

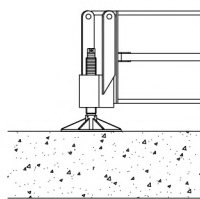
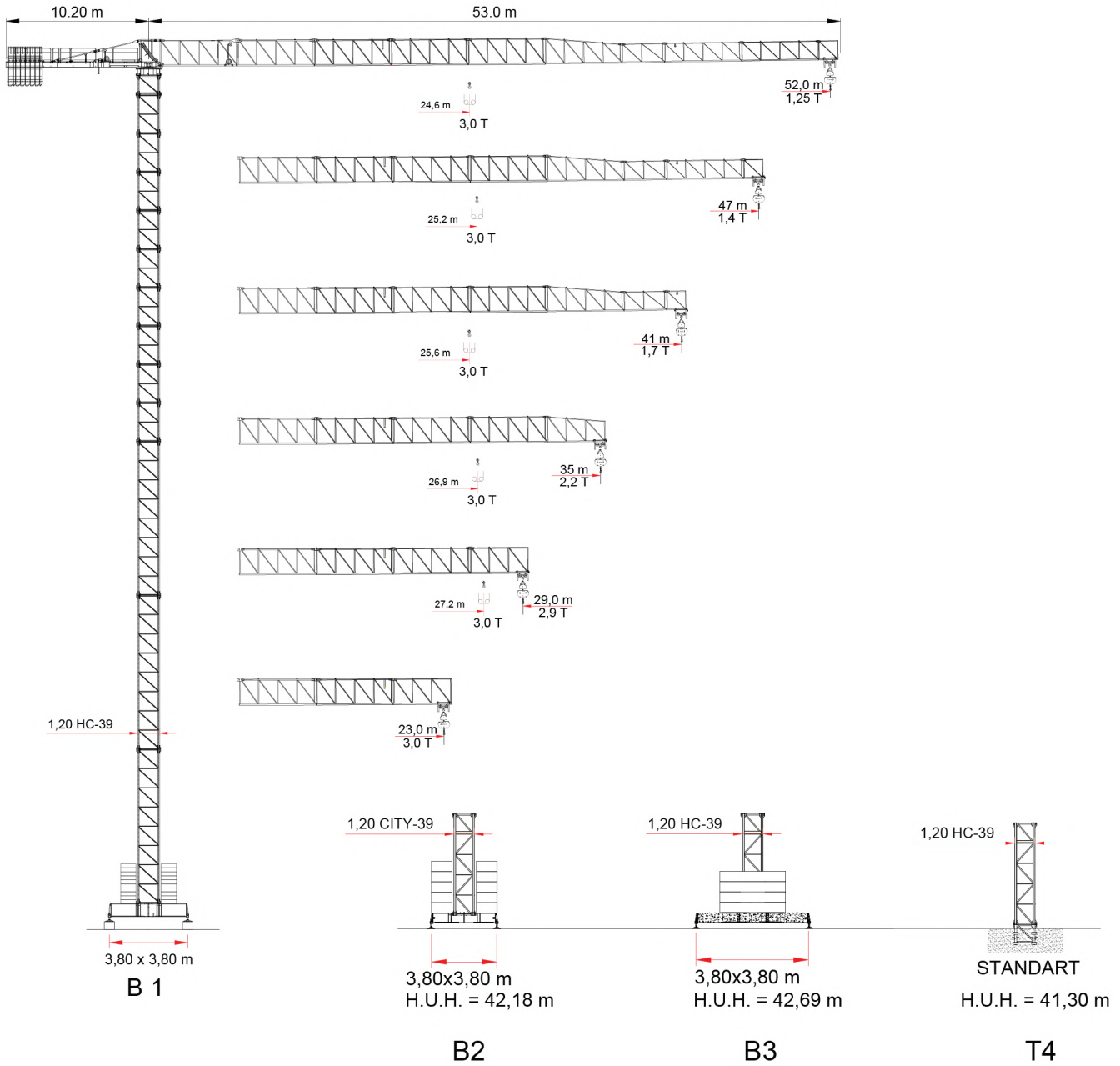
# GRT 5212(6T)

TEKNİK KATALOG - TECHNICAL DATASHEET

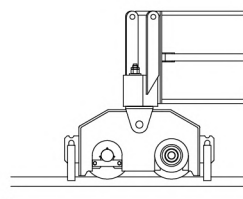


# 3000KG. II HALAT DONANIMI -TEKNİK ÖZELLİKLER

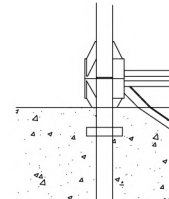
## 3000KG. II ROPE REAR - TECHNICAL SPECIFICATIONS



B2



B3




T4



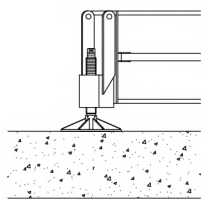
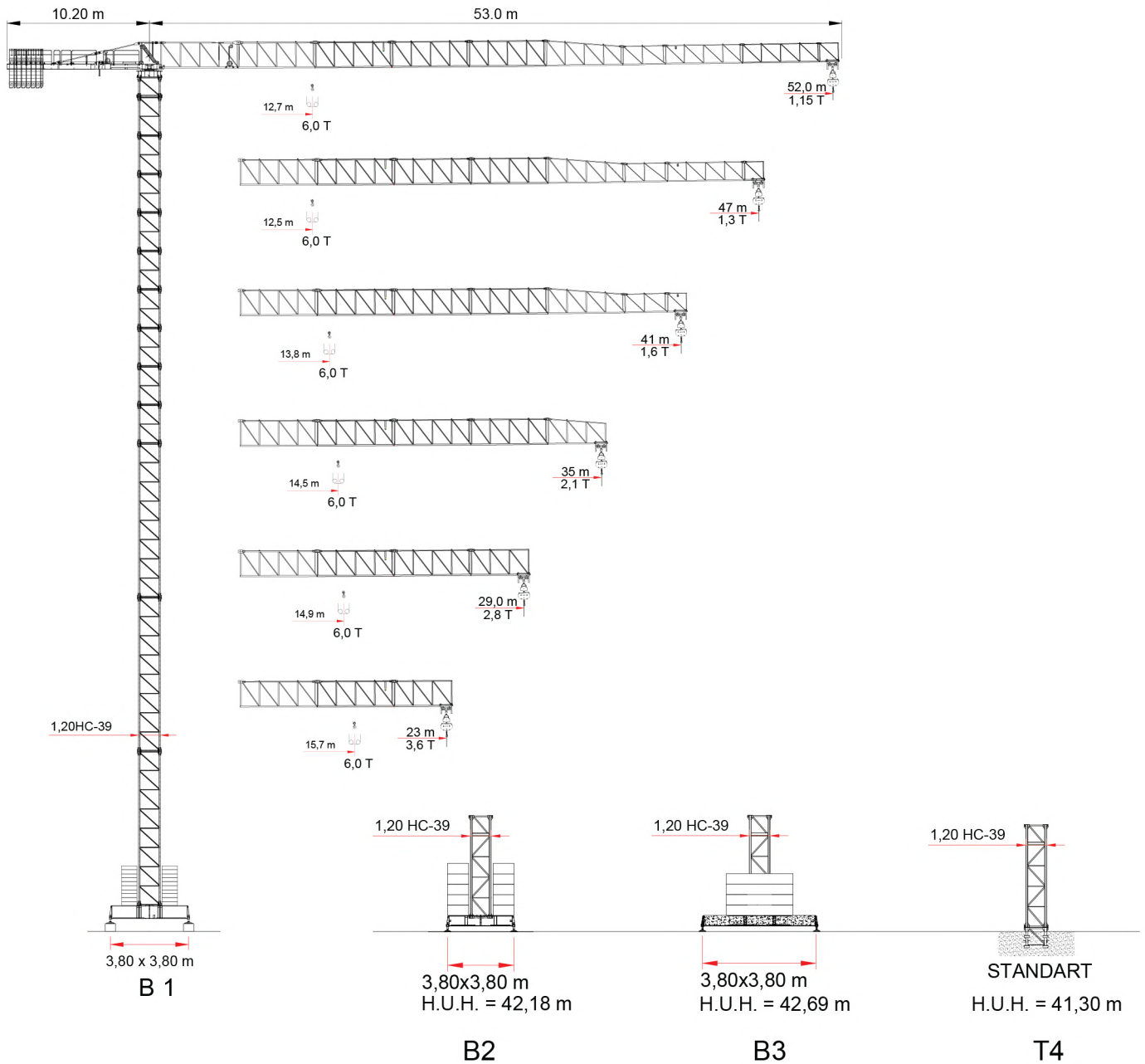
# 3000 KG. II HALAT DONANIMI - YÜK ŞEMALARI

## 3000KG. II ROPE REAR - LOAD DIAGRAMS

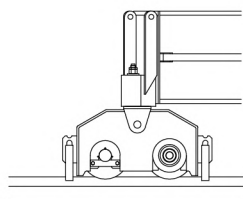
BOM - JIB (m)	52	47	41	35	29	23
MAX YÜK - MAX LOAD (m)	24,6	25,2	26,6	26,9	27,2	23,0
Radius (m)	 3000 Kg					
8	3000	3000	3000	3000	3000	3000
9	3000	3000	3000	3000	3000	3000
10	3000	3000	3000	3000	3000	3000
11	3000	3000	3000	3000	3000	3000
12	3000	3000	3000	3000	3000	3000
13	3000	3000	3000	3000	3000	3000
14	3000	3000	3000	3000	3000	3000
15	3000	3000	3000	3000	3000	3000
16	3000	3000	3000	3000	3000	3000
17	3000	3000	3000	3000	3000	3000
18	3000	3000	3000	3000	3000	3000
19	3000	3000	3000	3000	3000	3000
20	3000	3000	3000	3000	3000	3000
21	3000	3000	3000	3000	3000	3000
22	3000	3000	3000	3000	3000	3000
23	3000	3000	3000	3000	3000	3000
24	3000	3000	3000	3000	3000	
25	2934	3000	3000	3000	3000	
26	2978	2904	3000	3000	3000	
27	2890	2760	2850	2979	3000	
28	2675	2655	2745	2771	2980	
29	2460	2550	2640	2750	2900	
30	2375	2450	2555	2655		
31	2290	2350	2470	2560		
32	2210	2263	2358	2475		
33	2130	2175	2246	2390		
34	2050	2118	2193	2345		
35	1970	2060	2140	2200		
36	1910	2000	2080			
37	1850	1940	2020			
38	1815	1875	1940			
39	1780	1830	1860			
40	1735	1775	1780			
41	1690	1720	1700			
42	1645	1680				
43	1600	1640				
44	1560	1560				
45	1520	1480				
46	1475	1440				
47	1430	1400				
48	1390					
49	1350					
50	1317					
51	1284					
52	1250					

# 6000KG. II HALAT DONANIMI -TEKNİK ÖZELLİKLER

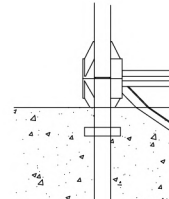
## 6000KG. II ROPE REAR - TECHNICAL SPECIFICATIONS



B2



B3




T4



# 6000 KG. II HALAT DONANIMI - YÜK ŞEMALARI

## 6000KG. II ROPE REAR - LOAD DIAGRAMS

BOM - JIB (m)	52	47	41	35	29	23
MAX YÜK - MAX LOAD (m)	12,7	13,5	13,8	14,5	14,9	15,7
Radius (m)	 6000 Kg					
8	6000	6000	6000	6000	6000	6000
9	6000	6000	6000	6000	6000	6000
10	6000	6000	6000	6000	6000	6000
11	6000	6000	6000	6000	6000	6000
12	6000	6000	6000	6000	6000	6000
13	5800	6000	6000	6000	6000	6000
14	5335	5490	5984	5730	6000	6000
15	4870	4980	5140	5460	5680	6000
16	4550	4675	4810	5105	5265	5700
17	4230	4370	4480	4750	4850	5270
18	3980	4090	4225	4470	4820	5000
19	3730	3810	3970	4190	4790	4980
20	3535	3620	3765	3970	4725	4915
21	3340	3430	3560	3750	4660	4850
22	3170	3270	3390	3565	4065	4225
23	3000	3110	3220	3380	3470	3600
24	2870	2970	3090	3194	3385	
25	2740	2830	2960	3008	3300	
26	2620	2720	2830	2914	3165	
27	2500	2610	2700	2820	3030	
28	2405	2505	2595	2710	2915	
29	2310	2400	2490	2600	2800	
30	2225	2305	2405	2505		
31	2140	2210	2320	2410		
32	2060	2118	2208	2325		
33	1980	2025	2096	2240		
34	1900	1852	2043	2170		
35	1820	1910	1990	2100		
36	1760	1850	1930			
37	1700	1790	1870			
38	1665	1735	1790			
39	1630	1680	1710			
40	1585	1625	1655			
41	1540	1570	1600			
42	1495	1530				
43	1450	1490				
44	1385	1410				
45	1370	1330				
46	1325	1315				
47	1280	1300				
48	1280					
49	1240					
50	1200					
51	1155					
52	1150					

# KANCA ÖZELLİKLERİ

## HOOK FEATURES

ÇELİK HALAT ÖZELLİKLERİ - STEEL ROPE SPECIFICATIONS				
HALAT NOMİNAL ÇAPI - ROPE NOMINAL DIAMETER (mm)		12		
HALAT (Tip) - ROPE (Type)		Anti-twisting		
HALAT TİPİ - ROPE TYPE		Çelik - Steel		
MİNİMUM KOPMA YÜKÜ - MINIMUM BREAKING LOAD (kN)		115		
GERÇEK KOPMA YÜKÜ - ACTUAL BREAKING LOAD (kN)		129		
TAMBUR ÖZELLİKLERİ - DRUM FEATURES				
OLUK BOŞLUĞU - GUTTER GAP (mm)		12,5		
SARMA HALAT ÇAPI - WRAPPING ROPE DIAMETER (mm)		250/350		
HIZ ÖZELLİKLERİ - SPEED FEATURES				
Hızlar Speeds	2'li Donanım - Two Falls		4'lü Donanım - Four Falls	
	Kg	m/dk - m/min	Kg	m/dk - m/min
1	3000	6	6000	3
2	3000	40	6000	20
3	2000	72	4000	36
4	1200	96	2400	48
KANCA MOTOR VE REDÜKTÖR ÖZELLİKLERİ				
MOTOR TİPİ - ENGINE TYPE		ASENKRON		
MOTOR GÜCÜ - ENGINE POWER		18,5 Kw / 25 Hp		
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED		1455 rpm		
REDÜKTÖR TİPİ - REDUCER TYPE		BPH316K		
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE		i= 34,40		
KANCA FRENİ (MANYETİK) - HOOK BRAKE (MAGNETIC)		20 VDC / 180 VDC / 330 Nm		

# DÖNÜŞ ÖZELLİKLERİ

## ROTATION FEATURES

DÖNÜŞ MOTORU VE REDÜKTÖR ÖZELLİKLERİ - ROTATION MOTOR AND REDUCER FEATURES				
MOTOR TİPİ - ENGINE TYPE		ASENKRON		
MOTOR GÜCÜ - ENGINE POWER		1X65 Nm		
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED		1400 / 1300 rpm		
REDÜKTÖR TİPİ - REDUCER TYPE		TCS3050DC		
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE		i= 164,52		
VİNÇ DÖNÜŞ HIZI - CRANE ROTATION SPEED				
1. VİTES - 1st GEAR	(15 VDC)	4,15 dk-min/360°		
2. VİTES - 2nd GEAR	(7,5 VDC)	1,40 dk-min/360°		
3. VİTES - 3rd GEAR	(0 VDC)	1,23 dk-min/ 360°		
FREN ÖZELLİKLERİ - BRAKE FEATURES				
MANYETİK - MAGNETIC		20 VDC / 150 Nm		
ROLANTİSÖR - ROLANTISOR		0-20 VDC		









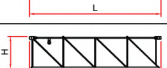
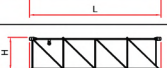

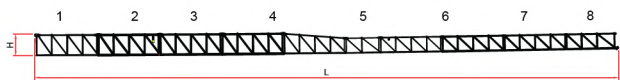
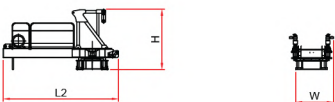
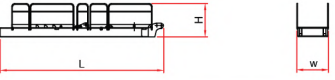
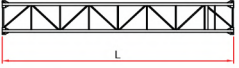
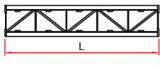


# ŞARYO ÖZELLİKLERİ

## PLAIN TROLLEY FEATURES

ŞARYO HALATI ÖZELLİKLERİ - TROLLEY ROPE FEATURES				
HALAT NOMİNAL ÇAPI - ROPE NOMINAL DIAMETER (mm)		8		
HALAT (TİP) - ROPE (Type)		Anti-twisting		
HALAT TİPİ - ROPE TYPE		Çelik - Steel		
MİNİMUM KOPMA YÜKÜ - MINIMUM BREAKING LOAD (kN)		34,71		
GERÇEK KOPMA YÜKÜ - ACTUAL BREAKING LOAD (kN)		43,55		
TAMBUR ÖZELLİKLERİ - DRUM FEATURES				
OLUK BOŞLUĞU - GUTTER GAP (mm)		8,5		
SARMA HALAT ÇAPI - WRAPPING ROPE DIAMETER (mm)		408		
HIZ ÖZELLİKLERİ - SPEED FEATURES				
Hızlar Speeds	2'li Donanım - Two Falls		4'lü Donanım - Four Falls	
	Kg	m/dk - m/min	Kg	m/dk - m/min
1	6000	11	3000	11
2	6000	48	3000	48
3	4000	82	2000	82
ŞARYO MOTOR VE REDÜKTÖR ÖZELLİKLERİ - TRANSPORTATION MOTOR AND REDUCER SPECIFICATIONS				
MOTOR TİPİ - ENGINE TYPE		ASENKRON		
MOTOR GÜCÜ - ENGINE POWER		5,5 Kw / 7,5 Hp		
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED		1456 rpm		
REDÜKTÖR TİPİ - REDUCER TYPE		PLANET (TİP AR.020878)		
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE		i= 40		
ŞARYO FRENİ (MANYETİK) - TROLLEY BRAKE (MAGNETIC)		20 VDC / 180 VDC		
YÜRÜYÜŞ MOTORU VE REDÜKTÖR ÖZELLİKLERİ - TRAVEL MOTOR AND REDUCER FEATURES				
MOTOR TİPİ - ENGINE TYPE		ASENKRON		
MOTOR GÜCÜ - ENGINE POWER		2x3 Kw / 5,4 Hp		
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED		1445 rpm		
REDÜKTÖR TİPİ - REDUCER TYPE		KR473.00		
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE		i= 25,15		
YÜRÜYÜŞ HIZI (10 Hz) - WALKING SPEED (10 Hz)		0,16 m/min		
VİNÇ OTOMASYON PANELİ ÖZELLİKLERİ - CRANE AUTOMATION PANEL FEATURES				
30-37 Kw KANCA SÜRÜCÜSÜ - 30-37 Kw HOOK DRIVE		SCHNEIDER		
5,5 Kw ŞARYO SÜRÜCÜSÜ - 5.5 KW TROLLEY DRIVE		SCHNEIDER		
PLC		SCHNEIDER		
KONTAKTÖR - CONTACTOR		SCHNEIDER		
DÖNÜŞ KARTI - RETURN CARD		TGM		

# EKİPMAN TEKNİK VERİLERİ





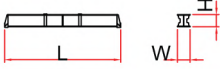



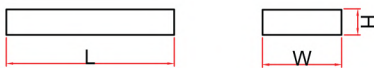

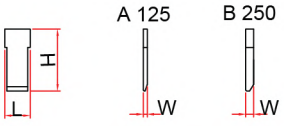
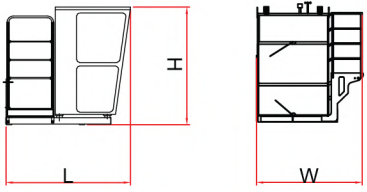
## EQUIPMENT TECHNICAL DATA

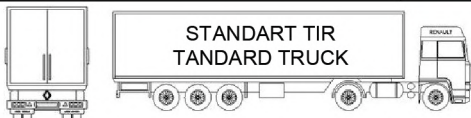
Parça Piece	Açıklama Explanation	Çizim Drawing	Boyutlar Dimensions			Ağırlık Weight (Kg)	
			L	W	H	Birim	Top.
1	Bomlar - Jibs	0 	6.135	1.280	2.060	1500	1500
1		1 	6.155	1.150	2.060	700	700
1		2 	6.155	1.150	2.060	590	590
1		3 	6.155	1.150	2.060	490	490
1		4 	6.060	1.150	2.030	420	420
1		5 	6.060	1.150	1.500	340	340
1		6 	6.040	1.150	1.500	300	300
1		7 	6.005	1.150	1.500	265	265
1		8 	4.750	1.150	1.470	220	220
BOM JIB			52 m 47 m 41 m 35 m 29 m 23 m	53.00 48.40 42.50 36.60 30.70 24.80	1.280 1.280 1.280 1.280 1.280 1.280	2060 2060 2060 2060 2060 2060	4901 4681 4416 4116 3776 3356
1	Kuyruk Tablası, Kanca Motoru, Elektrik Panosu vs. Tail Table, Hook Motor, Electrical Panel etc.		5.085	1.979	2.594	5885	5885
1	Kuyruk - Tail		6.715	1.930	1.430	1960	1960
1	Mast - Tower Element		11.8	1.200	1.380	3350	3350
			5.90	1.200	1.380	1675	1675
			2.95	1.200	1.380	887	887
			1.10	1.200	1.380	472	472



# EKİPMAN TEKNİK VERİLERİ

## EQUIPMENT TECHNICAL DATA

Parça Piece	Açıklama Explanation	Çizim Drawing	Boyutlar Dimensions			Ağırlık Weight (Kg)	
			L	W	H	Birim	Top.
-	<b>Mast - Tower Element</b>		11.675	1.18	1.18	3350	3350
			5.83	1.18	1.18	1775	1775
			2.36	1.18	1.18	900	900
			1.35	1.18	1.18	791	791
1	<b>Şase Uzun Kol - Chassis Long Arm</b>	 3,8x3,8mt	5.535	0.710	0.760	1540	1540
2	<b>Şase Kısa Kol - Chassis Short Arm</b>	 3,8x3,8mt	2.620	0.590	0.770	1010	2020
2	<b>Yürüyüş Takımı Motorsuz Undercarriage Without Motor</b>		1.14	0.273	0.543	505	1010
2	<b>Yürüyüş Takımı Motorlu Undercarriage Motorized</b>		1.204	0.605	0.543	605	1210
14	<b>Şase Taşı - Chassis Stone (Z 505)</b>		3.80	0.50	1.20	5050	70700
4	<b>Destek Bloğu - Support Block</b>		3.00	0.60	0.60	2465	9860
1 5	<b>Kuyruk Taşı - Tail Stone</b>	 A 125 B 250	A 125 3.000 B 250 3.000	0.185 0.370	1.200 1.200	1250 2500	2500 12500
1	<b>Kabin - Cabin</b>		2.749	2.10	2.289	850	850



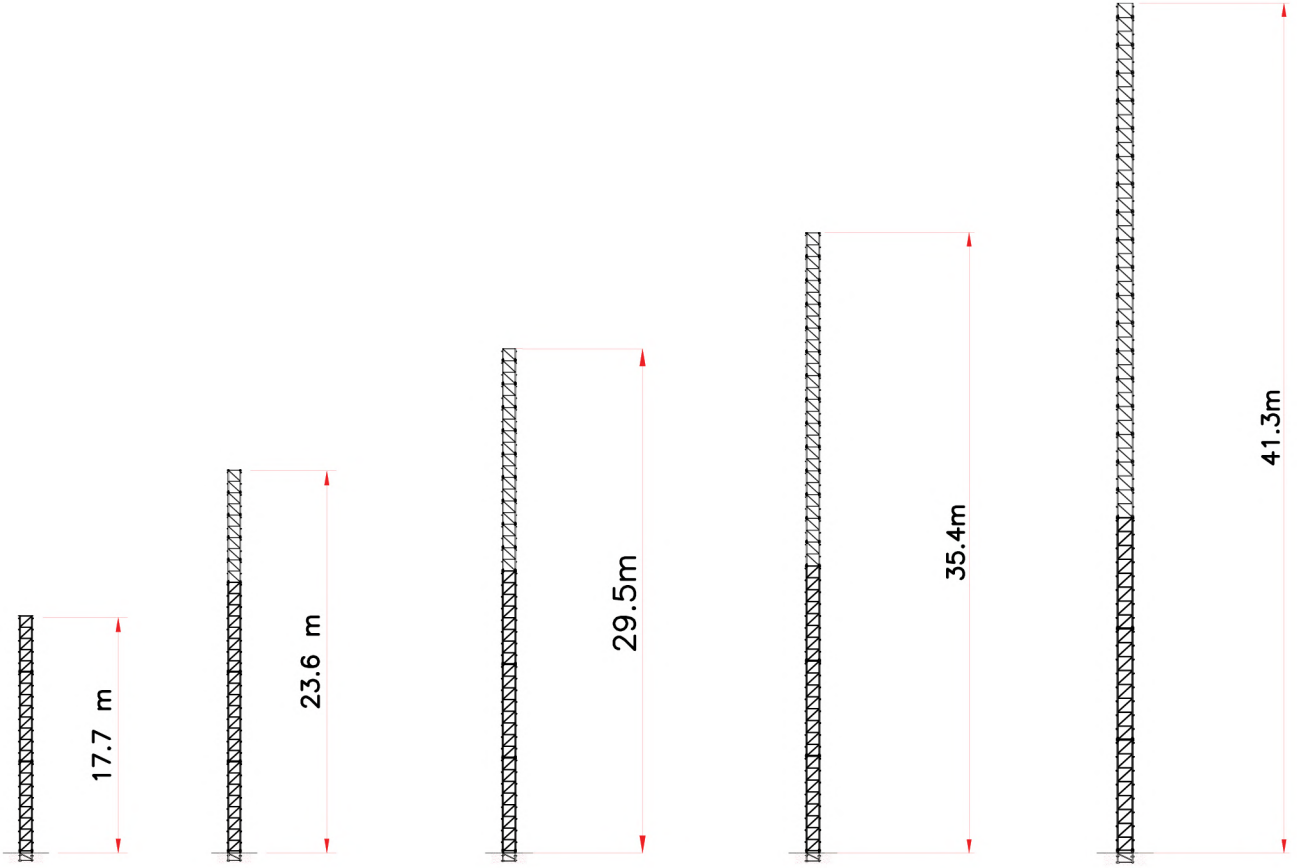
Şase ve Taşı Tır Sayısı - Number of Trucks with Chassis and Stones = 6  
Ankrajlı Tır Sayısı - Number of Anchored Trucks = 4



Şase ve Taşı Konteyner Sayısı - Number of Containers with Chassis and Without Stone = 6  
Ankrajlı Konteyner Sayısı - Number of Anchored Containers = 5

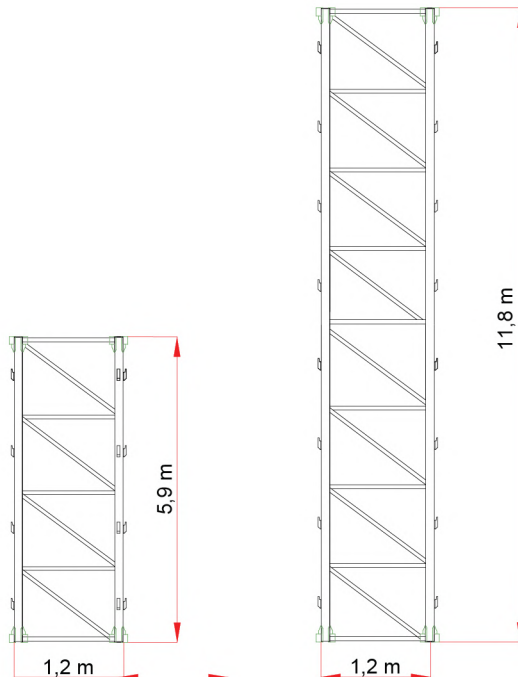
# STANDART KURULUM YÜKSEKLİKLERİ

## STANDARD INSTALLATION HEIGHTS



# KULE ELEMANLARI TİP 1, 20HC-39

## TOWER ELEMENTS TYPE 1, 20HC-39





# BESLEME KABLOSU ÖZELLİKLERİ

## SUPPLY CABLE SPECIFICATIONS

Kaldırma Gücü Lifting Power	Üç Kutup Artı Topraklama Kablosu İçin Tek Kablo Kesiti (mm <sup>2</sup> ) Single Cable Cross Section for Three Pole Plus Ground Cable (mm <sup>2</sup> )					
	0-30m	30-50m	50-100m	100-200m	200-300m	300-400m
42 Kw	4x16 TTR	3x25+16 TTR	3x35+16 TTR	3x50+25 TTR	3x70+35 TTR	3x95+50 TTR
<b>Besleme Gerilimi 380-400 VAC ± %5</b> - Supply Voltage 380-400 VAC ± 5%						
<b>Haber Vermeden Değişirme Hakkımız Saklıdır.</b> We reserve the right to change without notice.						
<b>Trafo / Besleme İstasyonundan Vinç Elektrik Panosuna Kadar Ölçülen Kablo Uzunluğu.</b> Measured Cable Length from Transformer / Supply Station to Crane Electrical Panel.						

# GÜÇ KAYNAĞI

## POWER SOURCE

<b>Besleme Gerilimi</b> Supply voltage	380VAC - 400VAC 50Hz
<b>Kaldırma Tipi 40-VF8 ile Versiyon</b> Version with Lifting Type 40-VF8	
<b>Toplam Güç (Yürüyüş Sistemi Olmadan)</b> Total Power (Without Drive System)	36 Kw
<b>Toplam Güç (Yürüyüş Sistemi İle)</b> Total Power (With Drive System)	42 Kw
<b>Termal Koruma</b> Thermal Protection	80A
<b>Diferansiyel Koruma</b> Differential Protection	id=30ma
<b>Jeneratör (Gerekli Olduğu Durumlarda)</b> Generator (When Necessary)	108 KWA

# YEDEK PARÇALAR

## SPARE PARTS



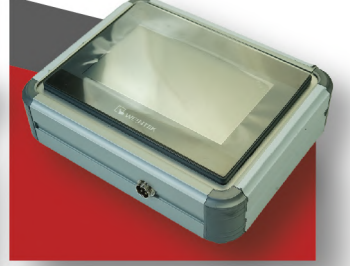
KANCA - HOOK



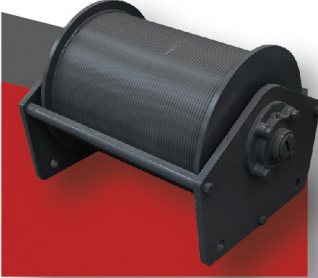
HALAT - ROPE



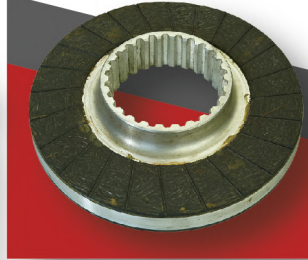
TAKİP SİSTEMİ - TRACKING SYSTEM



GÖSTERGE EKRANI - DASHBOARD



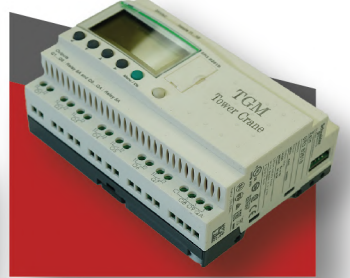
TAMBUR - DRUM



BALATA - BRAKE PAD



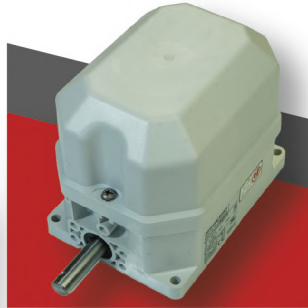
TUR SWITCH - TOUR SWITCH



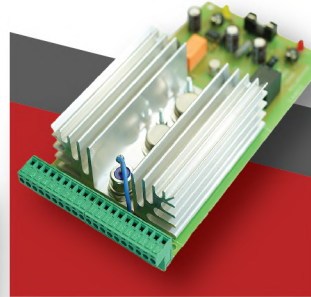
PLC MODÜL - PLC MODULE



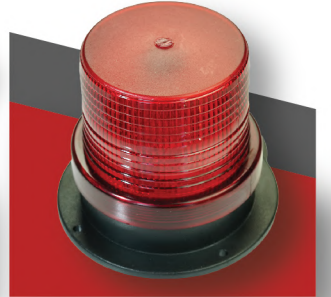
JOYSTİK - JOYSTICK



KANCA SWITCH - HOOK SWITCH



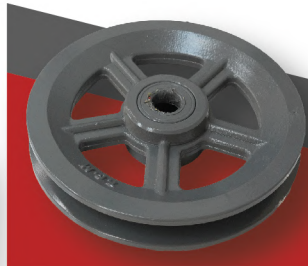
DÖNÜŞ KARTI - RETURN CARD



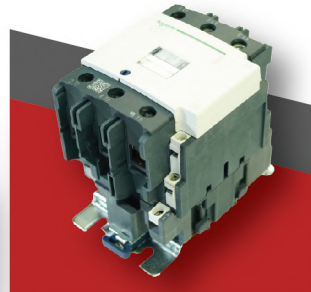
TEPE İKAZ LAMBASI - WARNING LAMP



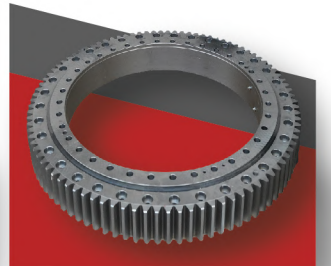
RÜZGAR GÜLÜ - WIND ROSE



MAKARA - PULLEY



KONTAKTÖR - CONTACTOR



GÖBEK DİŞLİSİ - HUB GEAR

TGM Kalitesi ile üretilen daha bir çok yedek parça envanterimizde bulunmaktadır. İhtiyaç doğrultusunda yedek parça temini tarafımızca güvenle ve sorunsuz sağlanmaktadır.

Many more spare parts produced with TGM Quality are available in our warehouse. Spare parts are supplied by us in case of need and are offered without any problems.



# İHRACAT EXPORT

Ürettiği sağlam ve güvenilir kule vinçlerle Dünya pazarına açılan TGM Kule Vinç kendi alanında ülkede ve Dünyada sayılı markalar arasında yer almaktadır. Milli değerlere verdiği önemle üretilen kule vinçler ile bir çok ülkedeki inşaat projelerine yaptığı satışlarla ülke ekonomisine katkı sağlamaktadır. Türkiye'nin yarınlarını inşa eden TGM Kule Vinç Dünyada'da bu alanda tercih edilen markalar arasında yer almaktadır.

TGM Tower Crane, which opened to the world market with the robust and reliable tower cranes it produces, is among the few brands in its field in the country and in the world. It contributes to the country's economy by selling tower cranes to construction projects in many countries with the importance it attaches to national values. TGM Tower Crane, which is building Turkey's future, is among the preferred brands in this field in the world.

## TÜRKİYE'NİN DÜNYA'YA AÇILAN PENCERESİ TURKEY'S WINDOW TO THE WORLD



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FRANCE



K.KIBRIS  
N.CYPRUS



SUDAN  
SUDAN



SENEGAL  
SENEGAL



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UKRAYNA  
UKRAINE



GÜRCİSTAN  
GEORGIA



RUSYA  
RUSSIA



MOZAMBİK  
MOZAMBIQUE



ÖZBEKİSTAN  
UZBEKISTAN



AZERBAYCAN  
AZERBAIJAN







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