

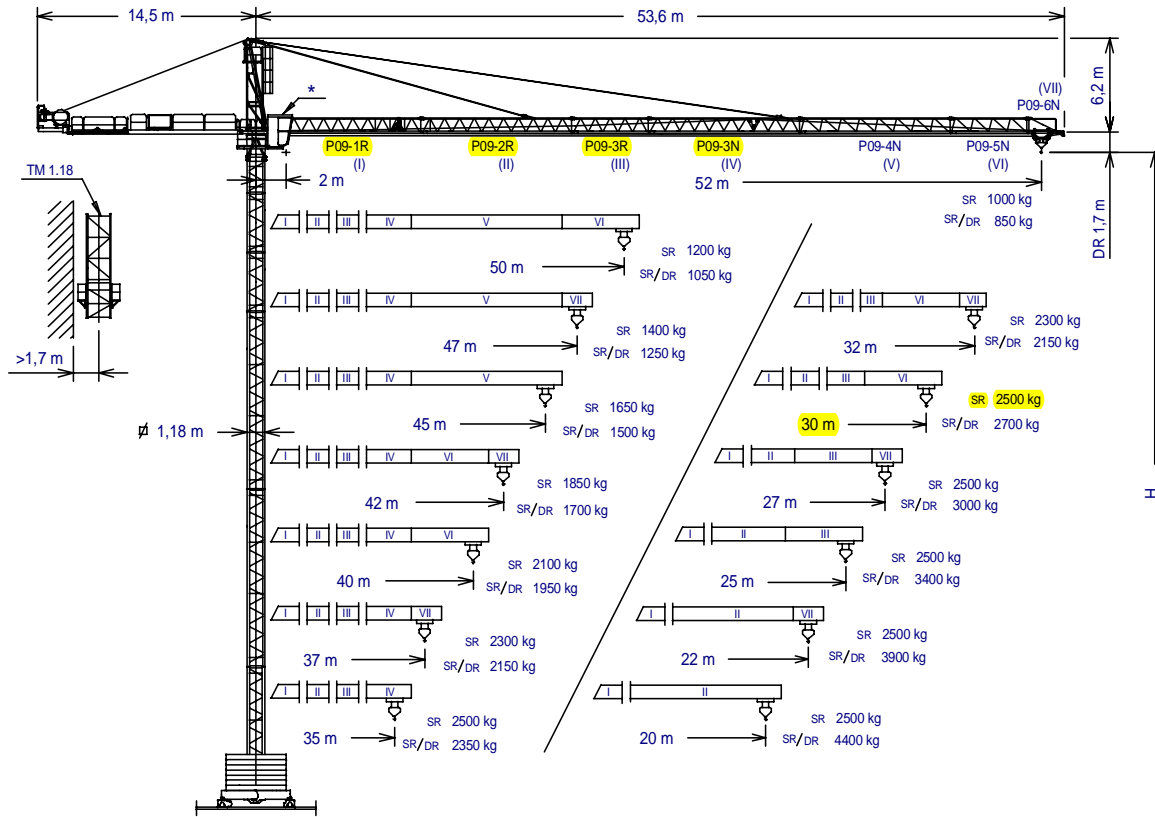
GRUA TORRE TOWER CRANE

J52NSA

UNE 58-101-92
FEM 1001

SISTEMA DE CALIDAD CERTIFICADO SEGUN
QUALITY ASSURANCE SYSTEM CERTIFIED ACCORDING TO

UNE-EN-ISO 9001 **CE**



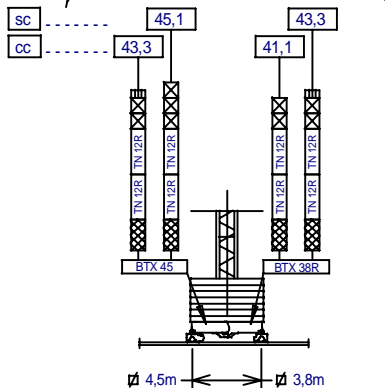
H_{DR} = Altura máxima bajo gancho
sin arriostrar (m)
Maximum height under hook
without fastening

Sin cabina / Without cabin = SC
Con cabina / With cabin = CC

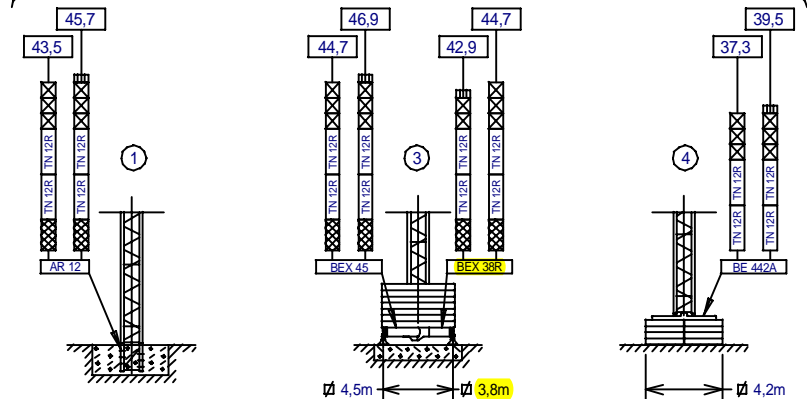
* opcional
optional

P09-1R	152.40.000	BTX 45 / BEX 45	137.20.500
P09-2R	152.41.000	BTX 38R / BEX 38R	137.20.000
P09-3R	152.42.000	AR 12	137.21.000
P09-3N	149.42.000	BE 442A	138.24.000
P09-4N	149.43.000	TM 1.18	137.35.000
P09-5N	149.44.000	TN 2R	152.32.000
P09-6N	149.45.000		

(H_{DR}) TRASLACION / TRAVELLING



(H_{DR}) ESTACIONARIA / STATIONARY



TR 8R
 TN 4R
 TN 2R



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SR (kg)	Cargas máximas Maximum loads															2500
	Alcance del gancho (m) Hook reach (m)															
PLUMA / JIB	52	50	47	45	42	40	37	35	32	30	27	25	22	20	15	a
52 m	1000	1050	1135	1195	1300	1375	1505	1605	1780	1915	2155	2345	2500	2500	2500	23,6
50 m	—	1200	1295	1365	1475	1565	1710	1820	2015	2165	2435	2500	2500	2500	2500	26,3
47 m	—	—	1400	1475	1600	1690	1845	1965	2175	2335	2500	2500	2500	2500	2500	28,2
45 m	—	—	—	1650	1785	1890	2060	2195	2420	2500	2500	2500	2500	2500	2500	31,1
42 m	—	—	—	—	1850	1955	2135	2270	2500	2500	2500	2500	2500	2500	2500	32,1
40 m	—	—	—	—	—	2100	2290	2435	2500	2500	2500	2500	2500	2500	2500	34,2
37 m	—	—	—	—	—	—	2300	2445	2500	2500	2500	2500	2500	2500	2500	34,3
35 m	—	—	—	—	—	—	—	2500	2500	2500	2500	2500	2500	2500	2500	35
32 m	—	—	—	—	—	—	—	—	2300	2470	2500	2500	2500	2500	2500	29,7
30 m	—	—	—	—	—	—	—	—	—	2500	2500	2500	2500	2500	2500	30
27 m	—	—	—	—	—	—	—	—	—	—	2500	2500	2500	2500	2500	27
25 m	—	—	—	—	—	—	—	—	—	—	—	2500	2500	2500	2500	25
22 m	—	—	—	—	—	—	—	—	—	—	—	—	2500	2500	2500	22
20 m	—	—	—	—	—	—	—	—	—	—	—	—	—	2500	2500	20

SR / DR (kg)	Cargas máximas Maximum loads															2500 5000
	Alcance del gancho (m) Hook reach (m)															
PLUMA / JIB	52	50	47	45	42	40	37	35	32	30	27	25	22	20	15	a
52 m	850	900	985	1045	1150	1225	1355	1455	1630	1765	2005	2200	2500 2555	2500 2850	2500 3935	22,4 12
50 m	—	1050	1145	1210	1325	1415	1560	1670	1865	2015	2285	2500 2500	2500 2895	2500 3225	2500 4435	25 13,4
47 m	—	—	1250	1325	1445	1540	1695	1815	2025	2185	2470	2500 2700	2500 3125	2500 3480	2500 4470	26,7 14,4
45 m	—	—	—	1500	1635	1740	1910	2045	2270	2450	2500 2765	2500 3020	2500 3485	2500 3875	2500 5000	29,5 15,8
42 m	—	—	—	—	1700	1805	1985	2120	2355	2500 2540	2500 2865	2500 3130	2500 3610	2500 4010	2500 5000	30,4 16,3
40 m	—	—	—	—	—	1950	2140	2285	2500 2540	2500 2735	2500 3080	2500 3360	2500 3875	2500 4300	2500 5000	32,4 17,4
37 m	—	—	—	—	—	—	2150	2295	2500 2550	2500 2745	2500 3095	2500 3375	2500 3890	2500 4320	2500 5000	32,5 17,5
35 m	—	—	—	—	—	—	—	2350	2500 2610	2500 2810	2500 3165	2500 3450	2500 3975	2500 4415	2500 5000	33,2 17,8
32 m	—	—	—	—	—	—	—	—	2150	2320	2500 2620	2500 2865	2500 3310	2500 3680	2500 5000	28,1 15,1
30 m	—	—	—	—	—	—	—	—	—	2500 2700	2500 3045	2500 3320	2500 3825	2500 4250	2500 5000	30 17,2
27 m	—	—	—	—	—	—	—	—	—	—	2500 3000	2500 3270	2500 3775	2500 4190	2500 5000	27 17
25 m	—	—	—	—	—	—	—	—	—	—	—	2500 3400	2500 3820	2500 4350	2500 5000	25 17,6
22 m	—	—	—	—	—	—	—	—	—	—	—	—	2500 3900	2500 4330	2500 5000	22 17,5
20 m	—	—	—	—	—	—	—	—	—	—	—	—	—	2500 4400	2500 5000	20 17,8

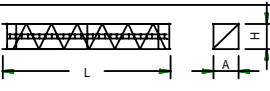
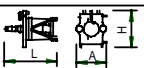

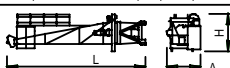
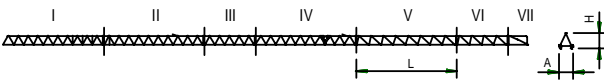



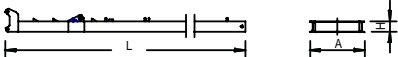


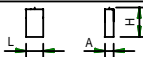


CONTRAPESOS / COUNTERWEIGHTS															2360 kg	1500 kg	Montaje pluma / Jib fitting-up
PLUMA / JIB	52	50	47	45	42	40	37	35	32	30	27	25	22	20			
SR / DR																	
Total (kg)	9440	9440	8580	8580	7720	7720	7080	6860	4500	4720	3860	3860	3000	3000			






LASTRES INFERIORES / LOWER BALLASTS																			
Para alturas intermedias tomar el lastre correspondiente a la altura superior For intermediate heights take the ballast corresponding to the higher height																			
Altura bajo gancho (m) / Height under hook (m)							47	44	40	36	30	22	16						
Número de piedras a colocar Number of ballast blocks to put		Piedras de 4100kg Blocks of 4100 kg					BEX 45 / BTX 45		14	12	10		8		6				
							BEX 38R / BTX 38R		—	14		12		10		8		6	



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DENOMINACION DENOMINATION		L (m)	A (m)	H (m)	Peso (kg) Weight (kg)		
Torre Tower section		TR 8R	8,07	1,19	1,19	2575	
		TN 12R-TR 12R	12,01	1,19	1,19	2915-3715	
		TN 4R	4,15	1,19	1,19	1170	
		TN 2R	2,37	1,19	1,19	770	
Torre asiento de pista+Base punta torre+Orientación. Slewing table+Tower head base+Slewing mechanism		2,96	1,92	2,15	2570		
Estructura punta de torre Tower head structure		6,11	1,20	1,94	1480		
Torre asiento pista+punta torre+orientación Slewing table+Tower head+slewing		8,12	2,03	2,17	4050		
Tramo pluma Jib section		P09-1R(I)	10,13	0,87	1,13	1032	
		P09-2R(II)	10,16	0,87	1,14	940	
		P09-3R(III)	5,27	0,87	1,14	425	
		P09-3N(IV)	10,15	0,87	1,12	880	
		P09-4N(V)	10,15	0,87	1,03	575	
		P09-5N(VI)	5,26	0,87	1,02	295	
		P09-6N(VII)	2,13	0,86	1,02	110	
Polipasto Hook assembly		SR	0,76	0,16	0,96	135	
		DR	1,16	0,35	1,32	210	
Carro Crab		SR	1,00	1,33	0,73	110	
		DR	1,04	1,78	0,88	190	
Soporte y elevación Support and hoisting		EJ 6084 VFA	2,12	2,54	1,90	2525	
Contrapluma con plataformas Counterjib with platforms			11,60	1,49	0,58	1660	
Plataforma y cabina Platform and cabin			3,69	1,63	2,25	820	
Base grúa Crane base		Estacionaria III/Stationary III	BEX 38R	6,38	0,84	1,47	3800
			BEX 45	7,37	0,84	1,47	4380
		Traslación/Travelling	BTX 38R	6,02	1,73	1,73	5230
			BTX 45	7,01	1,62	1,73	5995
Contrapeso Counterweight		Grande / Big		1,08	0,50	2,02	2360
		Pequeño / Small		1,08	0,50	1,30	1500
Lastre Ballast		Est. III-Stationary III / Trasl.-Travelling		4,00	0,34	1,30	4100
		Est. IV / Stationary IV		2,09	0,34	2,10	3450
Torre de montaje Jacking cage			7,14	1,76	1,71	3105	

CARACTERISTICAS DE MECANISMOS / MECHANISMS FEATURES		Para 440V 60Hz Potencias y velocidades: 20% más. Powers and speeds: 20% more			
MECANISMOS MECHANISMS					
	EJ 6084 VFA	TGM 825 VF	OCR 1108 VF	TCM 360 VF	TH 1010
KW	44,1	2 x 2,95	2 x 4	1,8	9,2
VELOCIDADES SPEEDS	SR 825 kg. 0...10 m/min 10...81 m/min 81...162 m/min 1300 kg. 0...10 m/min 10...81 m/min 81...122 m/min DR 1650 kg. 0...5 m/min 5...40,5 m/min 40,5...81 m/min 2600 kg. 0...5 m/min 5...40,5 m/min 40,5...61 m/min 5000 kg. 0...5 m/min 5...40,5 m/min 5...40,5 m/min	0...25 m/min	0...0,2 0,2...0,4 0,4...0,8 r/min	0...15 15...30 30...60 m/min	1 m/min
Max. recorrido gancho Maximum hook course	SR 342 m en 3 capas máx / max. layers	380V 50Hz	Potencia necesaria Required power		59,8 kW
	DR 171 m en 3 capas máx / max. layers				



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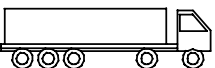
TORRES / TOWERS	ALTURA / HEIGHT (m)	Diagrama de la torre			ALTURA / HEIGHT (m)	TORRES / TOWERS
1	4,5	TN 4R	137.32.000	TN 4R	4,5	1
2	8,5	TN 4R		TN 4R	8,5	2
3	20,3	TN 12R	137.31.000	TN 12R	20,3	3
4	32,1	TN 12R		TN 12R	32,1	4
5	39,9	TR 8R	137.30.000	TR 8R	39,9	5
6	43,6	J90/J85MAC 137.36.000		TN 17/TR 12R 202.36.000		
7	46,6	T 3-90 133.32.000 TD 3-90 133.32.500		TN 17 141.31.000 TND 17 141.31.500	45,3	6
8	49,6	AN 90 AND 90		TR 17A 141.30.400 TRD 17A 141.30.800	62,7	10
		AN 90 133.21.000 AND 90 133.21.800		TR 17 141.30.000 TRD 17 141.30.500	67	11
		AN 17 141.21.000 AND 17/20/23 142.21.800 ANDC 17/20/23 142.21.700		AR 17 141.21.500 ARD 17/20/23 142.21.900 ARDC 17/20/23 142.21.600	71,3	12

CC Con cabina / With cabin
SC Sin cabina / Without cabin

Para otras configuraciones de torre, consultar con nuestro Dpto. Técnico
 For other tower configurations, consult our Technical Dpt.

Transporte grúa de 44 m bajo gancho con estacionaria / 44 m under hook crane transport with stationary /

En camiones / In trucks

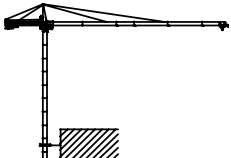


3 unidades / 3 units

En contenedores / In containers

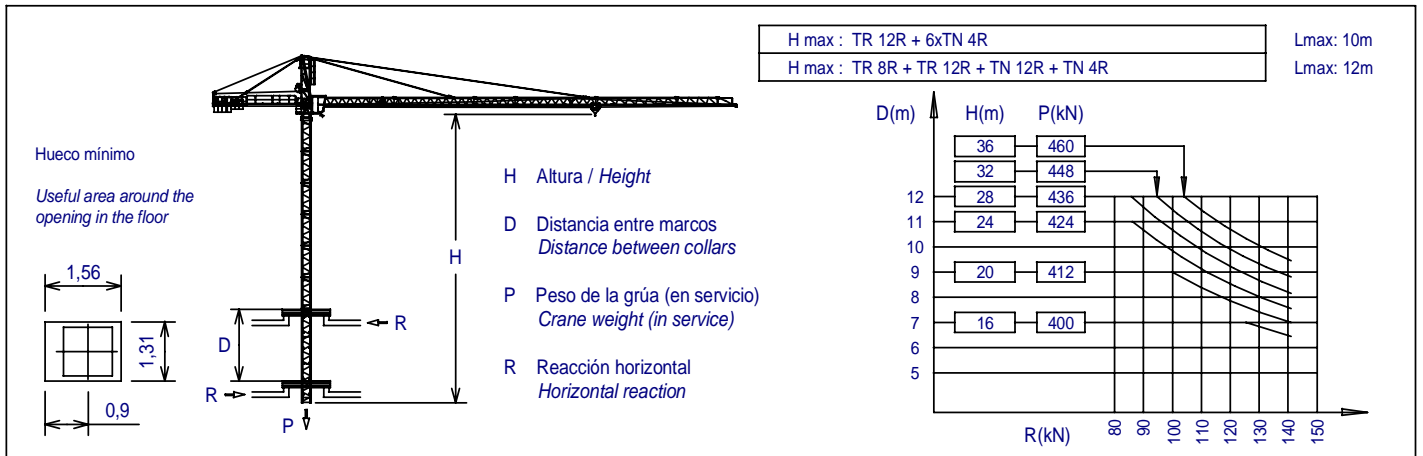
HIGH CUBE 40'

3 unidades / 3 units



Máximo número de torres TN 4R a colocar por encima del último arriostamiento: 8

Maximum TN 4R mast sections above the last tie-back: 8



JASO EQUIPOS DE OBRAS Y CONSTRUCCIONES, S.L.

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Fecha / Date: 25-09-2007

DELEGACION / DELEGATION