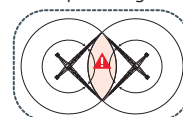
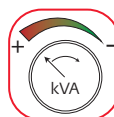
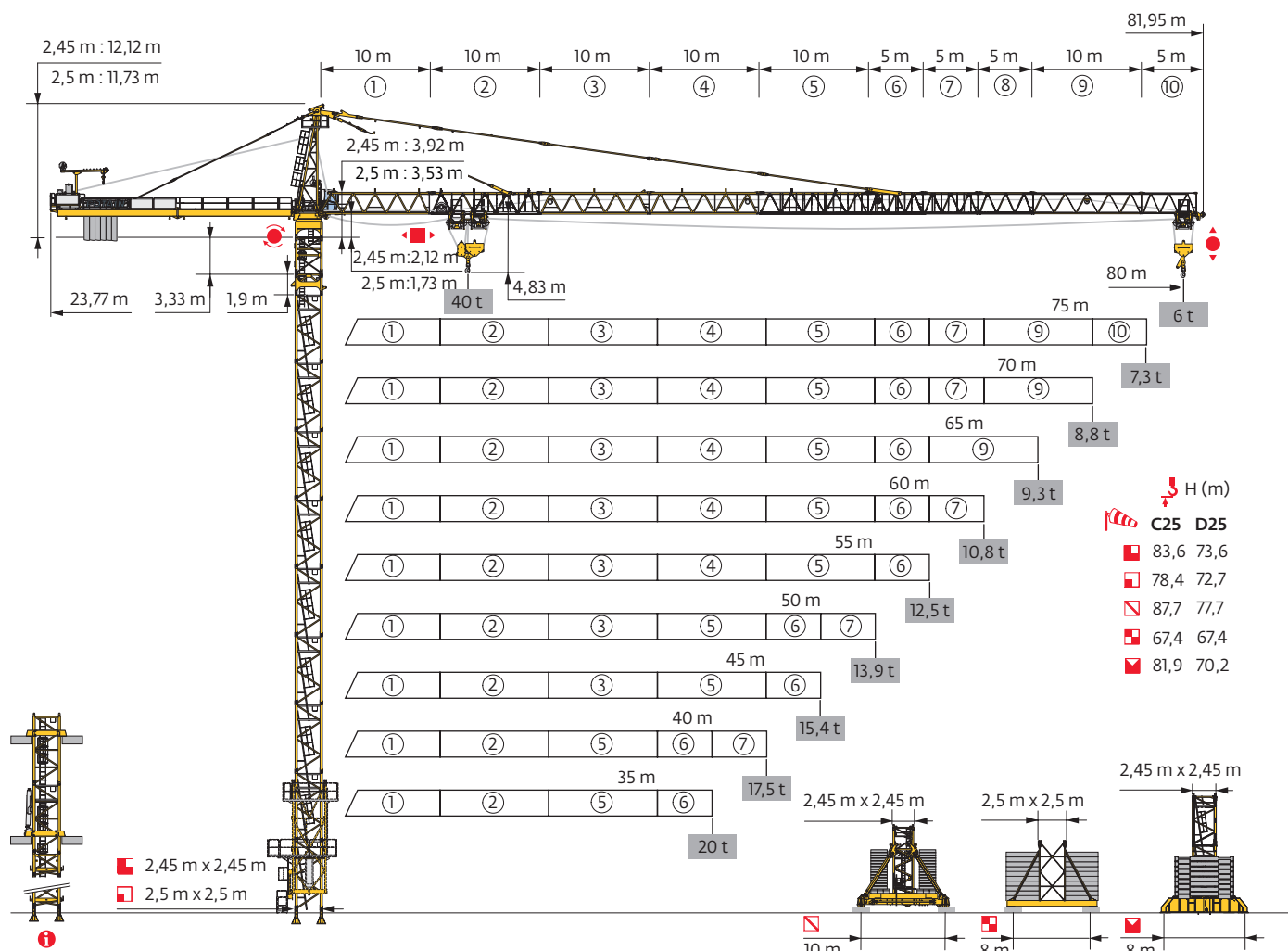


MD 689 M40

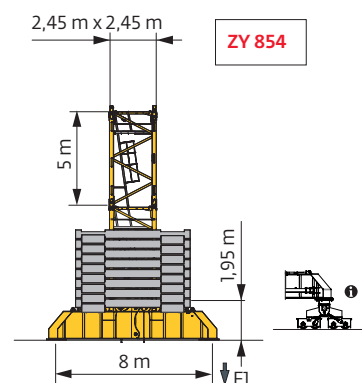
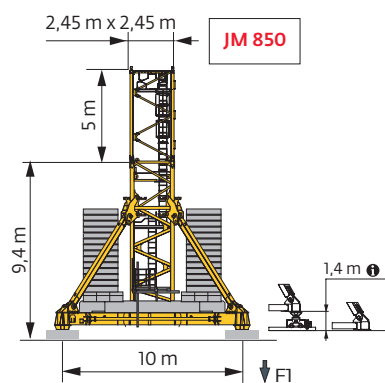
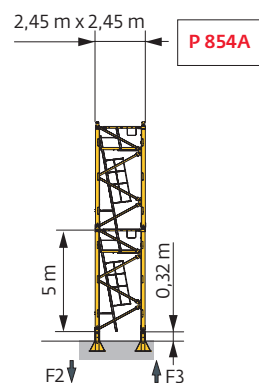


Mât - Réactions / Mast - Reaktionskräfte / Mast - Reactions / Mástil - Reacciones / Torre - Reazioni
Tramo - Reacções / Реакция опор мачты

2,45 m - P 854A - C25										
AVAIL (m)	35	40	45	50	55	60	65	70	75	80
(m)	83,6	83,6	83,6	83,6	83,6	83,6	83,6	83,6	81,9	80,2
/P ₊ (m)	83,6	83,6	83,6	83,6	83,6	83,6	83,6	83,6	81,9	80,2
	3,33 m	1	1	1	1	1	1	1	1	1
	1,9 m	1	1	1	1	1	1	1	1	1
	3,33 m	0	0	0	0	0	0	0	1	2
	5 m	16	16	16	16	16	16	16	15	14
F2 (t)	● 345	346	347	347	353	353	352	356	340	348
	■ 556	555	557	554	559	567	562	567	551	562
F3 (t)	● 238	236	236	233	234	233	230	231	217	223
	■ 469	465	465	460	461	466	460	463	448	458
(m) D25	73,6	73,6	73,6	73,6	73,6	71,9	73,6	71,9	71,9	70,2
/P ₊ (m) D25	73,6	73,6	73,6	73,6	73,6	71,9	73,6	71,9	71,9	70,2

2,45 m - JM 850 - - C25										
AVAIL (m)	35	40	45	50	55	60	65	70	75	80
(m)	86	87,7	87,7	87,7	86	86	86	81	86	84,3
/P ₊ (m)	84,3	84,3	82,7	82,7	81	81	81	81	86	81
	3,33 m	1	1	1	1	1	1	1	1	1
	1,9 m	1	1	1	1	1	1	1	1	1
	3,33 m	1	0	0	0	1	1	1	1	2
	5 m	14	15	15	15	14	14	14	14	13
F1 (t)	● 170	177	177	175	171	171	171	159	175	177
	■ 230	241	241	240	229	232	229	202	233	238
(m) D25	77,7	77,7	77,7	77,7	77,7	76	77,7	76	76	74,3
/P ₊ (m) D25	77,7	77,7	77,7	77,7	77,7	76	77,7	76	76	74,3

2,45 m - ZY 854 - - C25										
AVAIL (m)	35	40	45	50	55	60	65	70	75	80
(m)	81,9	81,9	81,9	81,9	81,9	80,2	80,2	80,2	80,2	78,5
/P ₊ (m)	81,9	81,9	81,9	81,9	81,9	80,2	80,2	80,2	80,2	78,5
	3,33 m	1	1	1	1	1	1	1	1	1
	1,9 m	1	1	1	1	1	1	1	1	1
	3,33 m	2	2	2	2	0	0	0	0	1
	5 m	14	14	14	14	15	15	15	15	14
F1 (t)	● 214	213	215	213	217	212	209	212	210	215
	■ 277	278	278	276	279	266	262	265	272	279
(m) D25	70,2	70,2	70,2	70,2	70,2	70,2	70,2	70,2	70,2	68,5
/P ₊ (m) D25	70,2	70,2	70,2	70,2	70,2	70,2	70,2	70,2	70,2	68,5



❗ Accès motorisés : compositions de mâture, de lest de base et réactions adaptées. / Motorisierter Zugang vom : Mastzusammensetzung, Grundballast und Reaktionskräfte sind angepasst. / Motorized accesses: adapted mast composition, base ballast and reactions. / Acceso a cabina con elevador: Adaptación de composición de mástil, lastre de base y reacciones. / Accessi motorizzati: composizioni elementi torre, zavorre di base e reazioni aggiornate. / Acessos motorizados: composições de coluna, lastro da base e reacções adaptadas. / Лифты : адаптированная композиция мачты, базовый балласт и нагрузки.

2,5 m - P 80A - C25

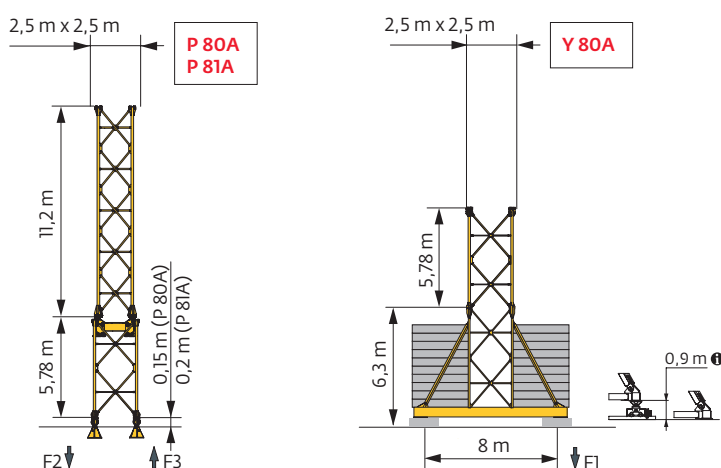
ΔΔΔ (m)	35	40	45	50	55	60	65	70	75	80
⚡ (m)	61,1	61,1	66,9	66,9	61,1	61,1	61,1	55,3	61,1	55,3
⚡/P ₊ (m)	-	-	-	-	-	-	55,3	-	61,1	-
⚡	11,2 m	1	1	1	1	1	1	1	1	1
	5,78 m	9	9	10	10	9	9	9	8	8
F2 (t)	● 231	226	235	234	232	232	228	232	234	228
	■ 162	161	200	198	164	170	166	155	175	157
F3 (t)	● 146	140	145	141	137	135	130	134	132	128
	■ 98	94	130	125	89	94	89	77	93	77
⚡ (m) D25	61,1	61,1	66,9	66,9	61,1	61,1	61,1	55,3	61,1	55,3
⚡/P ₊ (m) D25	-	-	-	-	-	-	55,3	-	61,1	-

2,5 m - P 81A - C25

ΔΔΔ (m)	35	40	45	50	55	60	65	70	75	80
⚡ (m)	78,4	78,4	78,4	78,4	78,4	78,4	78,4	72,7	72,7	72,7
⚡/P ₊ (m)	-	-	-	-	-	-	78,4	-	72,7	-
⚡	11,2 m	1	1	1	1	1	1	1	1	1
	5,78 m	12	12	12	12	12	12	11	11	11
F2 (t)	● 265	260	258	258	266	266	276	265	257	261
	■ 290	289	289	288	295	302	300	255	258	285
F3 (t)	● 171	164	161	158	161	160	167	158	148	151
	■ 217	213	213	208	210	215	212	168	170	195
⚡ (m) D25	72,7	72,7	72,7	72,7	72,7	72,7	72,7	72,7	72,7	72,7
⚡/P ₊ (m) D25	-	-	-	-	-	-	72,7	-	72,7	-

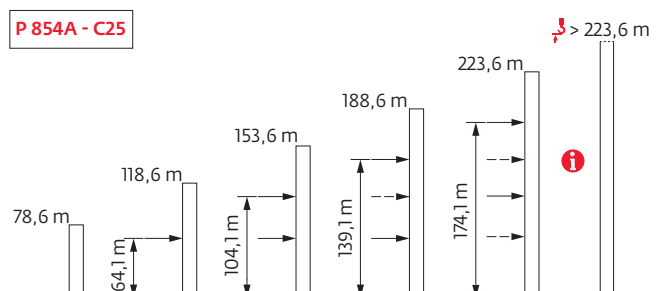
2,5 m - Y 80A - C25

ΔΔΔ (m)	35	40	45	50	55	60	65	70	75	80
⚡ (m)	61,6	67,4	67,4	67,4	61,6	61,6	67,4	61,6	55,8	50
⚡/P ₊ (m)	-	-	-	-	-	-	61,6	-	55,8	-
⚡	11,2 m	1	1	1	1	1	1	1	1	1
	5,78 m	8	9	9	9	8	8	9	8	7
F1 (t)	● 128	132	129	132	132	133	136	137	131	129
	■ 94	106	104	107	101	101	111	103	102	93
⚡ (m) D25	61,6	67,4	67,4	67,4	61,6	61,6	67,4	61,6	55,8	50
⚡/P ₊ (m) D25	-	-	-	-	-	-	61,6	-	55,8	-



Anchages / Verankerungen / Anchorages / Anclajes / Ancoraggi
Ankoragem / нкера

P 854A - C25



Lest de base / Grundballast / Base ballast / Lastre de base / Zavorra di base
 Lastro da base / Базовый Балласт

⚖️ (t) / 📏 2,45 m - JM 850 - 🚧 - C25										
📏 (m)	35	40	45	50	55	60	65	70	75	80
87,7		180	180	168						
86	156	156	156	144	144	144	144		144	
84,3	144	144	144	132	132	132	132		132	156
81	120	120	120	108	96	108	96	96	96	120
76	84	84	84	72	60	60	60	60	60	72
71	60	48	48	48	48	48	48	48	48	48
66	48	48	48	48	48	48	48	48	48	48
61	48	48	48	48	48	48	48	48	48	48
56	48	48	48	48	48	48	48	48	48	48
51	48	48	48	48	48	48	48	48	48	48
46	48	48	48	48	48	48	48	48	48	48
41	48	48	48	48	48	48	48	48	48	48
36	48	48	48	48	48	48	48	48	48	48
31	48	48	48	48	48	48	48	48	48	48
26	48	48	48	48	48	48	48	48	48	48
21	48	48	48	48	48	48	48	48	48	48

⚖️ (t) / 📏 2,45 m - ZY 854 - 🚧 - C25										
📏 (m)	35	40	45	50	55	60	65	70	75	80
81,9	216	204	204	192	192					
80,2	192	180	180	180	168	180	168	168	168	
78,5	180	168	168	168	156	156	156	144	156	180
73,5	132	132	120	120	108	108	108	108	108	132
68,5	96	84	84	84	84	84	84	84	84	84
63,5	84	84	84	72	72	72	72	84	84	84
58,5	72	72	72	72	72	72	72	72	84	84
53,5	72	72	72	72	72	72	72	72	84	84
48,5	72	72	72	72	72	72	72	72	72	84
43,5	72	72	72	72	72	72	72	72	72	72
38,5	72	72	72	72	72	72	72	72	72	72
33,5	72	72	72	72	72	72	72	72	72	72
28,5	72	72	72	72	72	72	72	72	72	72
23,5	72	72	72	72	72	72	72	72	72	72

⚖️ (t) / 📏 2,5 m - Y 80A - 🚧 - C25										
📏 (m)	35	40	45	50	55	60	65	70	75	80
67,4		96	84	96			96			
61,6	96	84	84	84	96	96	96	96		
55,8	96	84	84	84	96	96	96	96	96	
50	84	72	84	84	84	96	96	96	96	96
44,3	84	72	72	84	84	84	84	96	96	96
38,5	84	72	72	72	84	84	84	84	84	96
32,7	84	72	72	72	84	84	84	84	84	84
26,9	84	72	72	72	72	84	84	84	84	84

Courbes de charges / Lastkurven / Load curves / Curvas de cargas / Curve di carico / Curvas de carga / Кривые нагрузок



 (m)			12	15	22	25	30	35	37	40	45	47	50	55	57	60	65	67	70	72	75	77	80	m
 40 t	 20 t																							
80	3,9 → 15,5	27,1 - 29,6	40	40	26,1	22,2	19,7	16,4	15,3	13,9	12,1	11,4	10,6	9,3	8,9	8,3	7,4	7,1	6,7	6,4	6	5,7	5,4	t
	3,9 → 16	28,5 - 31,2	40	40	27,5	23,6	20	17,5	16,4	15	13,1	12,4	11,5	10,2	9,8	9,2	8,2	7,9	7,4	7,1	6,7	6,4	6	t P+
75	3,9 → 16,2	26,8 - 28,6	40	40	26,4	22,1	18,8	15,2	14,1	12,6	11,3	10,9	10,3	9,4	9,1	8,7	7,9	7,6	7,2	7	6,6	t		
	3,9 → 17,2	28,5 - 30,7	40	40	29	24,3	20	16,6	15,3	13,9	12,3	11,9	11,3	10,4	10	9,6	8,7	8,4	7,9	7,6	7,3	t	P+	
70	3,9 → 18,3	29,8 - 31,1	40	40	30,9	25,8	20	17,5	16,4	15	13	12,3	11,5	10,6	10,2	9,7	8,9	8,5	8	t				
	3,9 → 18,4	31,7 - 32,5	40	40	32,9	28,4	21,8	18	16,7	15,2	13,6	13,1	12,6	11,7	11,3	10,7	9,8	9,4	8,8	t	P+			
65	3,9 → 17,5	30,5 - 32,7	40	40	30,2	25,8	20,5	18,5	17,3	15,7	13,6	12,9	11,9	10,5	10,1	9,4	8,5	t						
	3,9 → 18,4	32,9 - 34,4	40	40	33,1	28,4	22,5	19,5	18,2	16,6	14,8	14,1	13,1	11,6	11,1	10,3	9,3	t	P+					
60	3,9 → 17,4	30,9 - 33,2	40	40	30,3	26	20,8	18,8	17,6	16,1	14	13,3	12,3	10,9	10,5	9,8	t							
	3,9 → 18,1	33,4 - 35,1	40	40	32,5	28,1	22,7	20	18,6	17	15,1	14,6	13,5	12	11,5	10,8	t	P+						
55	3,9 → 17,8	32,1 - 34,5	40	40	31,4	27	21,7	19,7	18,5	16,9	14,7	14	13	11,6	t									
	3,9 → 18,5	34,1 - 36,3	40	40	33,1	28,7	23,2	20	19,6	18	15,7	15	14	12,5	t	P+								
50	3,9 → 17,6	32 - 34,5	40	40	31	26,8	21,6	19,7	18,5	16,9	14,8	14,1	13,1	t										
	3,9 → 18,5	34,1 - 36,3	40	40	33,1	28,6	23,2	20	19,6	17,9	15,7	15	13,9	t	P+									
45	3,9 → 17,4	31,6 - 34,1	40	40	30,6	26,4	21,3	19,4	18,2	16,7	14,6	t												
	3,9 → 18,2	33,6 - 35,7	40	40	32,5	28,1	22,8	20	19,2	17,6	15,4	t	P+											
40	3,9 → 17,6	32 - 34,4	40	40	31	26,7	21,6	19,6	18,5	16,9	t													
	3,9 → 18,2	33,5 - 35,6	40	40	32,3	28	22,7	20	19,1	17,5	t	P+												
35	3,9 → 17,7	32,5 - 35	40	40	31,4	27,1	22	20	t															
	3,9 → 18	33,1 - 35	40	40	31,9	27,6	22,4	20	t	P+														

 =  - 2,13 t max.

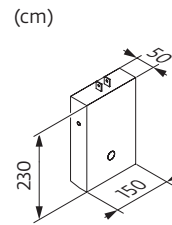
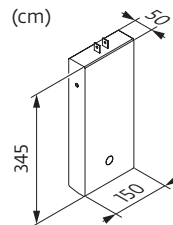
 =  - 2,13 t max.

Poids de flèche & lest de contre-flèche / Auslegergewicht & Gegenauslegerballast / Jib weight & counter-jib ballast / Peso de flecha y lastre de contra-flecha/Peso del braccio & zavorra di contro-braccio/Peso da lança & lastro da contra lança/Вес стрелы и балласт контр-стрелы

	 (kg) (+/- 5%)			
		6000 kg	4000 kg	 (kg)
80 m	28760	6	0	36000
75 m	27755	6	0	36000
70 m	27205	5	1	34000
65 m	26080	5	0	30000
60 m	25810	4	1	28000
55 m	24685	3	2	26000
50 m	23040	2	2	20000
45 m	21920	2	1	16000
40 m	20030	1	2	14000
35 m	18910	1	1	10000

CBC - 6000 kg

CBD - 4000 kg



Encombement et poids / Abmessungen und Gewicht / Dimensions and weight / Dimensiones y peso / Ingombro e peso
 dimensões e pesos / габаритные размеры и вес

Partie tournante / Drehender Kranteil / Slewing crane part / Parte giratoria

Parte rotante / Parte rotativa / Поворотная часть : 80 m - 270 LVF



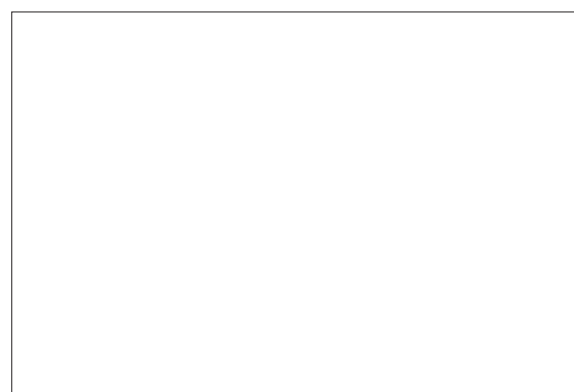
Partie tournante / Drehender Kranteil / Slewing crane part Parte giratoria / Parte rotante / Parte rotativa Поворотная часть		L (m)	l (m)	h (m)	kg (+/- 5%)	
Contre-flèche / Gegenausleger Counter-jib / Contra-flecha Controbraccio / Contra-lança Контр-стрела		11,7	4,7	1,96	6600	
		11,04	3,74	2,07	4925	
Porte-flèche / Auslegerträger Cathead / Porta-flecha Cuspide / Suporte de lança Оголовок		3,54	1,99	9,86	8265	
Cabine / Kabine Cab / Cabina Cabina / Cabina Кабина	Ultra View	5	2,5	2,77	1875	
Pivot / Krankopf Towerhead / Pivote Portaralla / Pivot Секция поворотной части	∇ 2,45 m ∇ 2,5 m	3,7 3,92	2,9 3,05	3,87 3,51	11560 11500	
Treuil de levage (+ câble) / Hubwerk (+ Seil) Hoisting winch (+ rope) / Mecanismo de elevación (+ cabo) Argano di sollevamento (+ fune) Guincho de elevação (+ cabo) Подъемная лебедка (+ канатом)	270 LVF	5,09	2,3	2,24	9885	
Châssis intermédiaire de treuil / Zwischenrahmen des Triebwerks Intermediate winch frame / Chassis intermedio del mecanismo Chassis intermedio / Chassis intermédio do guincho средняя часть рамы лебедки		3,26	2,89	1,66	5663	
Elément de flèche / Auslegerelement Jib section / Elemento de flecha Elemento di braccio / Elemento de lança Секция стрелы		①	10,36	1,9	2,54	5100
		② 15 DVF	10,33	1,9	2,34	5415
		③	10,23	1,9	2,4	3010
		④	10,23	1,9	2,33	2770
		⑤	10,23	1,9	2,32	2850
		⑥	10,21	1,9	2,02	1395
Elément de flèche / Auslegerelement Jib section / Elemento de flecha Elemento di braccio / Elemento de lança Секция стрелы		⑦	5,32	1,9	2,25	1915
		⑧	5,24	1,9	2,04	1125
		⑨	5,24	1,9	2,04	1005
		⑩	5,18	1,9	1,97	550
Chariot / Laufkatze Trolley / Carrello Carro / Carro-distribuidor Тележка	40 t	3,95	2,19	1,67	1420	
Moufle / Hubflasche Pulley block / Aparejo Bozzello / Cadernal Полиспаст	40 t	2,47	0,36	2,88	1837	
Pylône / Kranturm / Crane tower Mástil / Torre / Torre Башня крана						
T 851	∇ 2,45 m	11,18	4,84	5,8	15750	

			L (m)	I (m)	h (m)	kg (+/- 5%)
K 85/K 85-2 Mât de télescopage / Teleskopiermast Telescoping mast / Tramo de telescopaje Elemento di telescopaggio / Tramo de Telescopagem Мачта для телескопирования		2,45 m	2,22	3,25	2,5	3600
Coullisse / Gleitstück Slider / Corredera Scorrimento / Tramo interior de telescopagem выдвижная мачта		2,5 m	11,08	2,1	2,1	7100
Bas de coullisse / Gleitstückunterteil Slider base / Parte baja de corredera Parte inferiore di scorrimento Base do tramo interior de telescopagem основание выдвижной мачты		2,5 m	2,35	1,58	2,35	5960
KM 850.10B KM 850.14B KMT 850.10A KMT 850.14A KMT 850.10C		2,45 m	10,32 10,32 5,32 5,32 3,65	2,54 2,54 2,54 2,54 2,54	2,51 2,51 2,51 2,51 2,51	10070 11190 5450 5990 4230
R 86 R 87 R 87B R 88B		2,5 m	6,4 6,4 6,4 6,4	2,9 2,9 2,9 2,97	2,9 2,9 2,9 2,97	3820 4260 4525 5800
Pieds de scellement / Verankerungsfüße Fixing angles / Pie de empotramiento Montante da annegare / Angulos fixadores анкера		P 854A P 80A P 81A ⓘ	0,9 0,8 -	0,9 0,8 -	1,5 1,21 -	940 1970 -
Mât-châssis / Grundmasteinheit Basic mast unit / Tramo-chasis Elemento base / Tramo-chassis Мачта для крепления к шасси		Y 80A	6	3	3	7400
Haubans / Mastabstützungen / Struts / Tornapuntas Puntoni / Escoras / Растяжка		Y 80A	5,48	0,42	0,37	800
1/2 Longeron / 1/2 Längsträger / 1/2 Side member / 1/2 Larguero 1/2 Longherone / 1/2 Longarina / 1/2 боковина		Y 80A	5,62	1,17	0,6	1000
Longeron / Längsträger / Side member / Larguero Longherone / Longarina / боковина		Y 80A	11,86	1,17	0,6	2100
Support lest / Ballastträger / Ballast support / Soporte de lastre Supporto zavorra / Suporte de lastro / Опора балласта		Y 80A	4,65	0,32	0,66	270
Traverse de châssis / Unterwagentraverse Chassis beam / Traviesa chasis Traversa carro / Travessa chassis балка шасси		Y 80A	8,6	0,7	1,15	2000
Croix centrale (position transport) / Zentralkreuz (Transport- position) / Central cross (transport position) / Brazo central (posición transporte) / Croce centrale (posizione di trasporto) Braço central chassis (posição transporte) / крестообразное основание (транспортное положение)		JM 850	5,2	1,7	1,5	6700
Mât-châssis / Grundmasteinheit Basic mast unit / Tramo-chasis Elemento base / Tramo-chassis Мачта для крепления к шасси		JM 850	8,75	2,5	2,5	14600
Bras de châssis / Unterwagenträger / Chassis girder / Brazo de base en cruz / Traverse del carro / Braço de chassis / опорная балка шасси		JM 850	5,2	0,9	1,55	3200
Tirant de châssis / Unterwagenstreben / Chassis ties / Tirante de base en cruz / Tiranti del carro / Tirante de chassis / тяга крепления шасси		JM 850	7,2	0,25	0,35	250
Haubans / Mastabstützungen Struts / Tornapuntas Puntoni / Escoras Растяжка		JM 850	8,2	0,75	1,3	2300
1/2 Bras de croix / 1/2 Fundamentkreuzträger 1/2 Cross girder / 1/2 Brazo en cruz 1/2 Braccio croce / 1/2 Braço da cruz 1/2 Поперечная балка		ZY 854	5,66	0,98	2,27	5940
Bras de croix / Fundamentkreuzträger Cross girder / Brazo en cruz Braccio croce / Braço da cruz Поперечная балка		ZY 854	11,9	1,42	2,27	13350

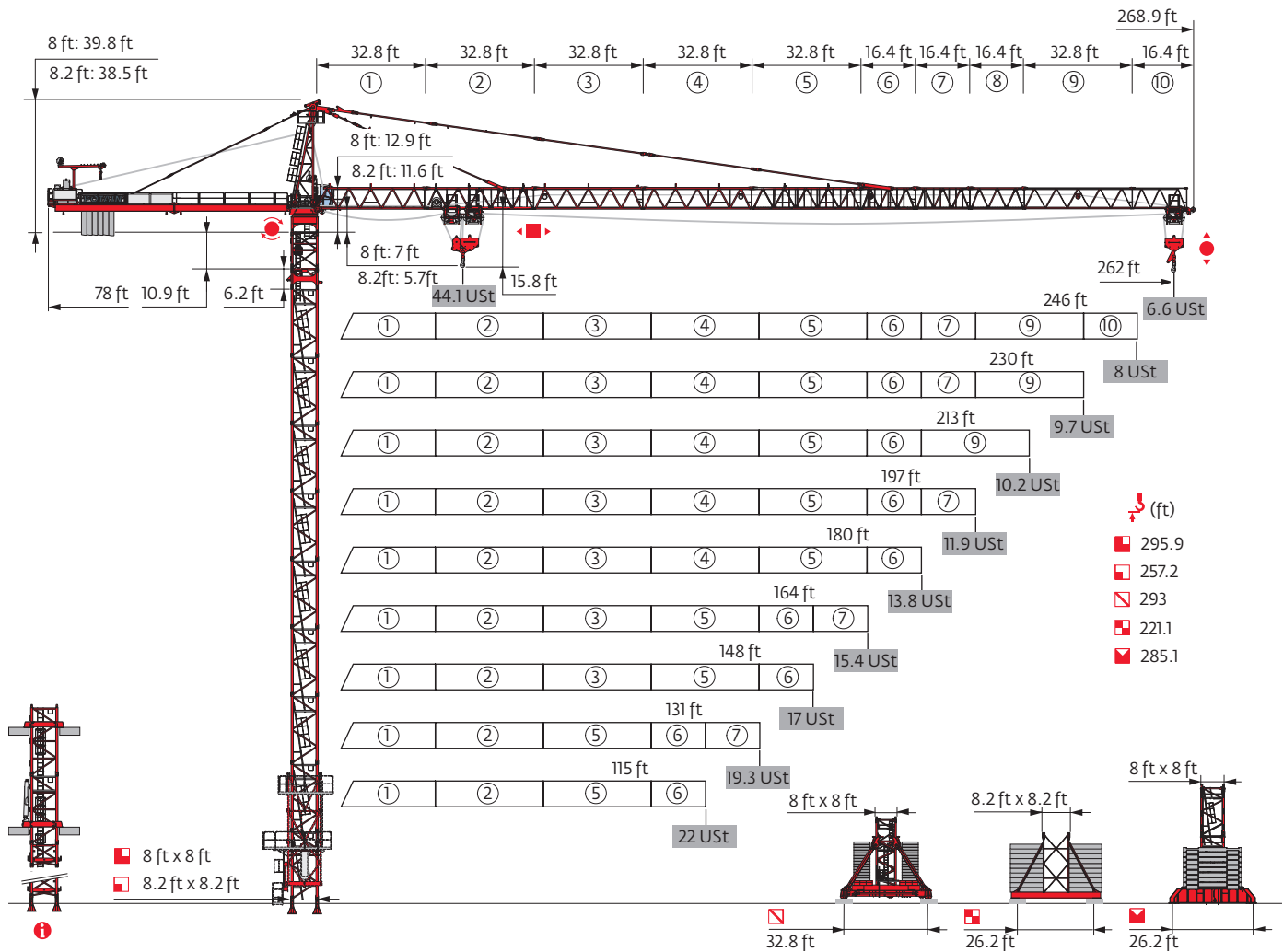
400 V - 50 Hz													ch - PS hp	kW		
	270 LVF 100 Optima	m/min	51	66,5	96	139	162	25,5	33,5	49	71	81	270	200	532 m	
	15 DVF 16 Optima	m/min	0 → 33 (40 t) 0 → 50 (20 t) 0 → 67 (10 t) 0 → 100 (2,5 t)											15	11	
	RVF 173 Optima+	tr/min U/min rpm	0 → 0,7											3 x 10	3 x 7,5	
																

 IEC 60204-32		
400 V (+10% -10%) 50 Hz	257 → 149 kVA	

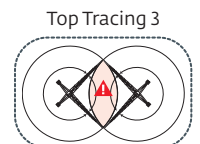
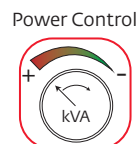
FR	DE	EN	ES	IT	PT	RU
 C25-D25						
Profil de vent suivant EN 14439 C25-D25	Windbedingungen gemäss EN 14439 C25-D25	Wind conditions according to EN 14439 C25-D25	Conformidad de los condiciones de viento EN 14439 C25-D25	Condizioni del vento secondo EN 14439 C25-D25	Perfil de vento conforme EN 14439 C25-D25	Ветровой режим в соответствии с EN 14439 C25-D25
Équipements standards	Standardausrüstungen	Standard equipment	Equipamiento de serie	Equipaggiamento standard	Equipamento de série	Стандартное оборудование
Équipements optionnels	Sonderausrüstungen	Options	Equipamiento opcional	Equipaggiamento in opzione	Equipamento opcional	Дополнительное оборудование (опция)
 P+	Fonction Potain Plus : Courbes de charges Plus	Potain Plus function: Plus load curves	Función Potain Plus: Diagrama de cargas Plus	Funzione Potain PLUS: Curve di carico Plus	Função Potain Plus: Diagrama de cargas Plus	Функция контроля мощности Potain Plus: Диаграммы грузоподъемности Plus
 P+	Hauteurs sous crochet associées aux courbes de charges Plus	Hook heights with Plus load curves	Altura bajo gancho, usando el diagrama de cargas Plus	Altezze sotto gancio con curve di carico Plus	Altura livre, utilizando o diagrama de cargas Plus	Высота под крюком для диаграмм грузоподъемности Plus
	Réactions en service	Reactions in service	Reacciones en servicio	Reazioni in servizio	Reações em serviço	Реакция при работе
	Réactions hors service	Reactions out of service	Reacciones fuera de servicio	Reazioni fuori servizio	Reações fora de serviço	Реакция в покое
	Poids total du lest	Total ballast weight	Peso total del lastre	Peso totale della zavorra	Peso total do lastro	Общий вес балласта
	Cadre d'ancrage serré	Tightened anchorage frame	Marco de anclaje de apriete	Quadro di ancoraggio stretto	Quadro de amarração apertado	Прикрепленная анкерная рама
	Cadre d'ancrage desserré	Loosened anchorage frame	Marco de anclaje de desapriete	Quadro di ancoraggio allentato	Quadro de amarração solto	Отсоединенная анкерная рама
	Poids de flèche	Jib weight	Peso de flecha	Peso del braccio	Peso da lança	вес стрелы
	Camion 13,4 m	Lorry 13,4 m	Camión 13,4 m	Camion 13,4 m	Camião 13,4 m	Резусовой автомобиль 13,4 м
	Conteneur High Cube 40', et/ou Flat Rack 20'	Container High Cube 40', and/or Flat Rack 20'	Contenedor High Cube 40', y/o Flat Rack 20'	Container High Cube 40', e/o Flat Rack 20'	Contentor High Cube 40', e/ou Flat Rack 20'	40-футовый контейнер повышенной вместимости High Cube, и/или 20-футовая открытая платформа Flat Rack
	Levage	Hoisting	Elevación	Sollevamento	Elevação	Подъем
	Distribution	Trolleying	Distribución	Distribuzione	Distribuição	Перемещение по стреле
	Orientation	Slewing	Orientación	Rotazione	Rotação	Поворот
	Translation	Travelling	Traslación	Traslazione	Translação	Перемещение крана
	Puissance requise	Required power	Potencia Necesaria	Potenza richiesta	Potência Necessária	Потребляемая мощность
	Fonction Power Control : vitesses treuils adaptées à la puissance disponible	Power Control Function: winch speeds adapted to the available power	Función Power Control: marchas de los cabrestantes adaptadas a la potencia disponible	Funzione Power Control: velocità degli argani adattate alla potenza disponibile	Função Power Control: velocidades de guincho adaptadas à potência disponível	Функция контроля мощности Power Control: регулировка скорости лебедок в зависимости от доступной мощности
	Nous consulter	Auf Anfrage	Consult us	Consultarnos	Consultateci	Проконсультируйтесь у нас
	Document commercial non contractuel. Pour toute information technique se référer à la notice correspondante.	Unverbindliches Vertriebsdokument. Für technische Informationen, siehe die entsprechenden Anweisungen.	This commercial document is not legally binding. For any technical information, please refer to the corresponding instructions.	Documento comercial no contractual. Para cualquier información técnica, ver la noticia correspondiente.	Documento commerciale non vincolante, per tutte le informazioni tecniche fare riferimento al catalogo istruzioni.	Этот коммерческий документ не является юридически обязательным. Для получения технической информации, см. соответствующие инструкции.



MD 689 M40



MAXIM
Crane Works, L.P.
1-877-MAX-LIFT

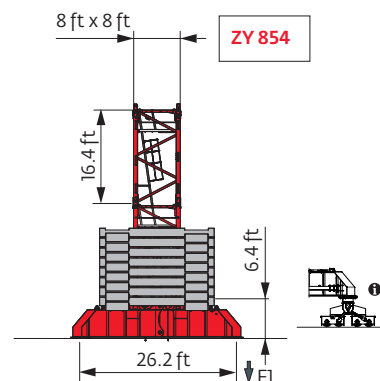
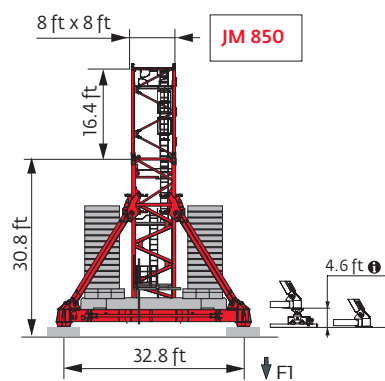
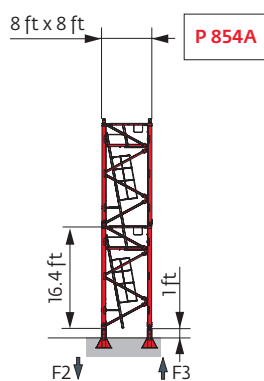


Mast - Reactions

8 ft - P 854A										
Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	295.9	295.9	295.9	295.9	295.9	295.9	290.7	290.7	274.3	285.1
Height/P ₊ (ft)	295.9	295.9	295.9	295.9	290.7	290.7	290.7	285.1	274.3	285.1
10.9 ft	1	1	1	1	1	1	1	1	1	1
6.2 ft	1	1	1	1	1	1	1	1	1	1
10.9 ft	2	2	2	2	2	2	0	0	0	1
16.4 ft	16	16	16	16	16	16	17	17	16	16
F2 (Ust)	408	408	410	410	404	404	407	409	381	407
	613	611	613	610	615	623	587	593	530	611
F3 (Ust)	281	279	279	276	267	265	267	267	244	264
	509	504	504	499	500	506	470	473	415	490

8 ft - JM 850 - 										
Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	282.2	287.7	293	293	282.2	282.2	287.7	265.8	293	276.6
Height/P ₊ (ft)	276.6	276.6	271.3	271.3	265.8	265.8	265.8	265.8	282.2	265.8
10.9 ft	1	1	1	1	1	1	1	1	1	1
6.2 ft	1	1	1	1	1	1	1	1	1	1
10.9 ft	1	0	2	2	1	1	0	1	2	2
16.4 ft	14	15	14	14	14	14	15	13	14	13
F1 (Ust)	170	172	177	178	168	172	173	162	185	175
	209	215	227	225	207	210	215	183	230	218

8 ft - ZY 854 - 										
Height (ft)	115	131	148	164	180	197	213	230	246	262
Height (ft)	285.1	279.5	285.1	285.1	279.5	279.5	279.5	279.5	268.7	268.7
Height/P ₊ (ft)	285.1	279.5	285.1	285.1	279.5	279.5	279.5	279.5	268.7	268.7
10.9 ft	1	1	1	1	1	1	1	1	1	1
6.2 ft	1	1	1	1	1	1	1	1	1	1
10.9 ft	2	0	2	2	0	0	0	0	2	2
16.4 ft	15	16	15	15	16	16	16	16	14	14
F1 (Ust)	236	231	238	239	237	238	238	241	228	234
	288	269	288	286	271	277	273	277	261	281



8.2 ft - P 80A

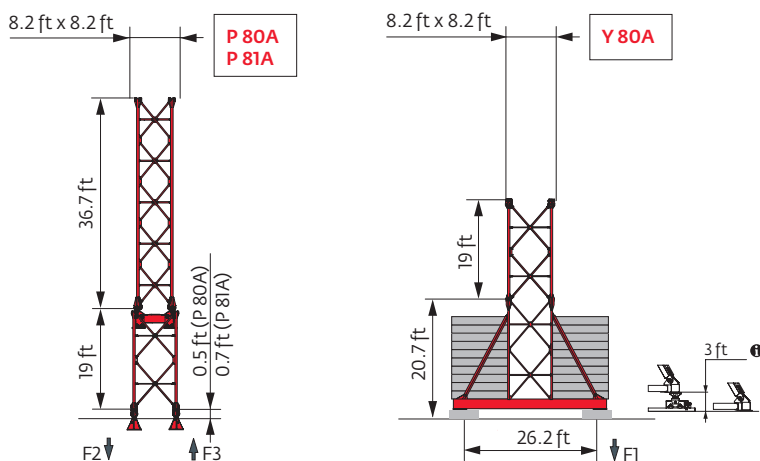
▲▲ (ft)	115	131	148	164	180	197	213	230	246	262
↑ (ft)	200.5	200.5	219.5	219.5	200.5	200.5	200.5	181.4	200.5	181.4
↑/P* (ft)	-	-	-	-	-	-	181.4	-	200.5	-
36.7 ft	1	1	1	1	1	1	1	1	1	1
19 ft	9	9	10	10	9	9	9	8	9	8
F2 (USt)	● 254 ■ 158	249 163	259 180	258 178	255 170	255 166	251 173	256 171	258 170	251 152
F3 (USt)	● 161 ■ 87	154 90	159 103	156 97	151 88	149 82	144 87	148 85	146 80	141 64

8.2 ft - P 81A

▲▲ (ft)	115	131	148	164	180	197	213	230	246	262
↑ (ft)	257.2	257.2	257.2	257.2	257.2	257.2	257.2	238.5	238.5	238.5
↑/P* (ft)	-	-	-	-	-	-	257.2	-	238.5	-
36.7 ft	1	1	1	1	1	1	1	1	1	1
19 ft	12	12	12	12	12	12	12	11	11	11
F2 (USt)	● 292 ■ 263	287 261	284 261	284 260	293 267	294 274	304 272	292 233	283 235	287 265
F3 (USt)	● 189 ■ 182	181 177	178 177	174 172	178 174	176 179	184 175	174 136	163 138	167 166

8.2 ft - Y 80A

▲▲ (ft)	115	131	148	164	180	197	213	230	246	262
↑ (ft)	202.1	221.1	221.1	221.1	202.1	202.1	221.1	202.1	183.1	164
↑/P* (ft)	-	-	-	-	-	-	202.1	-	183.1	-
36.7 ft	1	1	1	1	1	1	1	1	1	1
19 ft	8	9	9	9	8	8	9	8	7	6
F1 (USt)	● 141 ■ 103	145 107	142 104	146 111	146 111	146 110	150 114	152 114	145 112	142 103



Note: When "ASCE" is noted in this data sheet it is referring to 115 mph Wind Zone, Exposure B, Design Wind Speed = 98 mph. See back cover for design wind speed calculations.

Motorized accesses: adapted mast compositions, base ballast and reactions.

Anchorage

Base ballast

🏗️ (Ust) / 📏 8 ft - JM 850 - 🚧										
📏 (ft)	115	131	148	164	180	197	213	230	246	262
293		119.1	119.1					119.1		
287.7		105.8	105.8	105.8			92.6		92.6	
282.2	105.8	105.8	92.6	92.6	79.4	92.6	79.4		79.4	
276.6	92.6	92.6	92.6	79.4	66.1	79.4	66.1		66.1	92.6
265.8	79.4	66.1	66.1	52.9	52.9	52.9	52.9	52.9	52.9	66.1
249.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
232.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
216.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
200.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
183.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
167.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
150.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
134.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
118.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
101.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
85.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
68.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

🏗️ (Ust) / 📏 8 ft - ZY 854 - 🚧										
📏 (ft)	115	131	148	164	180	197	213	230	246	262
285.1	198.4		185.2	185.2						
279.5	185.2	172	172	158.7	158.7	158.7	158.7	145.5		
268.7	158.7	145.5	145.5	132.3	132.3	132.3	132.3	119.1	132.3	158.7
252.3	132.3	119.1	119.1	119.1	119.1	119.1	119.1	119.1	105.8	105.8
235.9	105.8	105.8	105.8	105.8	105.8	92.6	92.6	92.6	92.6	105.8
219.5	92.6	92.6	92.6	92.6	92.6	79.4	79.4	92.6	92.6	92.6
203.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	92.6	92.6	92.6
186.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	92.6	92.6
170.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	92.6
153.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	92.6
137.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
121.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
104.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
88.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
71.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4

🏗️ (Ust) / 📏 8.2 ft - Y 80A - 🚧										
📏 (ft)	115	131	148	164	180	197	213	230	246	262
221.1		105.8	92.6	105.8			105.8			
202.1	105.8	92.6	92.6	92.6	105.8	105.8	105.8	105.8		
183.1	105.8	92.6	92.6	92.6	105.8	105.8	105.8	105.8	105.8	
164	92.6	79.4	92.6	92.6	92.6	105.8	105.8	105.8	105.8	105.8
145.3	92.6	79.4	79.4	92.6	92.6	92.6	92.6	105.8	105.8	105.8
126.3	92.6	79.4	79.4	79.4	92.6	92.6	92.6	92.6	92.6	105.8
107.3	92.6	79.4	79.4	79.4	92.6	92.6	92.6	92.6	92.6	92.6
88.3	92.6	79.4	79.4	79.4	79.4	92.6	92.6	92.6	92.6	92.6

Load curves



	(ft)		39	49	72	82	98	115	121	131	148	154	164	180	187	197	213	220	230	236	246	253	262	ft
	USt	22 USt																						
262	12.8 → 50.8	89 - 97	44.1	44.1	28.7	24.5	21.7	18.1	16.9	15.4	13.3	12.6	11.6	10.3	9.8	9.2	8.2	7.8	7.4	7.1	6.6	6.3	6	USt
	12.8 → 52.6	93.7 - 102.4	44.1	44.1	30.3	26	22	19.3	18.1	16.5	14.4	13.7	12.7	11.3	10.8	10.1	9.1	8.7	8.2	7.8	7.3	7	6.6	USt P+
246	12.8 → 53.2	87.8 - 93.8	44.1	44.1	29.1	24.3	20.7	16.8	15.5	13.9	12.5	12	11.3	10.4	10	9.6	8.7	8.4	7.9	7.7	7.3			USt
	12.8 → 56.6	93.5 - 100.6	44.1	44.1	32	26.7	22	18.3	16.8	15.3	13.6	13.1	12.5	11.4	11	10.5	9.6	9.2	8.7	8.4	8			USt P+
230	12.8 → 60	97.8 - 102	44.1	44.1	34.1	28.4	22	19.2	18.1	16.5	14.3	13.6	12.7	11.7	11.3	10.7	9.8	9.4	8.8					USt
	12.8 → 60.3	104 - 106.5	44.1	44.1	36.3	31.3	24	19.8	18.4	16.7	15	14.5	13.9	12.8	12.4	11.8	10.7	10.3	9.7					USt P+
213	12.8 → 57.3	100.2 - 107.4	44.1	44.1	33.3	28.4	22.6	20.4	19	17.3	15	14.2	13.1	11.6	11.1	10.4	9.3							USt
	12.8 → 60.4	107.8 - 112.8	44.1	44.1	36.5	31.3	24.8	21.5	20	18.3	16.4	15.6	14.4	12.8	12.2	11.4	10.2							USt P+
197	12.8 → 57.1	101.5 - 109	44.1	44.1	33.4	28.7	22.9	20.8	19.4	17.7	15.4	14.6	13.6	12.1	11.5	10.8								USt
	12.8 → 59.5	109.4 - 115.1	44.1	44.1	35.8	31	25	22	20.5	18.7	16.7	16.1	14.9	13.3	12.7	11.9								USt P+
180	12.8 → 58.5	105.3 - 113.3	44.1	44.1	34.6	29.8	23.9	21.7	20.4	18.6	16.2	15.4	14.3	12.8										USt
	12.8 → 60.8	112 - 119.1	44.1	44.1	36.5	31.6	25.6	22	21.6	19.8	17.4	16.5	15.4	13.8										USt P+
164	12.8 → 57.7	105 - 113.1	44.1	44.1	34.2	29.5	23.8	21.7	20.4	18.7	16.3	15.5	14.4											USt
	12.8 → 60.7	111.9 - 118.9	44.1	44.1	36.4	31.5	25.6	22	21.6	19.8	17.3	16.5	15.4											USt P+
148	12.8 → 57	103.8 - 111.8	44.1	44.1	33.7	29.1	23.5	21.4	20.1	18.4	16.1													USt
	12.8 → 59.8	110.2 - 117.1	44.1	44.1	35.8	31	25.1	22	21.2	19.4	17													USt P+
131	12.8 → 57.6	104.8 - 113	44.1	44.1	34.1	29.5	23.8	21.6	20.3	18.6														USt
	12.8 → 59.6	109.8 - 116.6	44.1	44.1	35.6	30.8	25	22	21.1	19.3														USt P+
115	12.8 → 58.1	106.5 - 114.8	44.1	44.1	34.6	29.9	24.2	22																USt
	12.8 → 59	108.5 - 114.8	44.1	44.1	35.2	30.5	24.7	22																USt P+

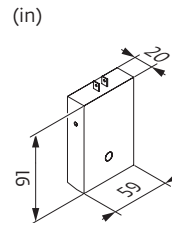
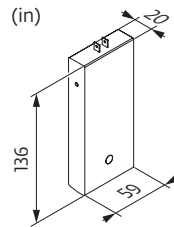
USt = P+ - 2.34 USt max.

Jib weight & counter-jib ballast

	(lb) (+/- 5%)			
		13,228 lb	8,818 lb	(lb)
262 ft	63,405	6	0	79,366
246 ft	61,189	6	0	79,366
230 ft	59,976	5	1	74,957
213 ft	57,496	5	0	66,139
197 ft	56,901	4	1	61,729
180 ft	54,421	3	2	57,320
164 ft	50,794	2	2	44,092
148 ft	48,325	2	1	35,274
131 ft	44,158	1	2	30,865
115 ft	41,689	1	1	22,046

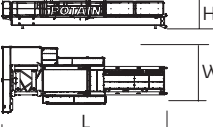
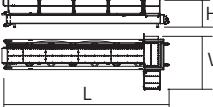
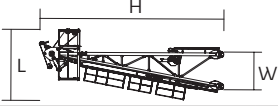
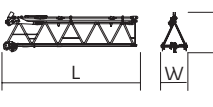
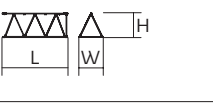
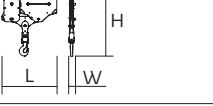
CBC - 13,228 lb

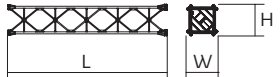
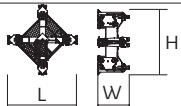
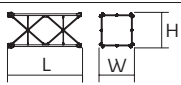
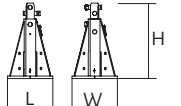
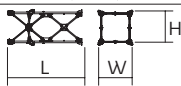
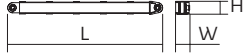
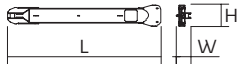
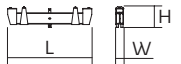
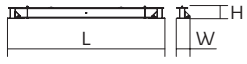
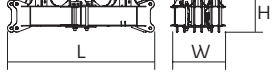
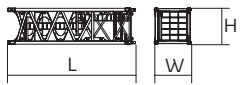
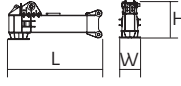
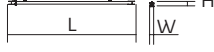
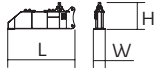
CBD - 8,818 lb



Dimensions and weight

Slewing crane part :  262 ft -  320 LVF

Slewing crane part		L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		38.4	15.4	6.4	14,551
		36.2	12.3	6.8	10,858
Cathead		11.6	6.5	32.3	18,221
Cab	 Ultra View	16.4	8.2	9.1	4,134
Towerhead		12.1	9.5	12.7	25,485
		12.9	10	11.5	25,353
Hoisting winch (+ rope)	 320 LVF	16.7	7.5	7.3	21,793
Intermediate winch frame		10.7	9.5	5.4	12,485
Jib section		① 34	6.2	8.3	11,241
		② 15 DVF	6.2	7.7	11,942
		③	6.2	7.9	6,634
		④	6.2	7.6	6,105
		⑤	6.2	7.6	6,279
		⑨	6.2	6.6	3,075
Jib section		⑥ 17.5	6.2	7.4	4,200
		⑦ 17.2	6.2	6.7	2,400
		⑧ 17.2	6.2	6.7	2,200
		⑩ 17	6.2	6.5	1,200
Trolley	 44.1 USt	13	7.2	5.5	3,100
Pulley block	 44.1 USt	8.1	1.2	9.4	4,000
Crane tower					
Telescopic cage T 851	 8 ft	36.7	15.9	19	34,723

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
K 85/K 85-2 Telescoping mast		8 ft	7.3	10.7	8.2	7,937
Telescopic cage		8.2 ft	24.3	12	19.1	13,669
Slider		8.2 ft	36.4	6.9	6.9	15,653
Slider base		8.2 ft	7.7	5.2	7.7	13,140
KM 850.10B KM 850.14B KMT 850.10A KMT 850.14A KMT 850.10C		8 ft	33.9 33.9 17.5 17.5 12	8.3 8.3 8.3 8.3 8.3	8.2 8.2 8.2 8.2 8.2	22,201 24,670 12,015 13,206 9,326
R 86 R 87 R 87B R 88B		8.2 ft	21 21 21 21	9.5 9.5 9.5 9.7	9.5 9.5 9.5 9.7	8,422 9,392 9,976 12,787
Fixing angles		P 854A P 80A P 81A 	3 2.6 -	3 2.6 -	4.9 4 -	2,072 4,343 -
Basic mast unit		Y 80A	19.7	9.8	9.8	16,314
Struts		Y 80A	18	1.4	1.2	1,764
1/2 Side member		Y 80A	18.4	3.8	2	2,205
Side member		Y 80A	38.9	3.8	2	4,630
Ballast support		Y 80A	15.3	1	2.2	595
Chassis beam		Y 80A	28.2	2.3	3.8	4,409
Central cross (transport position)		JM 850	17.1	5.6	4.9	14,771
Basic mast unit		JM 850	28.7	8.2	8.2	32,187
Chassis girder		JM 850	17.1	3	5.1	7,055
Chassis ties		JM 850	23.6	0.8	1.1	551
Struts		JM 850	26.9	2.5	4.3	5,071
1/2 Cross girder		ZY 854	18.6	3.2	7.4	13,095
Cross girder		ZY 854	39	4.7	7.4	29,432

Mechanisms

480 V - 60 Hz													hp	kW	
	320 LVF 100 Optima	fpm	220	282	387	486	531	112	141	197	243	266	320	240	1,745 ft
	USt		22	16.5	11	7.5	6.6	44.1	33.1	22	15.7	14			
	15 DVF 16 Optima	fpm	0 → 108 (44.1 USt) 0 → 164 (22 USt) 0 → 220 (11 USt) 0 → 328 (2.8 USt)										15	11	
	RVF 173 Optima+	rpm	0 → 0.8										3 x 10	3 x 7.5	
															

	IEC 60204-32		kVA
480 V (+6% -10%) 60 Hz		297 → 169 kVA	
			

These mast combinations meet the EN 14439 and ASME B30.3-2016 specifications for "out of service" wind conditions, provided the illustrated wind speed matches required design wind speed for the location of the tower crane. The "out of service" design wind speed was determined in accordance with ASCE 7-10, Figure 26.5-1A. The wind velocity, used for this configuration was 98 mph (158 kph), which represents a nominal design 3-second wind gust at 33 ft (10 m) above ground for Exposure B category. A factor of 0.85 was applied to the 700-year ultimate design wind speed of 115 mph (185 kph), per ASCE 37-02, with the assumption that this crane is considered a temporary structure used during a construction period of 2 years or less.

	Standard equipment		Jib weight		Required power
	Options		Lorry 44 ft		Power Control Function: winch speeds adapted to the available power
	Potain Plus function: Plus load curves		Container High Cube 40 ft, and/or Flat Rack 20 ft		Consult us
	Hook heights with Plus load curves		Hoisting		
	Reactions in service		Trolleying		
	Reactions out of service		Slewing		
	Total ballast weight		Travelling		



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