

CARLO RAIMONDI

Tower Crane ER240

City Crane MR45
Luffing Jib Crane

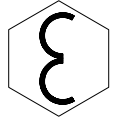
ER240

Frutto di una costante ricerca che ha portato all'elaborazione di un prodotto innovativo e dalle performance indiscutibili. È una gru per grandi cantieri, disponibile in molte versioni pensate per rispondere a tutte le esigenze di lavoro: traslante, fissa, rampante, con torri modulari e capaci di raggiungere 70 metri di altezza libera sottogancio. Il braccio arriva fino ad una lunghezza di 75 metri, e può essere equipaggiato con argani differenti, dai più veloci a quelli di alta precisione. La cabina, spaziosa ed ergonomica, offre all'operatore il giusto comfort per operare in tutta sicurezza.

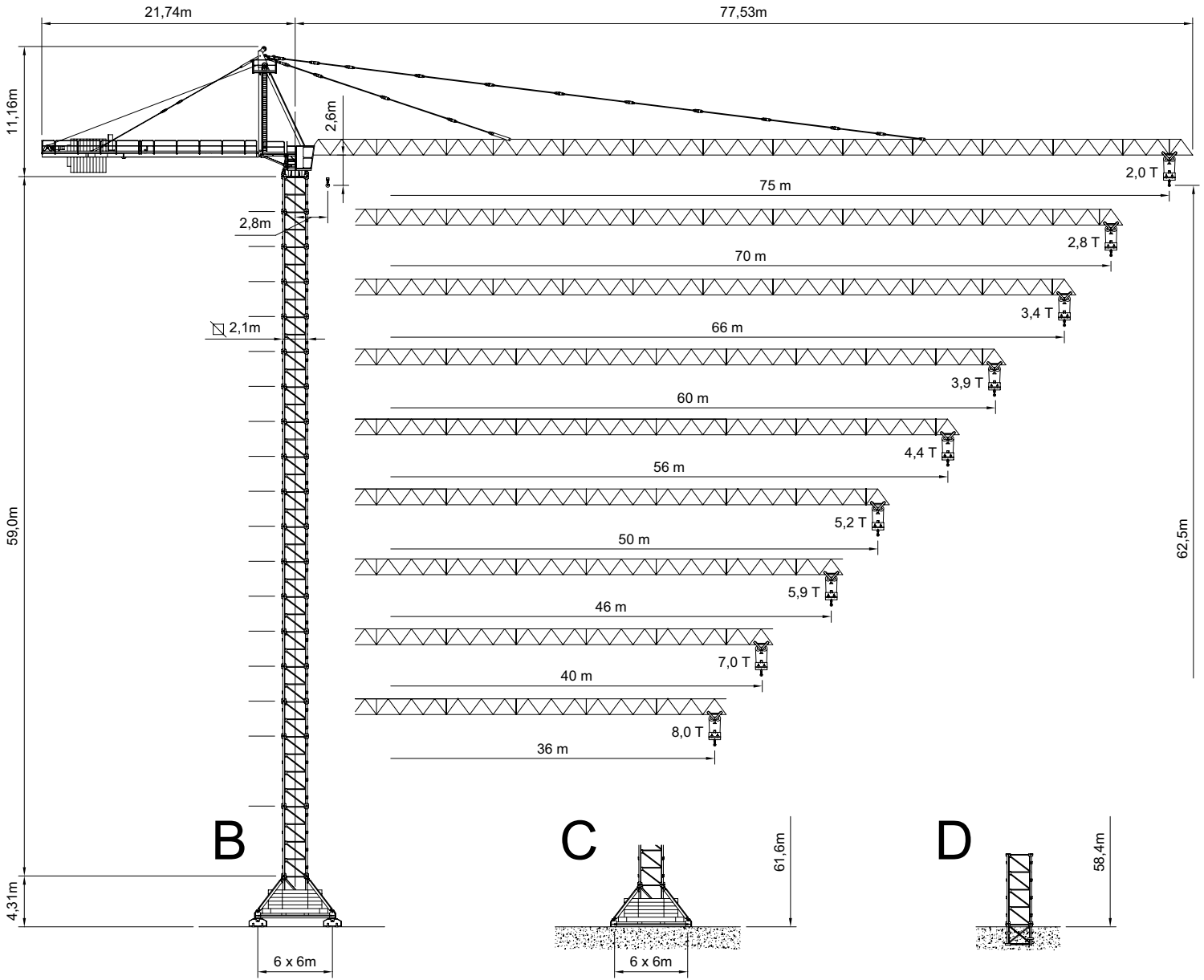
ER240

Result of a constant research that led to the elaboration of an innovative product with unquestionable performances, this crane has been designed for big building yards. It is available in many versions created to satisfy the different work requirements: travelling, fixed, rampant, with modular towers and able to reach 70 m. of under-hook height. The jib has max. 75 m. length and can be equipped with different winches ranging from the fastest ones to the most precise ones. The cabin, spacious and ergonomic, offers the best comfort so that the operator can work in safety conditions.

ER 240 GRU A TORRE TOWER CRANE



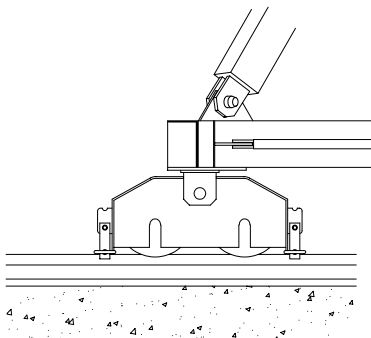
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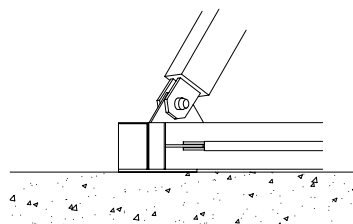
B

C

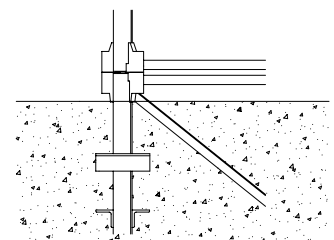
D



B








C



D

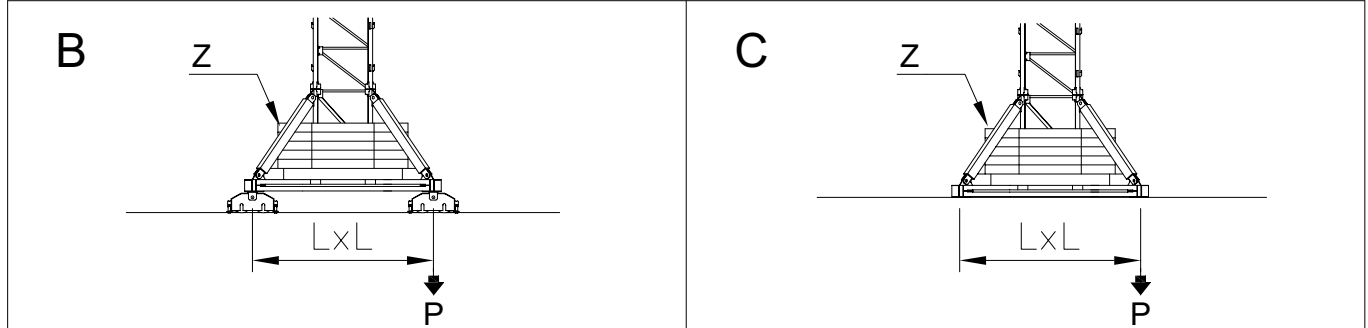
RAGGI E PORTATE
RADIUS AND S.W.L.
PORTEE ET CHARGE
AUSLADUNG UND TRAGFAHIGKEIT

Portata max / Max s.w.l. Charge maxi / Max. Tragfähigkeit		12000 kg.  / 6000 kg. 										14000 kg.  / 7000 kg. 									
Sbraccio / Radius Ausladung / Portée	m.	36	40	46	50	56	60	66	70	75	36	40	46	50	56	60	66	70	75		
Campo di portata max da Max s.w.l. range from Charge maxi de Max. Tragfähigkeit von	2,8 m a to à bis	25,3	24,6	24,1	23,5	23,0	22,3	22,0	20,2	17,1	22,1	21,4	21,0	20,6	20,1	19,5	19,3	17,7	15,0		
Sbraccio (m.) Radius (m.) Portée (m.) Ausladung (m.)		15	12000	12000	12000	12000	12000	12000	12000	12000	12000	14000	14000	14000	14000	14000	14000	14000	14000	14000	
		16	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	14000	14000	14000	14000	14000	14000	14000	14000	13179
		18	12000	12000	12000	12000	12000	12000	12000	12000	11486	14000	14000	14000	14000	14000	14000	14000	14000	13874	11485
		20	12000	12000	12000	12000	12000	12000	12000	12000	10148	14000	14000	14000	14000	14000	13744	13555	12285	10148	
		22	12000	12000	12000	12000	12000	12000	12000	10999	9066	14000	13672	13392	13058	12710	12319	12148	10999	9605	
		24	12000	12000	12000	11817	11500	11142	10986	9937	8171	12809	12378	12122	11816	11499	11142	10985	9937	8171	
		26	11687	11290	11055	10774	10482	10153	10010	9045	7420	11687	11290	11054	10773	10482	10153	10009	9044	7420	
		28	10731	10364	10146	9885	9615	9311	9178	8284	6780	10731	10363	10154	9885	9615	9310	9177	8284	6780	
		30	9907	9565	9362	9120	8868	8585	8461	7629	6229	9907	9565	9362	9119	8868	8584	8460	7628	6228	
		32	9189	8869	8679	8453	8218	7952	7836	7058	5707	9189	8869	8679	8452	8217	7952	7836	7058	5776	
		34	8559	8258	8079	7867	7646	7396	7288	6557	5320	8558	8257	8079	7866	7645	7396	7287	6642	5382	
		36	8000	7716	7548	7347	7139	6904	6802	6112	4978	8000	7716	7548	7347	7139	7000	6933	6221	5033	
		38		7233	7074	6884	6687	6465	6368	5803	4672		7233	7074	7000	6891	6648	6519	5846	4722	
		40		6800	6649	6469	6282	6071	6000	5471	4398		7000	6948	7000	6501	6270	6148	5509	4443	
	42			6265	6094	6000	5907	5784	5171	4151			6565	7000	6149	5929	5813	5205	4191		
	44			6000	6000	5816	5601	5483	4900	3927			6217	6026	5829	5619	5509	4929	3962		
	46			5900	5722	5527	5322	5210	4652	3722			5900	5726	5538	5338	5232	4678	3754		
	48				5450	5263	5067	4960	4425	3535				5452	5271	5080	4978	4448	3563		
	50				5200	5021	4833	4730	4217	3363				5200	5027	4843	4746	4237	3388		
	52					4798	4617	4518	4026	3205					4801	4625	4531	4043	3227		
	54					4591	4418	4322	3848	3059					4593	4423	4333	3863	3078		
	56					4400	4233	4140	3684	2923					4400	4236	4149	3696	2940		
	58						4060	3972	3531	2727						4062	3978	3541	2811		
	60						3900	3814	3389	2679						3900	3819	3396	2692		
	62							3667	3255	2569							3670	3261	2580		
	64								3529	3131	2467						3530	3135	2475		
	66								3400	3014	2370						3400	3016	2376		
	68									2904	2279							2905	2284		
70									2800	2194							2800	2197			
72										2113								2115			
74										2037								2037			
75										2000								2000			

BRACCIO E CONTRAPPESO
JIB AND COUNTERWEIGHT
FLECHE ET CONTREPOIDS
AUSLEGER UND GEGENGEWICHTSBALLAST

Braccio / Jib Flèche / Ausleger	(m)	36	40	46	50	56	60	66	70	75
Contrappeso / Counterweight Contreponds / Gegengewicht	(t)	10,110	10,110	12,132	13,428	16,176	17,462	20,220	21,516	23,538
Composizione Composition Komposition	Tipo / Type	Quantità / Quantity / Nombre / Anzahl								
	AW	5	5	6	6	8	8	10	10	11
	BW				1		1		1	1

ALTEZZA SOTTO-GANCIO, ZAVORRA DI BASE, REAZIONI
 H.U.H., MAX. BASE BALLAST AND CORNER PRESSURE
 H.S.C., LEST DE BASE MAXI ET REACTIONS
 HAKENHOHEN, MAXIMALE ZENTRALBALLASTE UND ECKKRAFT

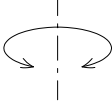

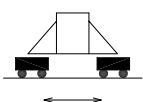


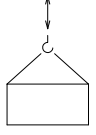


SU BASE / ON CROSS BASE L = 6 m
 SUR CHASSIS / AUF KREUZRAHME

H (m)	max. Z (t)	P (kN)	H (m)	max. Z (t)	P (kN)
21,2	64,16	589	20,3	64,16	580
24,15	64,16	599	23,25	64,16	590
27,1	70,62	609	26,2	70,62	600
30,05	70,62	621	29,15	70,62	612
33,0	70,62	649	32,1	70,62	639
35,95	70,62	662	35,05	70,62	652
38,9	70,62	675	38,0	70,62	665
41,85	77,08	707	40,95	77,08	696
44,8	77,08	723	43,9	77,08	709
47,75	83,54	756	46,85	83,54	745
50,7	83,54	820	49,8	83,54	808
53,65	83,54	878	52,75	83,54	865
56,6	83,54	939	55,7	83,54	925
59,55	90,0	1003	58,65	90,0	988
62,5	90,0	1088	61,6	90,0	1072

SU PLINTO / STATIONARY
 SUR PIEDS DE SCELLEMENT / STATIONAR

D	H (m)	25,95	28,9	31,85	34,8	37,75	40,7	43,65	46,6	49,55	52,5	55,45	58,4
	T (kN)	712	729	749	770	792	815	840	866	885	1011	1143	1281
	P (kN)	1027	1053	1081	1110	1141	1172	1204	1238	1294	1429	1570	1717
	q max. (Kg/cm ²)	1,04	1,07	1,09	1,11	1,14	1,17	1,20	1,23	1,31	1,45	1,62	1,82
Booster	H (m)	61,35	64,3										
	T (kN)	1690	1863										
	P (kN)	2127	2309										
	q max. (Kg/cm ²)	1,94	2,22										
B	Passo delle ruote - Wheel gauge Empattement - Radstand	6,0 m											
	Scartamento delle vie di corsa - Track gauge Ecartement de la voie - Spurweite	6,0 m											
	Raggio interno della rotaia - Interior curve radius Rayon de courbe intérieure - Innenkurvenradius	12,0 m											

		Velocità / Speed / Vitesse / Geschwindigkeit	Potenza / Power / Puissance / Leistung
Rotazione Slewing Orientation Schwenken		0,26 / 0,48 / 0,7 min ⁻¹	4 x 4 Kw
Carrello Trolley Chariot Katzfahren		27 / 54 m/min	6,6 Kw
		13 / 35 / 56 m/min Progressivo - Progressive	6,6 Kw
Traslazione Rail Translation Kranfahren		19 m/min	4 x 4 Kw

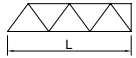

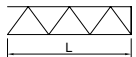



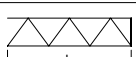

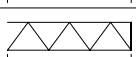



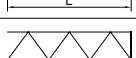



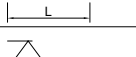

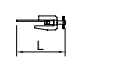

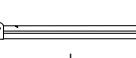



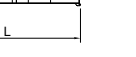

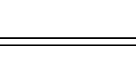

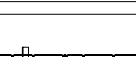

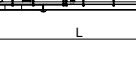



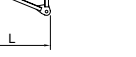

Argano Winch Treuril Hubwerk		Marcia Step Vitesse Gang	Carico / velocità - Load / speed Charge / vitesse - Tragfähigkeit / Geschwindigkeit	
				
Tipo Type Type Typ	(*) 33 HP 24,3 Kw - 10	1	5000 Kg - 5,7 m/min	10000 Kg - 2,8 m/min
		2	5000 Kg - 23 m/min	10000 Kg - 11,5 m/min
		3	2500 Kg - 46 m/min	5000 Kg - 23 m/min
	(*) 33 HP 24,3 Kw - 10VF	1	5000 Kg - 5,7 m/min	10000 Kg - 2,8 m/min
		2	5000 Kg - 23 m/min	10000 Kg - 11,5 m/min
		3	2500 Kg - 46 m/min	5000 Kg - 23 m/min
		4	1800 Kg - 54 m/min	3600 Kg - 27 m/min
	(*) 50 HP 37 Kw - 10VF INVERTER	1	5000 Kg - 3 m/min	10000 Kg - 1,5 m/min
		2	5000 Kg - 16 m/min	10000 Kg - 8 m/min
		3	5000 Kg - 32 m/min	10000 Kg - 16 m/min
		4	3000 Kg - 50 m/min	6500 Kg - 25 m/min
		5	2100 Kg - 68 m/min	4600 Kg - 34 m/min
	60 HP 45 Kw - 12VF INVERTER	1	6000 Kg - 4 m/min	12000 Kg - 2 m/min
		2	6000 Kg - 18 m/min	12000 Kg - 9 m/min
		3	6000 Kg - 34 m/min	12000 Kg - 17 m/min
		4	3200 Kg - 63 m/min	6780 Kg - 32 m/min
		5	2070 Kg - 93 m/min	4440 Kg - 46 m/min
	60 HP 45 Kw - 14VF INVERTER	1	7000 Kg - 3 m/min	14000 Kg - 1,5 m/min
		2	7000 Kg - 15 m/min	14000 Kg - 8 m/min
		3	7000 Kg - 28 m/min	14000 Kg - 14 m/min
		4	3570 Kg - 53 m/min	7540 Kg - 27 m/min
		5	2410 Kg - 76 m/min	5100 Kg - 38 m/min
	102 HP 75 Kw - 12VF INVERTER	1	12000 Kg - 3 m/min	
		2	12000 Kg - 30 m/min	
3		6380 Kg - 58 m/min		
4		4028 Kg - 88 m/min		
5		2935 Kg - 115 m/min		

Conforme alla direttiva CEE 84/534 sul livello acustico - In compliance with the EEC 84/534 instruction on noise level - Conforme à directive CEE 84/534 sur le niveau acoustique
Gemäss EWG 84/534 über Schall - Leistungspegel - Conforme con la directive CEE 84/534 sobre el nivel acustico.

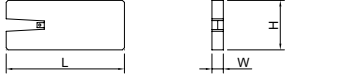
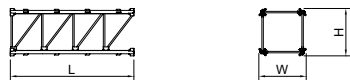


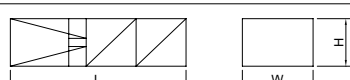
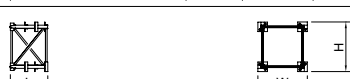

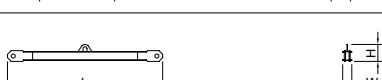
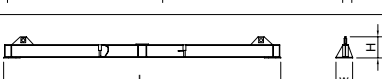



FORZA MOTRICE TOTALE TOTAL INSTALLED POWER PUISSANCE TOTALE DES MOTEURS GESAMT-MOTORENLEISTUNG	(*) 24,3 Kw (33HP)	(*) 37 Kw (50HP)	45 Kw (60HP)	75 Kw (102HP)
	65 Kw	80 Kw	85 Kw	115 Kw

(*) Portata max. della gru limitata a 10 t - Maximun load of crane limited to 10 t - Charge maxi limitée à 10 tonnes - Max. Tragfähigkeit begrenzt auf 10 t.

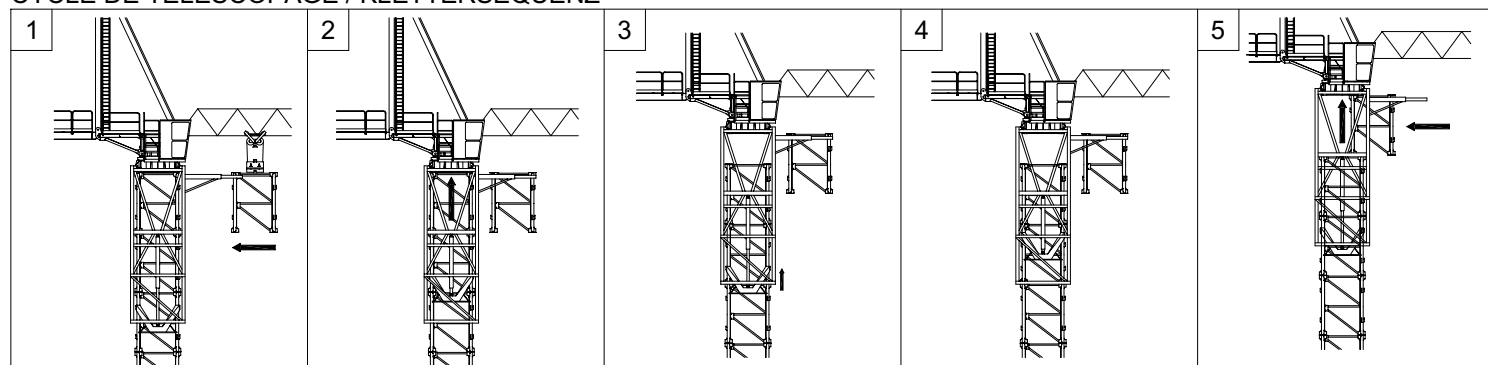
LISTA DEI PESI / PACKING LIST
LISTE DE COLISAGE / KOLLI-LISTE

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight (Kg)			
				L	W	H	Unit.	Total.		
1	1	Elemento di freccia Jib element Elément de flèche Ausleger	N°1			6,200	1,500	1,670	941	941
	2		N°2-5			6,240	1,500	1,670	895	1790
	1		N°3			4,240	1,500	1,670	602	602
	1		N°4			6,240	1,500	1,670	1000	1000
	4		N°6-7 7A-8			6,240	1,500	1,650	745	2235
	1		N°9			6,240	1,500	1,650	813	813
	2		N°10-11			6,240	1,500	1,630	560	1120
	1		N°12			4,200	1,500	1,610	328	328
	1		N°13			2,210	1,500	1,610	178	178
			1	Puntale Jib point Elément de pointe Spitzelement			0,740	1,510	0,340	78
2	1	Cuspide A frame Pointe Turmspitze			9,500	1,550	0,800	3500	3500	
3	1	Elemento controfreccia esterno porta argano sollevamento External counterjib section with hoisting winch Contreflèche extérieure porte treuil Externes Gegenauslegerteil mit Hubgewinde			7,100	2,270	2,040	3600	3600	
4	1	Elemento interno controfreccia Internal counterjib section Contreflèche intérieure Internes Gegenauslegerteil			11,830	2,270	1,100	2100	2100	
5	1	Controfreccia completa Complete counterjib Contreflèche complète Gegenausleger komplett			18,830	2,270	2,040	7000	7000	
6	1	Coda telaio girevole Switchboard support frame Support de l'armoire électrique Rahmen bei Drehgestell			2,470	1,700	2,530	1300	1300	
7	1	Gruppo rotazione Slewing table Table tournante Drehgruppe			2,300	2,540	2,270	5500	5500	
8	1	Ballatoio cabina, cabina Access balcony, cabin Porte cabine Wartung plattform			2,400	2,000	2,300	750	750	
8	1	Assieme montato pos.6-7-8 Assembly of pos.6-7-8 Groupe 6-7-8 Zusammenbau der teile 6-7-8			4,890	4,240	3,350	8000	8000	

LISTA DEI PESI / PACKING LIST
LISTE DE COLISAGE / KOLLI-LISTE

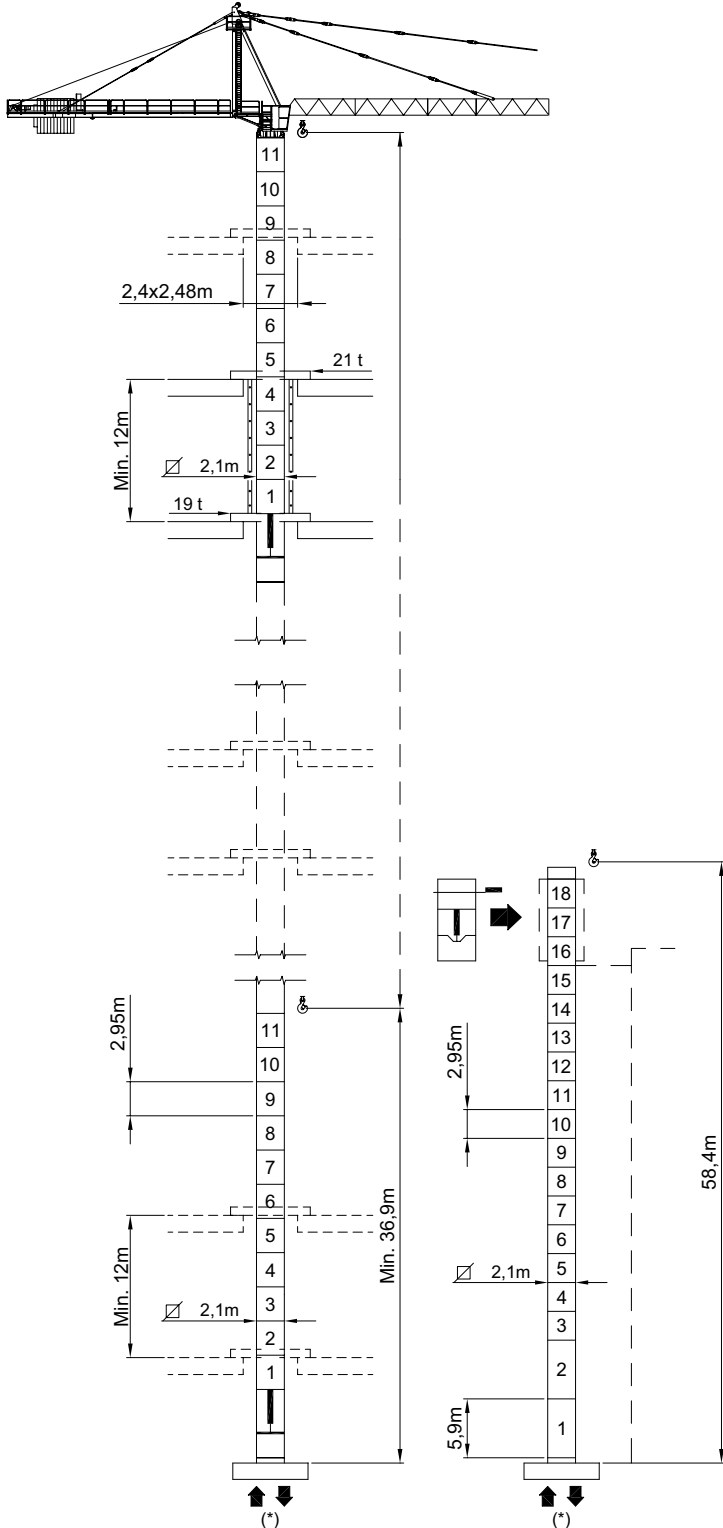
Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight (Kg)		
				L	W	H	Unit.	Total.	
10	11	Blocchi di contrappeso Counterweight blocks Contre-poids Gegengewichtsblöcke		AW	2,870	1,200	0,275	2022	22242
	BW			1,815	1,200	0,275		1296	
11	-	Elemento di torre Tower element Elément de mature Turmstück			6,000	2,300	2,300		3450
12	-				3,000	2,300	2,300		1900
13	1	Elemento di base Base element Mat de base Turmbasiselement			3,000	2,400	2,400		1950
14	1	Gabbia di motaggio Climbing cage Cage de montage Hydraulikbühne			8,530	3,100	2,300		7670
15	1	Tronchetto di fondazione Expandable foundation element Elément a sceller Fundamentanker			1,820	2,400	2,400		1370
16	4	Gambe di fondazione Fixing angles Pieds de scellement Fundamentstempel			1,820	0,470	0,470	280	1120
17	4	Puntoni di base Oblique legs Jambes de force Basisdruckstäben			3,770	0,230	0,260	340	1360
18	1	Trave principale della crociera di base Base main beam Poutre de chassis de base Hauptträger für Kreuzgelenk			8,900	0,720	0,760		1650
19	2	Semitrave della crociera di base Half base beam Semipoutre de chassis de base Halbräger für Kreuzgelenk			4,350	0,600	0,760	750	1500
20	4	Bilancino di traslazione motorizzato Driven bogie Boggie motorisée Fahrschemel mit Motorantrieb			1,750	0,705	0,790	1000	4000
21	24	Blocco di zavorra Base ballast block Lest base Grundballastblöcken		3G	4,200	0,320	1,400	3230	77520
	2			3H	5,200	0,400	1,400	6240	12480

SEQUENZA DI SOPRALZO / CLIMBING SEQUENCE
CYCLE DE TELESCOPAGE / KLETTERSEQUENZ



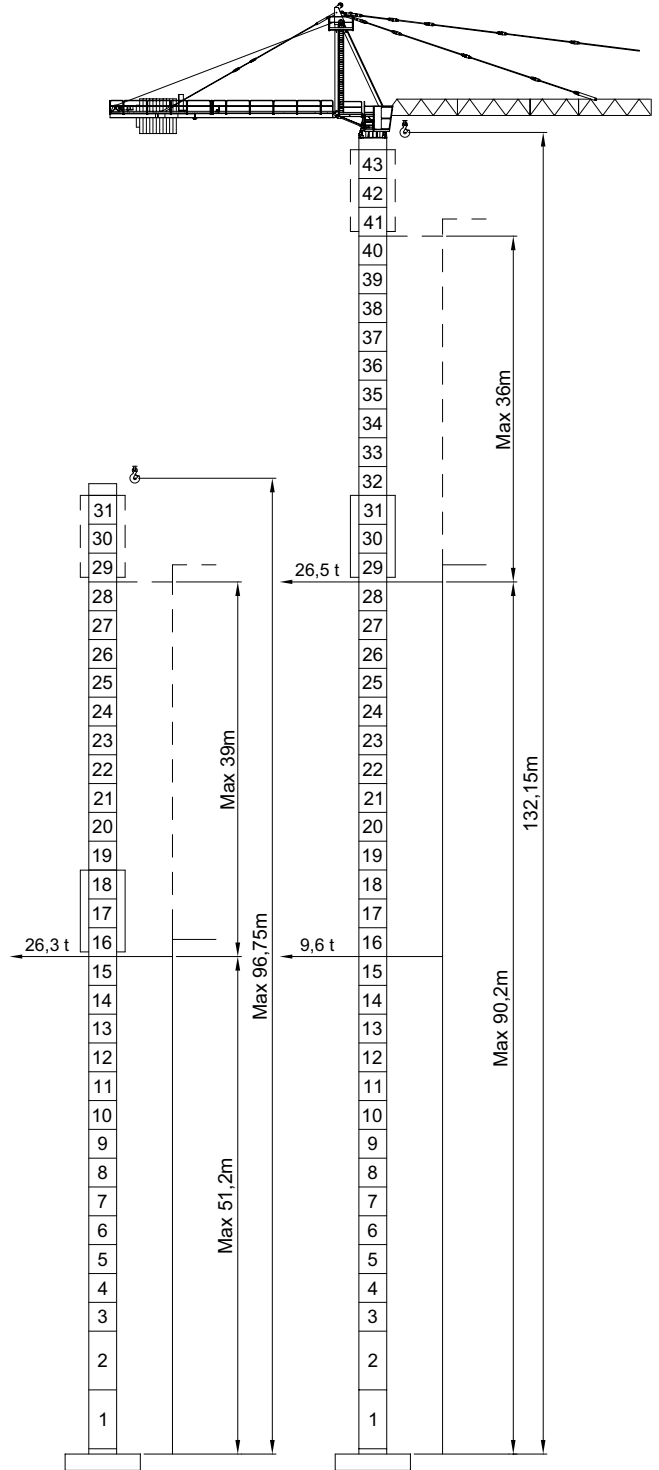
ER 240 RI

RAMPANTE
FLOOR CLIMBING
TELESCOPABLE SUR DALLES
KLETTERKRANE IM GEBAUDE



ER 240 HC

A SOPRALZO IDRAULICO
EXTERNAL CLIMBING
TELESCOPABLE
KLETTERKRANE



* Vedi tabella a pag. 4 - See table at page 4 - Voir table à la page 4 - Siehe tafel an seite 4

