

CARLO RAIMONDI



Tower Crane

City Crane **MR210**

Luffing Jib Crane

MR210

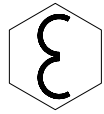
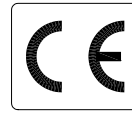
Ultima nata della famiglia City Cranes, ha un braccio di 66mt e offre il meglio per quanto riguarda semplicità, efficienza ed affidabilità. Per altezze e impieghi particolari è disponibile una versione con la Torre GR5.

MR210

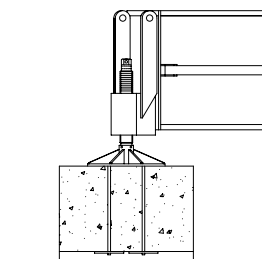
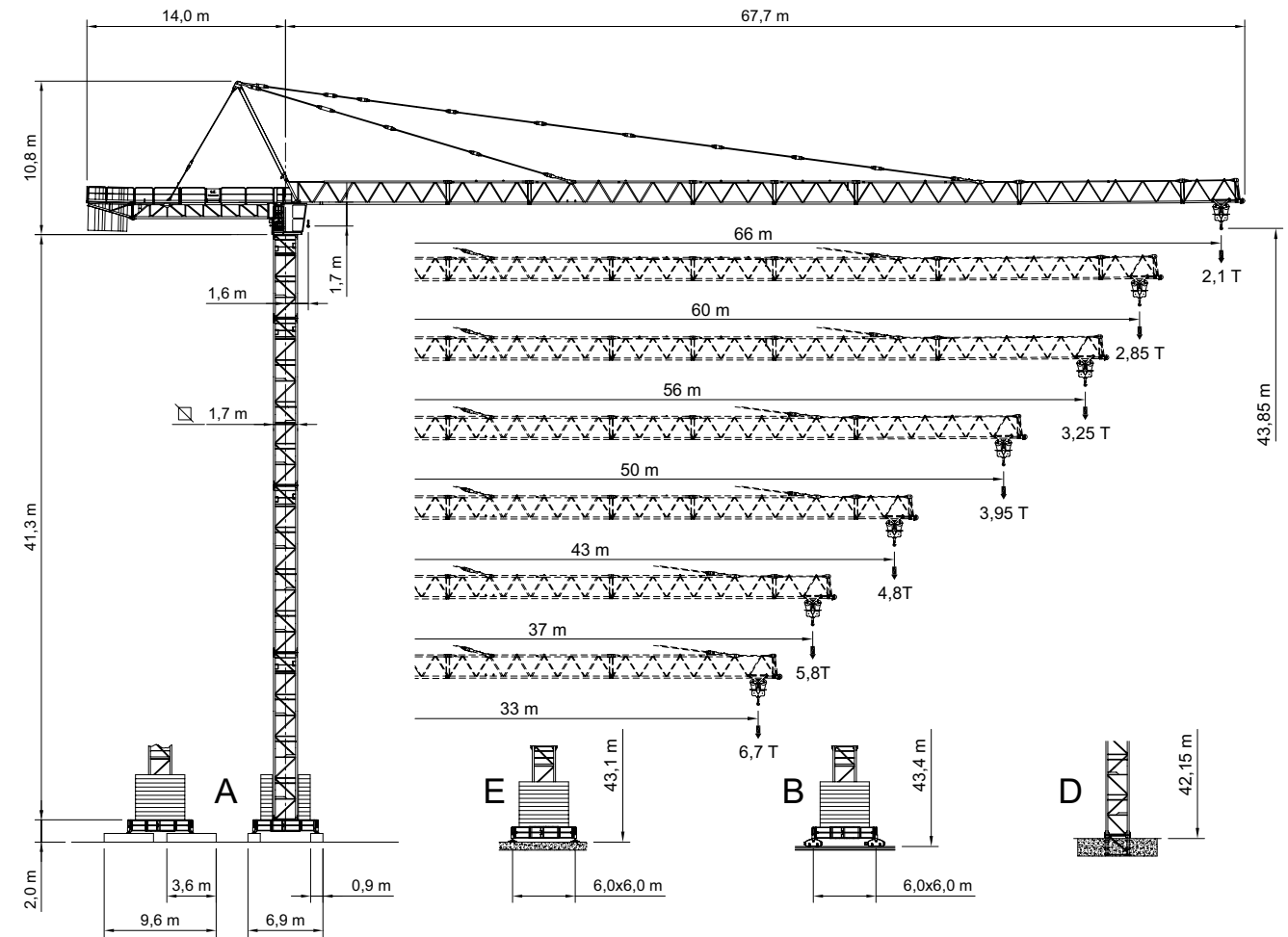
Last-born crane of the City Cranes family, this crane is equipped with a 66 m. jib and is a perfect synthesis of simplicity, efficiency and reliability. For particular heights and applications, a version with tower GR5 is also available

City Crane MR 210 GR4

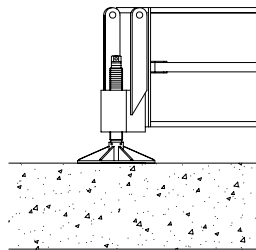
GRU A TORRE A MONTAGGIO RAPIDO
«CITY» TOWER CRANE



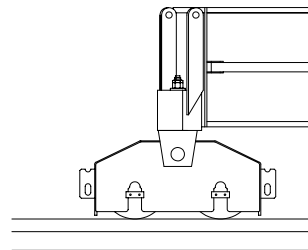
A4 FEM1,001



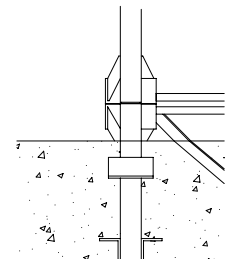
A



E








B



D

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

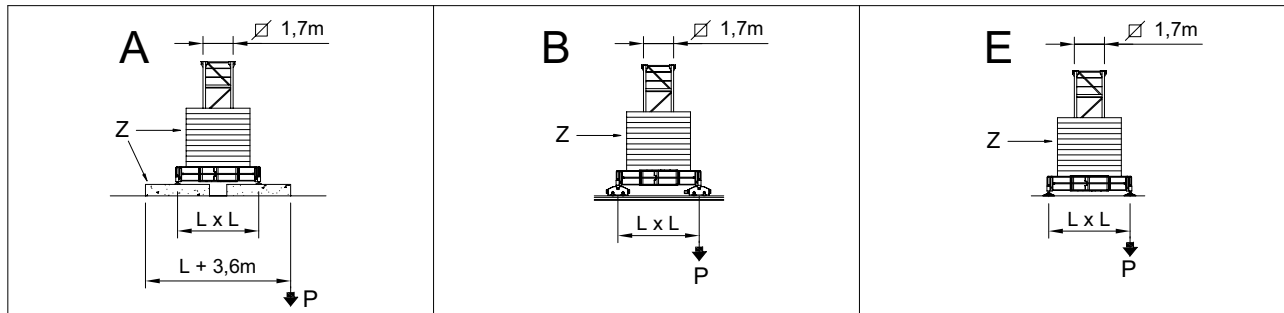
Portata max / Max s.w.l. Charge maxi / Max. Tragfähigkeit		8000 kg.  / 4000 kg. 							10000 kg.  / 5000 kg. 							
Sbraccio / Radius Ausladung / Portée	m.	33	37	43	50	56	60	66	33	37	43	50	56	60	66	
Campo di portata max da Max s.w.l. range from Charge maxi de Max. Tragfähigkeit von	2,8 m a to à bis	28,3	28,0	27,7	27,4	26,2	25,4	22,3	22,9	22,7	22,4	22,2	21,3	20,6	18,1	
Sbraccio (m.) Radius (m.) Portée (m.) Ausladung (m.)		16	8000	8000	8000	8000	8000	8000	8000	10000	10000	10000	10000	10000	10000	10000
		18	8000	8000	8000	8000	8000	8000	8000	10000	10000	10000	10000	10000	10000	10000
		20	8000	8000	8000	8000	8000	8000	8000	10000	10000	10000	10000	10000	10000	8932
		22	8000	8000	8000	8000	8000	8000	8000	10000	10000	10000	10000	9624	9271	7996
		24	8000	8000	8000	8000	8000	8000	7354	9471	9363	9254	9145	8709	8387	7221
		26	8000	8000	8000	8000	8000	7780	6705	8641	8541	8442	8341	7939	7643	6570
		28	8000	7988	7894	7797	7424	7148	6152	7933	7841	7749	7655	7283	7009	6016
		30	7472	7385	7297	7207	6859	6602	5675	7323	7237	7151	7064	6718	6462	5537
		32	6941	6859	6777	6693	6367	6127	5260	6791	6711	6630	6549	6225	5986	5120
	33	6700	6621	6541	6460	6145	5912	5071	6550	6472	6394	6315	6001	5770	4931	
	36		5988	5915	5840	5552	5339	4570		5838	5767	5694	5407	5195	4428	
	37		5800	5729	5657	5376	5169	4422		5650	5581	5510	5231	5025	4279	
	40			5229	5162	4903	4712	4022			5080	5015	4757	4567	3878	
	42			4936	4873	4626	4444	3788			4786	4724	4479	4298	3643	
	43			4800	4738	4498	4320	3679			4650	4590	4350	4174	3534	
	46				4370	4146	3980	3382				4221	3998	3833	3236	
	48				4151	3936	3777	3205				4002	3788	3630	3058	
	50				3950	3744	3591	3042				3800	3595	3443	2895	
52					3566	3420	2892					3417	3271	2745		
54					3402	3261	2753					3253	3112	2605		
56					3250	3114	2625					3100	2965	2476		
58						2978	2505						2828	2356		
60						2850	2393						2700	2244		
62							2289							2140		
64							2192							2042		
66							2100							1950		
Solo tiro semplice: Two reeving only: Mouflage à deux brins seulement: Nur zwei-stränge:		+100 Kg.							150 Kg.							

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

Braccio / Jib Flèche / Ausleger	(m)	33	37	43	50	56	60	66
Contrappeso / Counterweight Contreponds / Gegengewicht	(t)	12,210	13,145	15,68	18,215	20,75	22,35	25,55
Composizione Composition Komposition	Tipo / Type	Quantità / Quantity / Nombre / Anzahl						
	A 183	2	2	2	2	2	2	2
	B 183	-	1	2	3	4	4	4
	C 183	2	1	1	1	1	2	4

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ALTEZZA SOTTOGANCIO, 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 UNDERCARRIAGE
 SUR CHASSIS / AUF UNTERWAGEN

L = 4,5 m

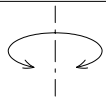

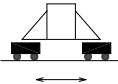
H (m)	max. Z (t)	max. P (kN)	H (m)	max. Z (t)	max. P (kN)	H (m)	max. Z (t)	max. P (kN)
20,3	68,48	579	19,8	65,7	571	19,5	67,7	559
26,2	68,48	609	25,7	65,7	600	25,4	67,7	590
32,1	68,48	643	31,6	65,7	634	31,3	67,7	626
38,0	68,48	684	37,5	67,0	673	37,2	69	666
43,9	80,08	735	43,4	74	720	43,1	76	713

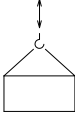


L = 6 m

H (m)	max. Z (t)	max. P (kN)	H (m)	max. Z (t)	max. P (kN)	H (m)	max. Z (t)	max. P (kN)
20,3	43	467	19,8	41	455	19,5	43	445
26,2	43	488	25,7	41	478	25,4	43	470
32,1	43	513	31,6	41	505	31,3	43	498
38,0	45,3	543	37,5	46,4	536	37,2	46,4	530
43,9	51,1	581	43,4	52,2	574	43,1	52,2	571

SU PLINTO / ON FOUNDATION ANCHORS
 SUR PIEDS DE SCELLEMENT / AUF FUNDAMENTANKER

	H (m)	18,6	24,5	30,4	36,3	42,2		H (m)	48,1
	T (kN)	585	642	710	793	891		T (kN)	1043
	P (kN)	831	899	979	1073	1183		P (kN)	1382
	q max. (Kg/cm ²)	1,17	1,26	1,38	1,53	1,73		q max. (Kg/cm ²)	1,357

		Velocità / Speed / Vitesse / Geschwindigkeit	Potenza / Power / Puissance / Leistung
Rotazione Slewing Orientation Schwenken		0,26 / 0,48 / 0,7 min ⁻¹	2 x 4,8 Kw
Carrello Trolley Chariot Katzfahren		27 / 54 m/min	5,5 Kw
		18,8 / 35,2 / 54 m/min Progressivo - Progressive	5,5 Kw
Traslazione Rail Translation Kranfahren		20 m/min	2 x 4 Kw

Argano Winch Treuil Hubwerk		Marcia Step Vitesse Gang	Carico / velocità - Load / speed Charge / vitesse - Tragfähigkeit / Geschwindigkeit		
					
Tipo Type Type Typ	33 HP 24,3 Kw - 8VF INVERTER	1	4000 Kg - 5,6 m/min	8000 Kg - 2,8 m/min	
		2	4000 Kg - 28 m/min	8000 Kg - 14 m/min	
		3	2000 Kg - 56 m/min	4000 Kg - 28 m/min	
			1300 Kg - 67 m/min	2600 Kg - 33,6 m/min	
		50 HP 37 Kw - 8VF INVERTER	1	4000 Kg - 9 m/min	8000 Kg - 5 m/min
			2	4000 Kg - 28 m/min	8000 Kg - 14 m/min
	3		4000 Kg - 45 m/min	4000 Kg - 23 m/min	
	4		2509 Kg - 75 m/min	4689 Kg - 38 m/min	
	5		1907 Kg - 98 m/min	3516 Kg - 49 m/min	
	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 INVERTER	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 - 1,5m 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	6600 Kg - 25 m/min	
5		2100 Kg - 68 m/min	4600 Kg - 34 m/min		

Conforme alla direttiva CEE 85/534 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.

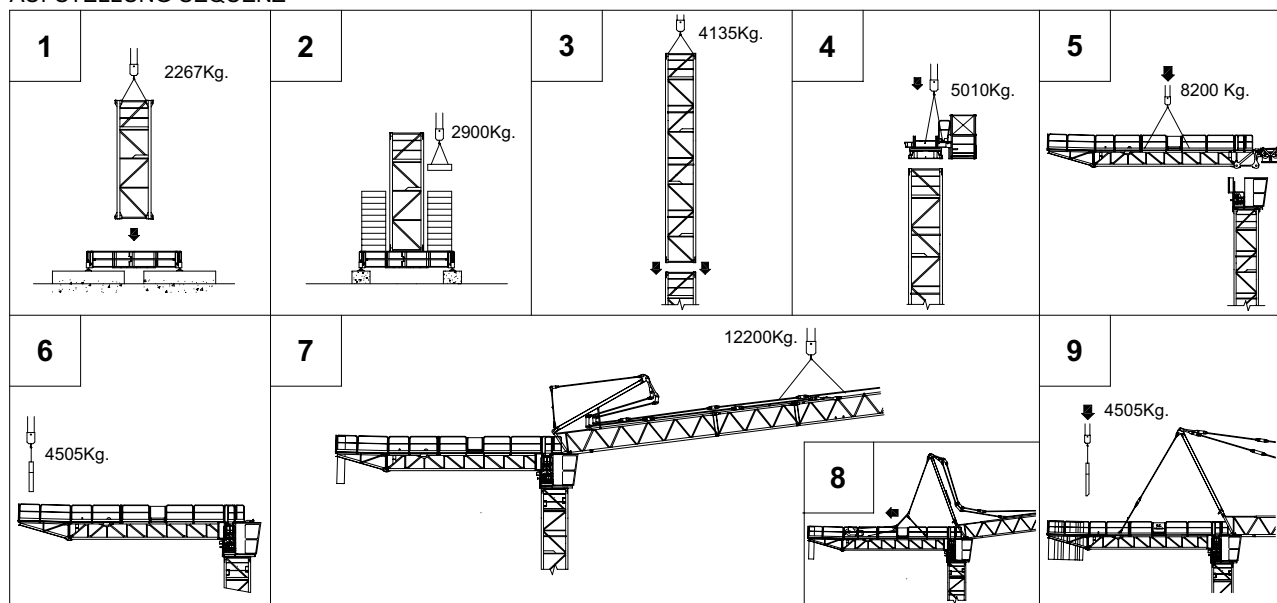
FORZA MOTRICE TOTALE TOTAL INSTALLED POWER PUISSANCE TOTALE DES MOTEURS GESAMT-MOTORENLEISTUNG	24,3 Kw (33HP)	37 Kw (50HP)
	48 Kw	60 Kw

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			11,650	1,500	1,990	1712	1712
	1		N°2			6,010	1,500	1,675	705	705
	1		N°3			11,770	1,500	1,675	1405	1405
	2		N°4A-4B			6,010	1,500	1,675	660	1320
	1		N°5			11,775	1,500	1,685	1261	1261
	1		N°6			11,790	1,500	1,685	1023	1023
	1		N°7			4,110	1,500	1,685	374	374
	1	Puntale freccia Jib point Elément pointe Spitzelement			1,300	1,530	1,725	90	90	
2	1	Cuspide A frame Pointe Turmspitze			7,820	1,700	0,530	720	720	
3	1	Controfreccia,organo di sollev., quadro elettrico,carrello freccia etc. Counterjib, hoisting winch, trolley jib, electrical box etc. Contreflèche tournante, treuil de levage, chariot de flèche, armoire électrique etc. Gegenausleger, Hubwinde, Laufkatze Schaltschrank etc.			13,350 (L1) 11,950	2,605	2,400	7400 6550	7400 6550	
	1	Controfreccia,organo di sollev., quadro elettrico,carrello freccia,portablocchi. Counterjib, hoisting winch, trolley jib, electrical box, element for counterweight. Contreflèche,treuil de levage, chariot de flèche, armoire électrique, élément terminal. Gegenausleger, Hubwinde, Laufkatze Schaltschrank Gegenwichtelement.			16,480	2,605	2,400	8200	8200	
4	1	Gruppo girevole Slewing table Table tournante Drehgruppe			1,900	3,200	1,900	4150	4150	
5	1	Ballatoio cabina, cabina Access balcony, cabin Porte cabine Wartung platform			2,470	3,530	2,190	861	861	
6	2	Blocchi di contrappeso Counterweight block Contre-poids Gegengewichtsbloecke			A183	1,670	0,480	2,810	4505	9010
	B183				1,670	0,270	2,810	2535	10140	
	C183				1,670	0,170	2,810	1600	6400	

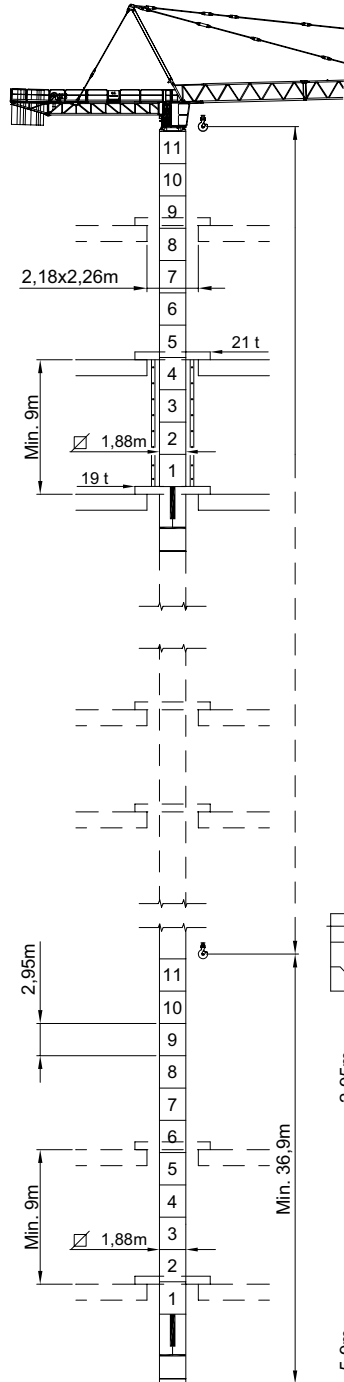
Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight (Kg)		
				L	W	H	Unit.	Total.	
7	-	Elemento di torre Tower element Elément de mature Turmstück		2,950	1,900	1,700	1335	1335	
8	-			5,900	1,900	1,700	2267	2267	
9	-			11,800	1,900	1,700	4135	4135	
10	1	Tronchetto di fondazione Expendable foundation element Elément a sceller Fundamentanker		1,465	1,980	1,980	830	830	
11	1	Trave principale della crociera di base Base main beam Poutre de chassis de base Hauptträger für Kreuzgelenk		6,0 x 6,0	8,645	0,780	0,960	3475	3475
				4,5 x 4,5	6,524	0,780	0,960	2595	2595
12	2	Semitrave della crociera di base Half base beam Semipoutre de chassis de base Halbträger für Kreuzgelenk		6,0 x 6,0	4,323	0,680	0,974	1745	3490
				4,5 x 4,5	3,212	0,680	0,974	1235	2470
13	4	Blocco di appoggio Concrete pad Sabot en béton Betonfuss (B5)		3,600	0,900	0,750	5520	22080	
14	2	Bilancino di traslazione folle Driven bogie Boggie fou Fahrschemel ohne motorantrieb		1,315	0,222	0,540	600	1200	
15	2	Bilancino di traslazione motorizzato Driving bogie Boggie motorisée Fahrschemel mit motorantrieb		1,427	0,492	0,540	765	1530	
16	29	Blocco di zavorra Base ballast block Lest de base Grundballastblöcken (GB3)		3,600	1,200	0,300	2900	84100	

SEQUENZA DI MONTAGGIO
ASSEMBLING SEQUENCE
SEQUENCE DE MONTAGE
AUFSTELLUNG SEQUENZ

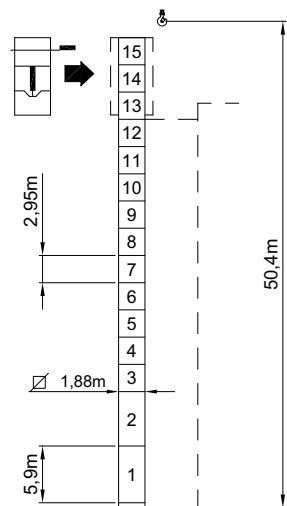


MR 210 RI

RAMPANTE
FLOOR CLIMBING
TELESCOPABLE SUR DALLES
KLETTERKRANE IM GEBÄUDE



T = 860 KN ↑ ↓ P = 1228 KN



T = 1053 KN ↑ ↓ P = 1437 KN

MR 210 HC4

A SOPRALZO IDRAULICO
EXTERNAL CLIMBING
TELESCOPABLE
KLETTERKRANE

