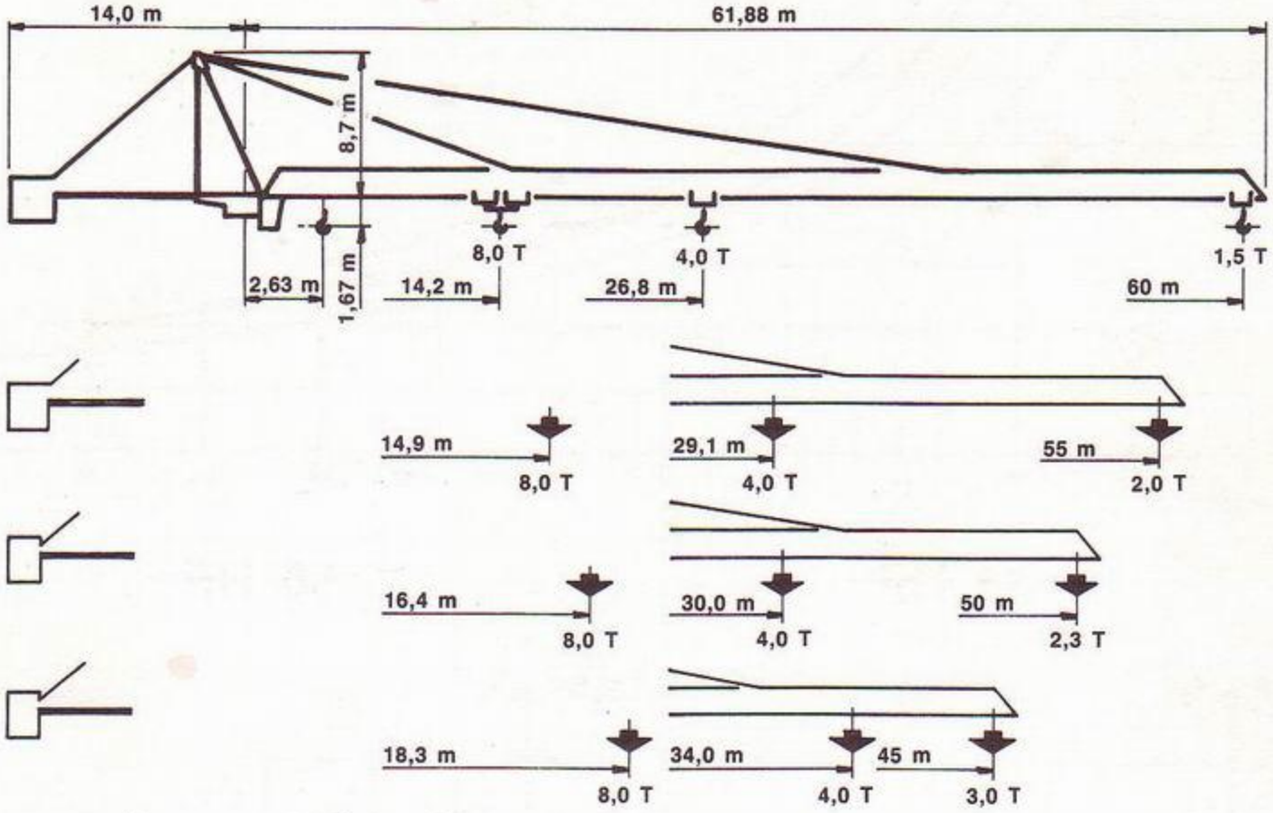
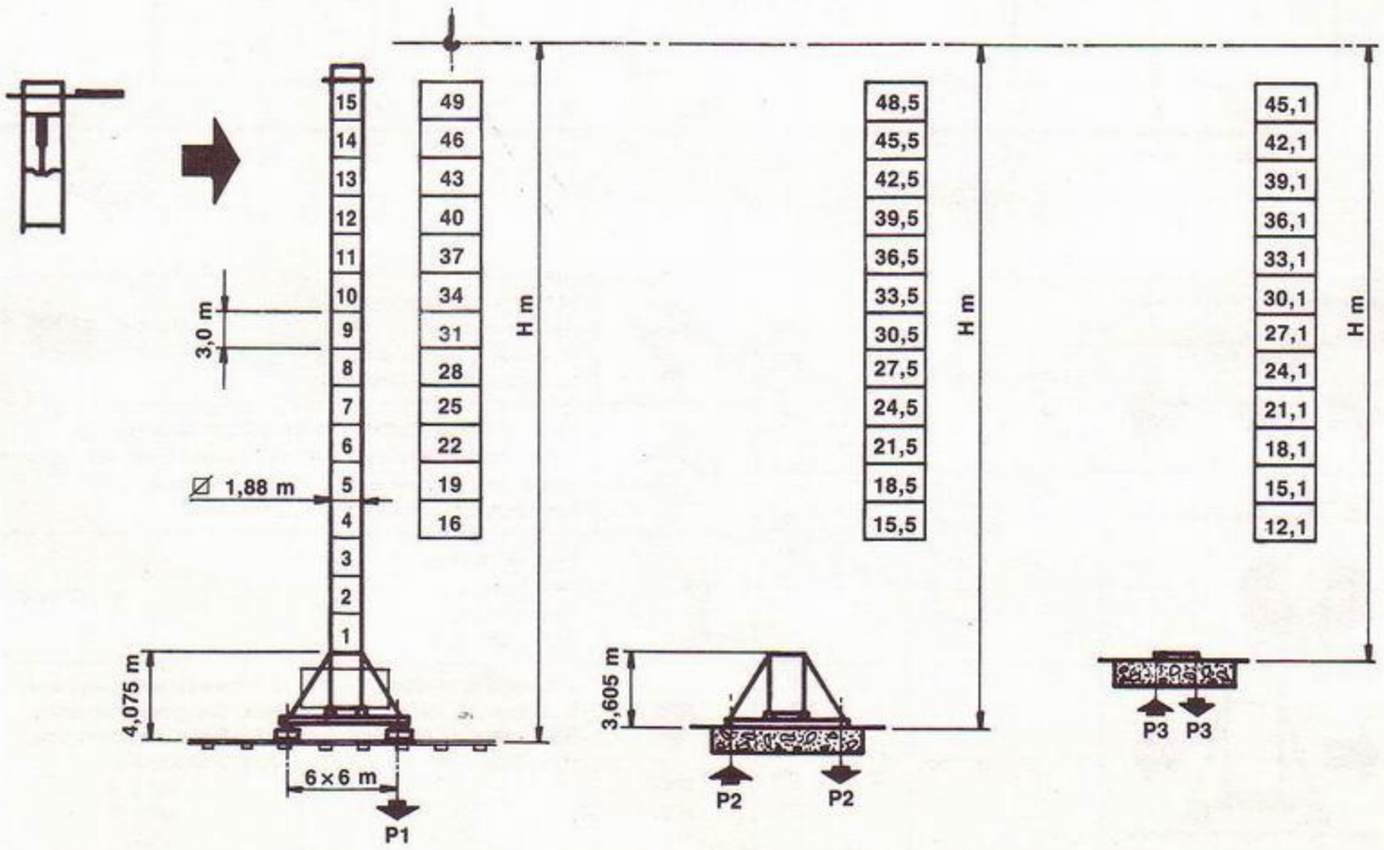
Modello MR 120





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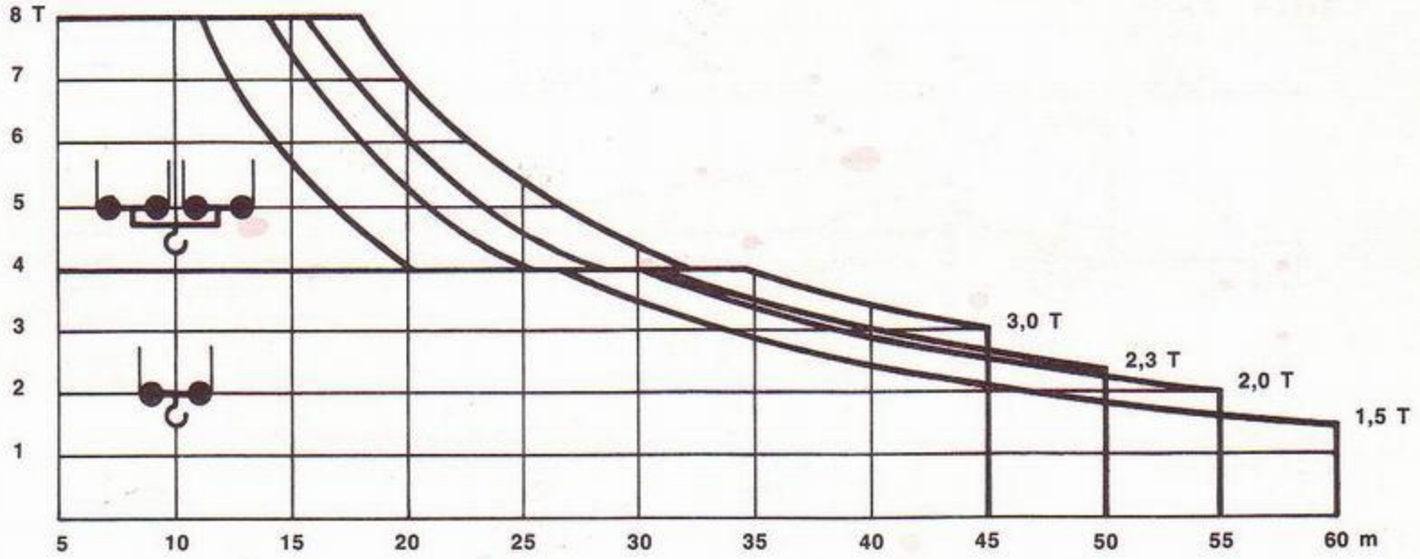
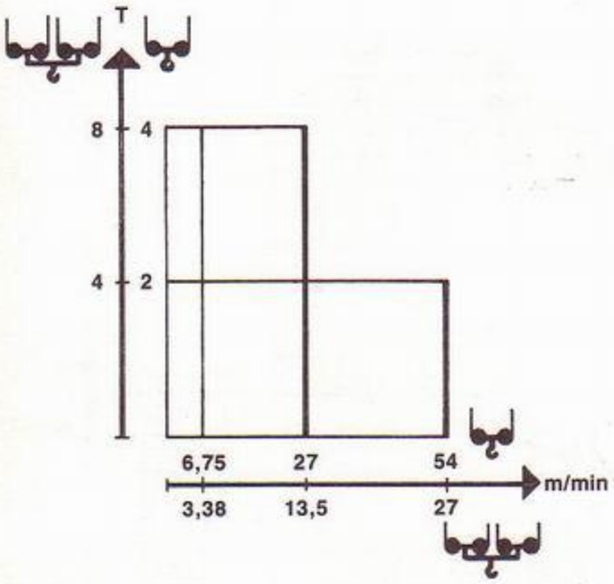
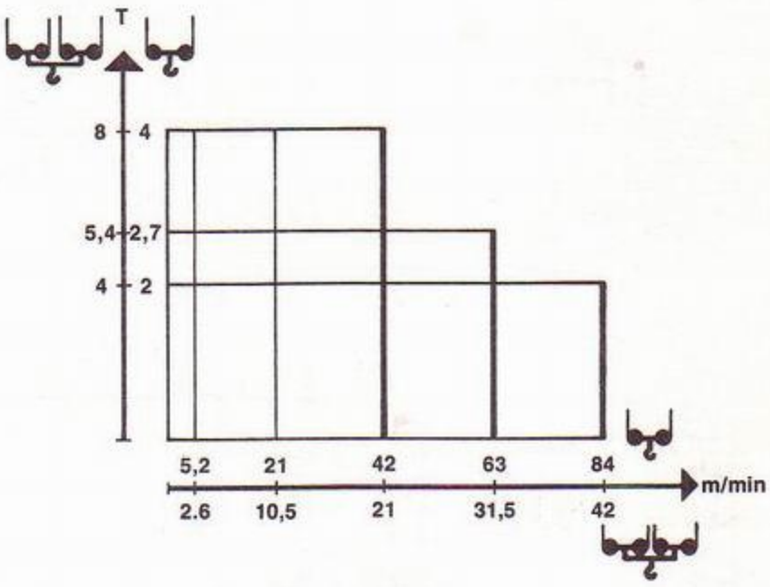
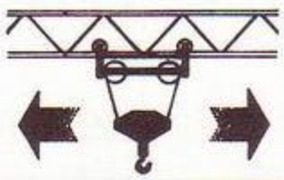
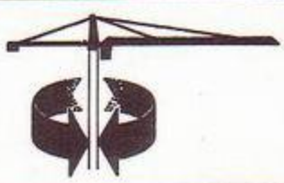
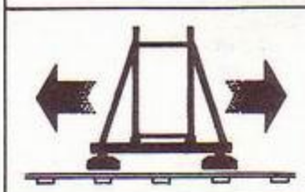


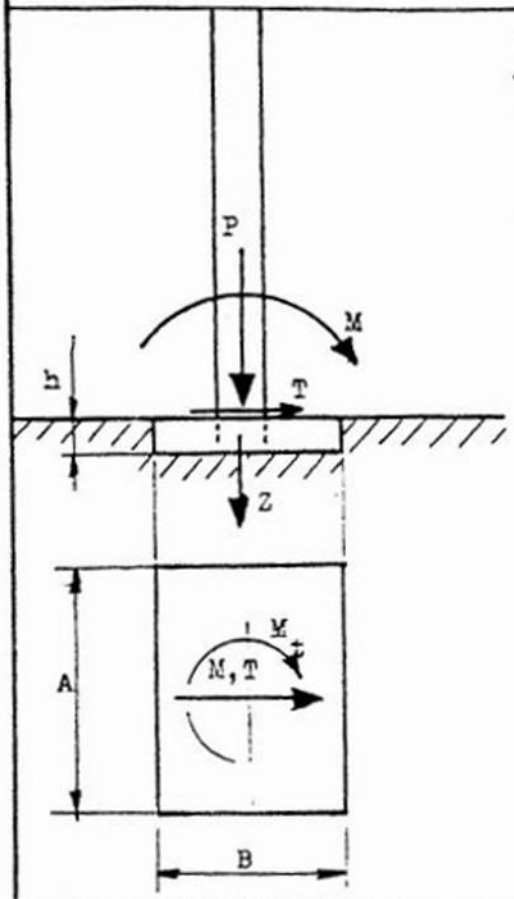
33 HP



50 HP



	27/54 m/min	2/5 CV HP ch PS		Potenza totale installata Installed power Puissance totale moteur Gesamtmotorenleistung	(50 HP): 51 KW (33 HP): 38 KW
	0 ÷ 0,64 giri/min r.p.m. r.p.m. U.p.m.	6 + 6 CV HP ch PS		Peso della gru senza zavorre (H max. s. g.) Total weight of crane whitout ballast (max.H.) Poids de construction sans lests (max. H. s. c.) Konstruktiongewicht (max. Hubhöhe)	45 T
				Tipo di rotaia Rail type Tipe de rail Schienen typ	46,3 Kg/m
	14 m/min	4 + 4 CV HP ch PS		Trazione massima Max. tensile force Max. force de traction Max. Zugkraft	Compressione massima Max. compressive force Max. force de compress. Max. Druckkraft
			P 1 P 2 P 3	– 24,7 T 86,1 T	68,4 T 52,1 T 109,9 T



Assembly with 60 m jib

STABILITY:

given: $e = \frac{M+Txh}{P+Z}$ must be: e less than $\frac{B}{k}$

where k= 3 (45,1m) to 3,4 (12,1m) in service

k = 3 out of service

PRESSURE ON THE GROUND:

given: $a = 3xe - o,5xB$ must be:

if: a less than 0 a greater than 0

$$p_{max.} = \frac{1}{AxB} x\left(P+Z+\frac{6}{B}x(M+Txh)\right) \qquad p_{max} = 2x\frac{(P+Z)}{(B.-a)xA}$$

(usually A=B)

NOTE: out of service the jib must be free to rotate

Height under hook (m)	Crane in service with wind			Twisting moment $M_t = 28,670_t$ x m	Crane out of service, storm			Twisting moment M_t t x m
	M(t xm)	T(t)	P(t)		M(t x m)	T(t)	P (t)	
45,1	178,219	4,29	64.457		288.556	10.703	56.386	
42.1	166.708	4.174	63.231		256.031	10.170	55.160	
39.1	155.688	4.059	62.006		225.024	9.633	53.935	
36.1	145.181	3.944	60.780		195.536	9.091	52.709	
33.1	135.215	3.829	59.555		167.566	8.543	51.484	
30.1	125.823	3.714	58.329		141.114	7.988	50.258	
27.1	117.043	3.599	57.104		116.181	7.422	49.033	
24.1	108.918	3.484	55.878		92.766	6.842	47.807	
21.1	101.498	3.369	54.653		70.870	6.243	46.582	
18.1	94.836	3.254	53.427		50.557	5.622	45.356	
15.1	88.986	3.139	52.202		34.241	5.254	44.131	
12.1	83.999	3.024	50.976		19.031	4.886	42.905	