



ELMAK®

ELMAK VİNC

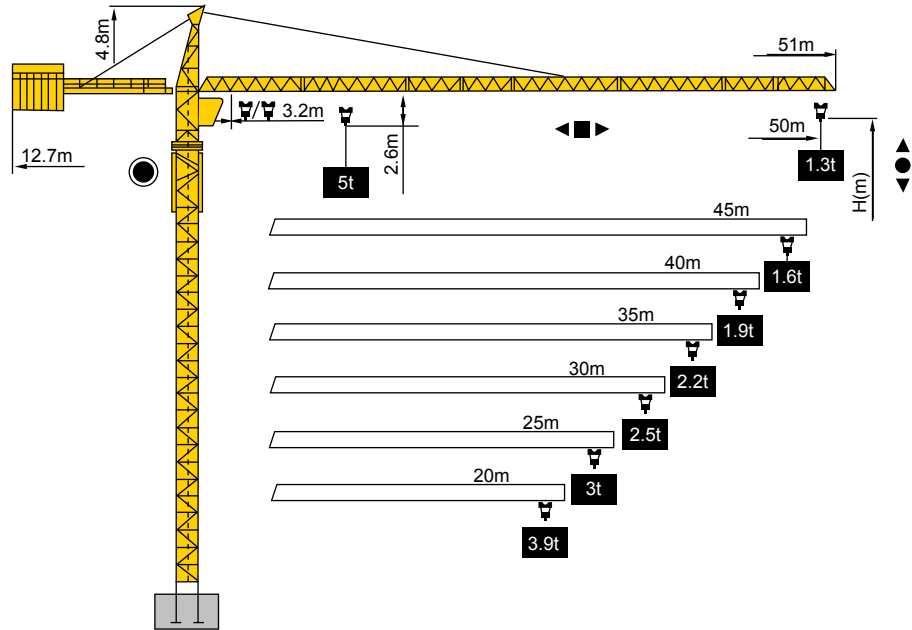
ELMAK KAPI

ELMAK DEMİR

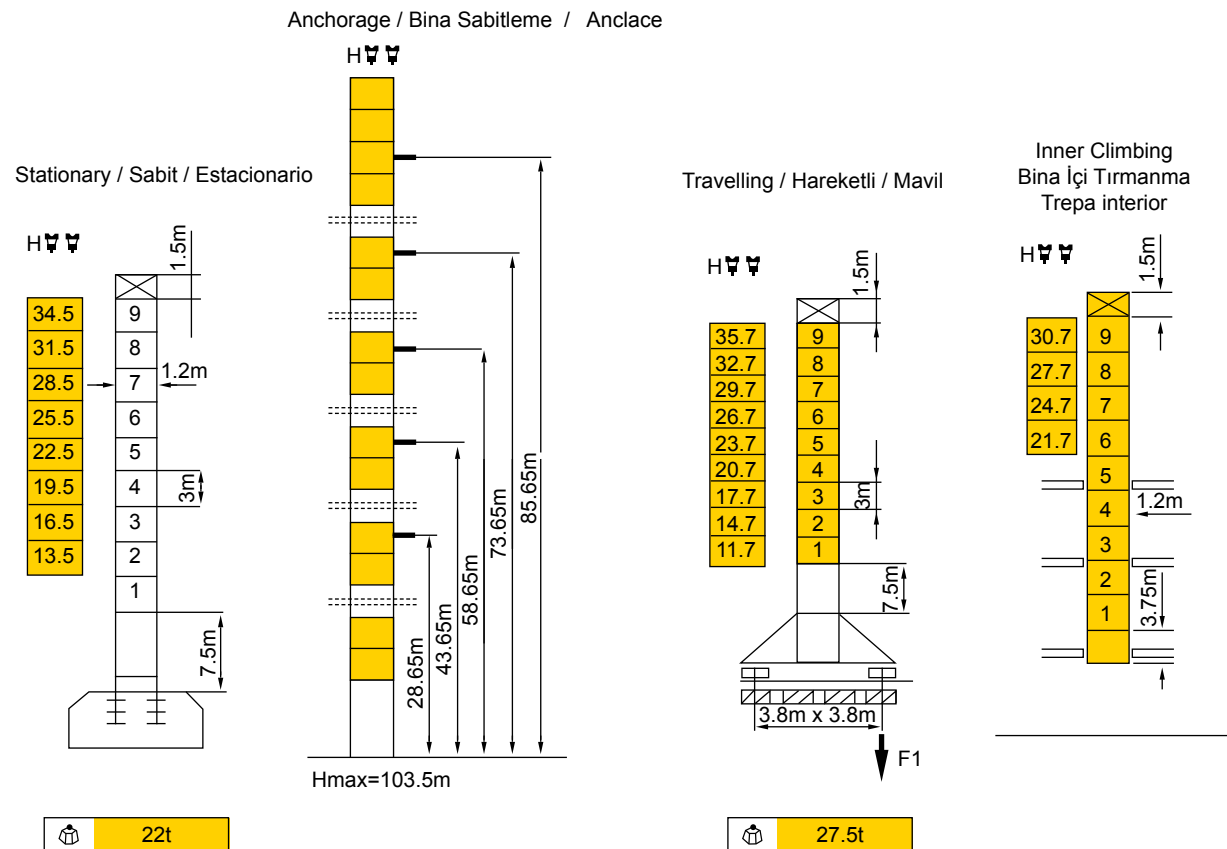
ELMAK ÇAP YAPI MÜHENDİSLİK

EMK 50/5

Outline Dimensions / Anahat Ölçüleri / Dimensiones del contorna



Mast / Mastil 1.2m x 1.2m x 3m



EMK 50/5

Load Diagrams / Yük Diyagramları / Diagramas de carga

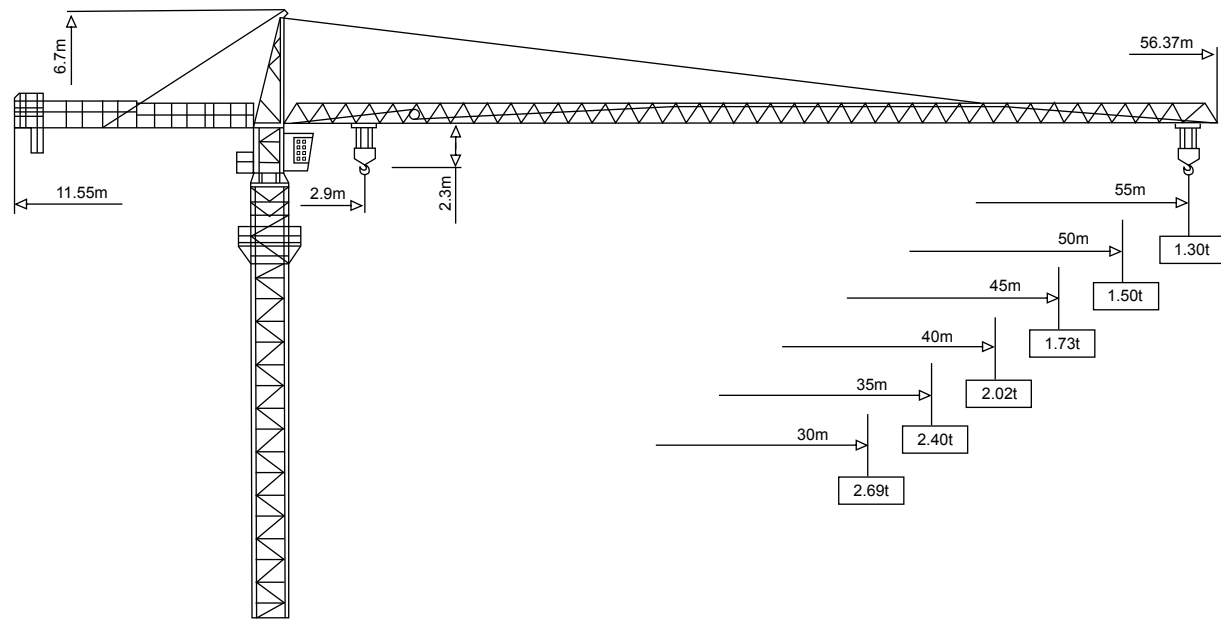
Jib(m) Pluma	Fall	Range(m) Rango	3.2-15	17	19.6	20	22	25	27	30	32	35	37	40	42	45	47	50
50	IV	Load(t) Carga	5	4.3	4	3.6	3.2	2.7	2.5	2.4	2.2	2	1.9	1.7	1.6	1.45	1.4	1.3
	II		2.5							2.4	2.2	2	1.9	1.7	1.6	1.45	1.4	1.3
Jib(m) Pluma	Fall	Range(m) Rango	3.2-16	17	19.6	20	22	25	27	30	32	35	37	40	42	45		
45	IV	Load(t) Carga	5	4.6	4.4	3.8	3.4	2.9	2.65	2.5	2.4	2.2	2	1.85	1.75	1.6		
	II		2.5								2.4	2.2	2	1.85	1.75	1.6		

Mechanism / Mekanizma / Mecanismo

			m/min	t	m/min	t	Rope capacity / Capacidad de la cuerda	ch-PS hp	kW
Hoisting / Kaldırma / Izado		25PC13	6.6	2.5	3.3	5	360m	25	18.4
			33	2.5	16.5	5			
			66	1.3	33	2.6			
Trolleying / Hareketli Şaryo / Transporte		4D3V3		15 30 58				4	3
Slewing / Dönüş / Giratorio		RCV80		0-0.8 tr/min u/min rpm				8	5
Travelling / Hareketli / Recorrido	ZF	TVD324		26				2x4	2x2.9
Power / Güç / Potencia	380V/50Hz 440V/60Hz								

EMK 55/6

Outline Dimensions / Anahat Ölçüleri / Dimensiones del cantorna



Mechanism / Mekanizma / Mecanisma									Drum Capacity /Tambur Sarım Kapasitesi / Capacidad del tambor	Motor / Motor
	33PC15	m/min	9.6	40.0	90.0	4.35	20.0	40.0	450m	24KW
		1	3.00	3.00	1.50	6.00	6.00	3.00		
	X96	m/min	15-38-58							95Nm
	RCV95	m/min	0-0.7							2X95Nm
	RT324	m/min	12.5/25							2X2.5KW

Load Diagram / Yük Diyagram / Diagramas de carga

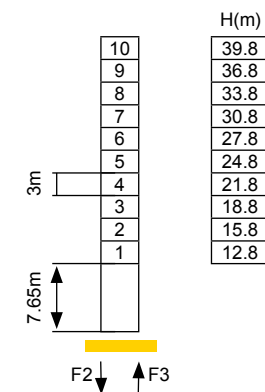
Jib Pluma m	Fall	R(Cmax) m	C(max) t	15	20	26	20.3	30	35	40	45	50	55
55	IV	16.15	6.00	6.00	4.65	3.37	3.00	2.59	2.30	1.92	1.63	1.40	1.20
	II	23.90	3.00	3.00	3.00	3.00	3.00	2.69	2.40	2.02	1.73	1.50	1.30
50	IV	16.15	6.00	6.00	4.65	3.37	3.00	2.59	2.30	1.92	1.63	1.40	
	II	29.30	3.00	3.00	3.00	3.00	3.00	2.69	2.40	2.02	1.73	1.50	
45	IV	16.15	6.00	6.00	4.65	3.37	3.00	2.59	2.30	1.92	1.63		
	II	23.90	3.00	3.00	3.00	3.00	3.00	2.69	2.40	2.02	1.73		
40	IV	16.15	6.00	6.00	4.65	3.37	3.00	2.59	2.30	1.92			
	II	29.30	3.00	3.00	3.00	3.00	3.00	2.69	2.40	2.02			
35	IV	16.15	6.00	6.00	4.65	3.37	3.00	2.59	2.30				
	II	23.90	3.00	3.00	3.00	3.00	3.00	2.69	2.40				

EMK 55/6

Mast / Mastil 1.6m x 1.6m

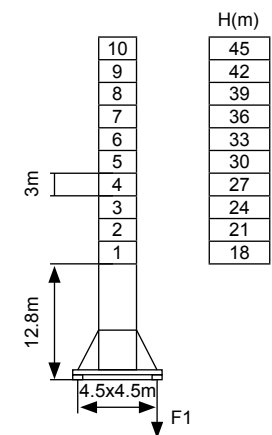
Reactions / Reaksiyonlar / Reacciones

Stationary / Sabit / Estacionario



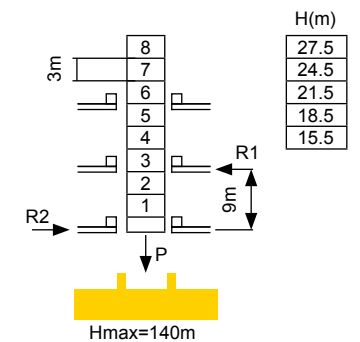
F2	● 82t	■ 100t
F3	● 55t	■ 75t
	38.4t	

Travelling / Hareketli / Masil



F1	● 65t	■ 78t
	45t	

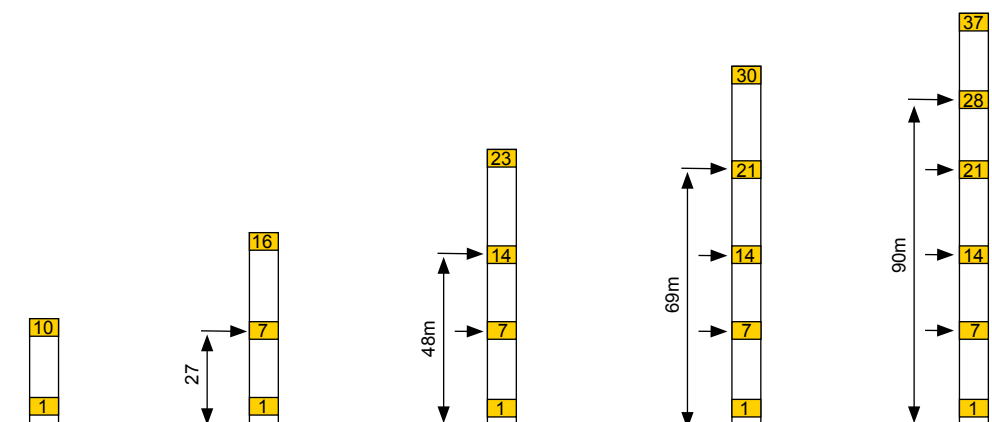
Internal Climbing / Bina İçi Tırmanma / Tropa Interno



P	R1	R2
36.2t	18.8t	16.8t
	38.8t	

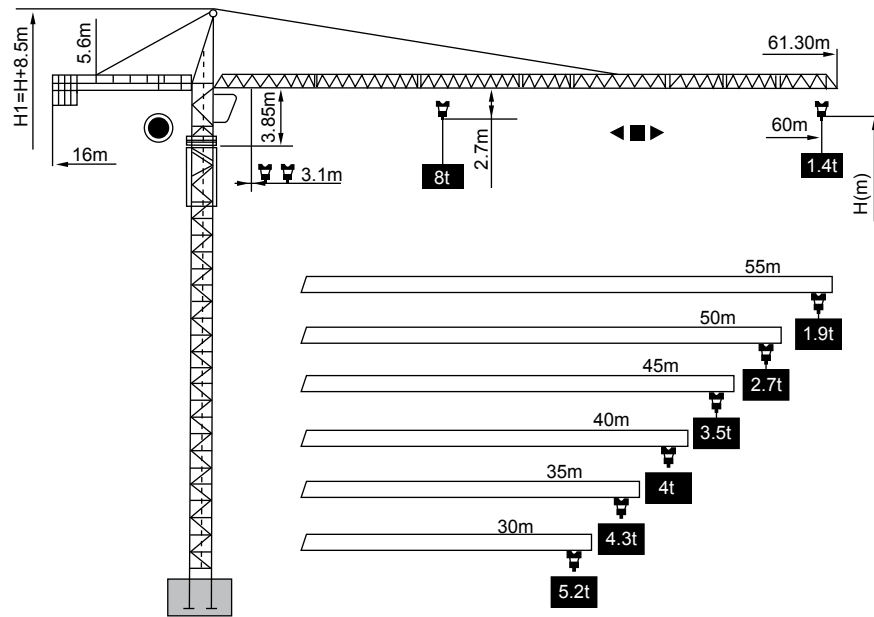
- : In service / Çalışır Durumda / En Servicio
- : Out of Service / Servis Dışı / Fuera de Servicio
- : Withoud load and ballast with longest jib and maximal height / Sincargani balasta canla pluma En uzun bomlu ve maksimum yükseklikte yüksüz ve dengeli / Maslarga yaltura maxima

Anchorage / Bina Sabitleme / Anclaje



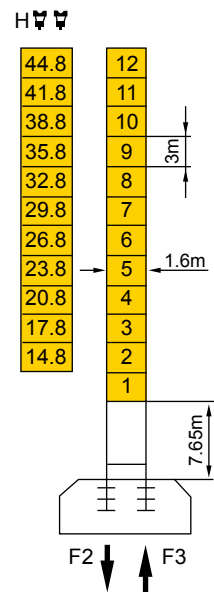
EMK 60/8 1.6m

Outline Dimensions / Anahat Ölçüleri / Dimensiones del



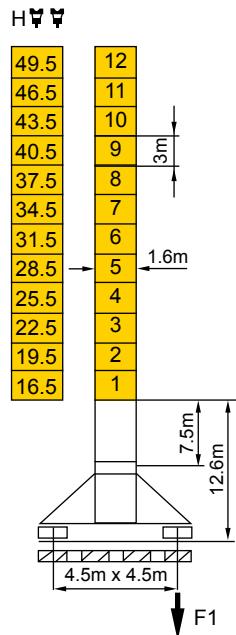
Mast / Mastil L46A1 1.6m x

Stationary / Sabit / Estacionario



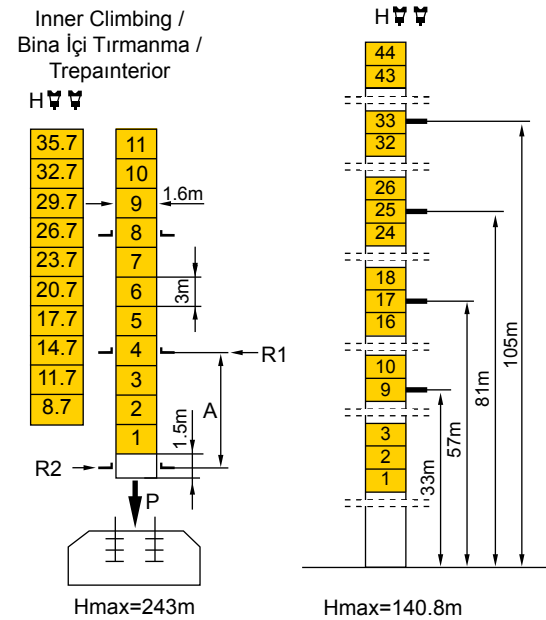
F2	● 102t	■ 130t
F3	● 70t	■ 103t
	43t	

Travelling / Hareketli / Mavil



F1	● 70t	■ 94t
	52t	

Anchorage / Bina Sabitleme / Anclaje



P	R1	R2
68t	21t	19t
	55t	

EMK 60/8 1.6m

Load Diagrams / Yük Diyagramları / Diagramas decarga

Jib(m)	Fall	Range(m)	2.9~10.7	15	19.4	19.7	20	22	25	27	30	32	35	37	40	42	45	47	50	52	55	57	60
60	IV	Load(t)	8	7.2	5	5	4.9	4.5	4	3.9	3.4	3.1	2.8	2.6	2.4	2.25	2.1	1.95	1.8	1.7	1.6	1.5	1.4
Jib(m)	Fall	Range(m)	2.9~12.8	15	17	20	23.4	23.8	25	27	30	32	35	37	40	42	45	47	50	52	55		
55	IV	Load(t)	8	8	7.2	5.9	5	5	4.6	4	3.8	3.7	3.3	3.1	2.8	2.7	2.5	2.3	2.15	2.05	1.9		
Jib(m)	Fall	Range(m)	2.9~14.4	15	17	20	22	26	26.8	27	30	32.9	35	37	40	42	45	47	50				
50	IV	Load(t)	8	8	8	7.4	6.6	5.3	5.1	5.1	4.5	4	3.9	3.9	3.5	3.3	3.1	2.9	2.7				
Jib(m)	Fall	Range(m)	2.9~14.4	15	17	20	22	26.3	26.8	27	30	32	35	37	40	42	45						
45	IV	Load(t)	8	8	8	8	7.5	6.1	6	6	5.2	4.8	4.3	4	4	3.8	3.5						

Jib: Böm / Pluma
Fall: Eğim /
Range: Menzili / Rango
Load: Yük / Diagramas da
Mechanism: Mekanizma / Mecanismo
Speed: Hız / Velocidad
Hoist Weight: Kaldırma Ağırlığı / Altura del elevador
Rope Capacity: Halat Kapasitesi / Capacidad de la cuerda
Hoisting: Kaldırma / Izado
Frequency Control: Frekans Kontrol / Control de frecuencia
Trolleying: Hareketli Şarj / Transporte
Slewing: Dönme / Giratorio
Travelling: Hareketli / Movil
Power: Güç / Potencia

Specification (Mechanism) / Özellikler (Mekanizma) / Especificacion (Mecanismo)

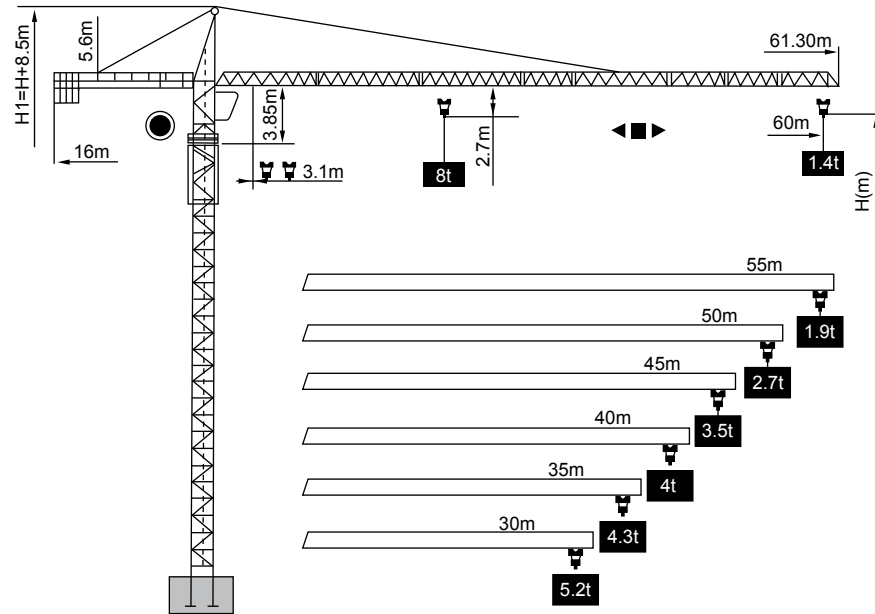
Items / Elementos	Machanism / Mecanismo	Speed (m/min) / Velocidad	Hoist Weight(t) / Altura del elevador	Rope Capacity(m) / Capacidad de la cuerda	Motor(kw) /
Hoisting / Kaldırma / Izado	55RCS25	2 fall	0-50	450 >450*	51.5
		4 fall	0-100		
			0-25		
			0-50		
	33LVF25	2 fall	0-50	450 >450* Frequency control	55
			0-90		
			0-120		
		4 fall	0-25		
			0-45		
			0-60		
Trolleying / Hareketli Şarj / Transporte	X96L	15-30-58			95Nm
	6DVF	0-65	Frequency control		4
Slewing / Dönüş / Giratorio	RCV95	0-0.7 / r/min	Frequency control		2 x 95Nm
	RVF95		Frequency control		2 x 95Nm
Travelling / Hareketli / Recorrido	RT324	12.5-25			2 x 5.2/2.6
Power / Güç / Potencia		380V/50Hz	440V/60Hz		

* To be supplied as per client's specific requirements

* Müşterinin özel isteğine göre tedarik edilir.

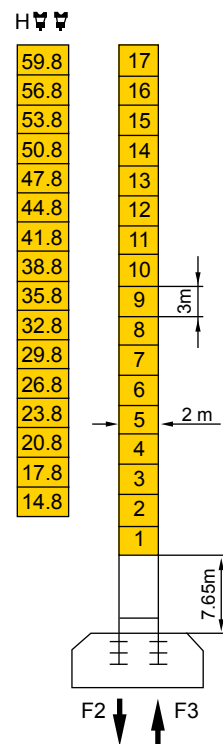
EMK 60/8 2.0m

Outline Dimensions / Anahat Ölçüleri / Dimensiones del contorno

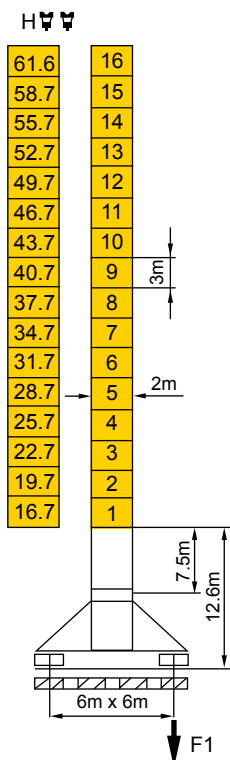


Mast / Mastil L68A1 2m x

Stationary / Sabit / Estacionario

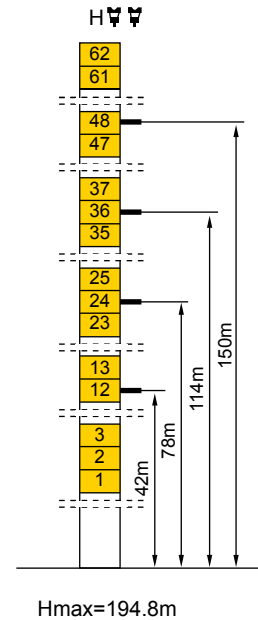
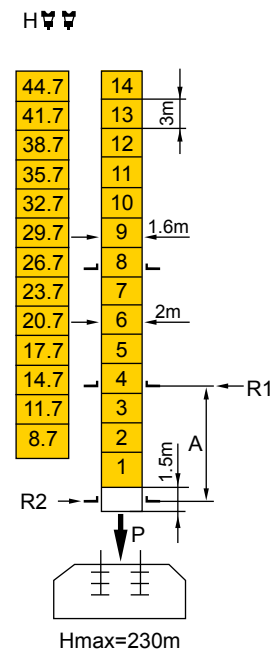


Travelling / Hareketli / Mavil



Anchorage / Bina Sabitleme / Anclaje

Inner Climbing / Bina İçi Tırmanma / Trepainterior



EMK 60/8 2.0m

Load Diagrams / Yük Diyagramları / Diagramas de carga

Jib(m)	Fall	Range(m)	2.9~10.7	15	19.4	19.7	20	22	25	27	30	32	35	37	40	42	45	47	50	52	55	57	60
60	IV	Load(t)	8	7.2	5	5	4.9	4.5	4	3.9	3.4	3.1	2.8	2.6	2.4	2.25	2.1	1.95	1.8	1.7	1.6	1.5	1.4
Jib(m)	Fall	Range(m)	2.9~12.8	15	17	20	23.4	23.8	25	27	30	32	35	37	40	42	45	47	50	52	55		
55	IV	Load(t)	8	8	7.2	5.9	5	5	4.6	4	3.8	3.7	3.3	3.1	2.8	2.7	2.5	2.3	2.15	2.05	1.9		
Jib(m)	Fall	Range(m)	2.9~14.4	15	17	20	22	26	26.8	27	30	32.9	35	37	40	42	45	47	50				
50	IV	Load(t)	8	8	8	7.4	6.6	5.3	5.1	5.1	4.5	4	3.9	3.9	3.5	3.3	3.1	2.9	2.7				
Jib(m)	Fall	Range(m)	2.9~14.4	15	17	20	22	26.3	26.8	27	30	32	35	37	40	42	45						
45	IV	Load(t)	8	8	8	8	7.5	6.1	6	6	5.2	4.8	4.3	4	4	3.8	3.5						

Jib: Bom / Pluma
Fall: Eğim /
Range: Menzil / Rango
Load: Yük / Diagramas da
Mechanism: Mekanizma / Mecanismo
Speed: Hız / Velocidad
Hoist Weight: Kaldırma Ağırlığı / Altura del elevador
Rope Capacity: Halat Kapasitesi / Capacidad de la cuerda
Hoisting: Kaldırma / Izado
Frequency Control: Frekans Kontrol / Control de frecuencia
Trolleying: Hareketli Şaryo / Transporte
Slewing: Dönme / Giratorio
Travelling: Hareketli / Movil
Power: Güç / Potencia

Specification (Mechanism) / Özellikler (Mekanizma) / Especificacion (Mecanizma)

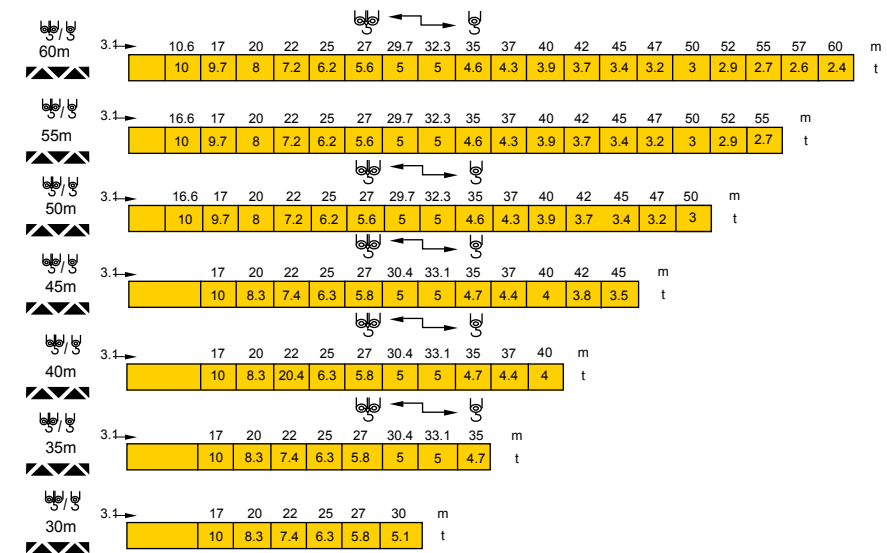
Items / Elementos	Machanism / Mecanismo	Speed (m/min) / Velocidad		Hoist Weight(t) / Altura del elevador	Rope Capacity(m) / Capacidad de la cuerda	Motor(kw) /
Hoisting / Kaldırma / Izado	55RCS25	2 fall	0-50	4	450 >450*	51.5
			0-100	2		
		4 fall	0-25	8		
			0-50	4		
	33LVF25	2 fall	0-50	4	450 >450* Frequency control	55
			0-90	2		
			0-120	1.0		
		4 fall	0-25	8		
			0-45	4		
			0-60	1.0		
Trolleying / Hareketli Şaryo / Transporte	X96L	15-30-58				95Nm
	6DVF	0-65		Frequency control		4
Slewing / Dönüş / Giratoria	RCV95	0-0.7 / r/min				2 x 95Nm
	RVF95			Frequency control		2 x 95Nm
Travelling / Hareketli / Recorrido	RT324	12.5-25				2 x 5.2/2.6
Power / Güç	380V/50Hz 440V/60Hz					

* To be supplied as per client's specific requirements

* Müşterinin özel isteğine göre tedarik edilir.

EMK 60/10

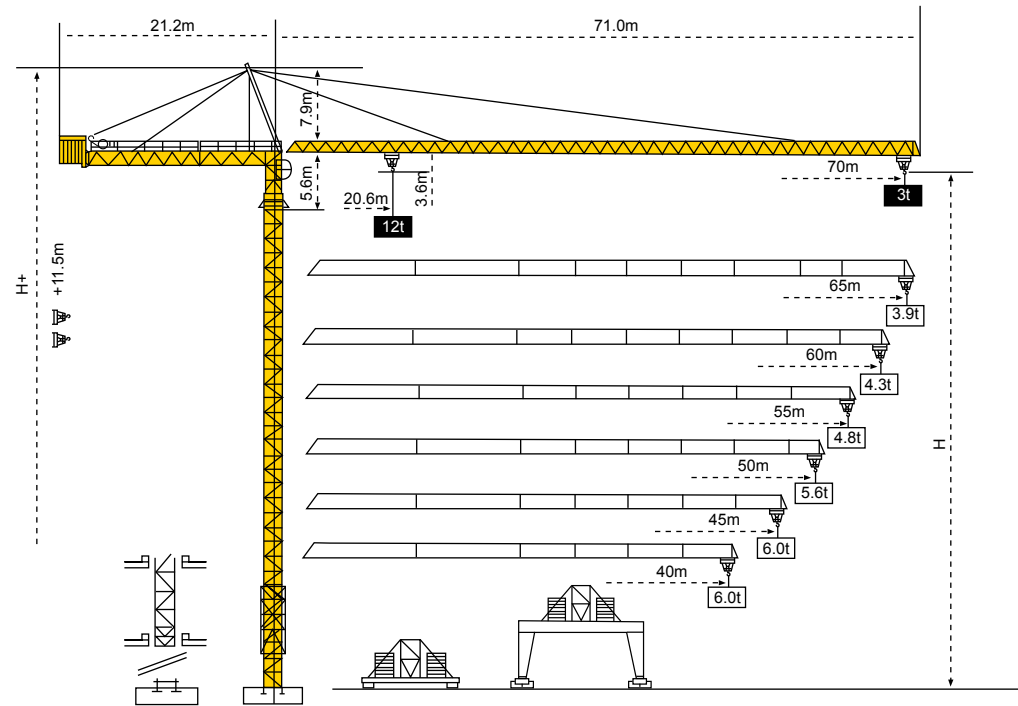
Load Diagrams / Yük Diyagramları / Diagramas de carga



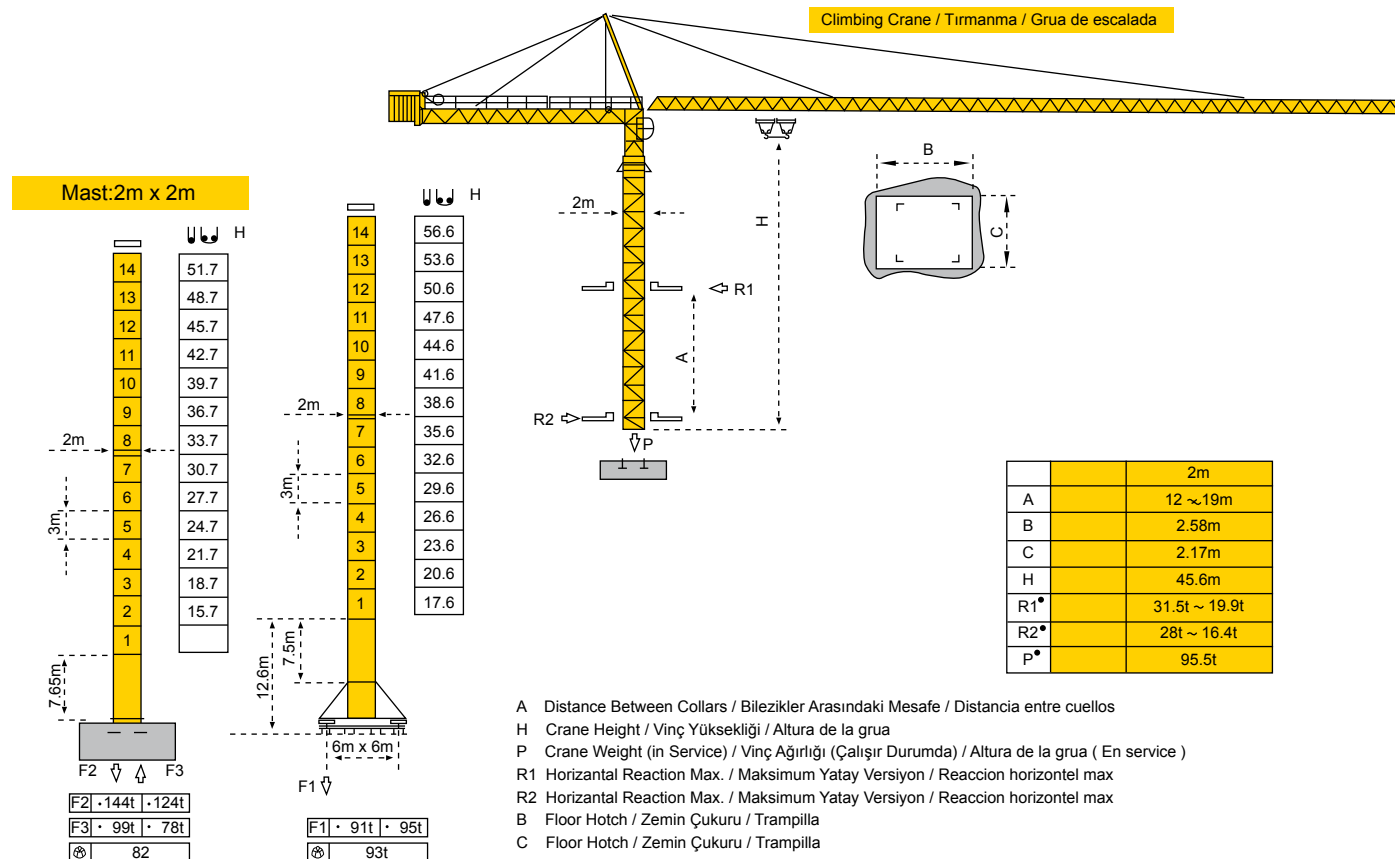
				m/mim	t	m/mim	t		ch-PS hp	KW
Hosting Izado				0-84	2.6	0-42	5.2	>560m	55	40.5
Trolleying Transporte				6 DVF		15-58			5	3.7
Slewing Giratoria				RCV 185		0-0.8 tr/min rpm			2x6	2x4.4
Travelling Movil	Q 2m	VB 20A  R>13M		RT 544		13.5-27			4x7	4x5.2
POWER Potencia 400V (+6%-10%) 50Hz 75 KVA 50 LUF										

EMK 70/12

Outline Dimensions / Anahat Ölçüleri / Dimensiones del conorno

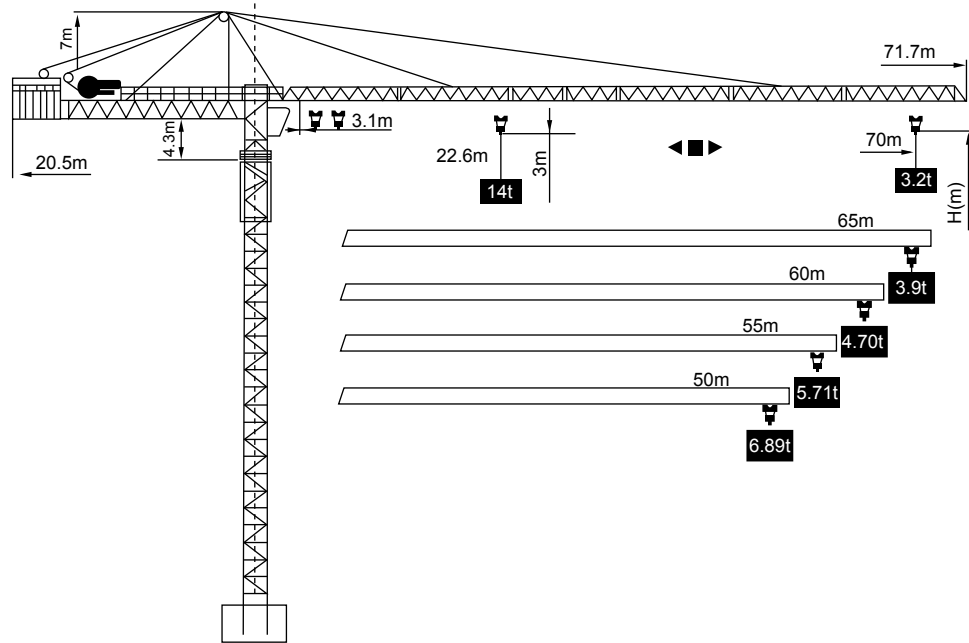
Reactions / Reaksiyonlar /
Reacciones● In service / En servicio
■ Out of Service / Fuera de servicio

Self-Load / Autocarga

Without load and counter-weight / Sin carga con contrapeso
With longest jib and standart height / Con la pluma mas larga y altura estandar

EMK 70/14

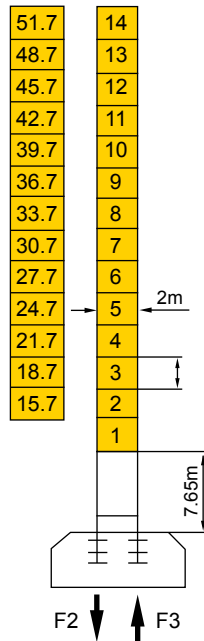
Outline Dimensions / Anahat Ölçüleri / Dimensiones del contorno



Mast L68B1 2m x 2m

Stationary / Sabit / Estacionario

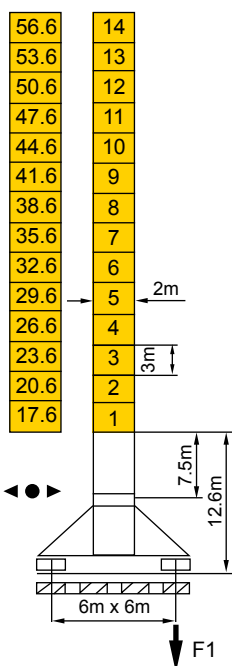
H 7 7



F2	● 136t	■ 148t
F3	● 96t	■ 104t
	78t	

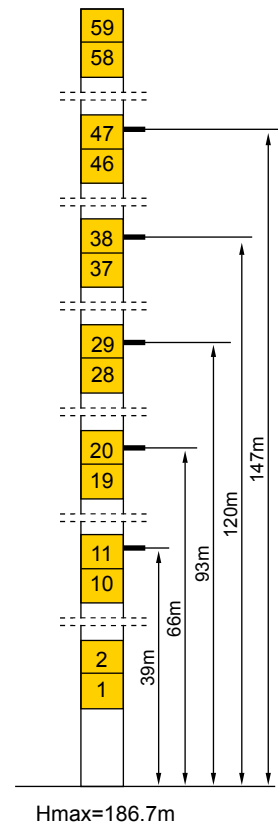
Travelling / Hareketli / Mavil

H 7 7



F1	● 89t	■ 98t
	93t	

Anchorage / Bina Sabitleme / Anclaje



EMK 70/14

Load Diagrams / Yük Diyagramları / Diagramas de carga

Jib(m)	Fall	Range(m)	3.19~19.5	20	22	25	27	30	32	35	37	40	42	45	47	50	52	55	57	60	62	65	67	70
70	IV	Load(t)	14	13.5	12	10.3	9.37	8.16	7.58	6.77	6.3	5.69	5.33	4.85	4.19	3.96	3.65	3.48	3.2	3.04	2.28	2.68	2.68	2.5
	II		7										6.99	6.38	6.02	5.54	5.26	4.88	4.65	4.34	4.15	3.89	3.73	3.51
Jib(m)	Fall	Range(m)	3.1~20.9	22	25	27	30	32	35	37	40	42	45	47	50	52	55	57	60	62	65			
65	IV	Load(t)	14	13.2	11.3	10.3	9.08	8.38	7.48	6.97	6.31	5.92	5.4	5.08	4.67	4.42	4.08	3.87	3.59	3.42	3.18			
	II		7										6.71	6.18	5.86	5.43	5.18	4.83	4.62	4.34	4.17	3.93		
Jib(m)	Fall	Range(m)	3.1~22.5	25	27	30	32	35	37	40	42	45	47	50	52	55	57	60						
60	IV	Load(t)	14	13.4	11.2	9.93	9.18	8.21	7.66	6.94	6.52	6.71	6.37	5.92	5.65	5.29	5.07	4.01						
	II		7										6.71	6.37	5.92	5.65	5.29	5.07	4.76					
Jib(m)	Fall	Range(m)	3.1~24	25	27	30	32	35	37	40	42	45	47	50	52	55								
55	IV	Load(t)	14	13.1	11.6	10.7	9.61	8.88	8.29	7.52	7.07	6.47	6.12	5.64	5.35	4.96								
	II		7										6.68	6.39	6.1	5.71								
Jib(m)	Fall	Range(m)	3.1~25.5	27	30	32	35	37	40	42	45	47	50											
50	IV	Load(t)	14	13.1	11.6	10.7	9.61	8.98	8.15	7.76	7.03	6.65	6.14											
	II		7										6.89											

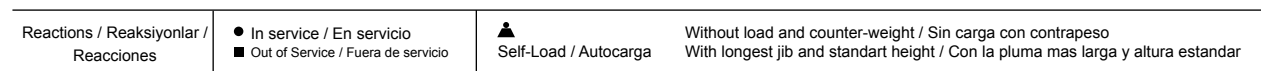
Jib: Bom / Pluma
Fall: Ejm /
Range: Menzil / Rango
Load: Yk / Diagramas da
Mechanism: Mekanizma / Mecanismo
Speed: Hız / Velocidad
Hoist Weight: Kaldırma Ağırlığı / Altura del elevador
Rope Capacity: Halat Kapasitesi / Capacidad de la cuerda

Jib: Bom / Pluma
 Fall: Eğim /
 Range: Menzil / Rango
 Load: Yük / Diagramas da
 Mechanism: Mekanizma / Mecanismo
 Speed: Hız / Velocidad
 Hoist Weight: Kaldırma Ağırlığı / Altura del elevador
 Rope Capacity: Halat Kapasitesi / Capacidad de la cuerda
 Hoisting: Kaldırma / Izado
 Frequency Control: Frekans Kontrol / Control de frecuencia
 Trolleying: Hareketli Şarj / Transporte
 Slewing: Dönme / Giratorio
 Travelling: Hareketli / Movil
 Power: Güç / Potencia

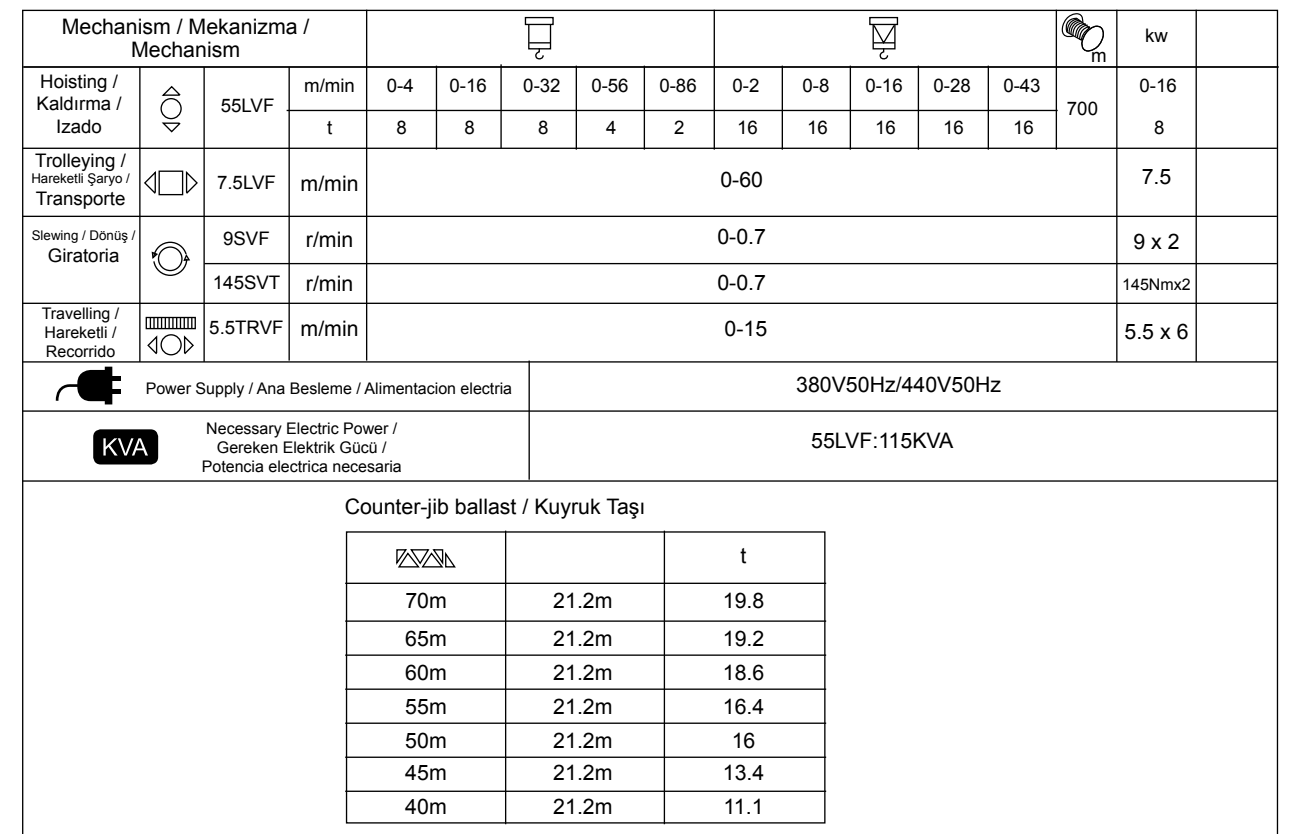
Specification (Mechanism) / Özellikler (Mekanizma) / Especificacion (Mecanizma)

Items / Elementos	Machanism / Mecanismo		Speed (m/min) / Velocidad		Hoist Weight(t) / Altura del elevador	Rope Capacity(m) / Capacidad de la cuerda	Motor(kw) /	
Hoisting / Kaldırma / Izado	14t	55LVF35	2 fall	0-22	7	500 >500*	55	
				0-44	3.5			
				0-60	1.75			
			4 fall	0-11	14			
				0-22	7			
				0-30	3.5			
		90LVF35	2 fall	0-56	7	500 >500*	Frequency Control	90
				0-112	3.5			
				0-168	1.75			
	4 fall		0-28	14				
			0-56	7				
			0-84	3.5				
Trolleying / Hareketli Şarj / Transporte	X120K		15-30-58				120Nm	
	4TVF		0-55		Frequency Control		5	
Slewing / Dönüş / Giratoria	RCV185		0-0.7r/min				2 x 185Nm	
	RVF185				Frequency Control		2 x 185Nm	
Travelling / Hareketli / Recorrido	RT443		12.5-25				4 x 3.4/1.7	
Power / Güç	380V/50Hz 440V/60Hzv							

Outline Dimensions / Anahat Ölçüleri / Dimensiones del conorno

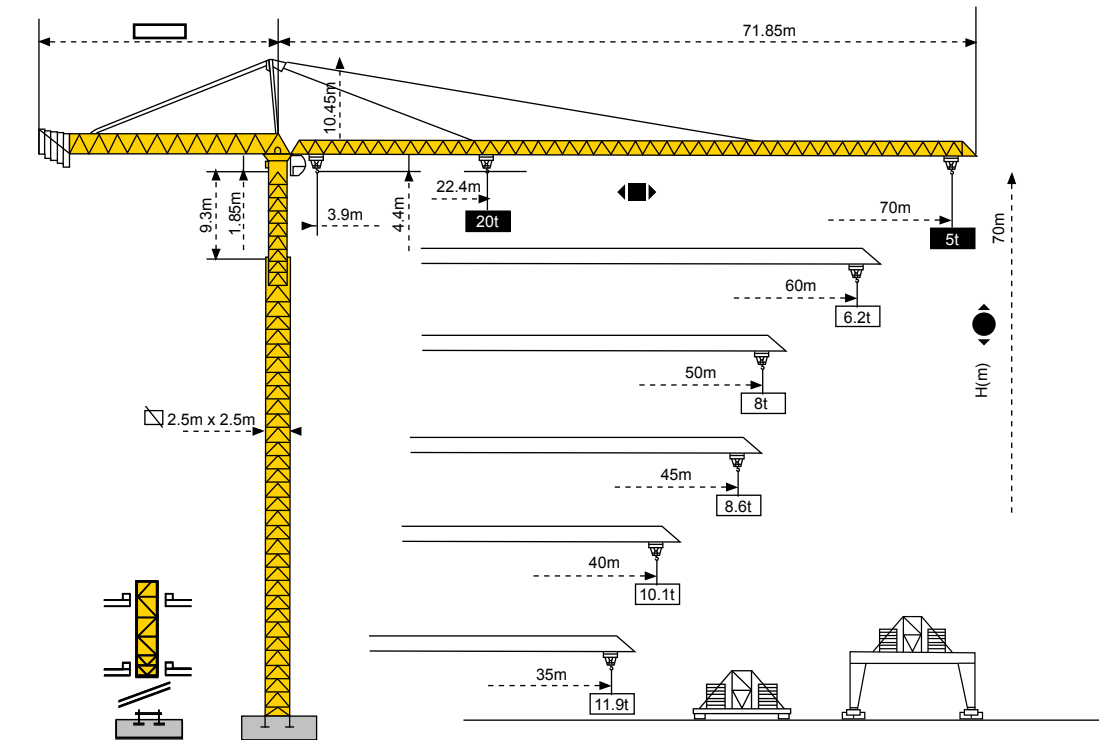


Load Diagrams / Yük Diyagramları / Diagramas de carga

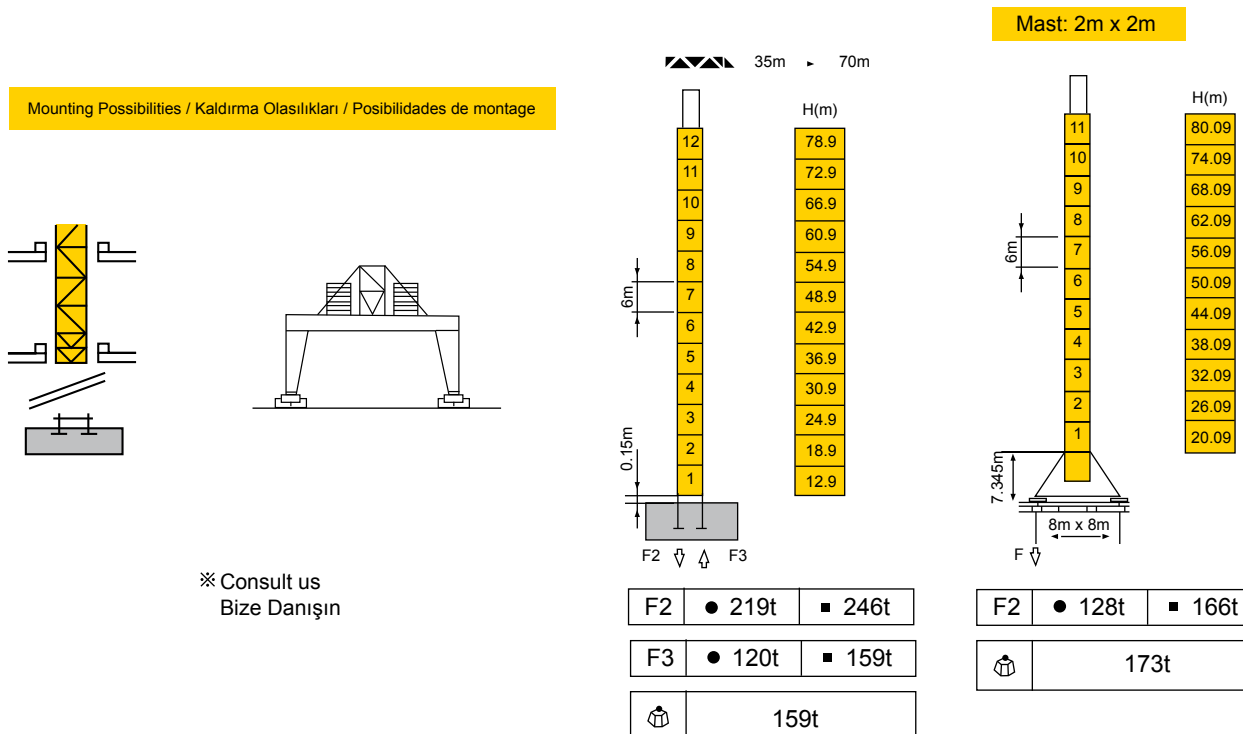


EMK 70/20

Outline Dimensions / Anahat Ölçüleri / Dimensiones del conorno

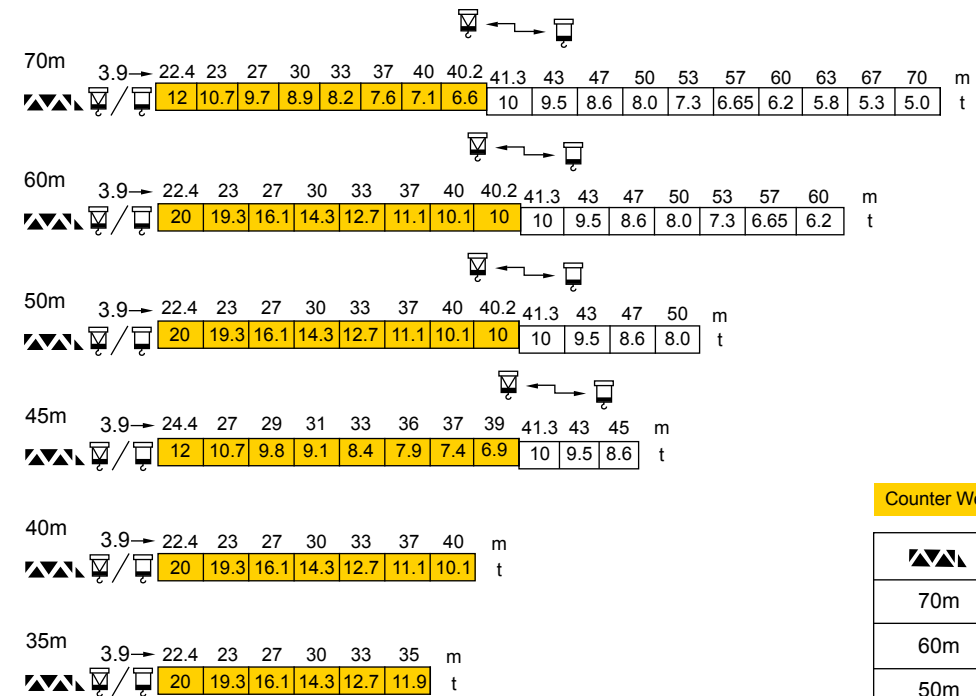


Reactions / Reaksiyonlar / Reacciones	● In service / En servicio ■ Out of Service / Fuera de servicio	▲ Self-Load / Autocarga	Without load and counter-weight / Sin carga con contrapeso With longest jib and standart height / Con la pluma mas larga y altura estandar
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EMK 70/20

Load Diagrams / Yük Diyagramları / Diagramas de carga



Counter Weight / Kuyruk Ağırlığı / Contrapeso

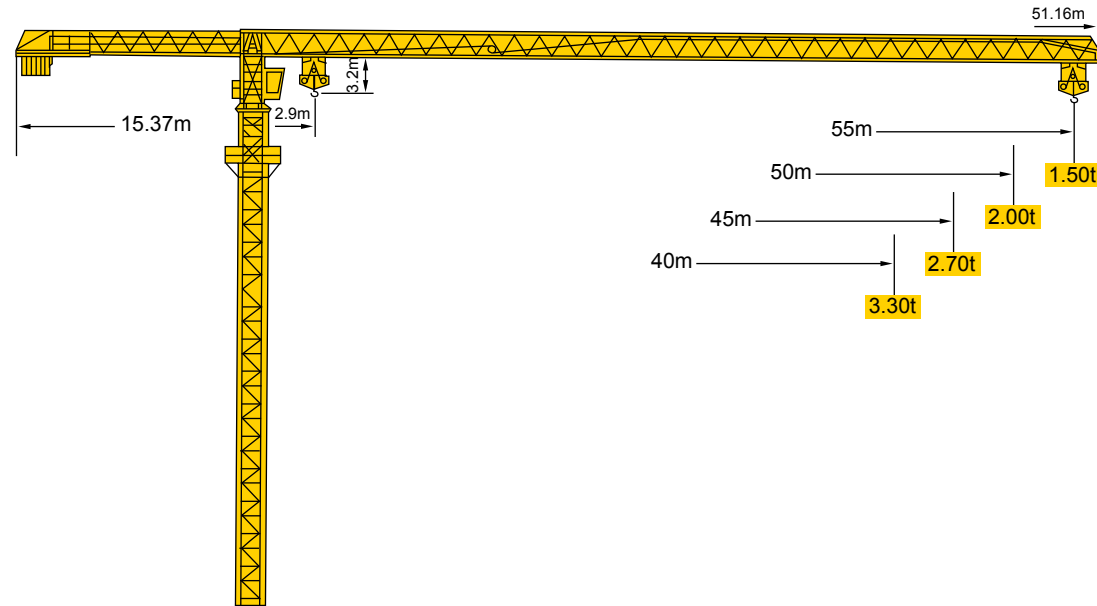
		(kg)
70m	25.4m	25000
60m	25.4m	21600
50m	25.4m	18200
45m	25.4m	14900
40m	25.4m	13200
35m	25.4m	11600

Standart Şaryo 2/4 Eğim
Standard trolley 2/4 fall

Mechanism / Mekanizma / Mechanism				 						 m	kw		
Hoisting / Kaldırma / Izado		90LVF 50	m/min	0-40	0-80	0-120	0-20	0-40	0-60	600	90		
			t	10	5	2.5	20	10	5				
		132LVF 50	m/min	0-60	0-120	0-180	0-30	0-60	0-90	600* >600	132		Optional Winch / Opsiyonel Vinç
			t	10	5	2.5	20	10	5				
Trolleying / Hareketli Şaryo / Transporte		9.2TVF	m/min	0 - 55							9.2		
		8DPC8	m/min	13.5 / 42 / 84							2.6/7.5/9		
Slewing / Dönüş / Giratoria		145 SVT	n/min	0 - 0.6							145Nm x2		
Travelling / Hareketli / Recorrido		5.5TRVF	m/min	0 - 30							5.5 x 6		
 Main Supply / Ana Besleme							380V 50 Hz / 440V 60Hz						
 Necessary Electric Power / Gereken Elektrik Gücü / Potencia electrica necesaria							90LVF : 155KVA						
Other Form Hoisting / Diğer Kaldırma Formları / Otra forma de elevador							75LVF 115KVA 70RCS 90KVA						

EMK Topless 50/8

Outline Dimensions / Anahat Ölçüleri / Dimensiones del contorno



Mechanism / Mekanizma / Mecanismo									Drum Capacity /Tam- bur Sarım Kapasitesi / Capacidad del tambor	Motor
	33PC20	m/min	5.4	30	60	2.4	15	3.0	450m	24KW
		1	4	4	2	8	8	4		
	X96	m/min	15-38-58							95Nm
	RCV95	m/min	0-0.7							2X95Nm
	RT324	m/min	12.5/25							2X5.2KW
Main Temel	380V/50Hz60KVA									

Load Diagram / Yük Diyagramları / Diagramas de carga

Jib m	Fall	R(Cmax) m	C(max) t	25	30	35	40	45	50	55
55	IV	13.34	8.00	3.85	3.10	2.65	2.15	1.90	1.60	1.35
	II	25.03	4.00	4.00	3.25	2.8	2.30	2.05	1.75	1.50
50	IV	14.69	8.00	4.36	3.50	3.00	2.47	2.18	1.85	
	II	27.67	4.00	4.00	3.65	3.15	2.62	2.33	2.00	
45	IV	16.51	8.00	5.01	4.05	3.49	2.87	2.55		
	II	31.25	4.00	4.00	4.00	3.64	3.02	2.70		
40	IV	17.80	8.00	5.46	5.46	3.83	3.15			
	II	33.77	4.00	4.00	4.00	3.97	3.30			

EMK Topless 50/8

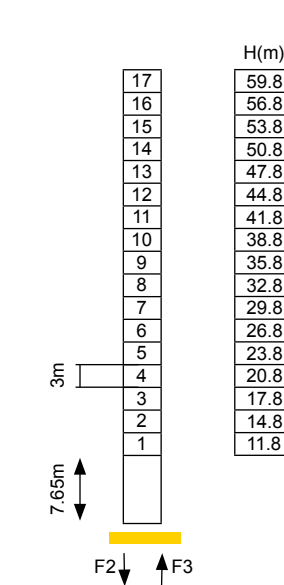
Mast / Mastil 1.6m x 1.6m

Reactions / Reaksiyonlar / Reacciones

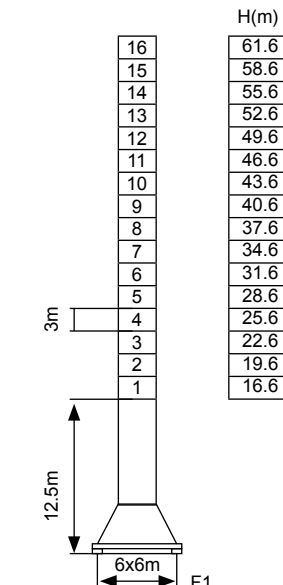
Stationary / Sabit / Estacionario

Travelling / Hareketli / Movil

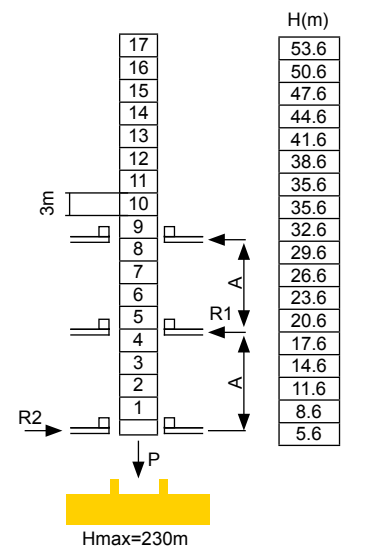
Internal Climbing /
Bina İçi Tırmanma /
Tropa interno



F2	● 108t	■ 192t
F3	● 68t	■ 157t
	57.8t	



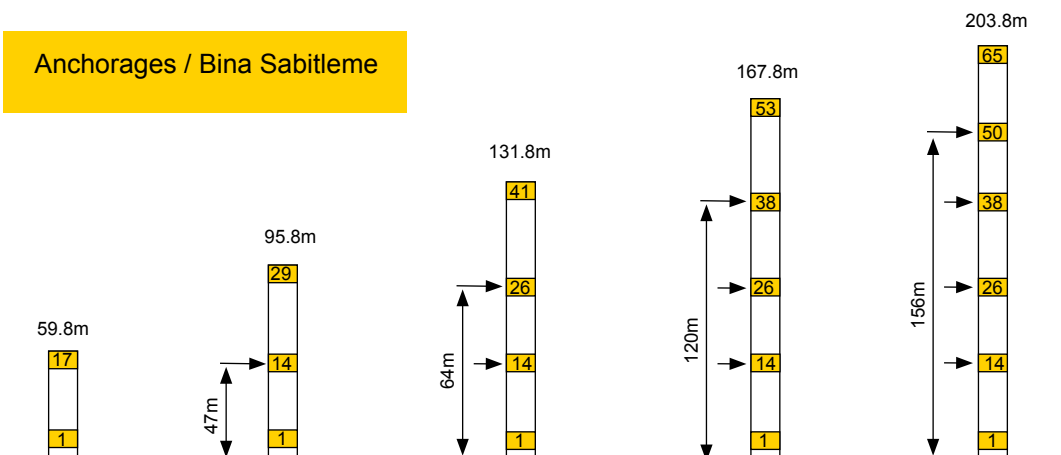
F1	● 86t	■ 120t
	69t	



A	16m	21m
R1	27.9t	21.2t
R2	14.7t	10.4t
P	75t	
	59t	

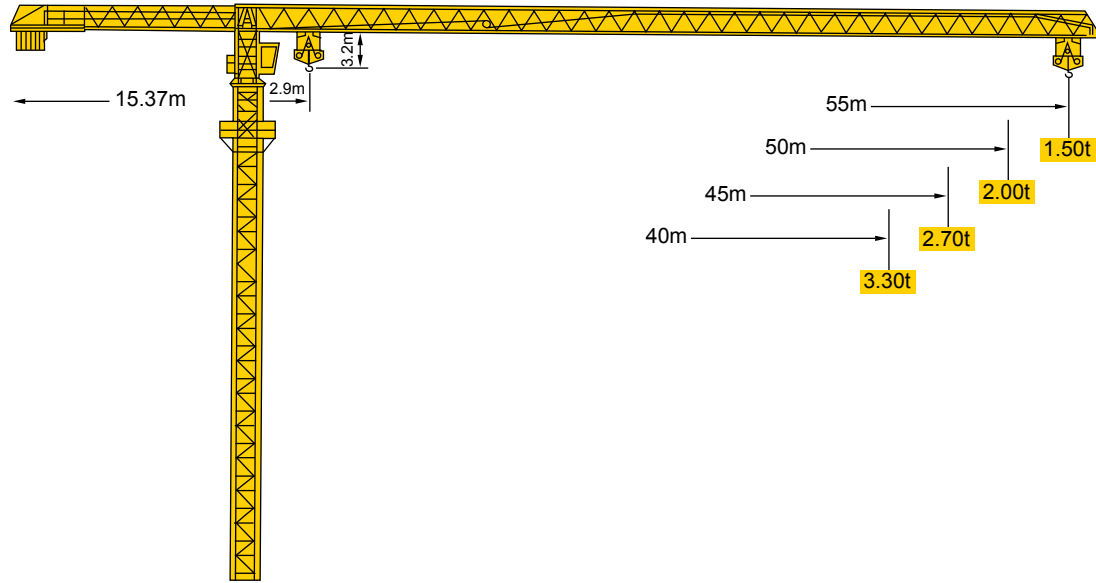
- : In service / Çalışır Durumda / En Servicio
- : Out of Service / Servis Dışı / Fuera de Servicio
- : Withoud load and ballast with longest jib and maximal height /
En uzun bomlu ve maksimum yükseklikte yüksüz ve dengeli /
Sin Carga ni balasto con la pluma mas larga y altura maxima

Anchorage / Bina Sabitleme



EMK Topless 55/8

Outline Dimensions / Anahat Ölçüleri / Dimensiones del contorno



Mechanism / Mekanizma / Mecanismo						Drum Capacity / Tambur Sarım Kapasitesi / Capacidad del tambor			Motor
	33PC20	m/min	5.4	30	60	2.4	15	3.0	450m
		1	4	4	2	8	8	4	
	X96	m/min	15-38-58						95Nm
	RCV95	m/min	0-0.7						2X95Nm
	RT324	m/min	12.5/25						2X5.2KW
Main Temel			380V/50Hz			60KVA			

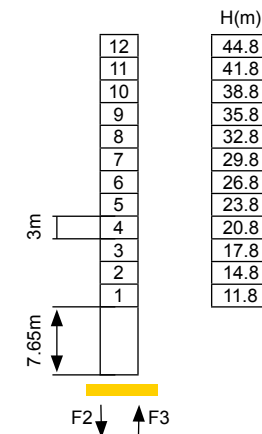
Load Diagram / Yük Diyagramları / Diagramas de carga

Jib m	Fall	R(Cmax) m	C(max) t	25	30	35	40	45	50	55
55	IV	13.34	8.00	3.85	3.10	2.65	2.15	1.90	1.60	1.35
	II	25.03	4.00	4.00	3.25	2.8	2.30	2.05	1.75	1.50
50	IV	14.69	8.00	4.36	3.50	3.00	2.47	2.18	1.85	
	II	27.67	4.00	4.00	3.65	3.15	2.62	2.33	2.00	
45	IV	16.51	8.00	5.01	4.05	3.49	2.87	2.55		
	II	31.25	4.00	4.00	4.00	3.64	3.02	2.70		
40	IV	17.80	8.00	5.46	5.46	3.83	3.15			
	II	33.77	4.00	4.00	4.00	3.97	3.30			

EMK Topless 55/8

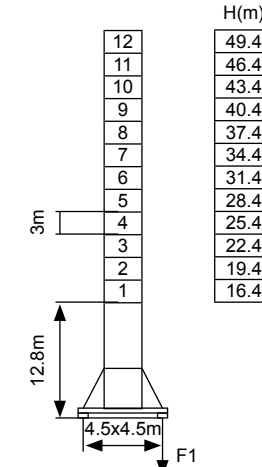
Mast 1.6m x 1.6m Reactions / Reaksiyonlar / Reacciones

Stationary / Sabit / Estacionario



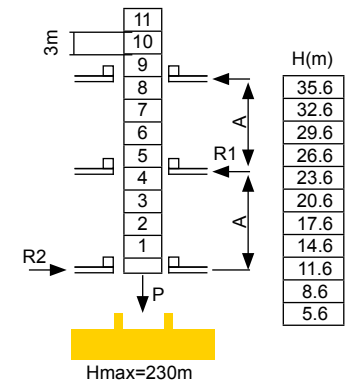
F2	● 98t	■ 118t
F3	● 66t	■ 92t
Person	42t	

Travelling / Hareketli / Movil



F1	● 70t	■ 89t
Person	50t	

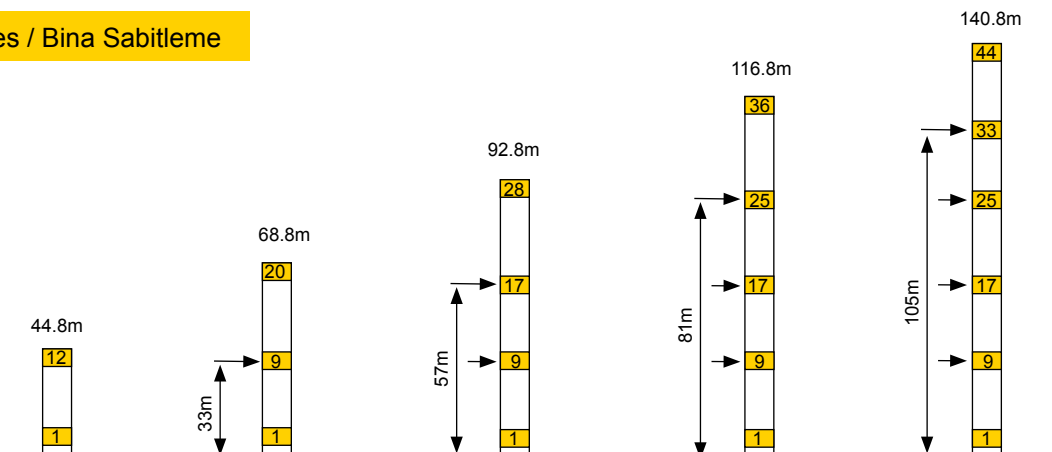
Internal Climbing / Bina İçi Tırmanma / Tropa interno



A	7m	11m
R1	18.7t	
R2	16.7t	
P	63.5t	
Person	41t	

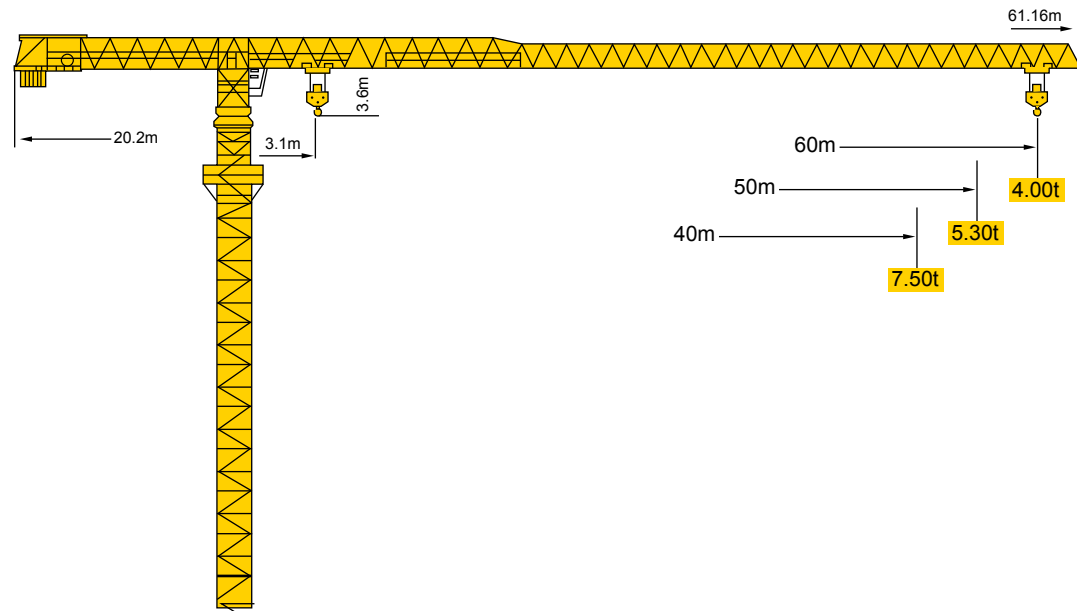
- : In service / Çalışır Durumda / En Servicio
- : Out of Service / Servis Dışı / Fuera de Servicio
- Person : Withoud load and ballast with longest jib and maximal height / En uzun bomlu ve maksimum yükseklikte yüksüz ve dengeli / Sin Carga ni balasto con la pluma mas larga y altura maxima

Anchorage / Bina Sabitleme



EMK Topless 60/12

Outline Dimensions / Anahat Ölçüleri / Dimensiones del contorno



Mechanism / Mekanizma / Mecanismo							Drum Capacity / Tam- bur Sarım Kapasitesi / Capacidad del tambor	Motor
	70RC30	m/min	40	80	20	40	550m	51.5KW
		t	6.00	3.00	12.0	6.00		
	X120	m/min	15-38-58					95Nm
	RCV145	m/min	0-0.7					2X145Nm
	RT443	m/min	12.5/25					4X1.7/3.4KW
Main Temel			380V/50Hz		90KVA			

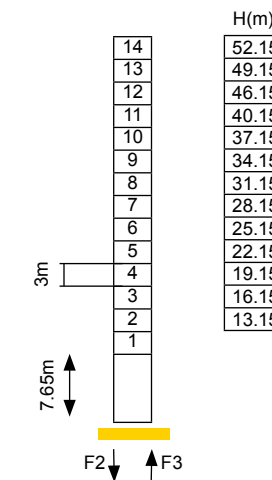
Load Diagram / Yük Diyagramları / Diagramas de carga

Jib m	Fall	R(Cmax) m	C(max) t	30	34	40	44	50	54	60
60	IV	22.1	12.0	8.37	7.19	5.84	5.40	4.73	4.32	3.80
	II	42.0	6.00	6.00	6.00	6.00	5.69	4.93	4.52	4.00
50	IV	23.2	12.0	8.88	7.64	6.26	5.62	5.10		
	II	44.8	6.00	6.00	6.00	6.00	6.00	5.30		
40	IV	26.4	12.0	10.3	8.93	7.50				
	II	40.0	6.00	6.00	6.00	6.00				

EMK Topless 60/12

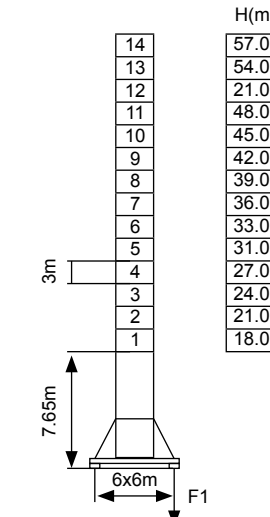
Mast 1.6m x 1.6m Reactions / Reaksiyonlar / Reacciones

Stationary / Sabit
/ Estacionario



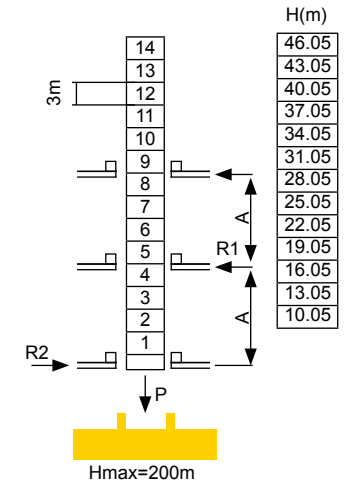
F2	● 135t	■ 140t
F3	● 88t	■ 94t
Person	77.5t	

Travelling / Hareketli / Movil



F1	● 85t	■ 95t
Person	93t	

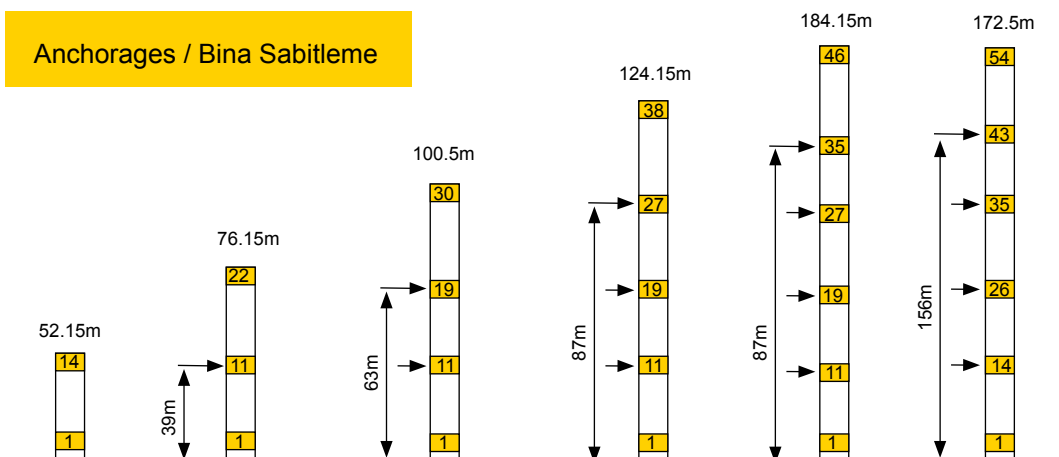
Internal Climbing /
Bina İçi Tırmanma /
Trepas interno



A	12m	19m
R1	31.5t	19.9t
R2	28t	16.4t
P	91t	
Person	79t	

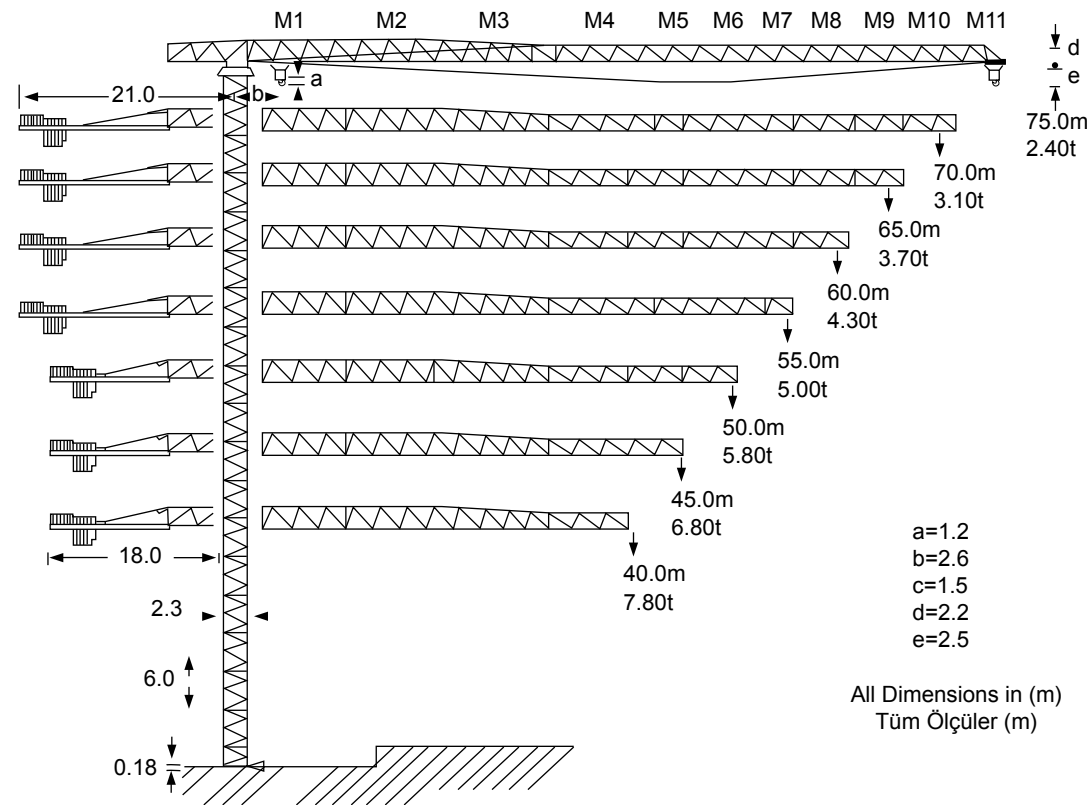
- : In service / Çalışır Durumda / En Servicio
- : Out of Service / Servis Dışı / Fuera de Servicio
- Person : Withoud load and ballast with longest jib and maximal height /
En uzun bomlu ve maksimum yükseklikte yüksüz ve dengeli /
Sin Carga ni balasto con la pluma mas larga y altura maxima

Anchorage / Bina Sabitleme



EMK Topless 75/16

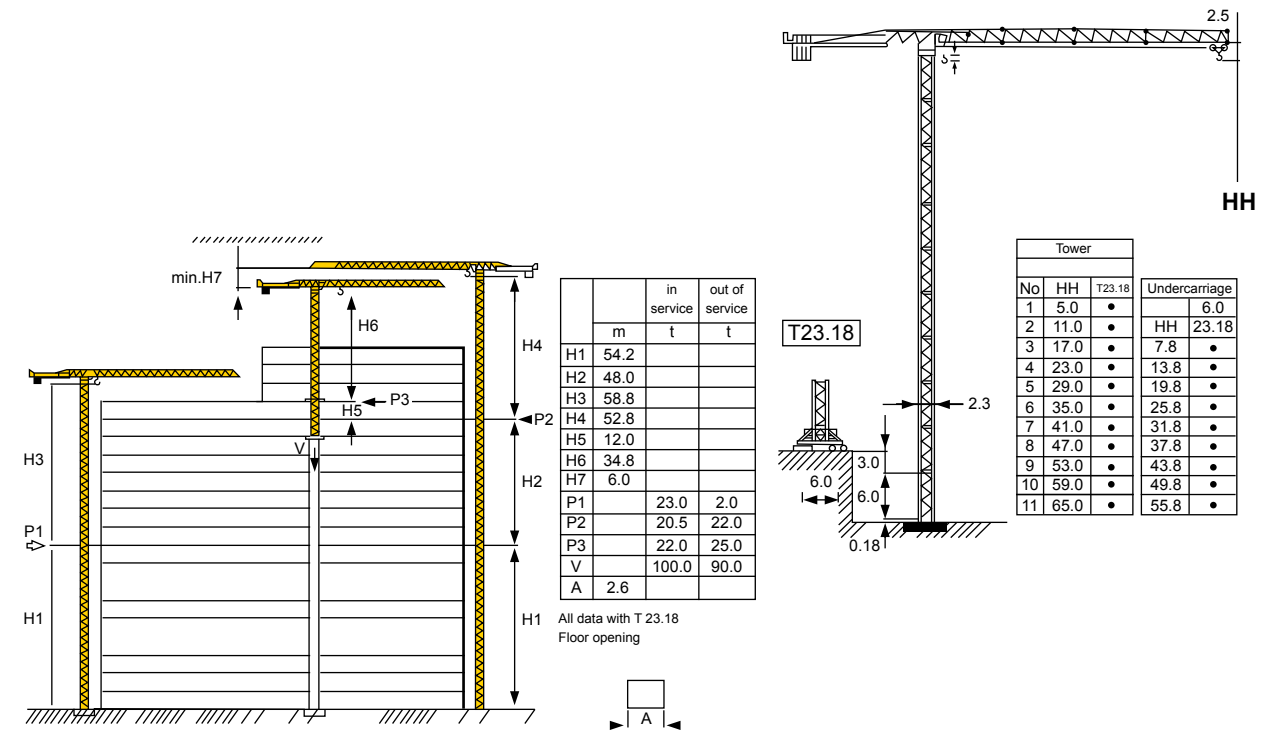
Outline Dimensions / Anahat Ölçüleri / Dimensiones del contorno



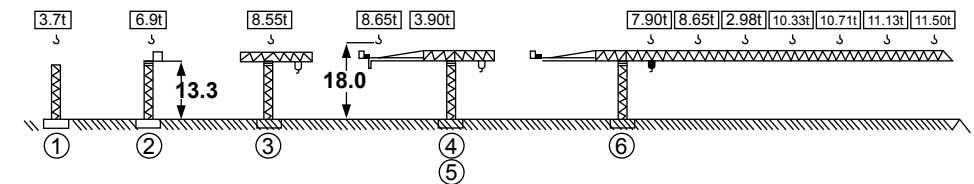
Load Diagram / Yük Diyagramları / Diagramas de carga

Max.Last	m	rope	10	15	20	25	30	35	40	45	50	55	60	65	70	75
0.18 to	27.9		8.00	8.00	8.00	8.00	7.36	6.16	5.27	4.58	4.03	3.58	3.21	2.90	2.63	2.40
16.0 to	14.9		16.00	16.92	11.44	8.82	7.10	5.89	4.99	4.30	3.75	3.29	2.92	2.60	2.33	2.10
0.18 to	31.3		8.00	8.00	8.00	8.00	8.00	7.06	6.06	5.28	4.67	4.17	3.75	3.40	3.10	
16.0 to	16.5		16.00	16.00	12.87	9.97	8.08	6.74	5.74	4.97	4.36	3.86	3.45	3.10	2.80	
0.18 to	33.3		8.00	8.00	8.00	8.00	8.00	7.58	6.52	5.70	5.05	4.51	4.07	3.70		
16.0 to	17.7		16.00	16.00	13.98	10.88	8.84	7.40	6.34	5.51	4.85	4.32	3.88	3.50		
0.18 to	34.9		8.00	8.00	8.00	8.00	8.00	7.97	6.86	6.00	5.32	4.76	4.30			
16.0 to	18.5		16.00	16.00	14.68	11.43	9.30	7.79	6.86	5.81	5.13	4.57	4.10			
0.18 to	36.4		8.00	8.00	8.00	8.00	8.00	8.00	7.19	6.29	5.58	5.00				
16.0 to	19.3		16.00	16.00	15.35	11.96	9.74	8.17	7.00	6.10	5.38	4.80				
0.18 to	37.6		8.00	8.00	8.00	8.00	8.00	8.00	7.47	6.54	5.80					
16.0 to	19.9		16.00	16.00	15.90	12.40	10.10	8.48	7.27	6.34	5.60					
0.18 to	38.9		8.00	8.00	8.00	8.00	8.00	8.00	7.76	6.80						
16.0 to	20.6		16.00	16.00	16.00	12.87	10.49	8.81	7.56	6.60						
0.18 to	39.1		8.00	8.00	8.00	8.00	8.00	8.00	7.80							
16.0 to	20.6		16.00	16.00	16.00	12.93	10.54	8.85	7.60							

EMK Topless 75/16



1. Tower / Kule / Torre 2. Turntable / Döner Levha / Place giratoria 3. Jib1 / Bom1 / Pluma 4.C-jib (2+3) +Hoist winch / Arka Bom (2+3) + Vinç
C. Jib4 / Bom4 5. Ballastblock / Beton Bloklar / Bloques de hormigon 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0



Hoist winch (Vinç) 37kw 37S 4.0 N 380					Hoist winch (Vinç) 66kw 66 S4.0 N 520						
P max		8.0 - 16.0 (to)			P max		8.0 - 16.0 (to)				
	Load / Yük (to)	1.30	2.40	4.10	8.0		Load / Yük (to)	1.90	3.20	5.20	8.0
	v (m/min)	98.0	60.0	38.0	24.0		v (m/min)	136.0	86.0	54.0	34.0

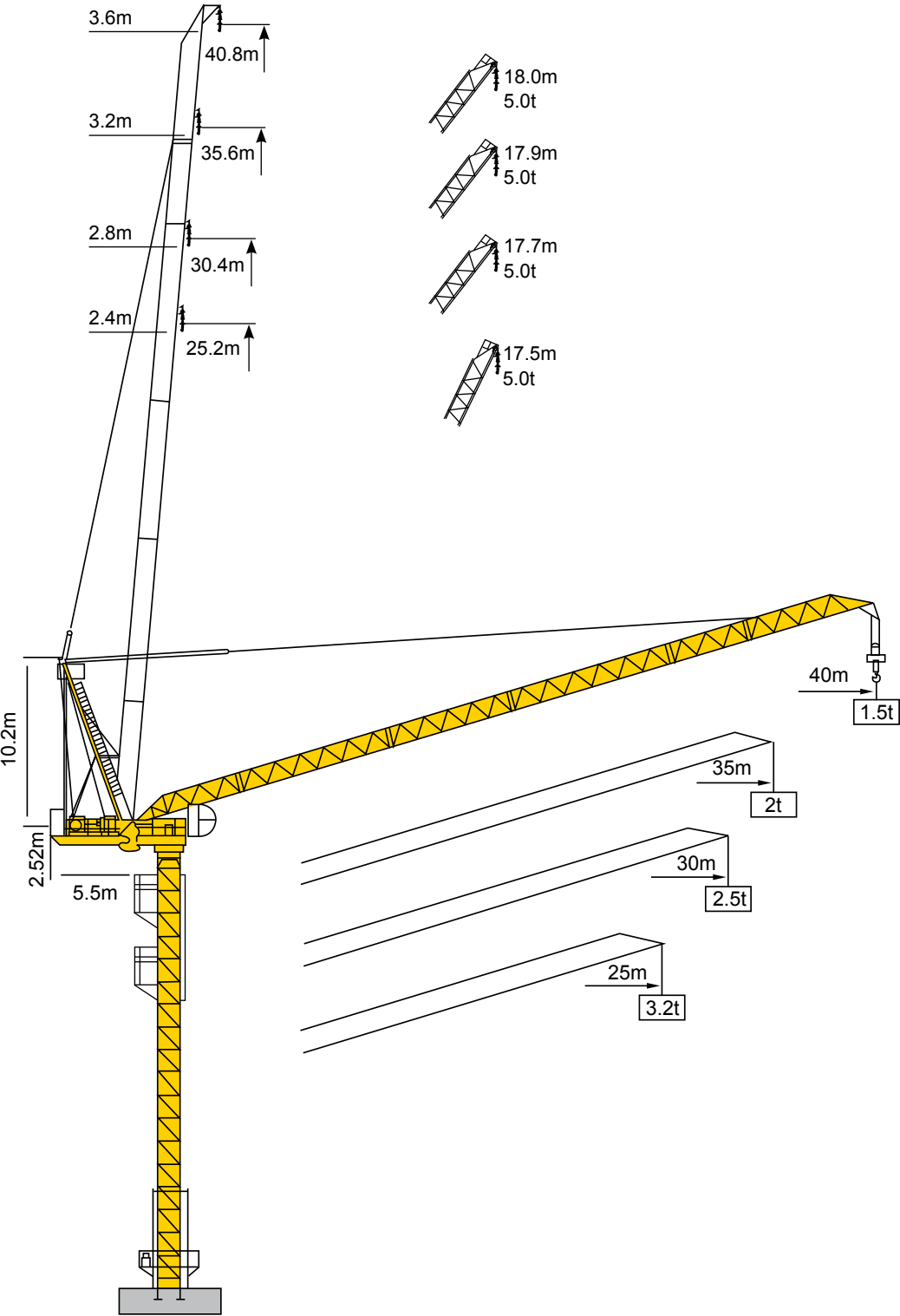
	Load / Yük (to)	2.60	4.80	8.20	16.00		Load / Yük (to)	3.80	6.40	10.40	16.00
	v (m/min)	49.0	30.0	19.0	12.0		v (m/min)	68.0	43.0	27.0	17.0
	Drum Capacity / Tambur Sarım Kapasitesi	380.0 m					Drum Capacity / Tambur Sarım Kapasitesi	520.0 m			

	Trolley Travelling Hareketli Şaryo	Rotation / Dönüş	Crane Travelling Yürüyüş
Motor	5.5kw	3x4.4kw	4x5.0kw
V	4.3-43-86(m/min)	0.67 rpm	25.0 m/min

Power Requirement - Upper Part Güç Gereksinimleri - Üst Kısım		
Hoist Unit Kaldırma Ünitesi	37kw	67KVA
	66kw	101KVA

EMK Luffing 40/5

Outline Dimensions / Anahat Ölçüleri / Dimensiones delcontorno

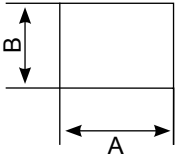


EMK Luffing 40/5

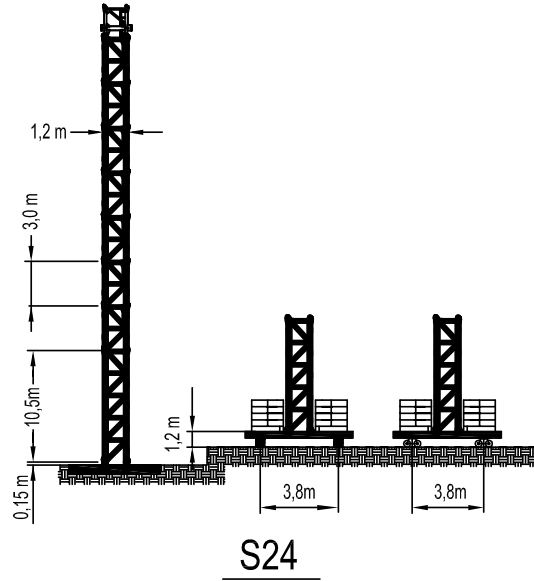
Load Diagrams / Yük Diyagramları / Diagramas decargo

JIB Bom Pluma		Max.Load Maks. Yükleme /		Jib Reach / Bom Uzunluğu / Alcance de la pluma									
		t	m	15	18	20	23	25	28	30	32	35	40
40m		2.50	29.5	2.50	2.50	2.50	2.50	2.50	2.50	2.45	2.20	1.90	1.50
		5.00	17.5	5.00	4.80	4.15	3.40	3.00	2.51	2.25	2.00	1.70	1.30
35m		2.50	30.4	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.30	2.00	
		5.00	17.7	5.00	4.85	4.30	3.50	3.10	2.61	2.35	2.10	1.80	
30m		2.50	30.0	2.50	2.50	2.50	2.50	2.50	2.50	2.50			
		5.00	17.9	5.00	4.90	4.30	3.55	3.15	2.67	2.40			
25m		2.50	25.0	2.50	2.50	2.50	2.50	2.50					
		5.00	18.0	5.00	5.00	4.30	3.60	3.20					

Tower Kule	S24		
	m	In Service	Out of Service
		t	t
H1	24.1	-	-
H2	12.0	-	-
H3	18.0	-	-
H4	18.0	-	-
H5	9.0	-	-
H6	17.0	-	-
P1	-	6.5	10.5
P2	-	7.2	11.7
V	-	31.5	30.0
A	1.5		3.20
B	1.4		3.20



EMK Luffing 40/5

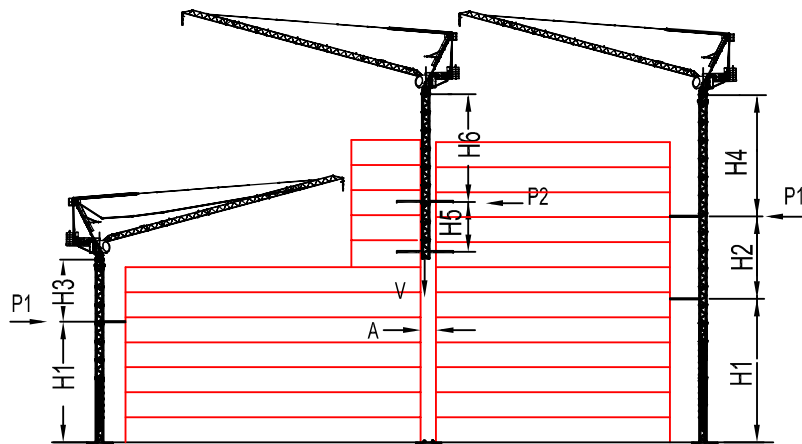


Tower Configuration / Gövde Konfigurasyonu / Configuracion de la torre

Tower Gövde	Base Mast Temel Mast	Mast Mast	Adapter Adaptör	HT (m)	Jib Reach (m) Bom Uzunluğu (m)
S24	1	6	1	30.1 (m)	25-40 (m)

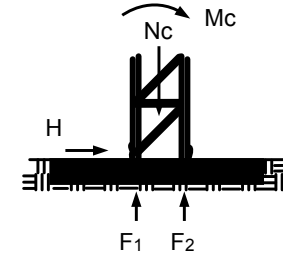
Climbing / Tırmanma / Tropa

External / Harici
Internal / Dahili
(Example Only) / (Örnek)



EMK Luffing 40/5

Foundation / Temel /



Static Crane / Sabit Vinç

Tower Gövde	HT (m)	Wib Reach (m) Bom Uzunluğu (m)	Foundation Loading Temel Basınç			Corner Forces Köşelerdeki Basınç	
			Mc (kN.m)	Nc (kN)	H (kN)	F ₁ (kN)	F ₂ (kN)
S24	30.1	40	1132	306	49	591	-744

Shipping / Yükleme / Envio

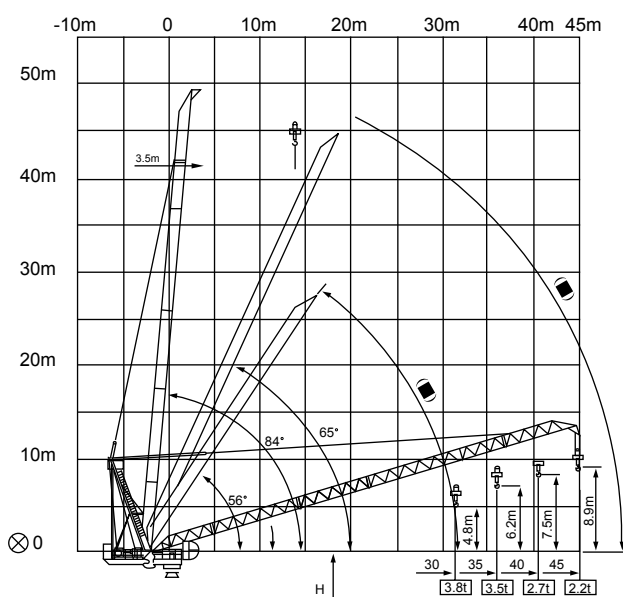
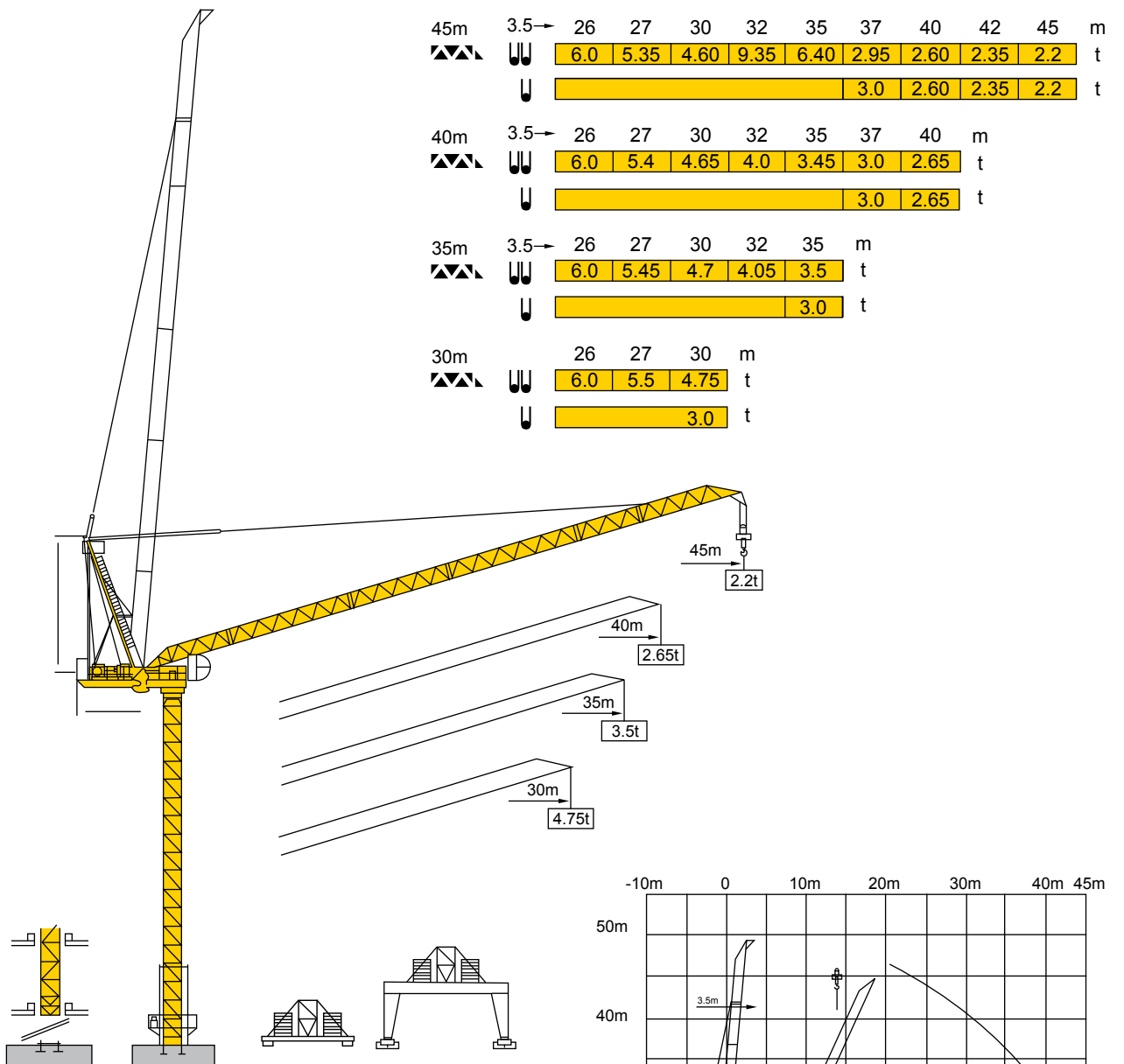
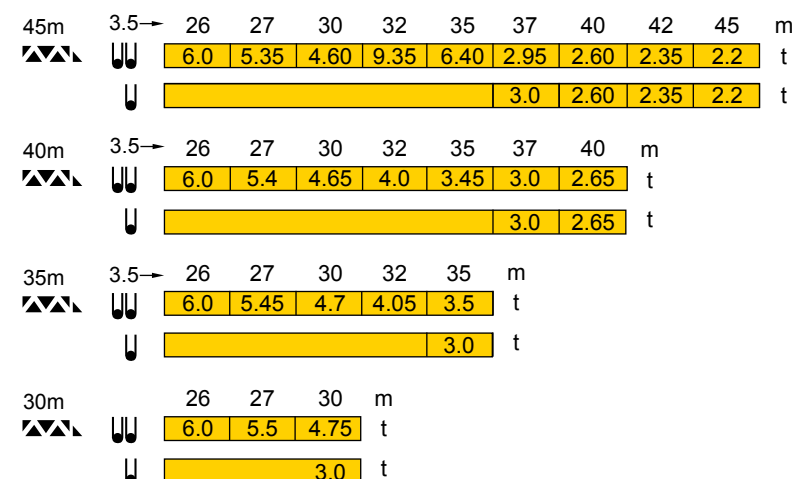
Tower Gövde	HT (m)	Container QTY Konteyner QTY			
		FR	40'OP	40'HQ	20'GP
S24	30.1			4	

Mechanism / Spesification Mekanizma / Özellikler / Mecanismo / Especificacion

Machanism / Spesification Mekanizma / Özellikler							KW
Hoisting Kanca		25LVF13	m/min	0~76.5	0~38.3	360m	18.5
			t	2.5~0.625	5~1.25		
Luffing		24LVF15B	min	 15°~85° t=2.0			24
Slewing Dönüş		RCV95	r/min	0.8			95Nm
Travelling Hareketli		RT224	m/min	25			2 x 3
Power Supply / Güç Kaynağı				380V 50Hz / 440V 60Hz			
Necessary Electric Power Gereken Elektrik Gücü				41 kVA			

EMK Luffing 45/6

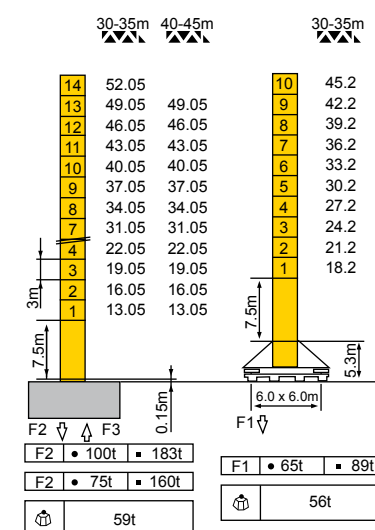
Load Diagrams / Yük Diyagramları / Diagramas de Carga



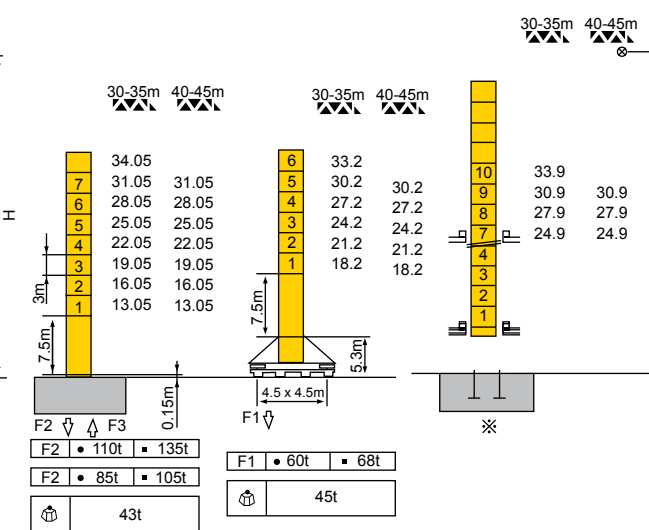
■ Weather Vaning Position / Rüzgar Dayanma Pozisyonu
⊗ Jib Hinge Shaft / Bom Destek Şaftı

EMK Luffing 45/6

Mast: 2m x 2m / Mastil



Mast: 1.6m x 1.6m / Mastil

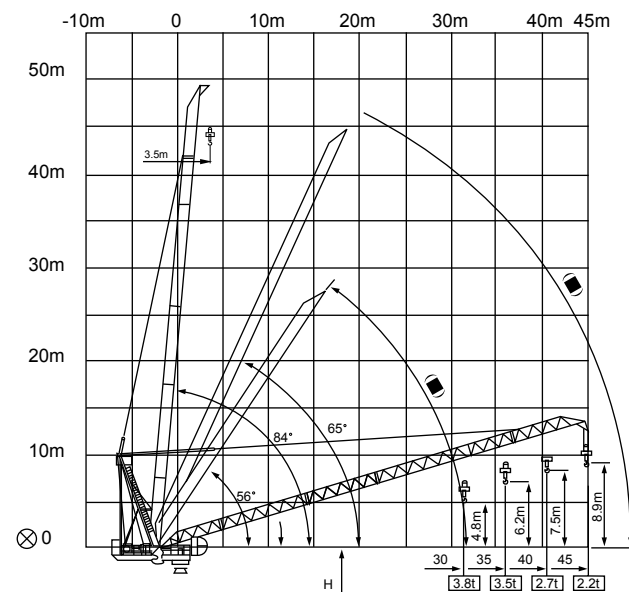
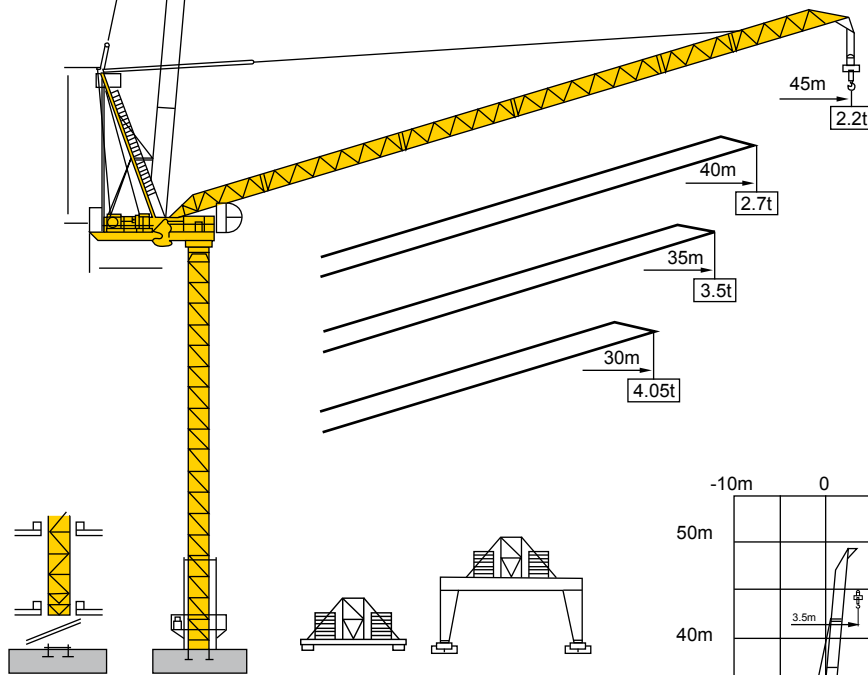
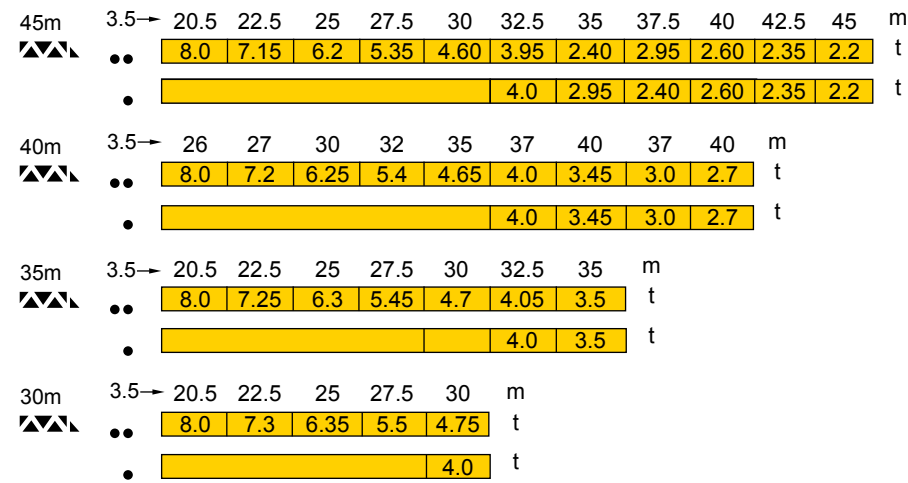


Reactions / Reaksiyonlar / Reacciones	● In service / En servicio ■ Out of Service / Fuera de servicio	▲ Self-Load / Autocarga	Without load and counter-weight / Sin carga con contrapeso With longest jib and standart height / Con la pluma mas larga y altura estandar
---------------------------------------	--	---	---

Mechanism / Mekanizma / Mechanism								 m	kw					
Hoisting / Kaldırma / Izado		24PC15	m/min	40		80		20		40		410※ >410	40.5	Optional Winch / Opsiyonel Vınc
			t	3		1.5		6		3				
		30LVF	m/min	0 - 46.6	0 - 85.2	0-123.8		0 - 23.3	0 - 42.6	0 - 61.6		0 - 55	30	
			t	3	1.5	0.75		6	3	1.5				
		30RW	m/min	44		88		22		44		5.2 x 2		
			t	3		1.5		6		3				
Trolleying / Hareketli Şarj / Transporte		30RWA	n/min	3								55		
Slewing / Dönüş / Giratoria		RCV95	m/min	0-0.8								95x2Nm		
Travelling / Hareketli / Recorrido		RT443	m/min	15-30								5.2 x 2		
 Main Supply / Ana Besleme				380v 50Hz / 440v 60Hz										
 Necessary Electric Power / Gereken Elektrik Gücü / Potencia electrica necesaria				RCS:100KVA LVF:※										

EMK Luffing 45/8

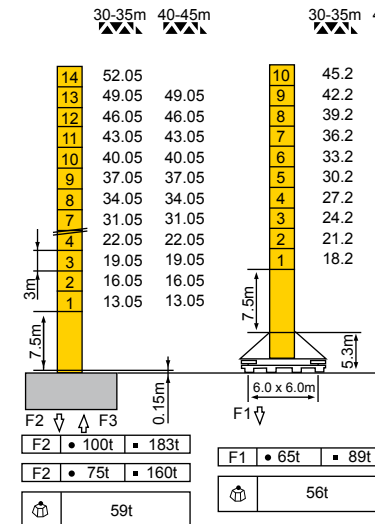
Load Diagrams / Yük Diyagramları / Diagramas de Corga



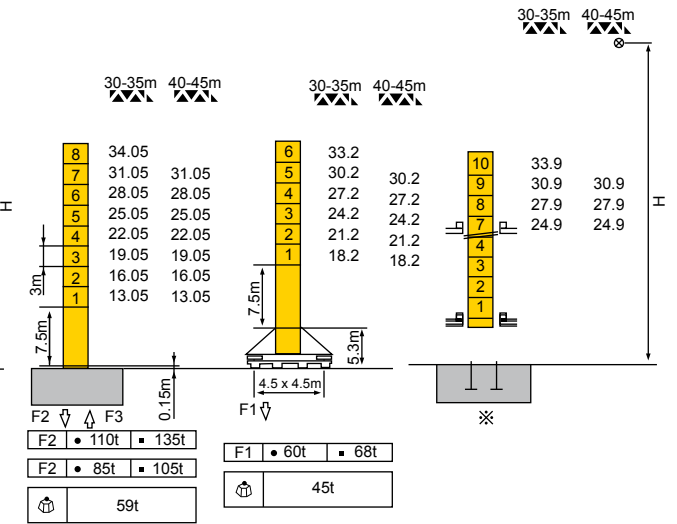
☒ Weather Vaning Position / Rüzgar Dayanma Pozisyonu
☒ Jib Hinge Shaft / Bom Destek Şaftı

EMK Luffing 45/8

Mast: 2m x 2m / Mastil



Mast: 1.6m x 1.6m / Mastil



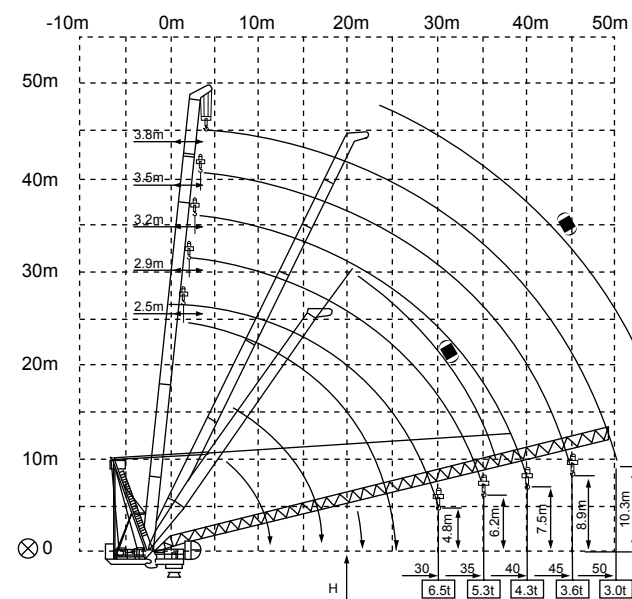
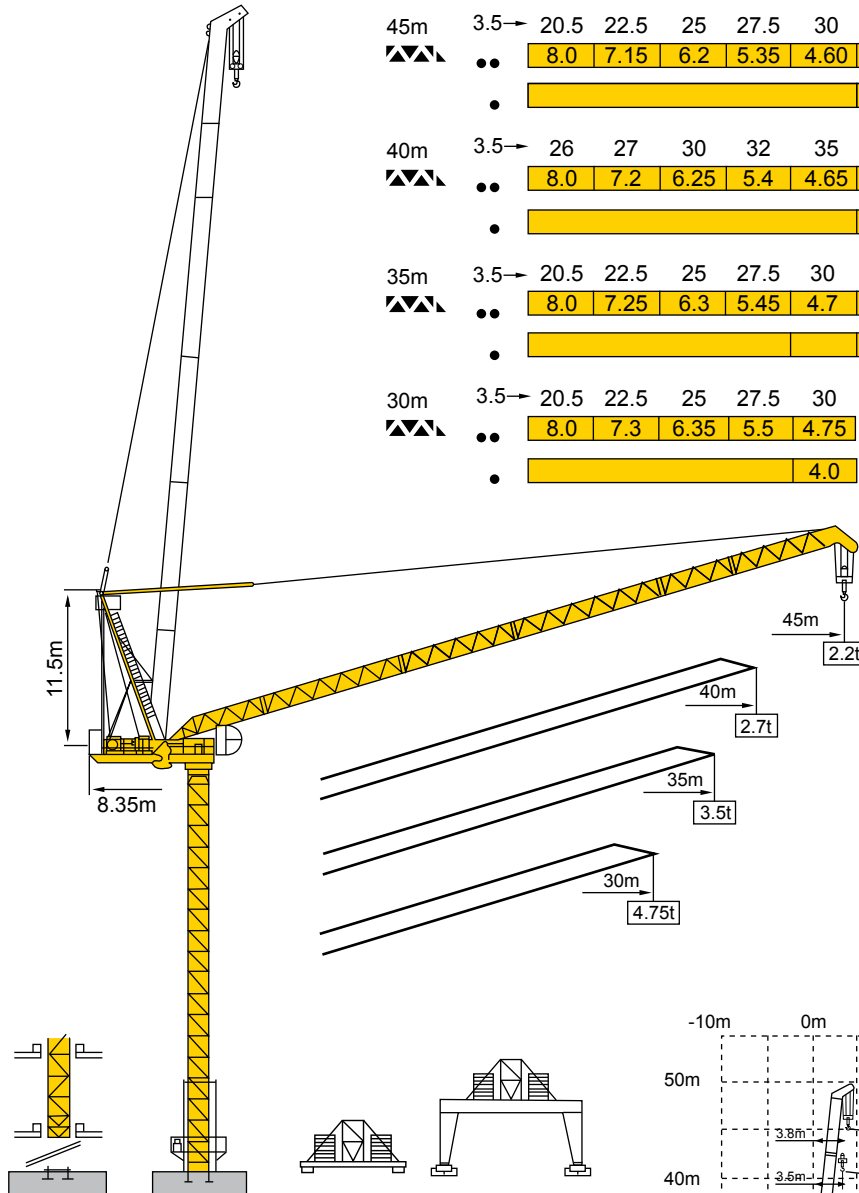
Reactions / Reaksiyonlar / Reacciones	● In service / En servicio ■ Out of Service / Fuera de servicio	Self-Load / Autocarga	Without load and counter-weight / Sin carga con contrapeso With longest jib and standart height / Con la pluma mas larga y altura estandar
--	--	---	---

Mechanism / Mekanizma / Mechanism				● ●			● ● ●			 m	kw					
Hoisting / Kaldırma / Izado		45RCS 20	m/min	40		80		20		40		360	33	Optional Winch / Opsiyonel Ving		
			t	4		2		8		4						
		30LVF	m/min	0 - 34		0 - 68		0-102		0 - 17		0 - 34			0 - 51	
			t	4		5		1		8		4			2	
		30RW	m/min	36		72		18		36			30			
			t	4		2		8		4						
Trolleying / Hareketli Şaryo / Transporte		30RWA	n/min	3								55				
Slewing / Dönüş / Giratoria		RCV95	m/min	0-0.8								95x2Nm				
Travelling / Hareketli / Recorrido		RT443	m/min	15-30								5.2 x 2				
 Main Supply / Ana Besleme				380v 50Hz / 440v 60Hz												
 Necessary Electric Power / Gereken Elektrik Gücü / Potencia eléctrica necesaria				RCS:100KVA LVF:※												

EMK Luffing 50/10

Load Diagrams / Yük Diyagramları / Diagramas de carga

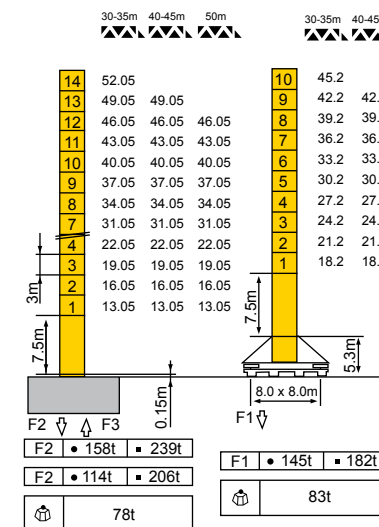
45m	3.5→	20.5	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	m	
▲▲▲	●●	8.0	7.15	6.2	5.35	4.60	3.95	2.40	2.95	2.60	2.35	2.2	t	
	●							4.0	2.95	2.40	2.60	2.35	2.2	t
40m	3.5→	26	27	30	32	35	37	40	37	40			m	
▲▲▲	●●	8.0	7.2	6.25	5.4	4.65	4.0	3.45	3.0	2.65			t	
	●							4.0	3.45	3.0	2.65		t	
35m	3.5→	20.5	22.5	25	27.5	30	32.5	35					m	
▲▲▲	●●	8.0	7.25	6.3	5.45	4.7	4.05	3.5					t	
	●							4.0	3.5				t	
30m	3.5→	20.5	22.5	25	27.5	30							m	
▲▲▲	●●	8.0	7.3	6.35	5.5	4.75							t	
	●						4.0						t	



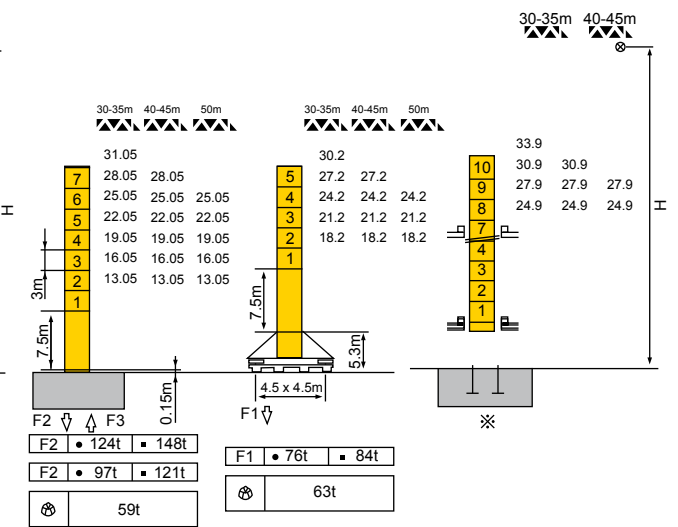
(■) Weather Vaning Position / Rüzgar Dayanma Pozisyonu
 (⊗) Jib Hinge Shaft / Bom Destek Şaftı

EMK Luffing 50/10

Mast / Mastil. 2m x 2m



Mast / Mastil. 1.6m x 1.6m



Reactions / Reaksiyonlar / Reacciones	● In service / En servicio ■ Out of Service / Fuera de servicio	Self-Load / Autocarga Without load and counter-weight / Sin carga con contrapeso With longest jib and standart height / Con la pluma mas larga y altura estandar
---------------------------------------	--	--

Mechanism / Mekanizma / Mechanism				●		●●		m	kw	
Hoisting / Kaldırma / Izado		70RCS 25	m/min	42	84	21	42	486	51.5	
			t	5	2.5	10	5			
		55LVF	m/min	0 - 50	0 - 100	0-150	0 - 25	0 - 50	0 - 75	55
			t	5	2.5	1.25	10	5	2.5	
Trolleying / Hareketli Şarj / Transporte		70RCS50	m/min	3						51.5
		55VF	min	3						55
Slewing / Dönüş / Giratoria		OMD85	r/min	0-0.8						8.8 x 2
		RCV145	r/min	0-0.8						145x2Nm
Travelling / Hareketli / Recorrido		RT443	m/min	15-30						3.7 x 2
Main Supply / Ana Besleme				380v 50Hz / 440v 60Hz						
Necessary Electric Power / Gereken Elektrik Gücü / Potencia electrica necesaria				RCS:17 0KVA LVF:※						

T.C.
TÜRK PATENT ENSTİTÜSÜ

MARKA TESCİL BELGESİ

Marka No : 2009 39576 - Hizmet



Marka Sahibi :ELMAK VINÇ İNŞAAT EMLAK TEKSTİL SAN. VE
TİC. LTD.ŞTİ.
TÜRKİYE CUMHURİYETİ
GÜLFEM HATUN MAHLAKİMİYETİ MİLLİYE
CAD. KAĞÇAL IŞ MERKEZİ NO : 58/97 ÜSKÜDAR
İSTANBUL

Emtiası : 37
İlişiktir.

Markaların Korunması Hakkında 556 Sayılı Kanun Hükmünde
Kararnameye göre 24/07/2009 tarihinden itibaren ON YIL müddetle
05/07/2010 tarihinde tescil edilmiştir.

Kaya Kaya
Enstitü Başkanı a.
Markalar Dairesi Başkanı

TÜRK PATENT ENSTİTÜSÜ



SERTİFİKA

Sertifika Numarası
53157

Kalite Yönetim Sistem sertifikası aşağıda adı geçen kuruluşa UDEM Uluslararası Belgelendirme Denetim
Eğitim Merkezi San. ve Tic. Ltd. Şti. tarafından verilmiştir.

**Elmak Vinç
İnşaat Emlak Tekstil San. ve Tic. Ltd. Şti.**

Ahmediy Mahallesi Halk Cadesi Sunar İş Merkezi No:37 Kat:2 Daire:211 Üsküdar - İSTANBUL / TÜRKİYE

UDEM Uluslararası Belgelendirme Denetim Eğitim Merkezi San. ve Tic. Ltd. Şti. bu belge ile kuruluşun
aşağıdaki standardın şartlarına uygun bir yönetim sistemine sahip olduğunu onaylar.

ISO 9001:2008

Kuruluşun yukarıdaki standard için belgelendirme kapsamı aşağıda ayrıntılı şekilde belirtilmiştir.

Vinç ve iş makinası imalat,satış,kurulum ve tamiri,aydınlatma sistemleri ve kapı imalat satış ve
tamiri , inşaat ve taahhüt hizmetleri

Belgelendirme Denetim Tarihi : 27.07.2011 Genel Müdür
Tescil Tarihi : 01.08.2011 UDEM Uluslararası Belgelendirme
Yeniden Basım Tarihi : - Denetim Eğitim Merkezi
Geçerlilik Tarihi : 31.07.2012 San. ve Tic. Ltd. Şti.

Sistem etkin bir şekilde çalıştığı ve yönetim denetimleri zamanında yapıldığı müddetçe bu
belge 3 yıl boyunca geçerlidir. Belgenin geçerliliği www.udemtd.com.tr internet sayfasından kontrol
edilebilir. UDEM Uluslararası Belgelendirme Denetim Eğitim Merkezi San. ve Tic. Ltd. Şti. denetim
yokluğunda genel iş ve yetenek sağlamlığı olmasına rağmen sadece ispat edilmemiş bölümler
imzaları için sonradan kabul edilebilir. Bu belgenin tescilli firması UDEM Uluslararası Belgelendirme
Denetim Eğitim Merkezi San. ve Tic. Ltd. Şti. ye aittir ve ispatlanmıştır.

Adres: Tuzun Güneş Bulvarı Korman Sitesi 51/M Çankaya - Ankara / Türkiye Tel: +90 312 443 03 77 (pbx) Faks: +90 312 441 87 72
E-posta: info@udemtd.com.tr www.udemtd.com.tr

TÜRKİYE ODALAR VE BORSALAR BİRLİĞİ
KAPASİTE RAPORU

KOCAELİ TİCARET ODASI Geçerlilik Süresi Sonu 10.05.2013 Rapor Tarihi :15.05.2012 Rapor No :12/11

Firma Ünvanı	ELMAK VINÇ İNŞAAT EMLAK TEKSTİL SANAYİ VE TİCARET LİMİTED ŞİRKETİ İZMİT ŞUBESİ		Sanayi Sicil No :	
Tescilli Marka	:		Oda Sicil No	:30222
Vergi Dairesi/No	Üsküdar V.D. / 3320374084		Ticaret Sicil No	:21708
İşyeri SSK No	:23312070711469170341351			
İşyeri İletişim Bilgileri	Adres : 41000 KÖRFEZ SAN.SİTESİ 204 .BL. NO:54 İZMİT(MRK) / KOCAELİ			
	İşyeri Tel (Kodlu): 532-6366596 Faks :		Web : www.elmakvinc.com	
	e-posta : elmakvinc@gmail.com			
Büro ve İdare Merkezi	Adres AHMEDİYE Mah. HALK Cad. NO:37 34200 SUNAR İŞMERKEZİ ÜSKÜDAR / İSTANBUL			
	Büro Tel (Kodlu): 216-4923184 Faks : 216-4923183			
Üretim Konusu	KULE VINÇ		Faaliyet Kodu :	(NACE)
Üretim Faaliyetine Başlama Tarihi	:12.03.2012			

İşyeri Durumu		Sermaye Kıymetler Durumu (TL)		Personel Durumu	
Kiracı		Arazi ve Bina	-	Mühendis	-
Anazi (m2)	240	Makine ve Teçizat	20.000	Teknisyen	-
Toplam Kapalı Alan (m2)	150	Diğer Sabit Kıymetler	12.000	Usta	1
Bina İnşaat Tipi	B. ARME-Ç.KONST.	Toplam	32.000	İşçi	6
		Tescilli Sermayesi	537.000	İdari Pers.	-
				Toplam	7

Yabancı Sermaye		Gayri Maddi Hak					
Ülkesi	Firması	Oran (%)	Patent	Know How	Lisans	Ülkesi	
İhracat Durumu		Kalite Kontrol					
Bedeli	-	Cihaz Laboratuvar	Yok	ISO14000 Belgesi	Yok	HACCP	Yok
Para Birimi	-	Arıtma Tesisi	Yok	Deşaj İzni	Yok	CE	Yok
Yılı	-	Arge Birimi	Yok	Emisyon İzni	Yok	Diğer Belgeler	Yok

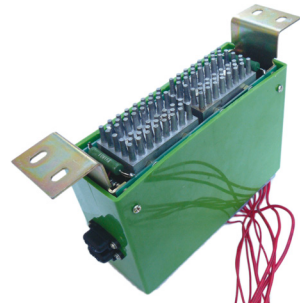
Yukarıda Ürünü yazılı işletmenin, işyerinde mevcut ve özellikleri belirtilmiş makina ve tesisatın yürürlükteki yönetim ve kriterlere göre günde 8 saat yolda 300 tünün üzerinde hesaplanan manuel üretim kapasitesi ile ana, yardımcı ve ambalaj malzemeleri üretim kapasitesini kapsayan bu rapor 15.05.2012 günü tarafından düzenlenmiştir.

RAPORTÖR	EKSPER	EKSPER
UFUK ÖNYILMAZ Oda Müdürü	ÖZCAN EROL Makine Mühendisi	-



**YEDEK
PARÇALAR
SPARE
PARTS
Refacciones**

Refacciones



6'LI 13'LÜ BLOK /
BLOCK (6-13) Bloqueo



6DPC4 ŞARYO MOTORU /
6DPC4 TROLLEY WINCH /
Cabrestante de la carga



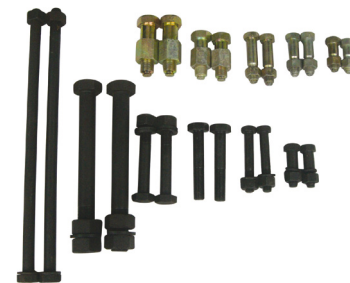
6DPC4 TAMBURU /
6DPC4 WINCH / Tambor



AĞIRLIK TARTI MAKARASI /
WEIGHT LIMITER / Limitador de



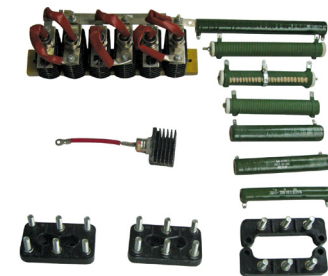
BAĞLANTI APARATLARI /
LINKAGE TOOLS



BİRLEŞTİRME CIVATALARI /
BOLTS AND NUTS



BİRLEŞTİRME PİMLERİ
PINS / Pasadores



DIOT
RECTIFIER, RESISTANCE /
TERMINAL STRIP / Regleta de bornes



DİŞLİ /
BEVEL GEAR / Rueda Conica



DİŞLİ /
BEVEL GEAR / Rueda Conica

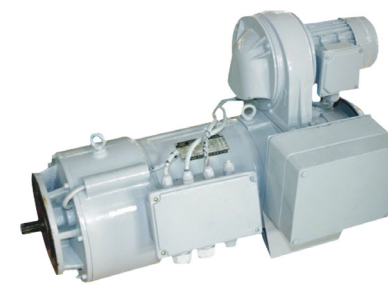


DÖNÜŞ DİŞLİSİ 2 /
SLEWING RING / Anillo de rotacion



DÖNÜŞ DİŞLİSİ /
SLEWING REDUCER PART /
Pieza reductora giratoria

Refacciones



DÖNÜŞ MOTORU /
SLEWING MOTOR /
Motor giratorio



DÖNÜŞ REDUKTOR DİŞLİSİ /
SLEWING REDUCER RING /
Anillo reductor giratorio



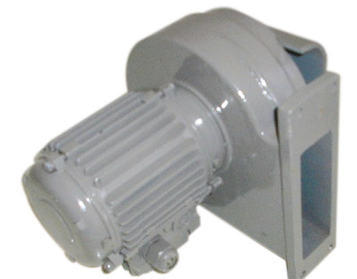
DÖNÜŞ REDUKTOR DİŞLİSİ /
SLEWING REDUCER RING /
Anillo reductor giratorio



DÖNÜŞ REDUKTÖRÜ 1-2-3-(2)
SLEWING REDUCER



FAN DİSKİ /
FAN DISC / Disco del ventilador



FAN MOTORU 1-2 /
FAN / Ventilador



FIBER DİŞLİ /
NYLON PINION FOR LIMIT SWITCH /
Pinon de nylon para el interruptor delimitador



FREN AYAR DİSKİ
BRAKE TUNE DISC
Disco de Ajuste del freno



FREN AYAR DİSKİ SAPLAMALARI /
BRAKE TUNE BOLTS /
Pernos de ajuste del freno



FREN BOBIN VE FREN DİSKİ
FIXED, MOVING MAGNET, TOOTHED RING, SPLINED
SLEEVE, SPRING / Fijo iman móvil - Dentado Anillo - Camisa
acanalada - Muelle



FREN DİSKLERİ /
BRAKE DISCS /
Discos de freno



FREN DİSKİ 1-(2) /
BRAKE DISC /
Discos de freno

Refacciones



HARAKETLİ MAKARA /
TRAVELLING PULLEY /
Polea móvil



INVERTOR /
INVERTOR /
Inversor



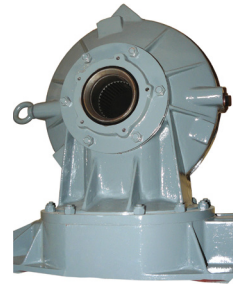
KABİN /
CABIN /
Armario



KANCA ENCODER
HOOK ENCODER
Codificardar del gancho



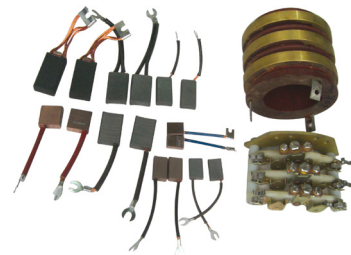
KANCA MOTORU1-2-3
HOOK MOTOR
Motor del gancho



KANCA REDUKTORU
BEVEL REDUCTION GEAR
Rueda conica reductora



KONTAKTOR
CONTACTOR
Contactor



KÖMÜR VE BARALAR
BRUSH HOLDER AND BRUSH,
SLIPPER RING
Porteascabillas y escabilla Anilla deslizando



KUMANDA LEVYELERİ
JOYSTICKS
palanca de mando



KUMANDA LEVYELERİ
JOYSTICKS
Palanca de mando



LCD GÖSTERGE
LCD DISPLAY
Pantalla LCD



MAKARA
PULLEY
Polea

Yedek Parçalar



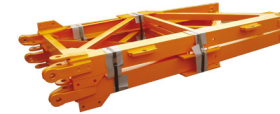
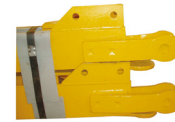
MAKARA
PULLEY
Polea



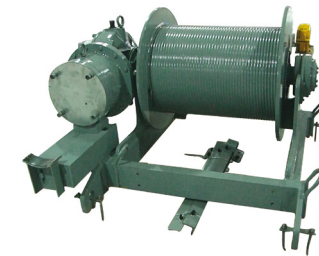
MAKARA
PULLEY
Polea



MAKARA
PULLEY
Polea



MAST
MAST
Mastil



PC TAMBURU
PC WINCH
Cabrestante Pc



POTANSİYOMETRE
POTENTIOMETER
Potenciometro



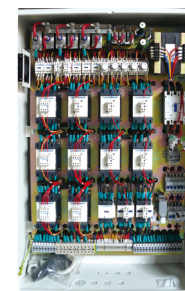
PUL
LOCK NUTS
Tuercas de bloqueo



RCS BALATA
RCS DISC



RCS FAN
RCS FAN



RCS KUMANDA PANOSU
RCS PANEL

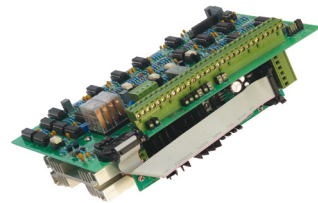


RCS MOTORU
RCS MOTORU
Motor rcs

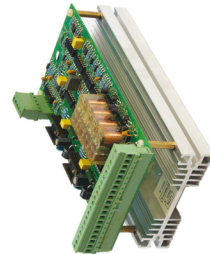


RCS TAMBUR VE REDUKTOR
RCS WINCH
AND REDUCTOR
Cebestante

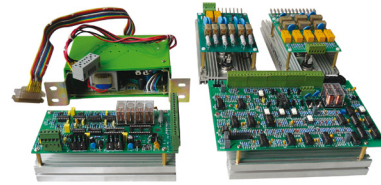
Refacciones



RCV KART /
RCV CARD /
Trojeta rcv



RCV KART /
RCV CARD /
Trojeta rcv



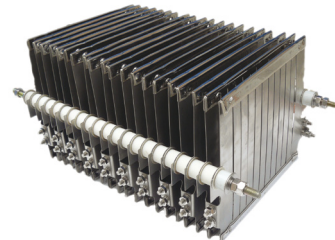
RCV KART /
RCV CARD /
Trojeta rcv



REDUKTOR DISKI
REDUCTION DISC



REDUKTOR DISKI
REDUCTION DISC



REZISTANS /
RESISTANCE /
Resistencia



REZISTANS PANOSU
RESISTANCE PANEL



ROLANSOR MOTORU /
COUPLING PART /
Pieza de acoplamiento



RULMAN /
BEARING FOR ALL KINDS /
Cojinete pdivalente



RUZGAR FRENI /
WEATHERFAN BLOCK /
Bloqueo del ventilador de clima



SABIT ANKRAJ
STATIC ANGLE



SABIT ANKRAJ KILAVUZU
STATIC ANGLE PATHFINDER

Refacciones



SINYAG LAMBASI
SIGNAL LAMB



SOMUN
NUT



SOMUN
NUT



SOMUN
NUT



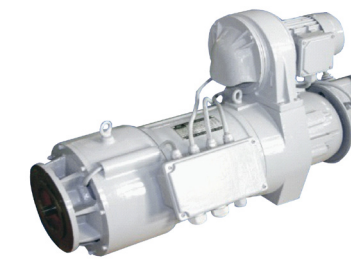
SWITCH
SWITCH



SWITCH
SWITCH



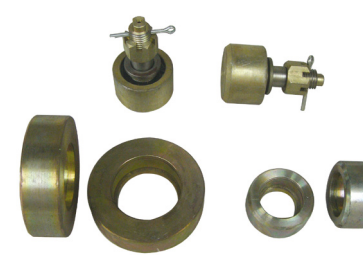
ŞARYO AYAR MAKARASI
TROLLEY PULLEY



ŞARYO MOTORU
TROLLEY MOTOR



ŞARYO TAMBURU
TROLLEY WINCH
Cabrestanta de la carga



ŞARYO YÜRÜTME TEKERİ
TROLLEY ROLLERS



TAMBUR İÇİ REDÜKTÖR
INTERNAL WINCH REDUCTOR



TAMBUR VE REDUKTOR
WINCH & REDUCTOR