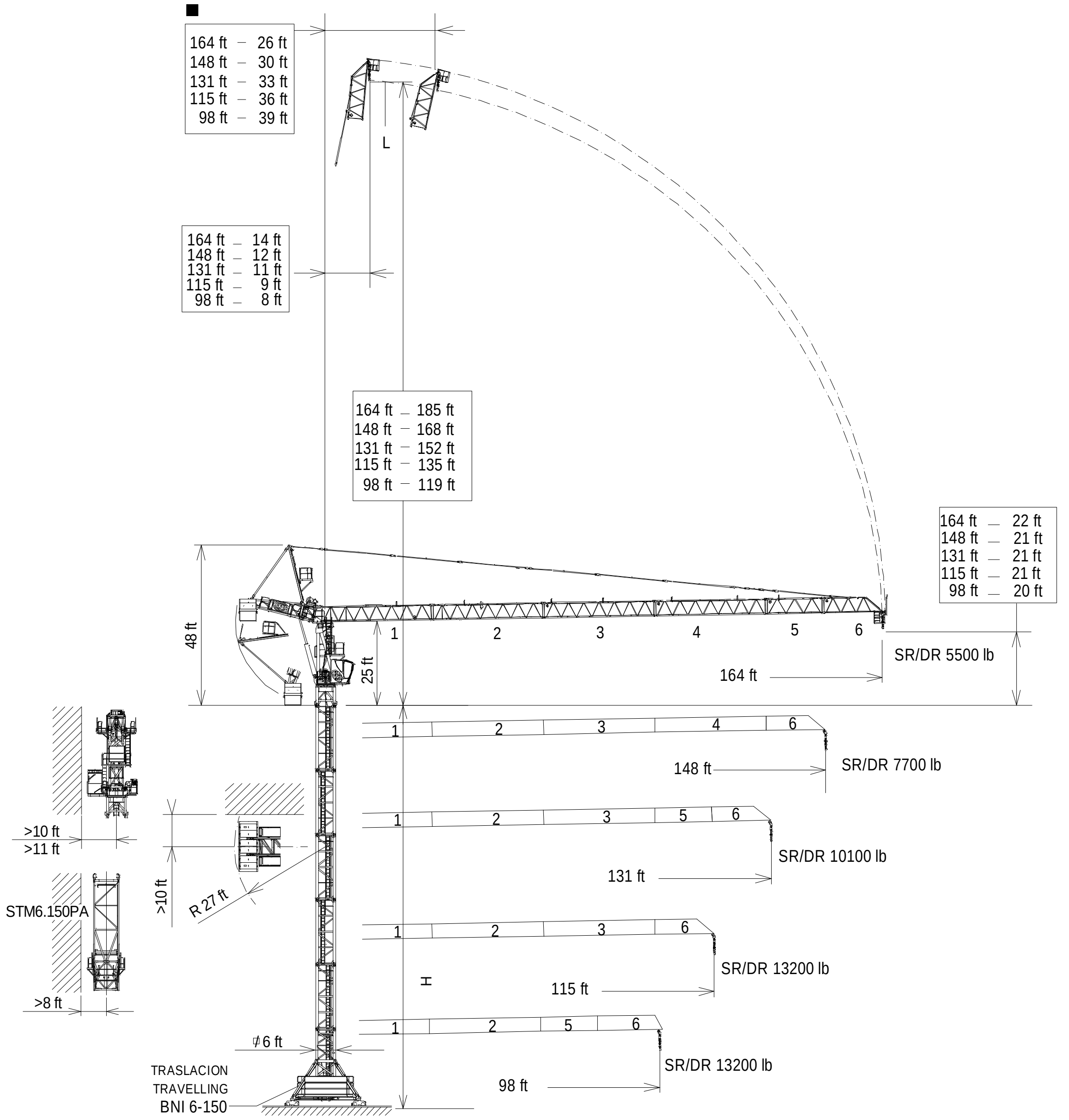

HPA
JASO
TOWER CRANES


JASO
DURKAN

GRUA TORRE
TOWER CRANE
J168HPA

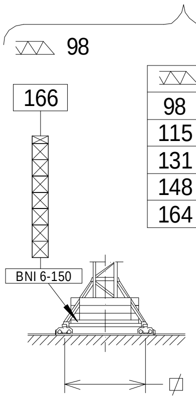
CE UNE 58-101 FEM 1001

UNE-EN-ISO 9001



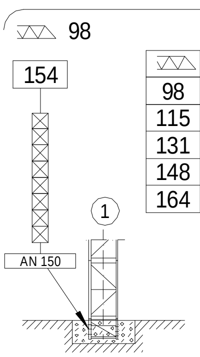
H = Máxima altura de torre sin arriostrar (ft).
Maximum tower height without fastening (ft).

(H) TRASLACIÓN / *TRAVELLING*

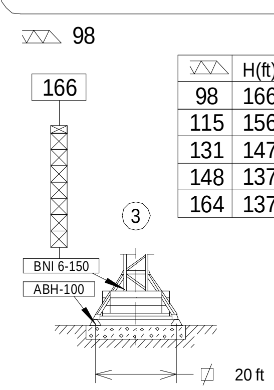


	H(ft)		
98	166	7	1
115	157	7	-
131	147	6	1
148	138	6	-
164	138	6	-

(H) ESTACIONARIA / *STATIONARY*



	H(ft)		
98	154	8	-
115	144	7	1
131	135	7	-
148	125	6	1
164	125	6	1



	H(ft)		
98	166	7	1
115	156	7	-
131	147	6	1
148	137	6	-
164	137	6	-

T3-150

T6-150
TD6-150

T12-150

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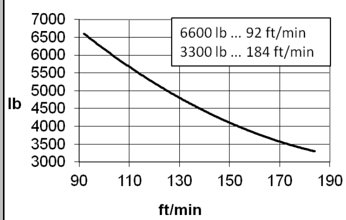
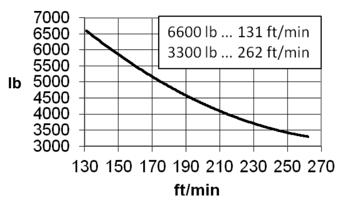
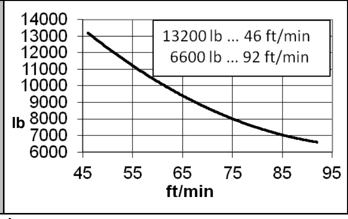
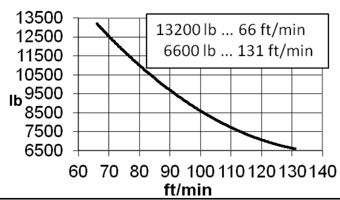
FEM 1001

CARGAS / *LOADS* — J168HPA

SR/DR (lb)		Cargas máximas / *Maximum loads* **SR/DR - 6600/13200 lb**					
[ft]	6600/13200 lb @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*					
		82	**98**	**115**	**131**	**148**	**164**
164	156/94	6600/13200	6600/12500	6600/10400	6600/8700	6600/7300	5500
148	148/103	6600/13200	6600/13200	6600/11700	6600/9900	6600/7700	——
131	131/112	6600/13200	6600/13200	6600/12800	6600/10100	——	——
115	115	6600/13200	6600/13200	6600/13200	——	——	——
98	98	6600/13200	6600/13200	——	——	——	——

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J168HPA

*opcional
optional

	EC2556VF 18,4 kW	***EC3380VF 24,2 kW**	**OG1108VF 2 x 4 kW**	**EPH2020VF 15 kW**	**TG2020VF 2x7,3 kW**	**TH1506 11 kW**
SR			0...66 ft/min	0... 0,8 r/min sl/min	66 ft/min	2 ft/min
DR						

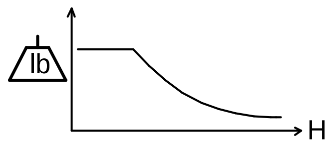
480V 60Hz

EC2556VF: AMPERAGE = 73 A
EC3380VF: AMPERAGE = 84 A

H

H ≤ SR 1483 ft
DR 741 ft

3875 ft



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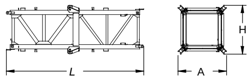
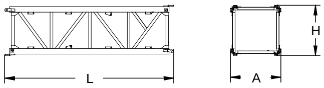
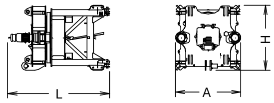
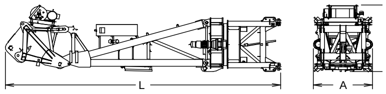
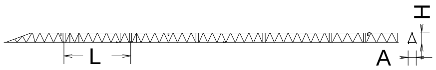
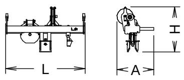
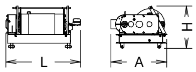
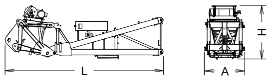
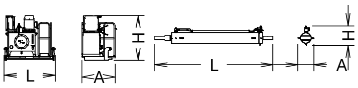
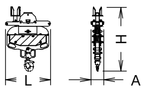
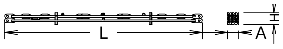
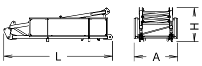
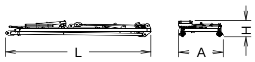
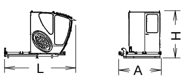
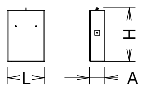
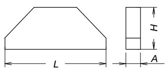
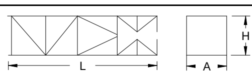
FEM 1001

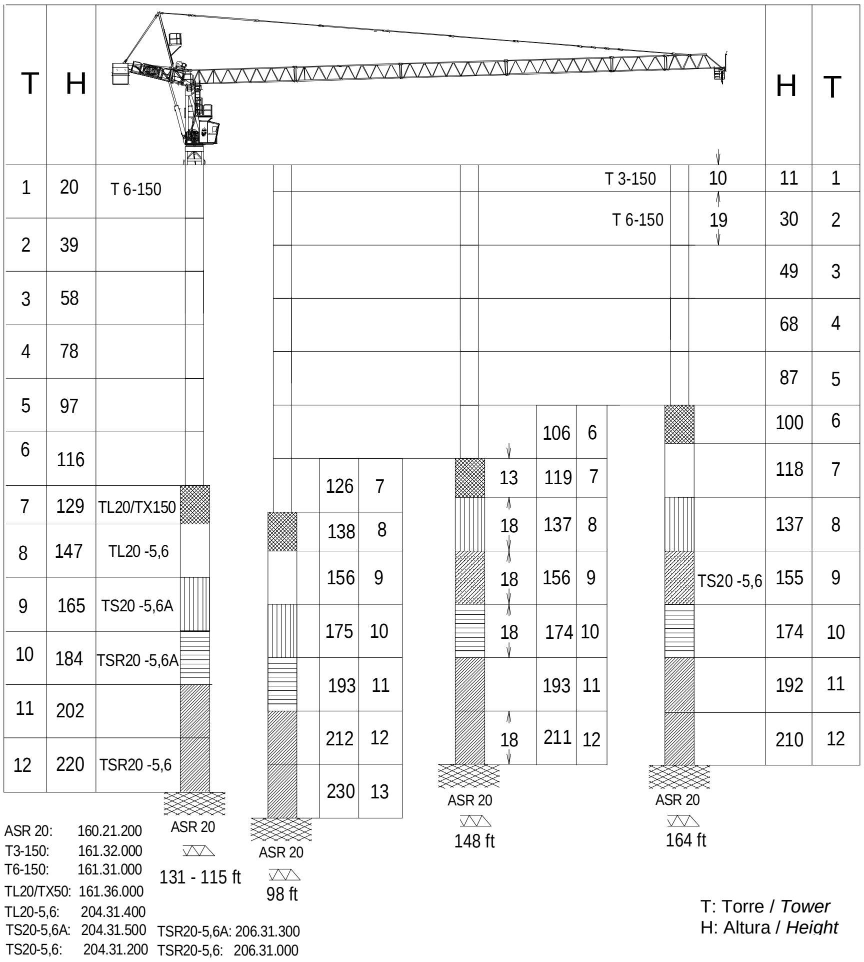
LISTA DE EMBARQUE / *PACKING LIST* — J168HPA

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P/*W* [lb]
Torre inferior *Lower Tower*	TI-6-150		20.3	7.2	7.2	7790
Torre *Tower*	T6-150 TD6-150 T3-150 T12-150		20.3 20.3 10.7 39.4	6.1 6.1 6.1 6.1	6.1 6.1 6.1 6.1	6085 6460 3420 11420
Torre asiento pista + base punta de torre + orientación *Slewing table + tower head base + slewing mechanism*			10.7	6.9	6.7	12130
Conjunto asiento pista, punta de torre, orientación y elevación *Slewing table assembly, tower head, slewing and hoisting mechanism*			31.9	6.9	8.2	26680
Tramo de pluma *Jib section*	[1] [2] [3] [4] [5] [6]		33.7 33.3 33.3 33.3 17.3 18.5	4.4 4.0 4.0 4.0 4.0 4.0	4.9 4.9 4.8 4.8 4.8 5.2	2790 2140 1845 1645 820 960
Punta de pluma *Jib end*			3.9	1.8	2.2	250
Mecanismo elevación carga *Hoisting mechanism*			4.7	3.5	2.6	1790
Punta de torre + Elevación carga *Tower head + hoisting mechanism*			23.6	6.1	8.2	14560
Elevación pluma con *plataforma* *Luffing mech + platform*			5.5 12.7	3.6 1.7	4.8 2.1	1635 3860
Polipasto *Hook assembly*			2.7	0.8	3.9	490
Tirante sostén pluma *Jib support tie*			20.7	1.2	1.2	2650
Contrapluma con plataformas + Soporte contrapeso *Counterjib with platforms + Counterweight support*			17.3	6.9	5.2	5425
Parte superior *Top part*			18.8	5.8	2.2	1700
Plataforma y cabina *Platform and cabin*			13.6	6.9	8.2	2650
Contrapeso *Counterweight*			4.9 4.9 4.9	2.0 2.0 2.0	7.0 5.7 3.0	9040 7720 3640
Lastre *Ballast*			12.5	1.9	4.9	13230
Estructura torre de montaje *Jacking cage structure*	TM6-150PA		33.9	7.9	7.6	7720

Fecha / *Date:* **16/01/2023**

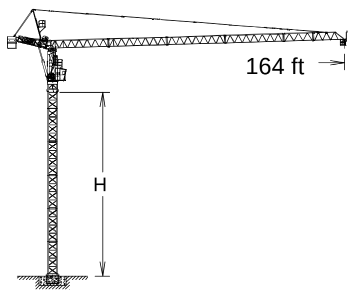
FEM 1001

COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* — J168HPA



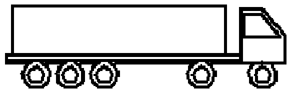
Otras configuraciones de torre / *Other tower configuration*

Transporte / *Transport*



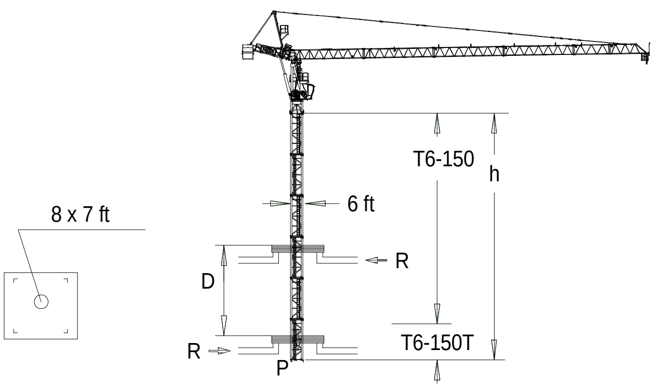
H= 125 + + AND150

6x



6x HIGH CUBE 40’

TREPADO / *CLIMBING* — J168HPA



h_{max}: T6150T + 4xT6-150

164 ft	▶	■
h (ft)	115	
D (ft)	43 - 52	
P (lbf)	179800	166400
Rmax (lbf)	33900	74200

Trepado interno / *Internal climbing*

- Viento fuera de servicio / *Out of service wind*
- Consultar / *Consult*
- ▶ En servicio / *In service*
- ■ Fuera de servicio / *Out of service*

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FEM 1001

DELEGACION / *DEALER*


RC /
DC
JASO TOWER CRANES


JASO

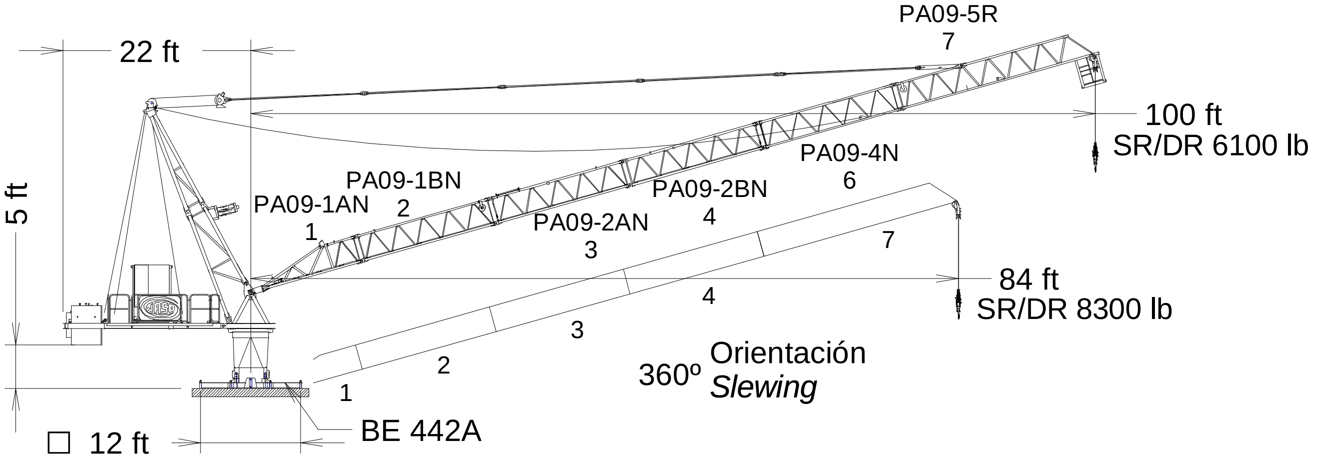
GRUA TORRE
TOWER CRANE

J80PA.RC

UNE 58-101
FEM 1001

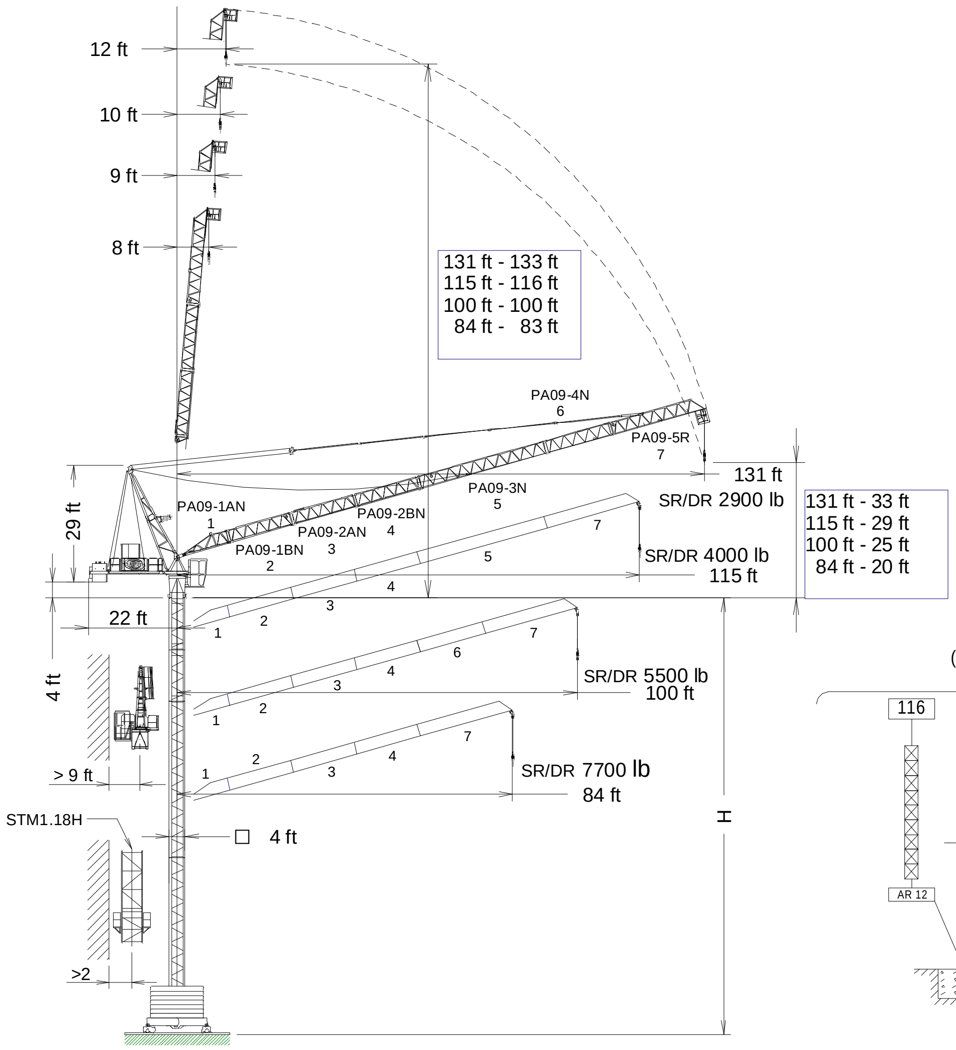
UNE-EN-ISO 9001

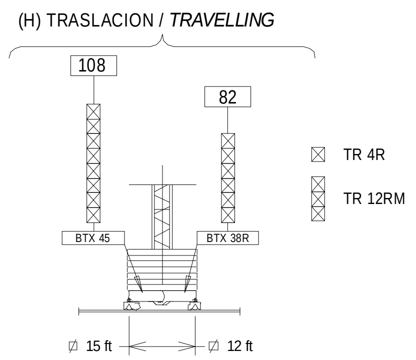
RECOVERY CRANE:

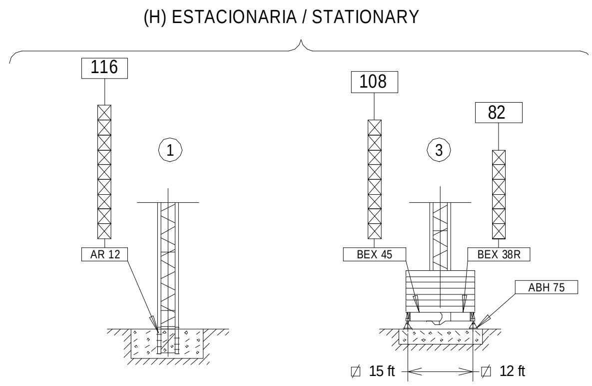


H_{SR}= Máxima altura de torre sin arriostrar (ft).
Maximum tower height without fastening (ft)

LUFFING CRANE:







Fecha / *Date:* **16/01/2023**

FEM 1001

CARGAS / *LOADS* — J80PA.RC

RECOVERY CRANE:

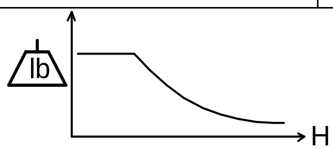
SR / DR (lb)		Cargas máximas / *Maximum loads* **SR / DR- 8800 / 17600 lb**			
[ft]	8800 / 17600 lb @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*			
		49	**66**	**84**	**100**
100	78/46	8800/16200	8800/11200	8300	6100
84	80/47	8800/16500	8800/11500	8300	——

LUFFING CRANE:

SR / DR (lb)		Cargas máximas / *Maximum loads* **SR / DR - 5500 / 11000 lb**				
[ft]	5500 / 11000 lb @ ... (ft)	Alcance del gancho [ft] / *Hook reach [ft]*				
		66	**84**	**100**	**115**	**131**
131	95/60	5500/9700	5500/6900	5200	3900	2900
115	96/60	5500/9800	5500/7100	5300	4000	——
100	100/62	5500/10200	5500/7500	5500/5500	——	——
84	84/64	5500/10700	5500/7700	——	——	——

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J80PA.RC

*opcional **optional*	**RECOVERY CRANE EC3360VF 24,3 kW**	**LUFFING CRANE EC3360VF 24,3 kW**	**OG608VF 4 kW**	**EP2515VF 18,4 kW**	☑ **2,8/ 3,8 / 4,5 m TG825VF 2x3 kW**	**TH1010 9,2 kW**
lb / ft/min (SR)	4400 | 8800 0...197 | 0...98	4400 | 5500 0...197 | 0...157	0...0,8 r/min sl/min	1,5 min	0...82 ft/min	3 ft/min
lb / ft/min (DR)	8800 | 17600 0...98 | 0...49	8800 | 11000 0...98 | 0...79				
H	H ≤ SR 2625 ft DR 1312 ft	6407 ft	*480V* 60Hz **EC3360VF: AMPERAGE = 93 A**			



LASTRES INFERIORES / *LOWER BALLASTS* — J80PA.RC

	H (ft)	**31**	**56**	**82**	**108**
BEX 45 / BTX 45	9000 lb	8	10	12	14
BEX 38R / BTX 38R	9000 lb	10	12	14	—

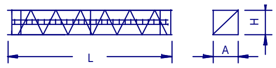
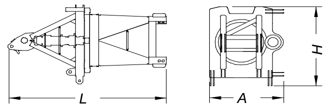
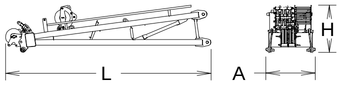
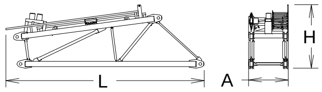
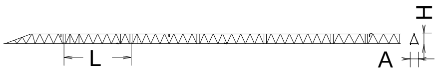
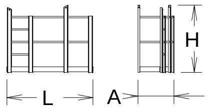
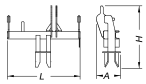
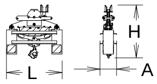
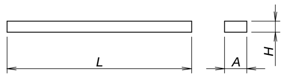
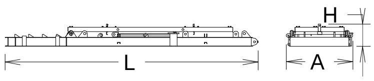
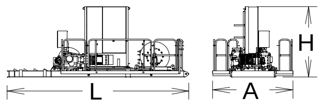
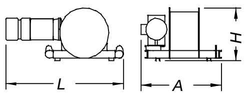
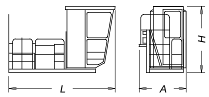
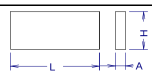
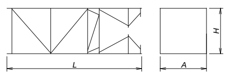
H: Altura bajo gancho / *Height under hook*
Para alturas intermedias tomar el lastre correspondiente a la altura superior / *For intermediate heights take the ballast corresponding to the higher height*

Fecha / *Date:* **16/01/2023**

FEM 1001

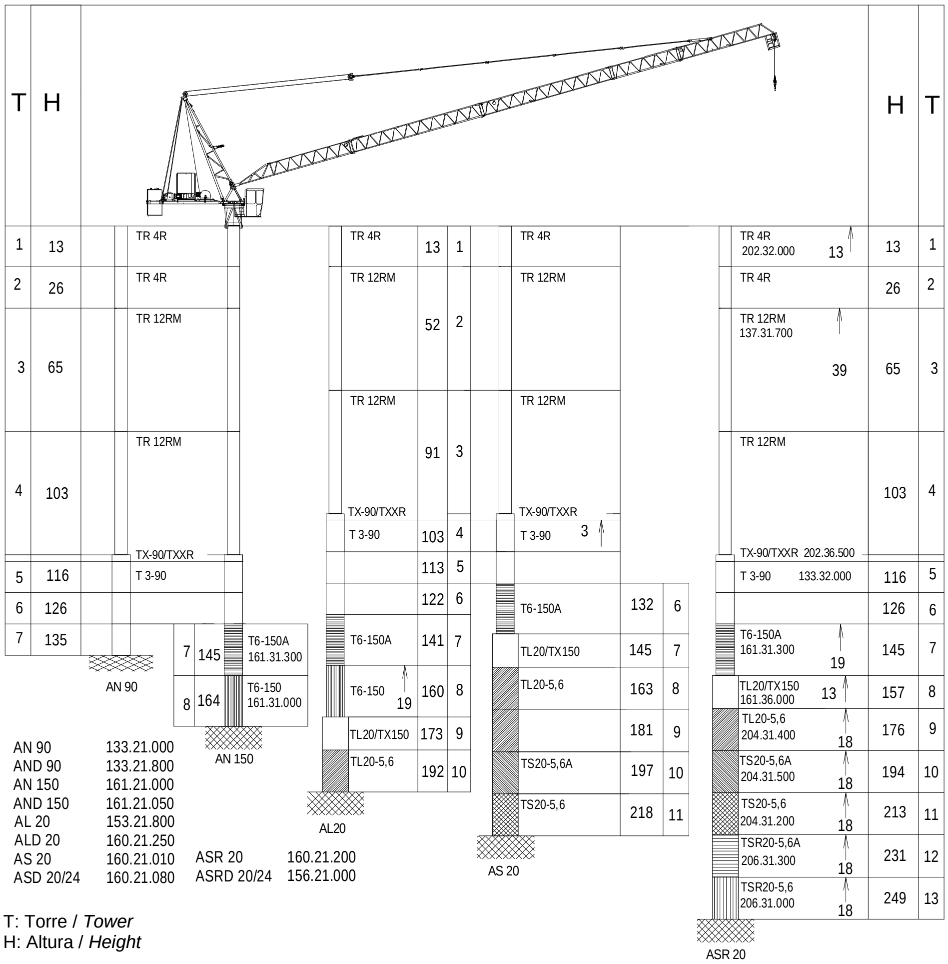
LISTA DE EMBARQUE / *PACKING LIST*

J80PA.RC

DENOMINACIÓN / *DENOMINATION*			L [ft]	A [ft]	H [ft]	P / *W* [lb]
Torre *Tower*	TR 8RM TR 12RM TR 4R		26.5 39.4 13.6	3.9 3.9 3.9	3.9 3.9 3.9	5680 8190 3155
Torre asiento pista + base punta de torre + orientación *Slewing table +* *tower head base + slewing mechanism*			11.2	5.3	6.4	5270
Punta de torre 1 *Tower head 1*			14.5	3.5	3.4	2075
Punta de torre 2 *Tower head 2*			14.9	3.0	4.8	1865
Tramo de pluma *Jib section*	PA09-1AN (1) PA09-1BN (2) PA09-2AN (3) PA09-2BN (4) PA09-3N (5) PA09-4N (6) PA09-5R (7)		13.0 17.1 17.1 17.1 33.2 17.1 24.5	3.4 2.8 2.8 2.8 2.8 2.8 2.8	4.0 3.4 3.4 3.4 3.5 3.5 3.9	1000 795 820 650 1170 610 1235
Plataforma de punta de pluma *Jib end platform*			5.6	2.4	4.4	160
Punta de pluma *Jib end*			2.7	0.9	2.2	195
Polipasto *Hook assembly*			4.2	1.2	4.0	1630
Tirante sostén pluma *Jib support tie*			16.7	1.2	1.0	630
Contrapluma con plataformas *Counterjib with platforms*			18.4	8.4	0.8	1765
Contrapluma con plataformas, armario eléctrico y mecanismos *Counterjib with platforms,* *electric control cupboard and mechanisms*			19.1	8.4	7.4	8810
Mecanismos *Mechanisms*	Elevación carga / *Hoisting* Elevación pluma / *Luffing*		6.3 6.2	4.3 4.1	2.8 2.5	2610 1990
Plataforma y cabina *Platform and cabin*			12.3	5.4	7.7	1810
Lastre *Ballast*			13.1	1.1	4.3	9040
Torre de montaje *Jacking cage*		TM 1.18H	23.4	5.8	5.6	7055
Torre de montaje sin puerta+ carro+plataforma carro+ viga de apoyo *Jacking cage without door+* *trolley+ trolley platform+beam assembly*			23.4	5.8	5.6	5400

FEM 1001

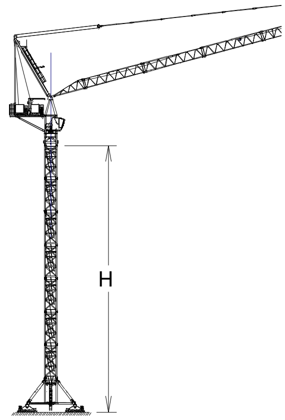
COMPOSICIONES DE TORRE / *TOWER COMPOSITIONS* J80PA.RC



T: Torre / *Tower*
H: Altura / *Height*

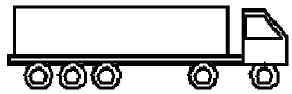
Otras configuraciones de torre / *Other tower configuration*

Transporte / *Transport*



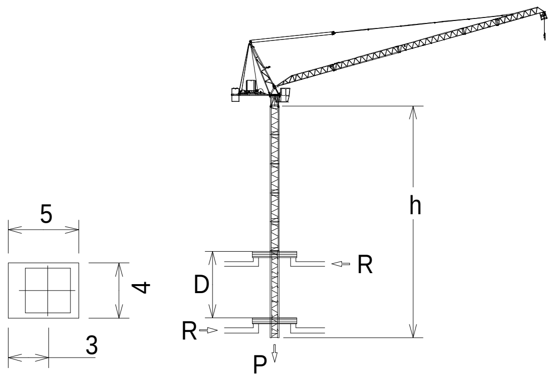
H= 108 ft + + BTX45

3x



4x HIGH CUBE 40'

TREPADO / *CLIMBING* J80PA.RC



h_{max}: 3xTR4RT + 6xTR4R

	▶	■
h (ft)	117	
D (ft)	21 - 33	
P (lbf)	95100	83900
Rmax (lbf)	45000	490600

TR4RT: 800.32.100

Trepado interno / *Internal climbing*

Viento fuera de servicio / *Out of service wind*
Consultar / *Consult*
▶ En servicio / *In service*
■ Fuera de servicio / *Out of service*

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Fecha / *Date:* **16/01/2023**

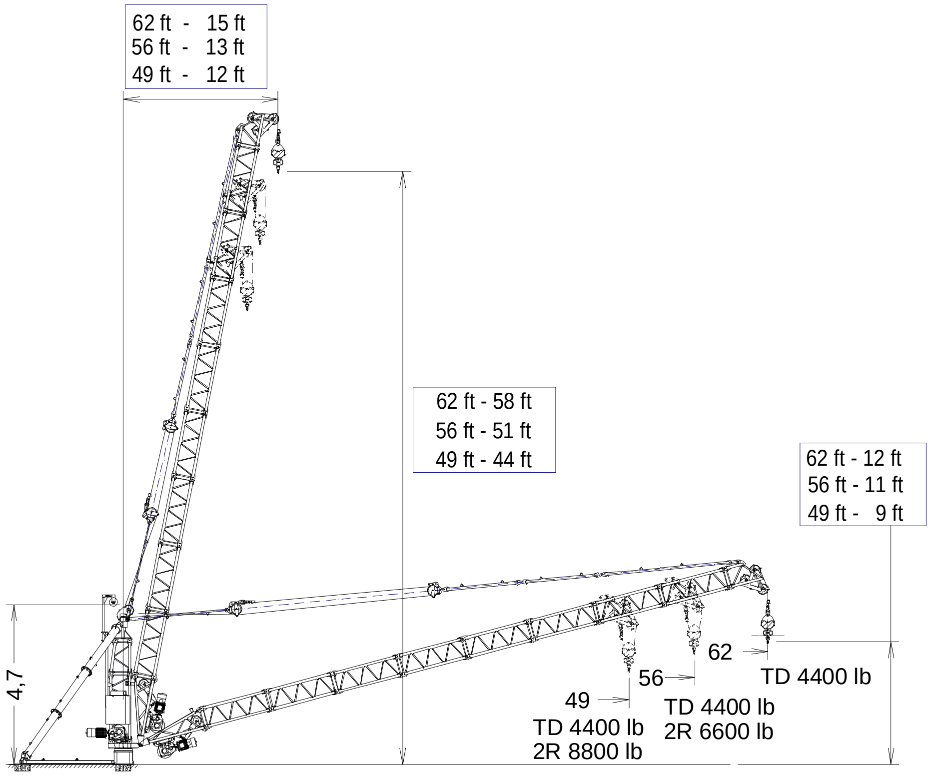
FEM 1001

DELEGACION / *DEALER*

GRUA DERRICK
DERRICK CRANE
J1920.DC

CE FEM 1001

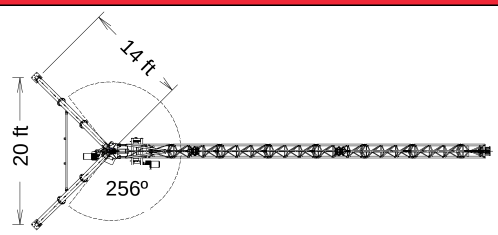
UNE-EN-ISO 9001



CARGAS / *LOADS* — J1920.DC

TD/2R (lb)			Cargas máximas / *Maximum loads* **TD/2R (lb)**		
[ft]	2R 8800 lb [ft]	TD 4400 lb [ft]	Alcance del gancho [ft] / *Hook reach [ft]*		
			49	**56**	**62**
62		62	4400	4400	4400
56		56	4400	4400	-
49	49	49	8800	-	-
[ft]	2R 6600 lb [ft]		Alcance del gancho [ft] / *Hook reach [ft]*		
56	56		6600	6600	-

(H) ESTACIONARIA / *STATIONARY*



TRANSPORTE / *TRANSPORT*

Transporte grúa completa / *Transport of whole crane*

Caja maritima / *Liftvan*

9.5 x 7.4 x 7.4 ft – 880 lb
Derrick – 10600 lb

124 mph	49 ft
109 mph	56 ft
96 mph	62 ft

Fecha / *Date:* **16/01/2023**

CARACTERISTICAS DE MECANISMOS / *MECHANISMS FEATURES* — J1920.DC

*opcional *optional	EC1040VF 7,5 kW		OG604VF 2 x 2,2 kW	EP1015VF 7,5 kW
lb ft/min	2200 0 … 131	4400 0 … 66	0…0,4 r/min sl/min	1,5 min
lb ft/min	4400 0 … 66	8800 0 … 33		
H H ≤ TD 1568 ft / 2R 784 ft		2106 ft	*480V* 60Hz **AMPERAGE = 21 A**	

LISTA DE EMBARQUE / *PACKING LIST* — J1920.DC

DENOMINACIÓN / *DENOMINATION*	L (ft)	A (ft)	H (ft)	P / *W* (lb)
Base punta de torre+orientacion / tower head base + *slewing*	2.5	3.3	2.7	1130
Torre asiento pista / *Slewing table*	1.3	2.2	2.2	260
Tramo de pluma - Torre / *Jib section – Tower*	7.0	2.2	2.6	290
Tramo de pluma I / *Jib section I*	6.9	1.9	2.2	200
Punta de pluma / *Jib end*	3.9	1.9	4.5	295
Torre inferior / *Lower tower*	6.9	1.9	2.2	230
Torre superior / *Top tower*	3.6	1.9	2.2	115
Punta de torre / *Tower head*	3.6	2.1	2.1	390
Puntal / *Pillar*	6.4	-	1.1	205
	5.9	-	1.1	215
Plumín / *Auxiliary jib*	11.0	-	1.6	130
Polipasto / *Hook assembly*	1.2	1.3	2.9	420
Pasteca / *Reeving block*	1.2	1.5	1.5	160
Larguero inferior / *Lower crossbar*	13.1	-	1.0	115
Elevación carga / *Hoisting*	4.2	4.1	1.8	941
Elevación pluma / *Luffing*	1.9	3.9	1.8	617
Limitador sobrecarga / *Overload limiter*	1.0	1.2	1.1	62
Armario electrico / *Electrical cupboard*	1.2	2.1	3.2	198

124 mph	49 ft
109 mph	56 ft
96 mph	62 ft

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Fecha / *Date:* **16/01/2023**

DELEGACION / *DEALER*

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