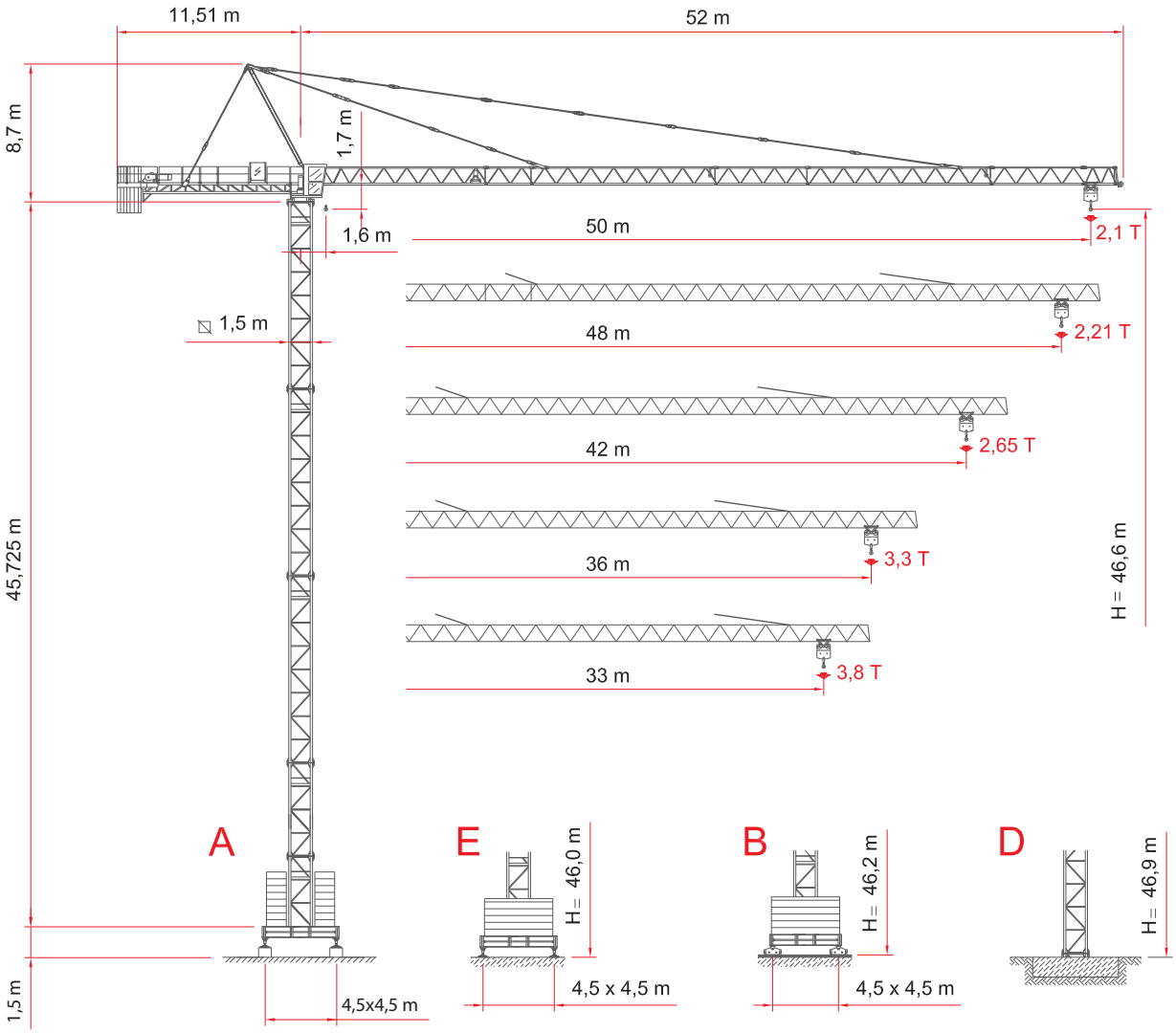
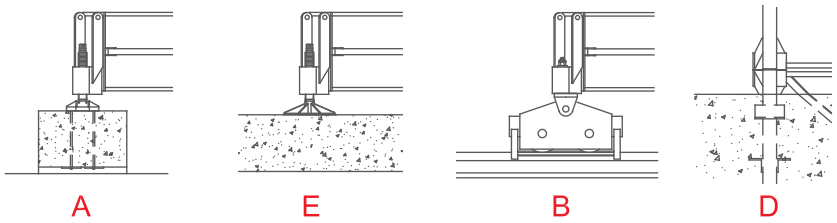
RAIMONDI
MR 108

Sbraccio massimo:	**50**	m
Portata in punta:	**2.100**	kg
Portata massima:	**8.000**	kg
Altezza sotto gancio (autostabile):	**46,6**	m

RAIMONDI · MR 108 **50 mt**

Schema di sollevamento e configurazioni





H1 B3 DIN151018 / A4 FEM1,001

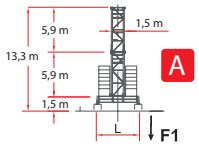
H = Height under hook
Altezza sotto gancio
Hauteur sous crochet
Altura bajo el gancho
Высота под крюком

RAIMONDI · MR 108 **50 mt**

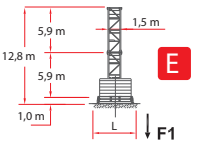
Configurazione torre e reazioni

1,5 - L=3,8 mt.

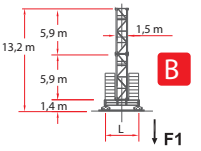
	H (m)	Z (t)	F1 (kN)
7	-	-	-
6	-	-	-
5	42,2	88,5	684
4	36,3	68,8	561
3	30,4	51,1	505
2	24,5	51,1	443
(5,9 m) +1	18,6	51,1	419



	H (m)	Z (t)	F1 (kN)
7	-	-	-
6	-	-	-
5	41,8	88,5	670
4	35,9	70,8	549
3	30,0	53,1	478
2	24,1	53,1	446
(5,9 m) +1	18,2	53,1	420

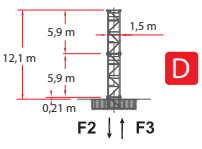


	H (m)	Z (t)	F1 (kN)
7	-	-	-
6	-	-	-
5	41,6	88,5	666
4	35,7	70,8	539
3	29,8	53,1	470
2	23,9	53,1	443
(5,9 m) +1	18,0	53,1	418



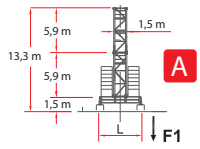
1,5 mt.

	H (m)	F2 (kN)	F3 (kN)
7	-	-	-
6	46,9	1260	1048
5	41,0	978	776
4	35,1	834	601
3	29,2	756	533
2	23,3	692	479
(5,9 m) +1	17,4	640	436

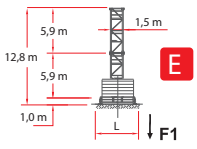


1,5 - L=4,5 mt.

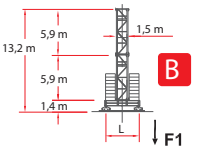
	H (m)	Z (t)	F1 (kN)
7	-	-	-
(4,4 m) 6	46,6	86,5	716
5	42,2	74,7	573
4	36,3	57,0	476
3	30,4	45,2	419
2	24,5	39,3	378
(5,9 m) +1	18,6	39,3	366



	H (m)	Z (t)	F1 (kN)
7	-	-	-
(4,4 m) 6	46,2	82,6	686
5	41,8	64,9	546
4	35,9	53,1	466
3	30,0	41,3	416
2	24,1	35,4	378
(5,9 m) +1	18,2	35,4	357

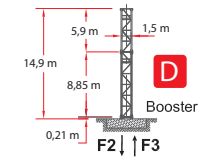


	H (m)	Z (t)	F1 (kN)
7	-	-	-
(4,4 m) 6	46,0	82,6	676
5	41,6	70,8	534
4	35,7	53,1	466
3	29,8	41,3	410
2	23,9	35,4	372
(5,9 m) +1	18,0	35,4	351



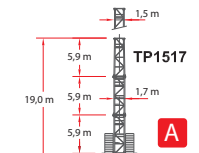
1,5 mt.

	H (m)	F2 (kN)	F3 (kN)
7	55,7	1685	1436
6	-	-	-
5	-	-	-
4	-	-	-
3	-	-	-
2	-	-	-
(5,9 m) +1	-	-	-



1,7/1,5 - L=4,5 mt.

	H (m)	Z (t)	F1 (kN)
6	54,3	88,5	891
5	-	-	-
4	-	-	-
3	-	-	-
2	-	-	-
(5,9 m) +1	-	-	-



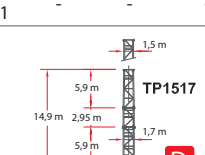
1,7/1,5 - L=6,0 mt.

	H (m)	Z (t)	F1 (kN)
6	54,4	59,0	657
5	-	-	-
4	-	-	-
3	-	-	-
2	-	-	-
(5,9 m) +1	-	-	-



1,7/1,5 mt.

	H (m)	F2 (kN)	F3 (kN)
7	55,7	1745	1509
6	-	-	-
5	-	-	-
4	-	-	-
3	-	-	-
2	-	-	-
(5,9 m) +1	-	-	-



RAIMONDI · MR 108 **50 mt**

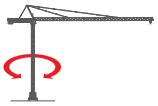
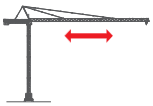
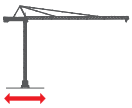
Diagramma di portata

Portata max / Max s.w.l. Charge maxi / Max. Tragfähigkeit		6000 Kg. / 3000 Kg.					8000 Kg. / 4000 Kg.				
Sbraccio / Jib Auslandung /Portée	m.	33	36	42	48	50	33	36	42	48	50
Campo di portata max da Max s.w.l. range from Charge maxi de Max. Tragfähigkeit von	1,6 m a to à bis	21,96	21,19	20,51	20,14	20,11	16,92	16,33	15,81	15,53	15,52
Sbraccio (m.) Radius (m.) Portée (m.) Ausladung (m.)	12	6000	6000	6000	6000	6000	8000	8000	8000	8000	8000
	14	6000	6000	6000	6000	6000	8000	8000	8000	8000	8000
	16	6000	6000	6000	6000	6000	8000	8000	7896	7744	7735
	18	6000	6000	6000	6000	6000	7475	7189	6931	6797	6789
	20	6000	6000	6000	6000	6000	6654	6398	6167	6047	6040
	22	5988	5756	5547	5438	5431	5988	5756	5547	5438	5431
	24	5436	5224	5033	4933	4927	5436	5224	5033	4933	4927
	26	4972	4776	4601	4509	4503	4972	4776	4601	4509	4503
	28	4576	4394	4232	4147	4141	4576	4394	4232	4147	4141
	30	4234	4065	3913	3834	3829	4234	4065	3913	3834	3829
	32	3935	3777	3635	3561	3557	3935	3777	3635	3561	3557
	33	3800	3647	3509	3437	3433	3800	3647	3509	3437	3433
	34		3524	3391	3321	3317		3524	3391	3321	3317
	36		3300	3174	3108	3104		3300	3174	3108	3104
	38			2981	2918	2915			2981	2918	2915
	40			2807	2748	2744			2807	2748	2744
	42			2650	2594	2590			2650	2594	2590
	44				2454	2451				2454	2451
	46				2327	2324				2327	2324
	48				2210	2207				2210	2207
	50					2100					2100

Con sistema 'ULTRALIFT" tutte le portate intermedie sono aumentate dei 10%
All intermediate loads are increased of 10% if the crane is equipped with "ULTRALIFT" control
Les charges intermdiaires sont augmentes de 10% si la grue est équipée avec controle "ULTRALIFT"

RAIMONDI · MR 108 **50 mt**

Meccanismi

		Velocità - Speed Vitesse - Geschwindigkeit	Potenza - Power Puissance - Leistung
Rotazione Slewing Orientation Schwenken		0,23 / 0,47 / 0,71 min $^{-1}$	2 x 4 Kw
Carrello Trolley Chariot Katzfahren		18,8 / 35,2 / 54 m/min Progressivo - Progressive	5,5 Kw
Traslazione Rail Translation Kranfahren		18 m/min	2 x 3 Kw

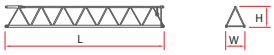
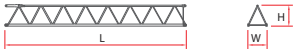
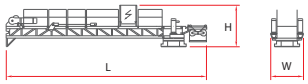
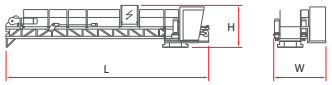
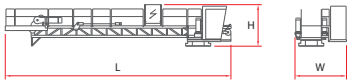
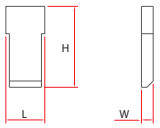
Tipo - Type - Tipe - Type 	Potenza-power puissance - Leistung		Fune rope cable Seil	Marcia Step Vitesse Gang	Carico load charge last	Velocità speed Geschw vitesse	Carico load charge last	Velocità speed Geschw vitesse
	CV - ch PS - hp	kW	m		kg	m/min	kg	m/min
40 HP - 6 VF	40	30	240 450 LB	1	3000	7	6000	3,5
				2	3000	25	6000	12,5
				3	3000	43	6000	21,5
				4	1500	68	3000	34
				5	1000	93	2000	46,5
				5 (*)	600	100	1200	50
40 HP - 8 VF	40	30	240 450 LB	1	4000	7	8000	3,5
				2	4000	25	8000	12,5
				3	4000	43	8000	21,5
				4	2200	68	4400	34
				5	1300	93	2600	46,5
				5 (*)	600	100	1200	50
60 HP - 8 VF	60	45	780 LB	1	4000	8	8000	4
				2	4000	24	8000	12
				3	4000	40	8000	20
				4	2200	64	4400	32
				5	1300	80	2600	40
				5 (*)	600	96	1200	48

Conforme alla direttiva 2000/14/CE sul livello acustico - In compliance with the 2000/14/CE instruction on noise level - Conforme directive 2000/14/CE sur le niveauacoustique - Gemiss 2000/14/CE ber Schall - Leistungspegel - Conforme con la directive 2000/14/CE sobre el nivei acustico

Forza motrice totale - Total installed power Puissance totale des moteurs - Gesamt-motorenleistung	30 Kw (40 HP)	45 Kw (60 HP)
(*) speed automatically controlled by a current sensor / velocità regolata automaticamente da sensore di corrente / vitesse réglée automatiquement par capteur de courant / acelerar controlado automáticamente por un sensor de corriente / скорость автоматически регулируется датчиком тока	35 Kw	47 Kw

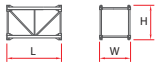
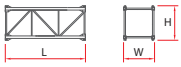
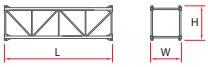
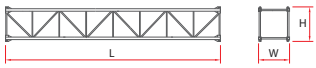
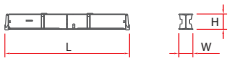
RAIMONDI · MR 108 **50 mt**

Lista dei colli (1/3)

Pos. Item	Pezzi Pieces	Denominazione Description		Schizzo Sketch					
1	1	Elemento di freccia Jib element Elèment de flèche Ausleger	n° 1		11,780	1,200	1,451	972	-
	1		n° 2		3,070	1,200	1,180	233	-
	1		n° 3		11,770	1,200	1,180	843	-
	1		n° 4		5,970	1,200	1,180	400	-
	1		n° 5		11,760	1,200	1,810	368	-
	1		n° 6		5,960	1,200	1,180	368	-
	1		n° 7		2,130	1,200	1,180	160	-
	1	Puntale freccia Jib point Elèment pointe Spitzelement			1,315	1,200	1,300	75	-
2	1	Cuspide A frame Pointe Tutmspitze			7,350	0,415	1,105	459	-
3	1	Controfreccia girevole, argano di sollev., quadro elettrico,carrello freccia etc. Counterjib turnable, hoisting winch, trolley jib, electrical box etc. Contreflèche tournante, treuil de levage, chariot de flèche,armoire electrique etc. Gegenausleger, Hubwinde, Laufkatze Schaltschrank etc.			11,955	1,980	2,475	6635	-
	1	Controfreccia girevole, argano di sollev., quadro elettrico, carrello freccia, cabina Counterjib turnable, hoisting winch, acces balcony, trolley jib, electrical box, cabin etc. Contreflèche tournante,treuil de levage, chariot de flèche, armoire electrique, cabine Gegenausleger D rehwerk, Hubwinde, Laufkatze, Kabine, Schaltschrank Kabinepodest.			11,955	3,150	2,475	7205	-
4	1	Controfreccia girevole, argano di sollev., quadro elettrico, carrello freccia, cabina, elem. porta-blocchi Counterjib turnable, hoisting winch, cabin, acces balcony, trolley jib, electrical box, terminal element Contreflèche tournante,treuil de levage, chariot de flèche, armoire electrique, cabine et element terminal Gegenausleger D rehwerk, Hubwinde, Laufkatze, Kabine, Schaltschrank Kabinepodest.			13,500	3,150	2,475	7595	-
5	4	Blocchi di contrappeso Counterweight block Contre-poids Gegengewichtsbloecke		 A108	1,430	0,295	3,265	2738	10952
	1			B99	1,430	0,260	3,265	2413	-

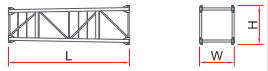
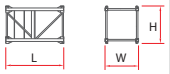
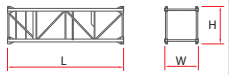
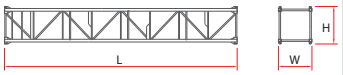
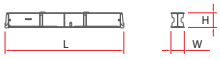
RAIMONDI · MR 108 **50 mt**

Lista dei colli (2/3)

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight	
				L	W	H	Unit	Total
6	-	Elemento di torre Tower element Elèment de mature Turmstück		2,950	1,700	1,500	1172	-
7	-			4,425	1,700	1,500	1590	-
8	-			5,900	1,700	1,500	1990	-
9	-			11,800	1,700	1,500	3682	-
10	1	Tronchetto di fondazione Expendable foundation element Elèment a sceller Fundamentanker		1,465	1,780	1,780	780	-
11	1	Trave principale della crociera di base Base main beam Poutre de chassis de base Hauptträger für Kreuzgelenk	 4,5x4,5 mt	6,530	0,710	0,760	2120	-
			3,8x3,8 mt	5,535	0,710	0,760	1460	-
12	2	Semitrave della crociera di base Half base beam Semipoutre de chassis de base Halbträger für Kreuzgelenk	 4,5x4,5 mt	3,200	0,590	0,770	1030	2060
			3,8x3,8 mt	2,620	0,590	0,770	940	1880
13	4	Blocco di appoggio Concrete pad Sabot en béton Betonfuss		3,600	0,800	0,600	3925	15700
14	2	Bilancino di traslazione folle Driving bogie Boggie fou Fahrschemel ohne motorantrieb		1,080	0,230	0,515	415	830
15	2	Bilancino di traslazione motorizzato Driven bogie Boggie motoriseè Fahrschemel mit Motorantrieb		1,550	0,500	0,515	535	1070
16	28	Blocco di zavorra Base ballast block Lest de base Grundballastblöcken		3,600	1,200	0,300	2950	88500

RAIMONDI · MR 108 **50 mt**

Lista dei colli (3/3)

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight	
				L	W	H	Unit	Total
HC5 - 2,1 mt.								
17	1	Elemento di torre 1,7/1,5 m 1,7/1,5 m tower element 1,7/1,5 m elèment de mature 1,7/1,5 m turmstück		5,900	1,700	1,900	2205	-
18	-	Elemento di torre monolitico Tower element Elèment de mature Turmstück		2,950	1,900	1,700	172	-
19	-			5,900	1,900	1,700	2267	-
20	-			11,800	1,900	1,700	4135	-
21	1	Tronchetto di fondazione Expendable foundation element Elèment a sceller Fundamentanker		1,465	1,980	1,980	830	-
22	1	Trave principale della crociera di base Base main beam Poutre de chassis de base Hauptträger für Kreuzgelenk		6,524	0,780	0,960	2595	-
23	2	Semitrave della crociera di base Half base beam Semipoutre de chassis de base Halbträger für Kreuzgelenk		3,212	0,680	0,974	1235	2470
24	4	Blocco di appoggio Concrete pad Sabot en béton Betonfuss		3,600	0,900	0,750	5520	22080
25	2	Bilancino di traslazione folle Driving bogie Boggie fou Fahrschemel ohne motorantrieb		1,315	0,222	0,540	600	1200
26	2	Bilancino di traslazione motorizzato Driven bogie Boggie motoriseè Fahrschemel mit Motorantrieb		1,427	0,492	0,540	765	1530

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Sopralzo idraulico — telescopaggio interno ed esterno

ПЛИТАХПЕРЕКРЫТИЯ

