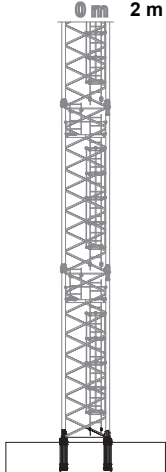
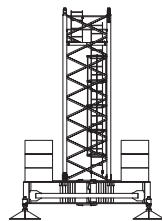


HOIST WINCH		Inverter
		MDA90A-640
		Motor
		2x30 kW / 2x39 Hp
	HOOK SPEED Two fall	0 - 90 m/min
	HOIST ROPE	Ø16 mm
	MAX. LIFTING HEIGHT	150 m



1



2



Available with the **iRaptor** driver rescue system as an optional extra

	SLEWING SPEED	0-1,3 RPM
	POWER CONT. DUTY	7,5 kW / 9,75 Hp
	LUFFING SPEED	0-45 m/min
	POWER CONT. DUTY	18 kW

	400 V , 50 Hz	CONTROL VOLTAGE
	480 V , 60 Hz	24 VDC
Main fuse	125 A (400 V, 50 Hz)	
Power Cable	Minimum 4x50mm ²	

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ARTICULATED JIB TOWER CRANE



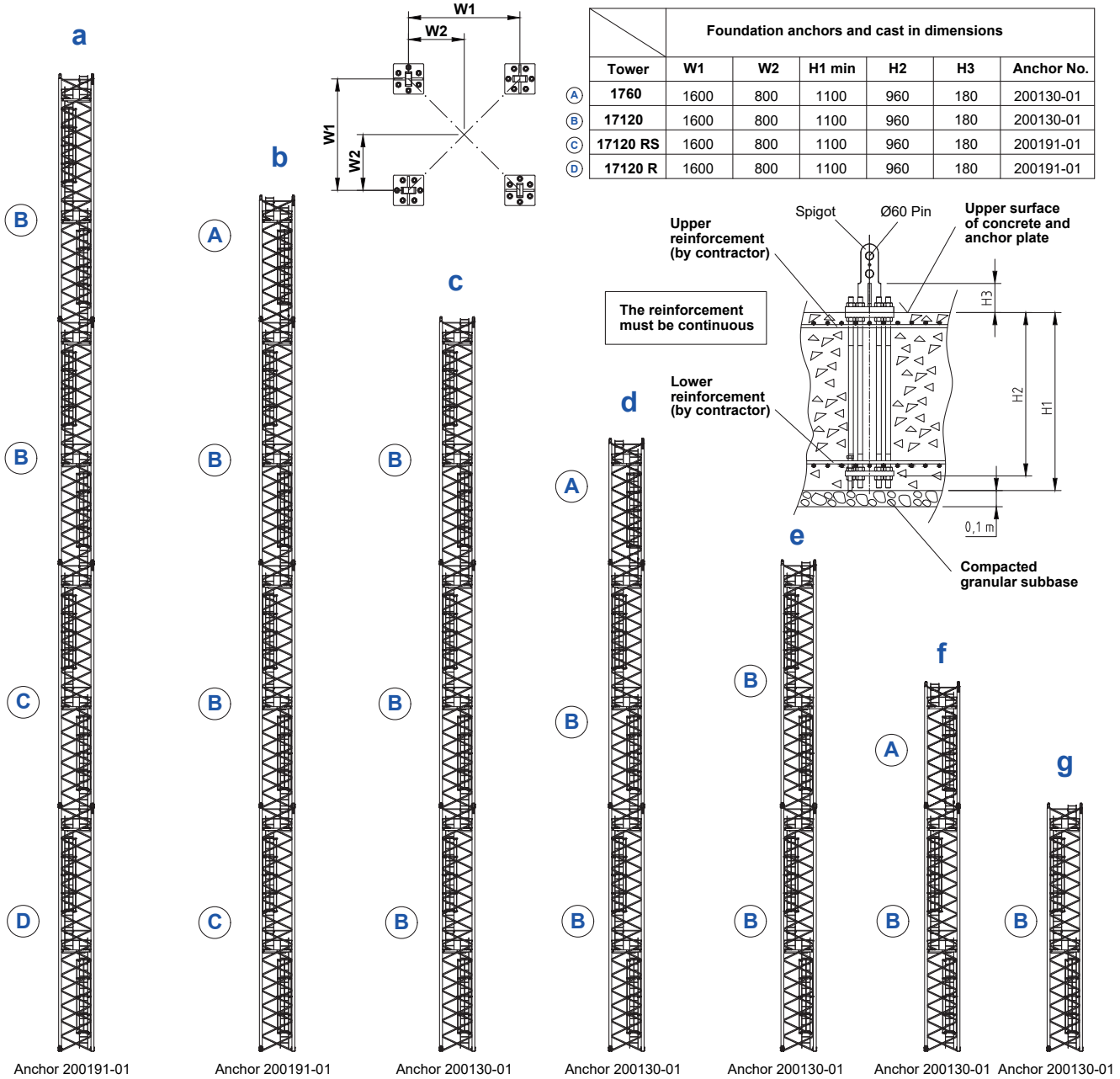
RAPTOR 184

ARTICULATED JIB TOWER CRANE

JIB		7600kg 16720 lbs	20,7 x 2,4 x 3,15 m
HOOK BLOCK		115 kg 253 lbs	0.53 x 0.25 x 0.95 m
CAB		2000 kg 4400 lbs	4,6 x 1,6 x 2,54 m 4,6 x 1,6 x 2,8 m w. AC
COUNTER WEIGHT		4x 4700 kg 4x 10340 lbs	3.51 x 1.34 x 0.6 m
BACK JIB		2100 kg 4620 lbs	3,43 x 1,61 x 1,51 m
SLEWING CENTER		8700kg 19140 lbs	2,7 x 2,03 x 5,75 m
TOWER SECTIONS		(A) 2000kg (B) 4000kg (C) 5500kg (D) 5600kg	1,74 x 1,74 x 6,25 m (Art.No 1760) 1,74 x 1,74 x 12,25 m (Art.No 17120) 1,74 x 1,74 x 12,25 m (Art.No 17120RS) 1,74 x 1,74 x 12,25 m (Art.No 17120R)
BASE CROSS		L1= 4.5 m L1= 6.0 m	5 100 kg 10 500 kg 6.8 x 1.5 x 1.8 m 9.5 x 2.2 x 2.1 m

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ARTICULATED JIB TOWER CRANE

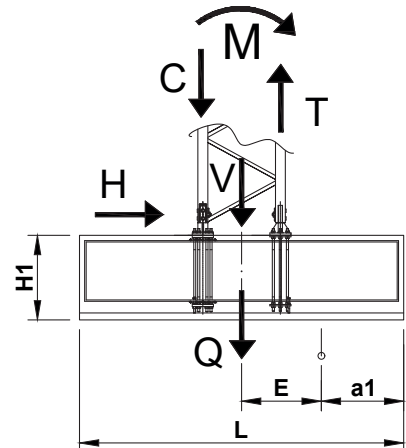


Formula to use when determines the eccentricity loads due to horizontal forces:
 $E [m] = (M + H1 \times H) / (V + Q) > L / 3$

Formula to use when determines the ground pressure:
 $P_{ground} [kNm2] = 2 \times (V+Q) / 3 \times L \times a1 > \text{Admissible ground pressure}$

Tower Height [m]	Foundation Loads									
	Crane In Service S = 100kNm					Crane Out of Service S = 0kNm				
	M [kNm]	H [kN]	V [kN]	T [kN]	C [kN]	M [kNm]*	H [kN]	V [kN]	T [kN]	C [kN]
g 12,2	2687	17	501	1062	1313	1411	41	423	518	729
f 18,2	2687	19	521	1057	1318	1799	50	443	684	906
e 24,2	2714	21	541	1064	1335	2268	60	462	887	1118
d 30,2	2845	23	560	1117	1397	2825	70	482	1128	1369
c 36,2	2988	25	580	1176	1465	3468	80	502	1407	1658
b 42,2	3154	29	615	1240	1548	4240	96	537	1740	2008
a 48,2	3352	32	650	1319	1644	5206	113	572	2158	2444

* Includes 20% wind load factor according to FEM 1.001 Booklet 9



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ARTICULATED JIB TOWER CRANE

