



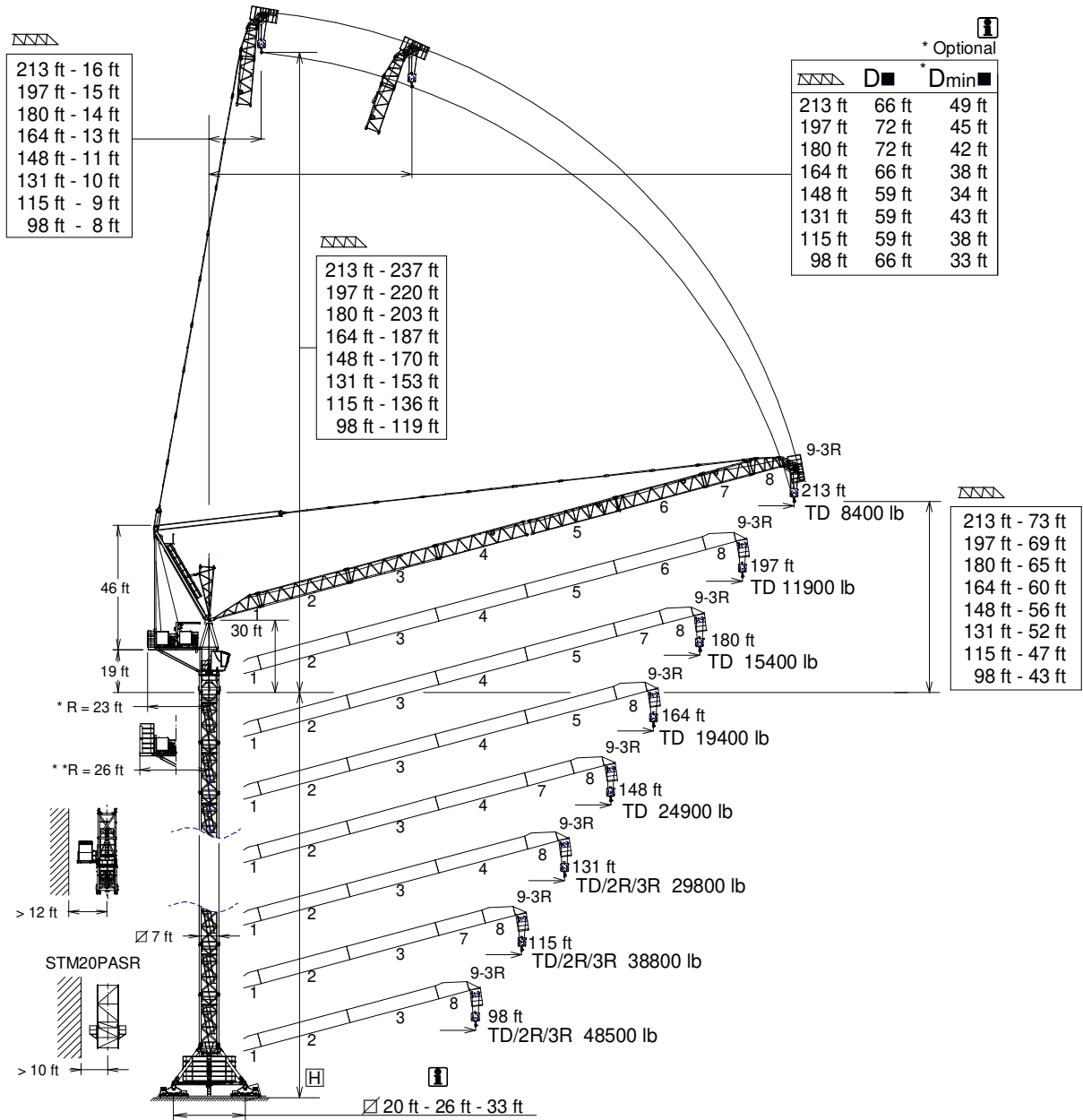
UNE 58-101
FEM 1001

FEM 1001

J480PA

GRUA TORRE / TOWER CRANE

UNE-EN-ISO 9001



* Contrapesos metálicos / Steel Counterweight ** Contrapesos de hormigón / Concrete counterweights

D ■ Distancias fuera de servicio dependen de la altura de la torre / Out of service distances depend on tower height

*Dmin ■ Distancias mínimas fuera de servicio dependen de la altura de la torre / Out of service minimum distances depend on tower height

Tramo pluma 1 / Jib section 1	206.40.000	Tramo pluma 5 / Jib section 5	206.44.000	Tramo pluma 9-3R / Jib section 9-3R ...	206.48.000
Tramo pluma 2 / Jib section 2	206.41.200	Tramo pluma 6 / Jib section 6	206.45.000	TSR20	206.31.200
Tramo pluma 3 / Jib section 3	206.42.200	Tramo pluma 7 / Jib section 7	206.46.000	TSR20-5,6	206.31.000
Tramo pluma 4 / Jib section 4	206.43.000	Tramo pluma 8 / Jib section 8	206.47.200	TR24/TSR20	204.36.500

CUSTOMIZE YOUR CRANE

OPTIMUS
line



OPTI Cubo



TC Diagnosis
SYSTEM



CLIMBING
Solution



SAFETY
Pack



Customization



ECO Mode



COMFORT
Cabin



HIGH POWER
Motors



JL25 Tower
Crane Elevator



BE SMART
keep control



Reservado el derecho a modificaciones sin previo aviso. Declinamos toda responsabilidad derivada de la información proporcionada / Subject to modification, without prior notice. This information is supplied without liability

30/05/2025

CARGAS / LOADS

J480PA



TD - 26500 lb



	TD 26500 lb @ ...(ft)	98	115	131	148	164	180	197	213
213	135	26500	26500	26500	22300	17600	14100	11000	8400
197	137	26500	26500	26500	23100	18700	15000	11900	—
180	138	26500	26500	26500	23600	19000	15400	—	—
164	139	26500	26500	26500	23800	19400	—	—	—
148	143	26500	26500	26500	24900	—	—	—	—
131	131	26500	26500	26500	—	—	—	—	—
115	115	26500	26500	—	—	—	—	—	—
98	98	26500	—	—	—	—	—	—	—

CARGAS / LOADS

J480PA



TD/2R/3R

26500 / 52900 / 79400 lb



	3R 79400 lb @ (ft)	2R 52900 lb @ (ft)	TD 26500 lb @ (ft)	49	66	82	98	115	131	148	164	180	197	213
213	79400 lb @ (ft)		132	26500	26500	26500	26500	26500	26500	21200	16800	13000	9900	7300
197		87	135	52900	52900	52900	43900	34400	27300	21800	17400	13900	10800	—
180		87	135	52900	52900	52900	44100	34600	27800	22300	17900	14300	—	—
164	63	87	136	79400	75800	56700	44100	34800	28000	22500	18300	—	—	—
148	64	88	139	79400	77400	58200	45200	36200	29100	23800	—	—	—	—
131	65	89	131	79400	77800	58600	45900	36600	29800	—	—	—	—	—
115	66	92	115	79400	79400	60800	48100	38800	—	—	—	—	—	—
98	67	92	98	79400	79400	61500	48500	—	—	—	—	—	—	—

	2R 39700 lb @ (ft)	TD 19800 lb @ (ft)												
			82	98	115	131	148	164	180	197	213			
213	104	152	39700	39700	33700	26500	21200	16800	13000	9900	7300			

	3R 66100 lb @ (ft)	2R 44100 lb @ (ft)	TD 22000 lb @ (ft)											
				66	82	98	115	131	148	164	180			
180	73	99	149	66100	57100	44100	34600	27800	22300	17900	14300			

Datos válidos para / Valid data for



3R H ≤ 361 ft

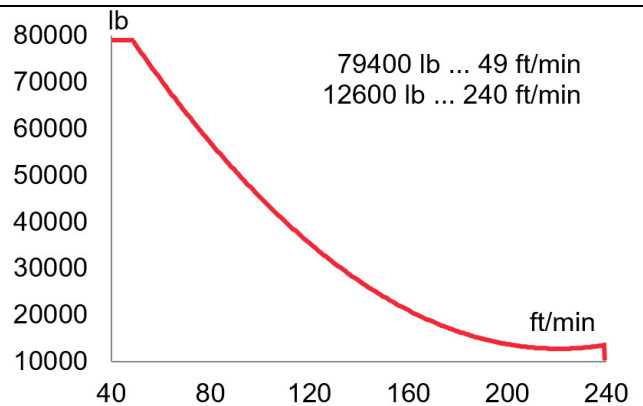
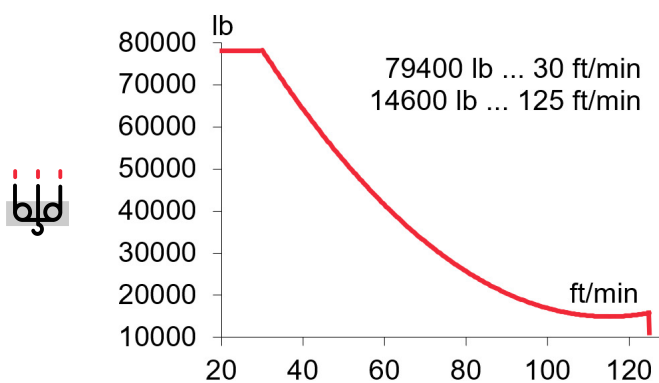
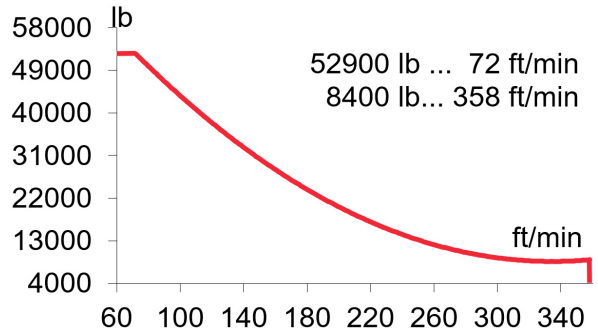
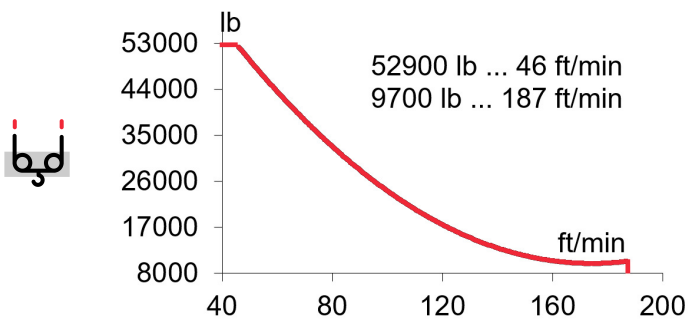
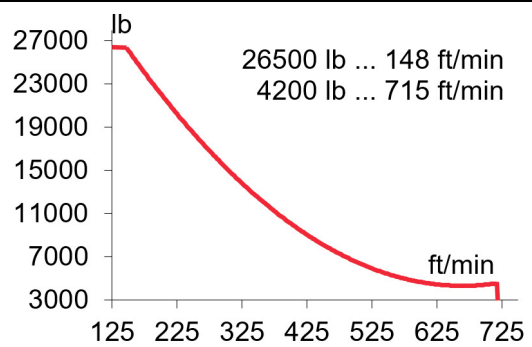
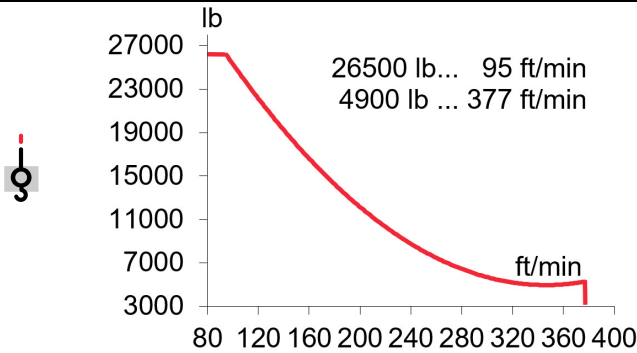
2R
TD H ≤ 394 ft

FEM 1001



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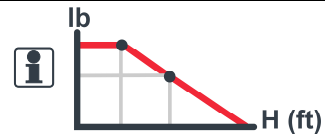

EC88115VF
65 kW

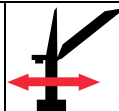
***EC150218VF**
110 kW


TD 2867 ft
H ≤ 2R 1434 ft
3R 955 ft



3704 ft


OG2008VF
2 x 7,3 kW

EP10015VF
75 kW

TG4025VF
4 x 7,5 kW

TH4010
29,4 kW

0...0,8
r/min
sl/min

1,5
min

0...82
ft/min

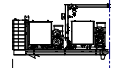
2 ft/min

⚡ 3~ 400V 50Hz
480V 60Hz

KVA			
EC88115VF	81	113	145
EC150218VF	103	146	189

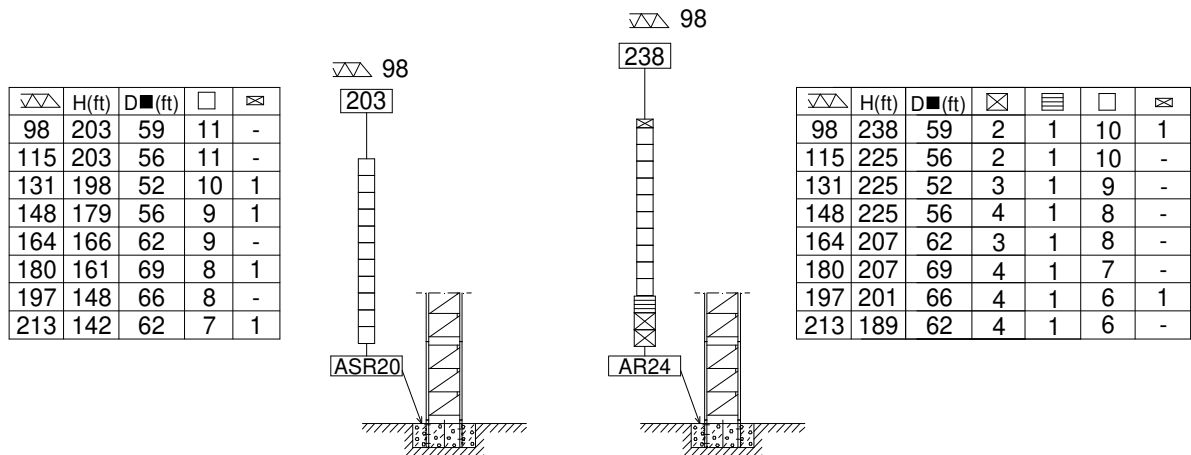
*Dmin

R = 23 ft

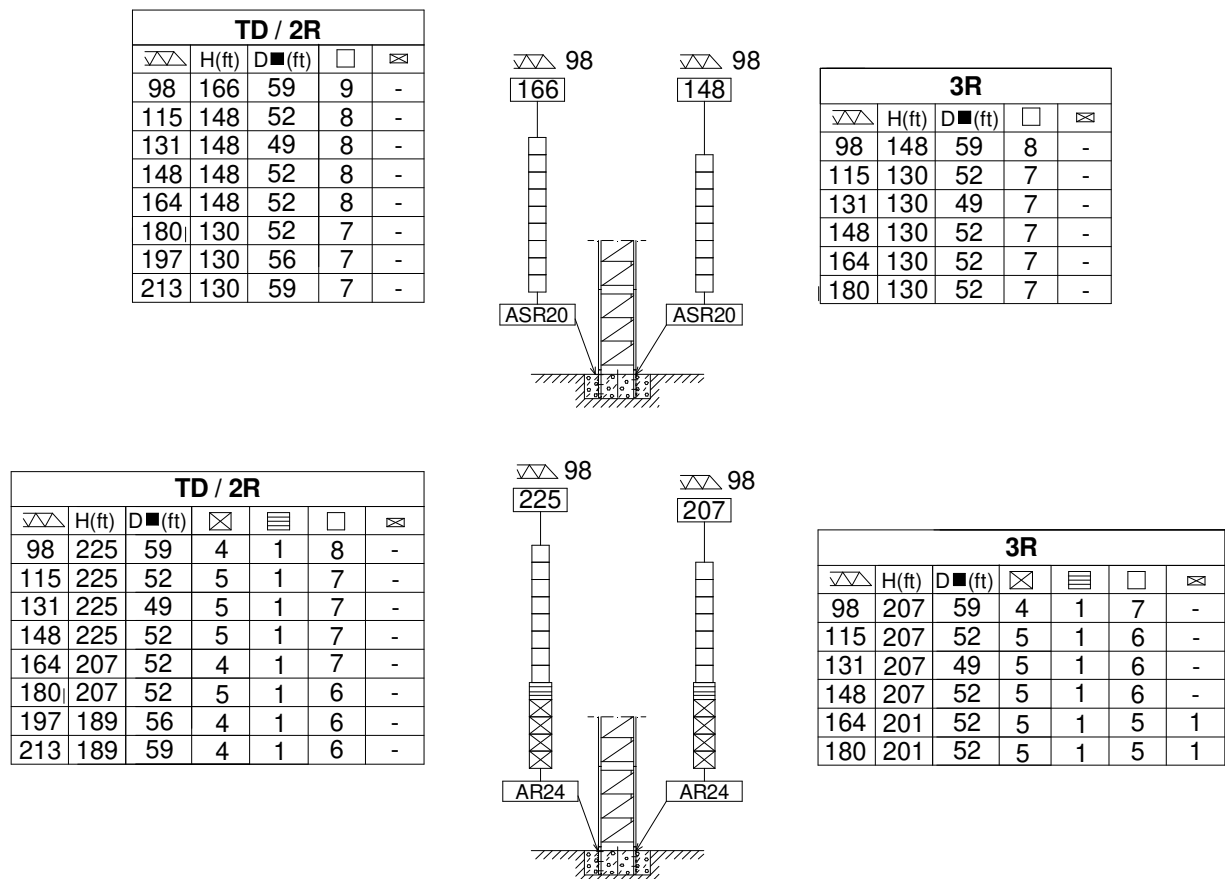


(H) ESTACIONARIA 1 / STATIONARY 1

TD



TD / 2R / 3R



⊠ TSR20

□ TSR20-5,6

≡ TR24/TSR20

⊠ TR24-5,6

ASR20 160.21.200

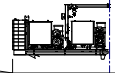
ASRD 20/24 156.21.000

AR24 156.21.200

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

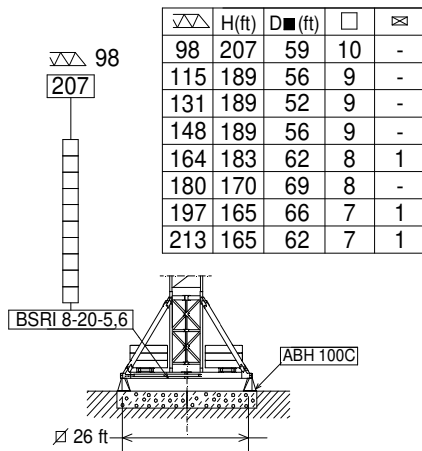
*Dmin

R = 23 ft



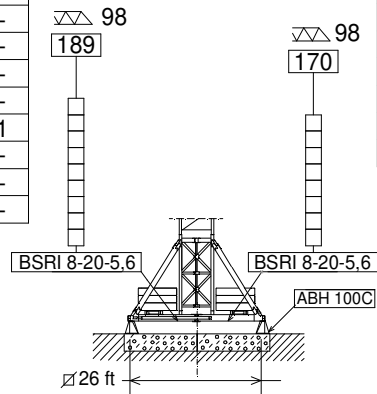
(H) ESTACIONARIA 3 / STATIONARY 3

TD



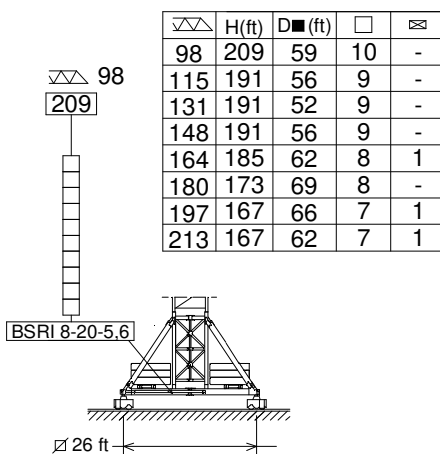
TD / 2R / 3R

TD / 2R				
▽▽	H(ft)	D■(ft)	□	⊠
98	189	59	9	-
115	170	52	8	-
131	170	49	8	-
148	170	52	8	-
164	165	52	7	1
180	152	52	7	-
197	152	56	7	-
213	152	59	7	-



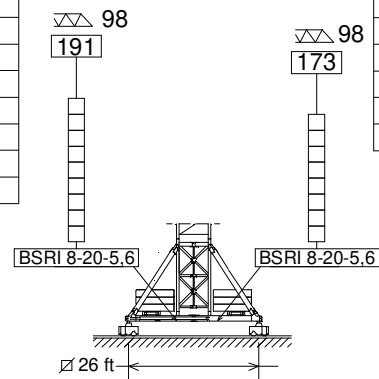
(H) TRASLACION / TRAVELLING

TD



TD / 2R / 3R

TD / 2R				
▽▽	H(ft)	D■(ft)	□	⊠
98	191	59	9	-
115	173	52	8	-
131	173	49	8	-
148	173	52	8	-
164	167	52	7	1
180	154	52	7	-
197	154	56	7	-
213	154	59	7	-



⊠ TSR20

□ TSR20-5,6

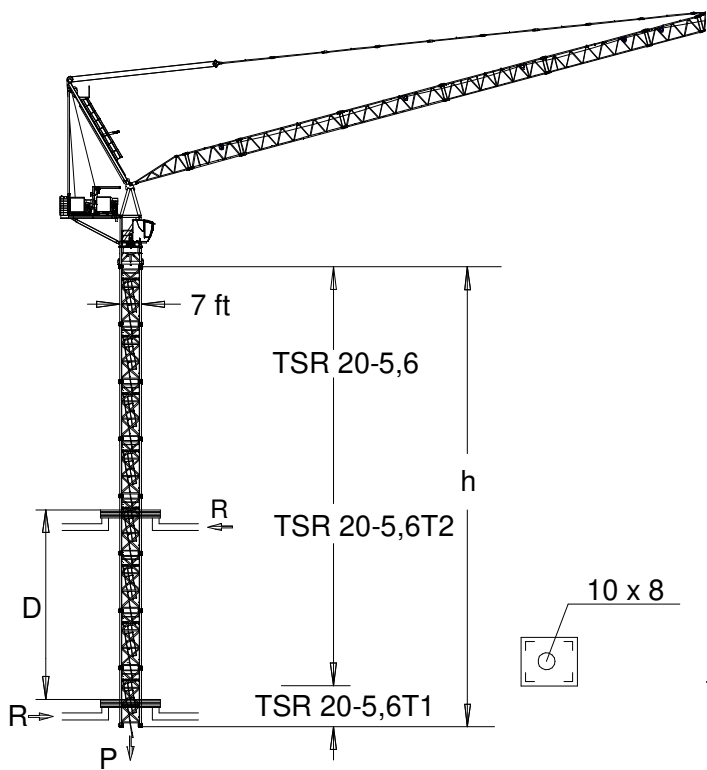
BSRI 8-20-5,6204.20.000

ABH 100C170.23.000

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

 *Dmin

R = 23 ft 



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

 213 ft →	TD 26500 lb	▶	■ (D■)
h (ft)	141		
D (ft)	66 - 47		
P (lbf)	401280	374310	
R _{max} (lbf)	105660	177600	

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

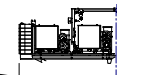
 197 ft →	<u>TD/2R/3R</u> TD/2R 52900 lb	▶	■ (D■)
h (ft)	129		
D (ft)	59 - 51		
P (lbf)	419270	365310	
R _{max} (lbf)	101160	150620	

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

 164 ft →	<u>TD/2R/3R</u> 3R 79400 lb	▶	■ (D■)
h (ft)	129		
D (ft)	59 - 49		
P (lbf)	440630	359690	
R _{max} (lbf)	105660	156240	

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

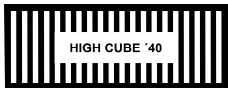
 Trepado interno / Internal climbing

R = 23 ft 

 213 ft →

H = 7 x TSR20-5,6 + ASRD20/24 + 

8 x 

7 x  HIGH CUBE 40'

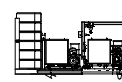
1 x OPEN TOP 40'

 FEM 1001



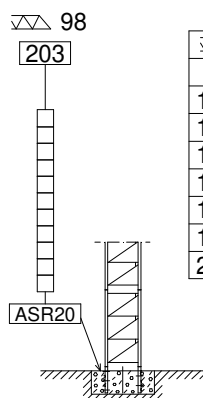
 *Dmin

R = 26 ft



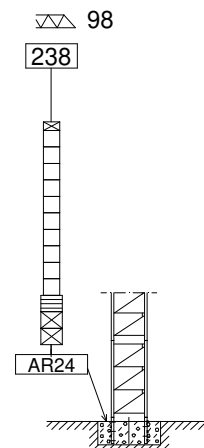
(H) ESTACIONARIA 1 / STATIONARY 1

TD



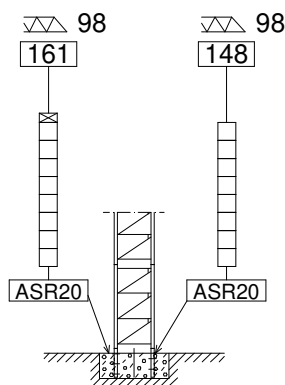
▽▽	H(ft)	D■(ft)	□	⊠
98	203	62	11	-
115	203	59	11	-
131	198	59	10	1
148	166	59	9	-
164	166	66	9	-
180	148	72	8	-
197	148	72	8	-
213	130	66	7	-

▽▽	H(ft)	D■(ft)	⊠	≡	□	⊠
98	238	62	2	1	10	1
115	225	59	2	1	10	-
131	225	59	3	1	9	-
148	220	59	4	1	7	1
164	207	66	4	1	7	-
180	201	72	5	1	5	1
197	189	72	4	1	6	-
213	189	66	4	1	6	-



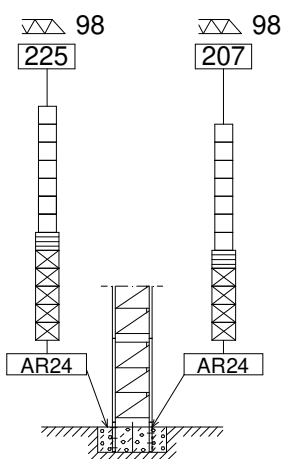
TD / 2R / 3R

TD / 2R					
▽▽	H(ft)	D■(ft)	□	⊠	
98	161	66	8	1	
115	148	59	8	-	
131	148	56	8	-	
148	148	56	8	-	
164	148	56	8	-	
180	130	56	7	-	
197	124	56	6	1	
213	124	59	6	1	



3R					
▽▽	H(ft)	D■(ft)	□	⊠	
98	148	66	8	-	
115	130	59	7	-	
131	130	56	7	-	
148	130	56	7	-	
164	130	56	7	-	
180	130	56	7	-	

TD / 2R						
▽▽	H(ft)	D■(ft)	⊠	≡	□	⊠
98	225	66	5	1	7	-
115	225	59	5	1	7	-
131	225	56	5	1	7	-
148	220	56	5	1	6	1
164	207	56	4	1	7	-
180	201	56	5	1	5	1
197	189	56	4	1	6	-
213	183	59	4	1	5	1



3R						
▽▽	H(ft)	D■(ft)	⊠	≡	□	⊠
98	207	66	4	1	7	-
115	207	59	5	1	6	-
131	207	56	5	1	6	-
148	201	56	5	1	5	1
164	201	56	5	1	5	1
180	201	56	5	1	5	1

⊠ TSR20

□ TSR20-5,6

≡ TR24/TSR20

⊠ TR24-5,6

ASR20 160.21.200

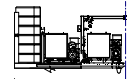
ASRD 20/24.....156.21.000

AR24156.21.200

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

 *Dmin■

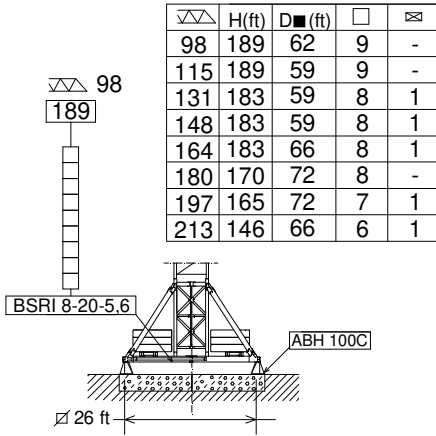
R = 26 ft



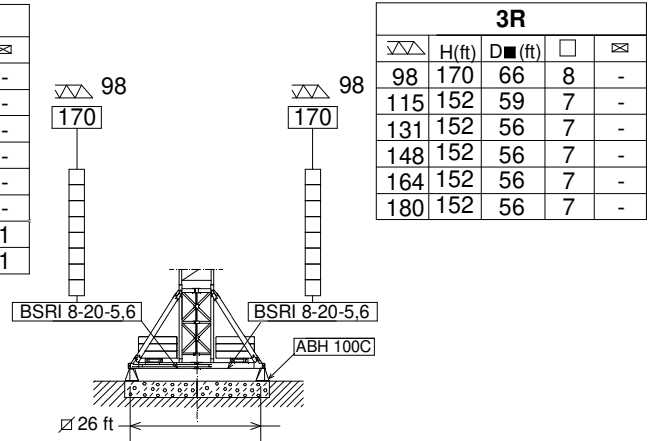
(H) ESTACIONARIA 3 / STATIONARY 3

TD

TD / 2R / 3R



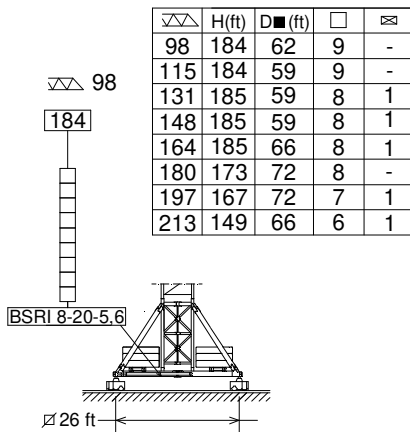
TD / 2R				
▽△	H(ft)	D■(ft)	□	⊠
98	170	66	8	-
115	170	59	8	-
131	170	56	8	-
148	170	56	8	-
164	170	56	8	-
180	152	56	7	-
197	146	56	6	1
213	146	59	6	1



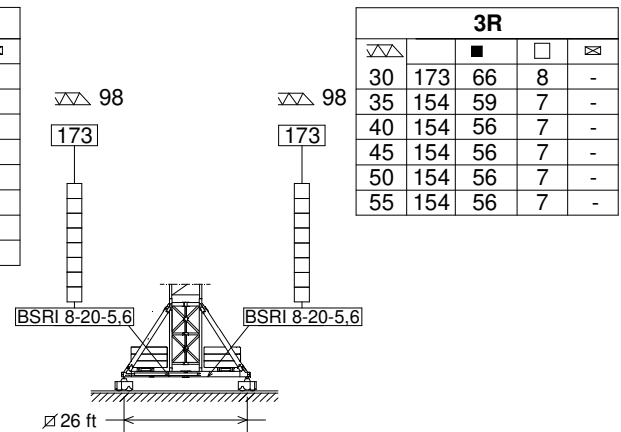
(H) TRASLACION / TRAVELLING

TD

TD / 2R / 3R



TD / 2R				
▽△	H(ft)	D■(ft)	□	⊠
98	173	66	8	-
115	173	59	8	-
131	173	56	8	-
148	173	56	8	-
164	173	56	8	-
180	154	56	7	-
197	149	56	6	1
213	149	59	6	1



⊠ TSR20

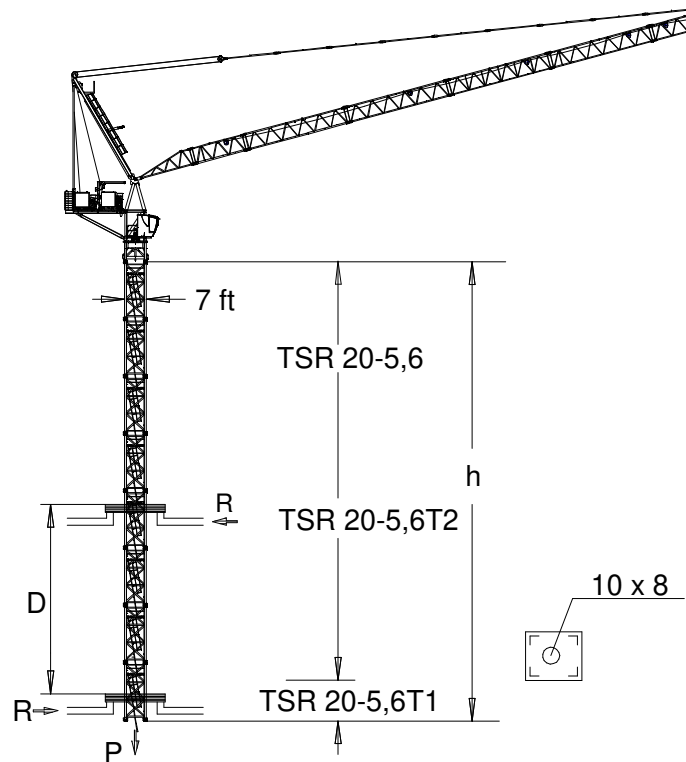
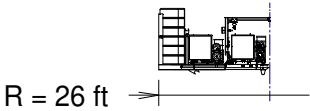
□ TSR20-5,6

BSRI 8-20-5,6..... 204.20.000

ABH 100C..... 170.23.000

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

 *Dmin



h_{max} :
TSR20-5,6T1 + 5 x TSR20-5,6 + TSR 20-5,6T2

 213 ft	TD 26500 lb		 (D)
h (ft)	129		
D (ft)	59 - 44		
P (lbf)	388920		361940
R _{max} (lbf)	111280		175350

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

 197 ft	TD/2R/3R TD/2R 52900 lb		 (D)
h (ft)	123		
D (ft)	56 - 50		
P (lbf)	412520		358570
R _{max} (lbf)	103410		151750

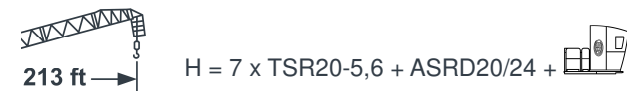
h_{max} :
TSR20-5,6T1 + 5 x TSR20-5,6 + TSR20-5,6T2

 164 ft	TD/2R/3R 3R 79400 lb		 (D)
h (ft)	129		
D (ft)	59 - 45		
P (lbf)	420390		339460
R _{max} (lbf)	110160		155120

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



Trepado interno / Internal climbing



8 x



9 x



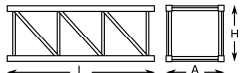
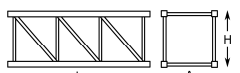
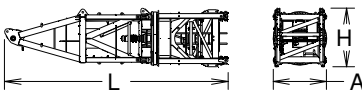
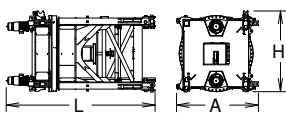
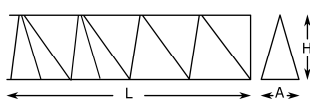
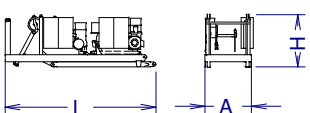
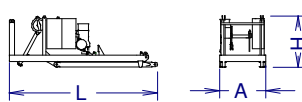
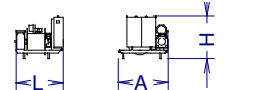
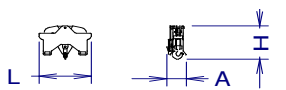
1 x

OPEN TOP 40'



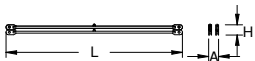
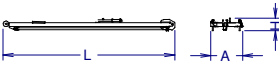
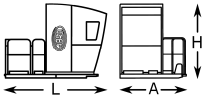
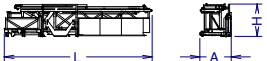
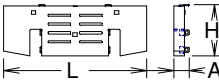
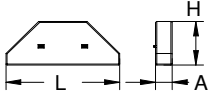
FEM 1001



			L (ft)	A (ft)	H (ft)	P/W (lb)
Torre inferior / Lower tower	TSRI-20-5,6		19.7	7.4	7.4	6562
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 + Orientación Slewing table + Top tower + Slewing mechanism			31.7	7.6	8.4	34890
Punta de torre / Tower head			19.2	7.5	7.8	11680
Torre asiento pista + Base punta de torre + Orientación Slewing table + Tower head base + Slewing mechanism			15.3	8.4	8.1	23200
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 4.9 5.1 5.1 5.1 6.5	5.8 5.7 5.7 5.7 5.7 5.7 5.7 6.1 10.4	4030 5970 5800 5060 4170 3850 2160 2190 2440
Contrapluma + Mecanismos + Pasteca + Plumin Counterjib + Mechanisms + Reeving block + Auxiliary jib			24.0	7.4	8.2	43210
Contrapluma + Elevacion pluma + Pasteca + Plumin Counterjib + Luffing mechanisms + Reeving block + Auxiliary jib			24.0	7.3	8.2	28000
Mecanismo elevacion carga / Hoisting mechanism			7.2	8.3	6.8	15210
Polipasto / Hook assembly	TD/2R/3R TD		3.6 0.5	1.1 0.9	5.6 5.6	1760 530

LISTA DE EMBARQUE / PACKING LIST

J480PA

		L (ft)	A (ft)	H (ft)	P/W (lb)
Tirante sostén pluma / Jib support tie		19.2	1.4	2.0	5240
Parte superior / Top part		39.2	7.3	2.9	15370
Plataforma + Cabina / Platform + Cabin		12.0	7.5	8.1	2760
Transporte torre de montaje / Jacking cage transport	TM20PASR-5,6 	35.5	7.5	7.9	26760
Contrapeso / Counterweight		7.2	1.1	2.7	6610
		14.8	1.1	2.7	13230
Contrapeso / Counterweight Lastre / Ballast		12.5	0.9	4.9	6610
		12.5	1.9	4.9	13230

 Viento fuera de servicio / Out of service wind

 Consultar / Consult

 En servicio / In service

 Fuera de servicio / Out of service

 Opcional / Optional



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30/05/2025

 **FEM 1001**

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