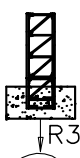


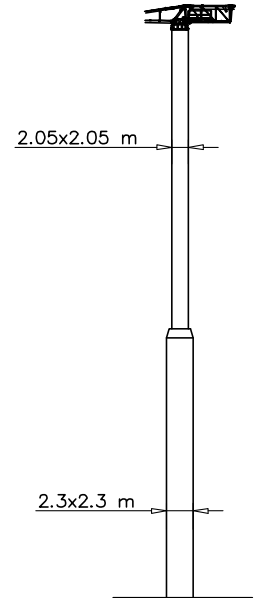


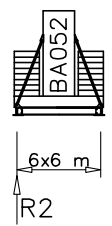
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mästil/Reacciones – Tramo/Reacções

SN2050

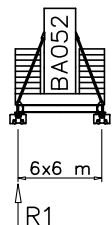
 20 m  $\rightarrow$  80 m

Torre/Masts/Mat/Maste/Mästil/Tramo														
TRO 	H[m]	4f/4f	4f/4f	4f/4f	4f/2f	4f/2f	4f/2f	2f/2f	2f/2f	2f/2f	2f/2f	2f/2f	4f/2f	4f/2f
		BF117	BF052	BF039	SB117	SB052	SB039	ST117	ST052	ST039	STB117	STB039	RA039	SBB039
	53.3	1	2	2		1			5					
	52	2	1		1		1							
	52	3			1			1						
	52		6			1		3						
*	54.6									5	1	1		7
*	54.6									4	1	1		5



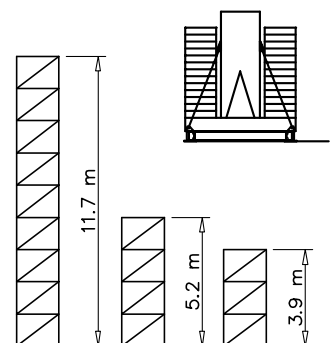
Torre/Masts/Mat/Maste/Mästil/Tramo														
CAF 	H[m]	4f/4f	4f/4f	4f/4f	4f/2f	4f/2f	4f/2f	2f/2f	2f/2f	2f/2f	2f/2f	2f/2f	4f/2f	4f/2f
		BF117	BF052	BF039	SB117	SB052	SB039	ST117	ST052	ST039	STB117	STB039	RA039	SBB039
	58.5	1	2	2		1			5					
	57.2	2	1		1		1							
	57.2	3			1			1						
	57.2		6			1		3						
*	59.8									5	1	1		7
*	59.8									4	1	1		5

H=0–44 m	
R1	135 t
R2	140 t
R3	92 t
M	498 tm
H=45–62 m	
R1	174 t
R2	181 t
R3	119 t
M	637 tm

Torre/Masts/Mat/Maste/Mästil/Tramo														
CATR CATC 	H[m]	4f/4f	4f/4f	4f/4f	4f/2f	4f/2f	4f/2f	2f/2f	2f/2f	2f/2f	2f/2f	2f/2f	4f/2f	4f/2f
		BF117	BF052	BF039	SB117	SB052	SB039	ST117	ST052	ST039	STB117	STB039	RA039	SBB039
	50.7	3			1				1					
	47.9	2				1			2					
	49.4		5			1		4						
*	52										3	1	1	7
*	52										2	1	1	5

Peso zavorra–Ballast weight  
Ballastgewicht–Peso de lastre



H	Tot.
0–44 m	102320 kg
45–59 m	132740 kg

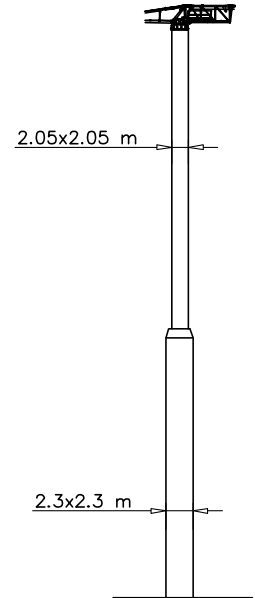


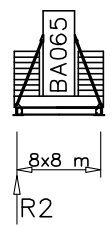
Torre/Reazioni – Masts/Reactions – Mat/Réactions – Maste/Eckdrücke – Mästil/Reacciones – Tramo/Reacções

SP2300

 20 m —> 80 m

Torre/Masts/Mat/Maste/Mästil/Tramo																			
	H[m]	4f/4f BFL117	4f/4f BF117	4f/4f BF052	4f/4f BF039	4f/4f SB117	4f/4f SB052	4f/4f SB039	4f/4f ST117	4f/4f ST052	4f/4f ST039	4f/4f STB117	4f/4f STB039	4f/4f RAO39	4f/4f SBB039	4f/4f SBB117	4f/4f BFB117	4f/4f BFB039	
TRO 	58.5								5										
	57.2									11									
TTD 	41.6									5	4								
	58.5												6	1			1	5	
	58.5												6	1				8	

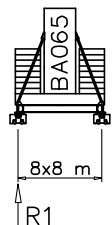


Torre/Masts/Mat/Maste/Mästil/Tramo																			
	H[m]	4f/4f BFL117	4f/4f BF117	4f/4f BF052	4f/4f BF039	4f/4f SB117	4f/4f SB052	4f/4f SB039	4f/4f ST117	4f/4f ST052	4f/4f ST039	4f/4f STB117	4f/4f STB039	4f/4f RAO39	4f/4f SBB039	4f/4f SBB117	4f/4f BFB117	4f/4f BFB039	
CAF 	65								5										
	58.5									10									
	48.1									5	4								
	65												6	1			1	5	
	65												6	1				8	

H=0–49 m	
R1	141 t
R2	152 t
R3	128 t
M	775 tm

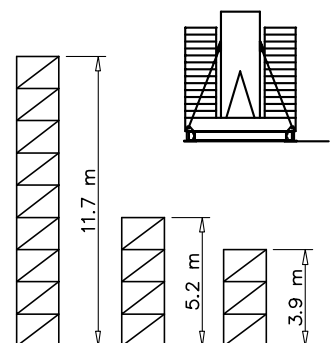
  

H=50–74 m	
R1	181 t
R2	190 t
R3	160 t
M	973 tm

Torre/Masts/Mat/Maste/Mästil/Tramo																			
	H[m]	4f/4f BFL117	4f/4f BF117	4f/4f BF052	4f/4f BF039	4f/4f SB117	4f/4f SB052	4f/4f SB039	4f/4f ST117	4f/4f ST052	4f/4f ST039	4f/4f STB117	4f/4f STB039	4f/4f RAO39	4f/4f SBB039	4f/4f SBB117	4f/4f BFB117	4f/4f BFB039	
CATR CATC 	57.2								4		1								
	55.9									8	2								
	40.3									5	2								
	57.2												4	1			1	5	
	57.2												4	1				8	








Peso zavorra—Ballast weight  
Ballastgewicht—Peso de lastre

H	Tot.
0–44 m	114000 Kg
45–64 m	146000 kg










Curve di carico – Courbes de charges – Load diagrams – LastKurven – Curvas de cargas

Pmax 8000 kg

	29640 kg	80 m	2.7	29.8	30	35	40	45	50	55	60	65	70	75	80
			8000	8000	7900	6700	5700	4950	4350	3850	3400	3050	2750	2500	2000
	29640 kg	78.3 m	2.7	29.8	30	35	40	45	50	55	60	65	70	75	78.3
			8000	8000	7900	6700	5700	4950	4350	3850	3400	3050	2750	2500	2300
	28080 kg	72.7 m	2.7		32.4	35	40	45	50	55	60	65	70	72.7	
			8000		8000	7700	6760	5700	4950	4310	3800	3050	3200	2900	
	26520 kg	67.1 m	2.7			33.5	40	45	50	55	60	65	67.1		
			8000			8000	7400	6430	5550	4880	4350	3860	3530		
	24960 kg	61.5 m	2.7				36.8	40	45	50	55	60	61.5		
			8000				8000	7600	6700	5850	5100	4400	4250		
	23400 kg	55.9 m	2.7					39.2	45	50	55	55.9			
			8000						8000	7100	6000	5320	5200		
	23400 kg	50.3 m	2.7						40.1	45	50	50.3			
			8000							8000	7000	6200	6150		










Pmax 16000/8000 kg

	29640 kg	80 m	2.7	15.5	20	25	29.8	30	35	40	45	50	55	60	65	70	75	80
			16000	16000	12700	9900	8000	7900	6700	5700	4950	4350	3850	3400	3050	2750	2500	2000
	29640 kg	78.3 m	2.7	15.5	20	25	29.8	30	35	40	45	50	55	60	65	70	75	78.3
			16000	16000	12700	9900	8000	7900	6700	5700	4950	4350	3850	3400	3050	2750	2500	2300
	28080 kg	72.7 m	2.7		17.8	20	25	30	32.4	35	40	45	50	55	60	65	70	72.7
			16000		16000	14350	11280	9200	8000	7700	6760	5700	4950	4310	3800	3050	3200	2900
	26520 kg	67.1 m	2.7		18.6	20	25	30	35	33.5	40	45	50	55	60	65	67.1	
			16000		16000	15300	12050	9880	8300	8000	7400	6430	5550	4880	4350	3860	3530	
	24960 kg	61.5 m	2.7		19.4	20	25	30	35	36.8	40	45	50	55	60	61.5		
			16000		16000	15800	12570	10450	8850	8000	7600	6700	5850	5100	4400	4250		
	23400 kg	55.9 m	2.7			20.5	25	30	35	39.2	45	50	55	55.9				
			16000			16000	13250	10800	9050	8000	7100	6000	5320	5200				
	23400 kg	50.3 m	2.7				21.3	25	30	35	40	40.1	45	50	50.3			
			16000			16000	13740	11400	9550	8050	8000	7000	6200	6150				



Pmax 12000/6000 kg

	29640 kg	80 m	2.7		19	20	25	29.8	30	35	40	45	50	55	60	65	70	75	80
			12000		12000	12700	9900	8000	7900	6700	5700	4950	4350	3850	3400	3050	2750	2500	2000
	29640 kg	78.3 m	2.7			23	25	29.8	30	35	40	45	50	55	60	65	70	75	78.3
			12000			12000	9900	8000	7900	6700	5700	4950	4350	3850	3400	3050	2750	2500	2300
	28080 kg	72.7 m	2.7				23	30	32.4	35	40	45	50	55	60	65	70	72.7	
			12000			12000	9200	8000	7700	6760	5700	4950	4310	3800	3050	3200	2900		
	26520 kg	67.1 m	2.7				25	30	35	33.5	40	45	50	55	60	65	67.1		
			12000			12000	9880	8300	8000	7400	6430	5550	4880	4350	3860	3530			
	24960 kg	61.5 m	2.7				24	30	35	36.8	40	45	50	55	60	61.5			
			12000			12000	10450	8850	8000	7600	6700	5850	5100	4400	4250				
	23400 kg	55.9 m	2.7					26	30	35	39.2	45	50	55	55.9				
			12000			12000	10800	9050	8000	7100	6000	5320	5200						
	23400 kg	50.3 m	2.7					28	30	35	40	40.1	45	50	50.3				
			12000			12000	11400	9550	8050	8000	7000	6200	6150						



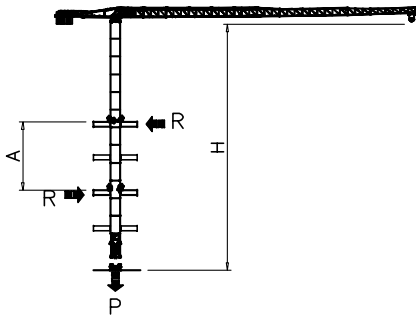
PESI E INGOMBRI – PACKING LIST – LISTE DE COLISAGE – GEWICHT UND ABMESSUNGEN

Denominazione Description	Disegno Draw	Pezzi Pieces	Dimensioni-Dimensions (mm)			Peso-Weight (kg)		
			L	W	H	Unit	Total	
Elemento di braccio Jib element Elément de èche Elemento de flecha (80 m jib version)	n°14		1	6230	1540	2320	3737	–
	n°13		1	6000	1500	2320	2439	–
	n°12		1	5960	1500	2250	2408	–
	n°11		1	5960	1500	2230	1894	–
	n°10		1	5860	1500	2216	1633	–
	n°9		1	5875	1500	2196	1392	–
	n°8		1	5840	1500	2176	1229	–
	n°7		1	5830	1500	1730	1025	–
	n°6		1	5820	1500	1700	913	–
	n°5		1	5800	1500	1670	766	–
	n°4		1	5775	1500	1600	610	–
	n°3		1	5740	1500	1600	475	–
	n°2		1	5736	1500	1280	377	–
	n°1		1	6000	1500	1280	275	–
	n°1/A con punta braccio		1	2200	1500	1280	165	–
Contorbraccio completo Complete counterjib Contreflèche complète Contraflecha completa		5000 Kg (V100-130)	1	9500	2400	2010	10000	–
Gruppo girevole Slewing group Table tournante Grupo giratorio		SP2300	–	3035	2230	2370	9500	–
		SN2050	–	3035	2230	2370	9000	–
Carrello Trolley Chariot Carretilla	P16		1	1970	1910	815	600	–
Ballatoio con cabina Access balcony with cabin Porte cabine Balcón corrido con cabina			1	2500	2150	2450	1000	–
Blocchi contrappeso Counterweight block Contre-poids Bloques de contrapeso		VS15	2	1000	200	3550	1560	3120
		VX32	7	1000	400	3550	3120	21840

PESI E INGOMBRI – PACKING LIST – LISTE DE COLISAGE – GEWICHT UND ABMESSUNGEN

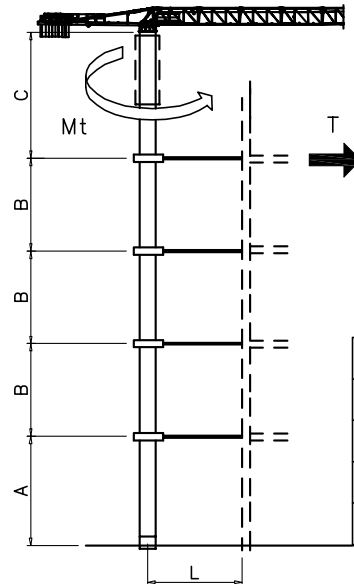
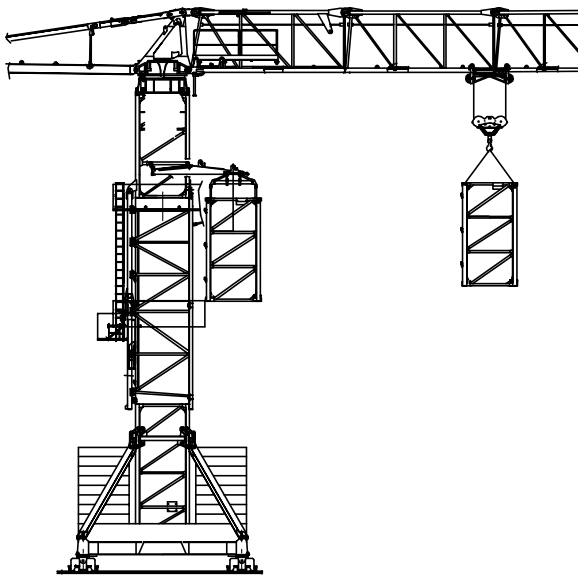
Denominazione Description	Disegno Draw	Pezzi Pieces	Dimensioni-Dimensions (mm)			Peso-Weight (kg)		
			L	W	H	Unit	Total	
Controbraccio counterjib Contrefleche Contraflecha			11500	2360	1600	6000		
Elemento di torre Mast element Elément de mature Elemento de torre	STD039	SP2300	-	3900	2360	2360	2603	-
		SN2050	-	3900	2110	2110	2320	-
	STD052	SP2300	-	5200	2360	2360	3198	-
		SN2050	-	5200	2110	2110	2850	-
	STD117	SP2300	-	11700	2360	2360	6475	-
		SN2050	-	11700	2110	2110	5790	-
	SB039	SP2300	-	3900	2360	2360	3031	-
		SN2050	-	3900	2110	2110	2710	-
	SB052	SP2300	-	5200	2360	2360	3470	-
		SN2050	-	5200	2110	2110	3350	-
	SB117	SP2300	-	11700	2360	2360	7830	-
		SN2050	-	11700	2110	2110	7000	-
BF039	SP2300	-	3900	2360	2360	4210	-	
	SN2050	-	3900	2110	2110	3770	-	
BF052	SP2300	-	5200	2360	2360	4340	-	
	SN2050	-	5200	2110	2110	3880	-	
BF117	SP2300	-	11700	2360	2360	9150	-	
	SN2050	-	11700	2110	2110	8180	-	
Elemento di base Base element Mat de base Elemento de base		SP2300	1	6500	2360	2360	4220	-
		SN2050	1	5200	2260	2260	4040	-
Carro di base Base carriage Chassis de base Cruceta de base		8x8	1	11830	670	780	3340	3340
		6x6	1	8870	670	780	2500	2500
		8x8	2	5760	420	780	1600	3200
		6x6	2	4320	420	780	1200	2400
Puntoni di base Rafter Jambes de force Cabrios de base		8x8	4	6080	420	300	560	2240
		6x6	4	4560	420	300	420	1680
Elemento a perdere Disposable frame Chassis a perdre Bastidor desechable		SP2300	1	3000	2360	2360	2350	-
		SN2050	1	2600	2260	2260	2030	-
Elemento recuperabile Recoverable frame Chassis récupérable Bastidor recuperable		SP2300	1	1300	2900	2900	2100	-
		SN2050	1	1300	2620	2620	1860	-
Bogie di traslazione Driven bogie Boggie motorisèe Balancin de traslaciòn			4	1160	700	600	700	2800
Blocco zavorra di base Base ballast block Lest de base Blaque de lastre		8x8	2	8300	1200	600	11900	23800
		6x6	2	6400	1200	600	10600	21200
		8x8	-	6400	1600	300	5700	-
		6x6	-	4800	2000	300	5070	-
Corsoio di montaggio Climbing cage Cage de montage Jaula de montaje		SP2300	1	8300	3250	3000	7500	-
		SN2050	1	8300	2900	2700	6700	-

GRU IN CAVEDIO – TELESCOPAGE SUR DALLES – CLIMBING CRANE – KLETTERKRANE IM GEBAUDE



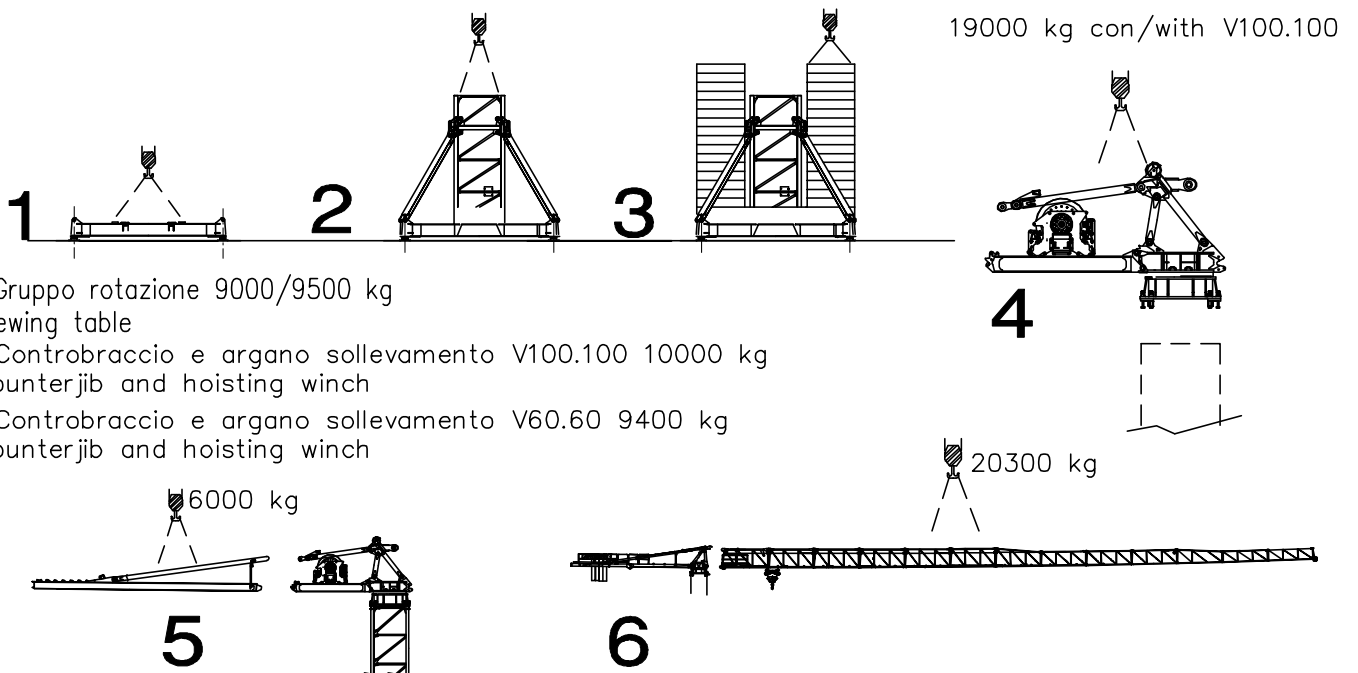
SN2050	H (m)	A (m)	R (t)	P (t)
	9	45.3		
	10	42		
	11	39.3		
	12	37		
	13	35		
	14	33.4		
	15	32		
	16	30.7		
	17	29.6		
	18	28.6		
Apertura passaggio gru Opening for crane passing 	19	27.8		
	20	27		

\* SOPRALZO IDRAULICO – TELESCOPABLE – EXTERNAL CLIMBING – KLETTERKRANE



	SP2300	SN2050
C	31.2 m	31.2 m.
B	19.5 m	19.5 m
A	56 m	50 m
T	23.4 t	27.5 t
MT	26 t xm	26 t xm

Montaggio – Montage – Erection – Montage – Montaje – Montagem



– Gruppo rotazione 9000/9500 kg  
Slewing table

– Controbraccio e argano sollevamento V100.100 10000 kg  
Counterjib and hoisting winch

– Controbraccio e argano sollevamento V60.60 9400 kg  
Counterjib and hoisting winch

6000 kg

20300 kg

19000 kg con/with V100.100

Meccanismi – Mechanisms – Mécanismes – Antriebe – Mecanismos

Sollevamento V75.60 Hoisting Levage Heben Elevaciõn Elevaçao														V75.60 55 kW 85 kVA  270 m
	m/min	2	20	31	46	60	72	1	10	15	23	30	36	
	t	8	8	7	4.5	3	1.4	16	16	14	9	6	2.8	

Sollevamento V100.100 Hoisting Levage Heben Elevaciõn Elevaçao														V100.100 75 kW 110 kVA  360 m 750 m (L)
	m/min	4	21	40	64	86	100	2	10	20	32	43	50	
	t	8	8	8	5.5	3.8	2	16	16	16	11	7.6	4	

Sollevamento V100.130 Hoisting Levage Heben Elevaciõn Elevaçao														V100.130 75 kW 110 kVA  360 m 750 m (L)
	m/min	6	28	54	86	115	130	3	14	27	43	57	65	
	t	6	6	6	4	2.8	1.4	12	12	12	8	5.6	2.8	

Carrello Trolleying Distribution Katzfahren Distribuciõn Distribuiçao			0 → 80 0 → 120 OP	m/min	7.5 kW	Potenza elettrica necessaria Puissance électrique nécessaire Necessary electric power Anschlusswert – Potencia
Rotazione Slewing Orientation Schwenken Orientaciõn Rotaçao			0 → 0,9	giri/min tr/min rp/min	16 kW @ 1200rpm n° 4 x 4 kW	
Traslazione Travelling Translation Kranfahren Traslaciõn Traslaçao			0 → 20	m/min	9 kW	

Rete elettrica – Réseau – Mains supply – Netzstrom – Red – Rede electrica 400V – 50 Hz

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