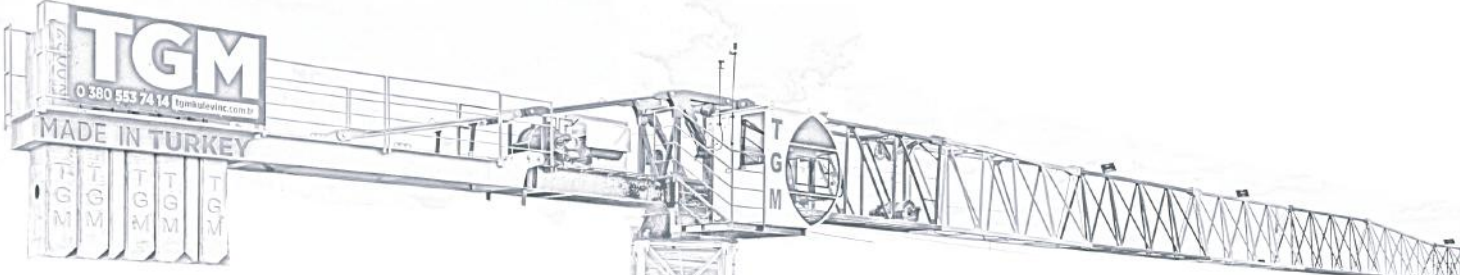


TGM

KULE VİNCİ

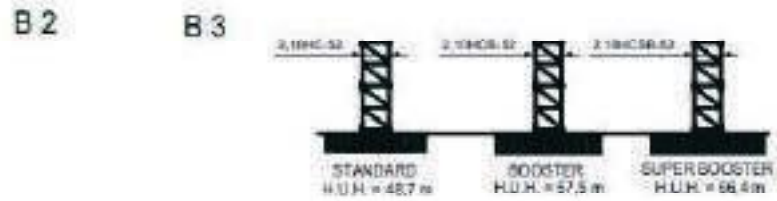
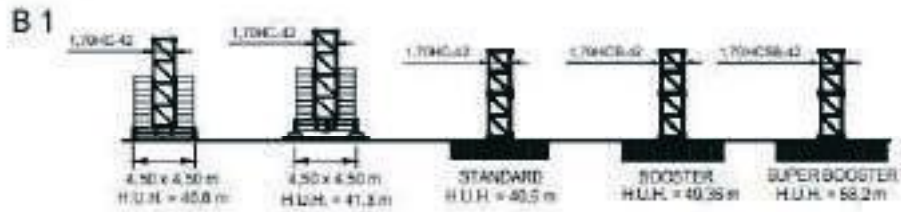
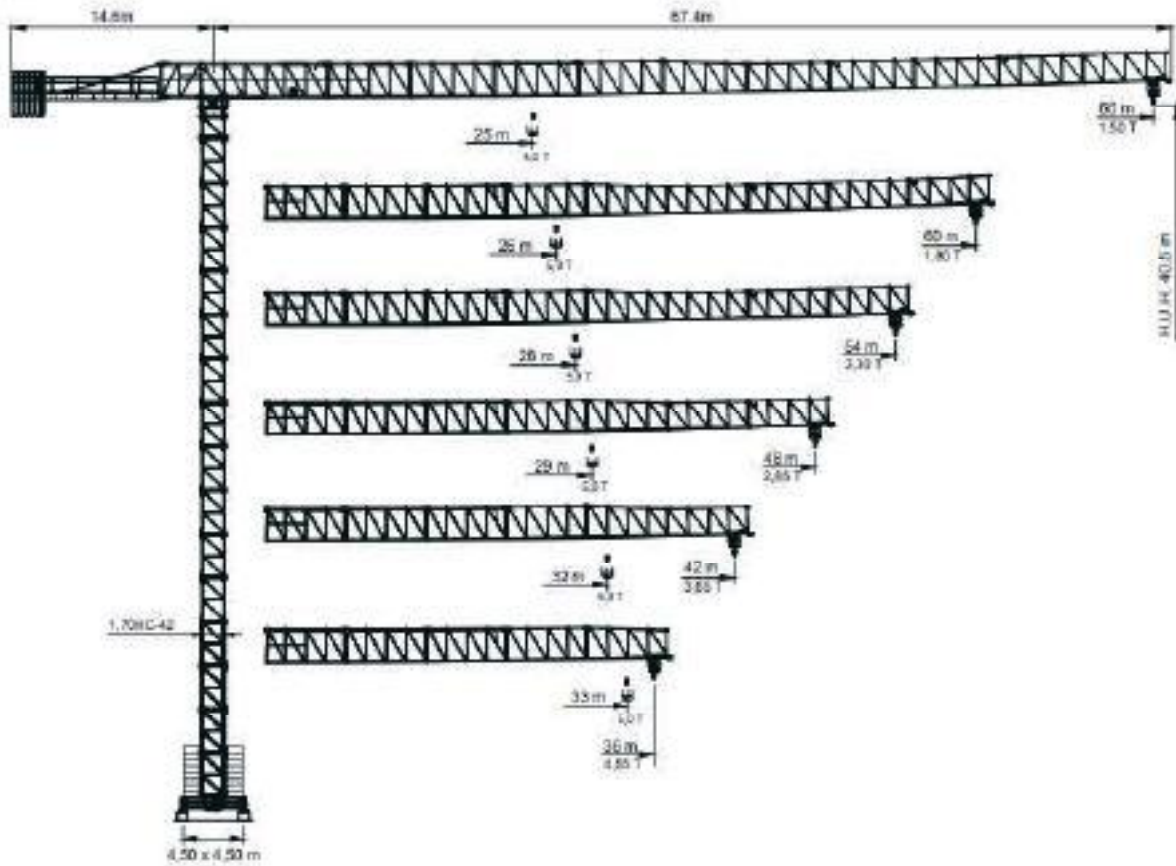


**TÜRKİYE'NİN
GÜVENİLİR
MARKASI**

GRT 6615 / 10T

STANDART TEKNİK ÖZELLİKLER

5000 KG. ■ HALAT DONANIMI



T 4




B 1

B 2

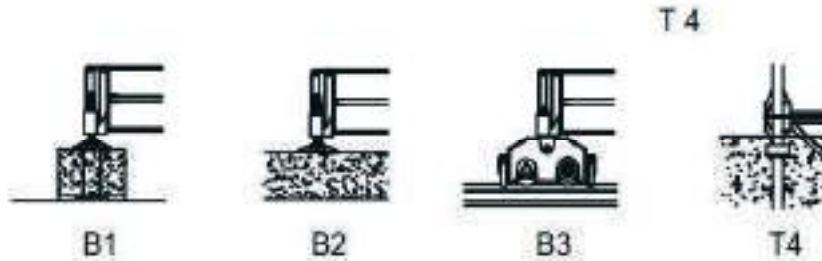
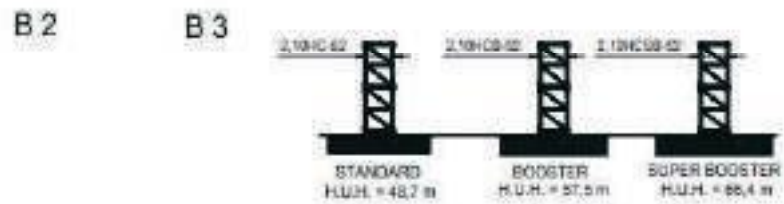
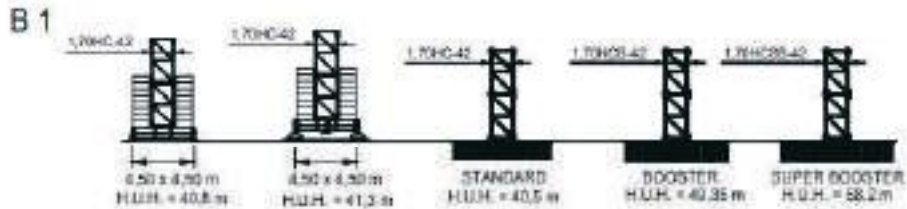
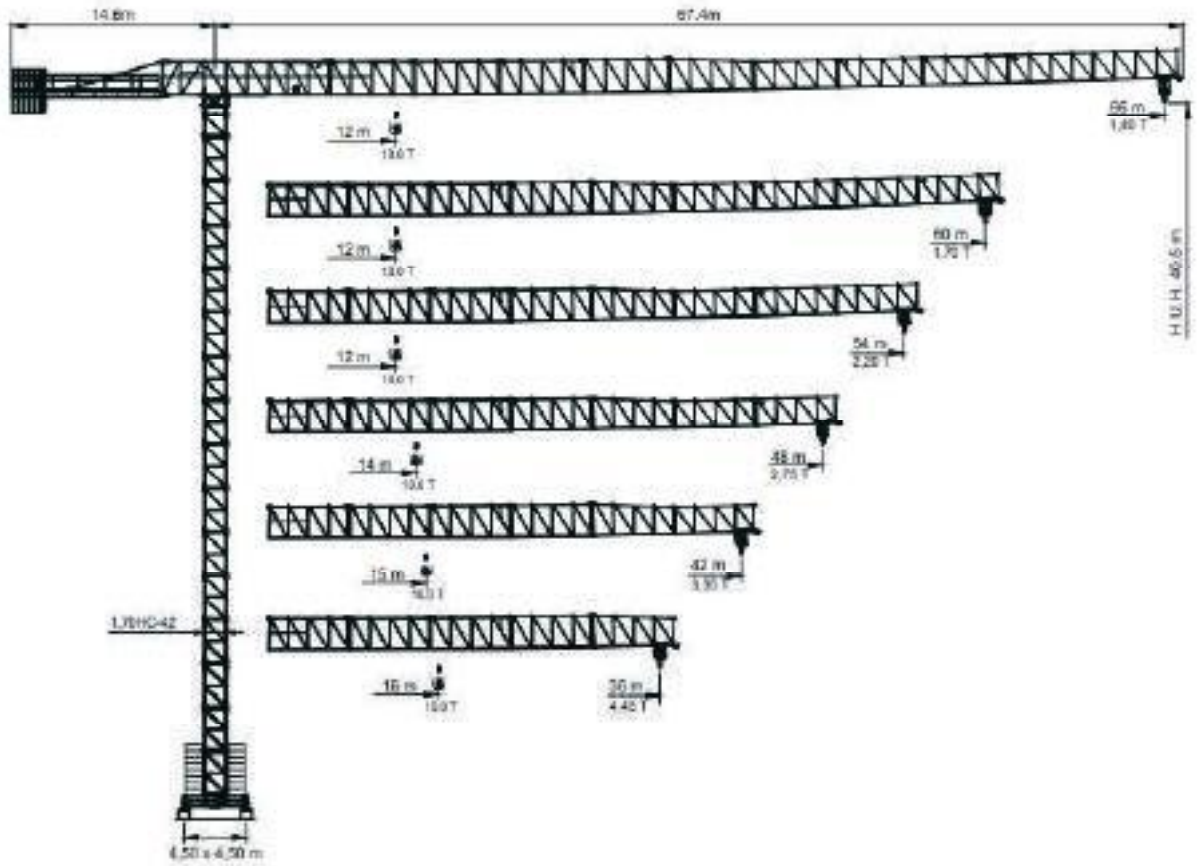
B 3

T 4

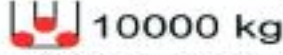
YÜK ŞEMALARI
MAKSİMUM YÜK 5000 KG. II HALAT DONANIMI

| Jib (m) | 66 | 60 | 54 | 48 | 42 | 36 |
|------------------|--|------|------|------|------|------|
| Max. Load to (m) | 25 | 26 | 28 | 30 | 32 | 33 |
| Radius (m) |  5000 kg | | | | | |
| 12 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 13 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 14 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 15 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 16 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 17 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 18 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 19 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 20 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 21 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 22 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 23 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 24 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 25 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 26 | 4900 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 27 | 4730 | 4835 | 5000 | 5000 | 5000 | 5000 |
| 28 | 4500 | 4670 | 5000 | 5000 | 5000 | 5000 |
| 29 | 4380 | 4460 | 4885 | 5000 | 5000 | 5000 |
| 30 | 4100 | 4310 | 4720 | 5000 | 5000 | 5000 |
| 31 | 3990 | 4100 | 4490 | 4870 | 5000 | 5000 |
| 32 | 3840 | 3990 | 4370 | 4640 | 5000 | 5000 |
| 33 | 3725 | 3810 | 4190 | 4500 | 4860 | 5000 |
| 34 | 3570 | 3710 | 4070 | 4320 | 4680 | 4860 |
| 35 | 3465 | 3575 | 3905 | 4210 | 4495 | 4710 |
| 36 | 3330 | 3460 | 3800 | 4040 | 4380 | 4550 |
| 37 | 3215 | 3320 | 3650 | 3900 | 4240 | |
| 38 | 3110 | 3240 | 3560 | 3790 | 4110 | |
| 39 | 3025 | 3125 | 3415 | 3675 | 3920 | |
| 40 | 2920 | 3040 | 3350 | 3560 | 3860 | |
| 41 | 2845 | 2940 | 3230 | 3460 | 3745 | |
| 42 | 2750 | 2870 | 3150 | 3350 | 3650 | |
| 43 | 2680 | 2765 | 3045 | 3250 | | |
| 44 | 2590 | 2700 | 2980 | 3170 | | |
| 45 | 2520 | 2615 | 2895 | 3090 | | |
| 46 | 2450 | 2550 | 2820 | 3000 | | |
| 47 | 2370 | 2475 | 2735 | 2910 | | |
| 48 | 2310 | 2420 | 2670 | 2850 | | |
| 49 | 2240 | 2345 | 2600 | | | |
| 50 | 2190 | 2290 | 2540 | | | |
| 51 | 2125 | 2225 | 2480 | | | |
| 52 | 2080 | 2180 | 2410 | | | |
| 53 | 2015 | 2115 | 2350 | | | |
| 54 | 1980 | 2070 | 2300 | | | |
| 55 | 1925 | 2010 | | | | |
| 56 | 1880 | 1970 | | | | |
| 57 | 1835 | 1925 | | | | |
| 58 | 1800 | 1880 | | | | |
| 59 | 1745 | 1830 | | | | |
| 60 | 1710 | 1800 | | | | |
| 61 | 1665 | | | | | |
| 62 | 1640 | | | | | |
| 63 | 1595 | | | | | |
| 64 | 1560 | | | | | |
| 65 | 1535 | | | | | |
| 66 | 1500 | | | | | |

STANDART TEKNİK ÖZELLİKLER 10000 KG. IV HALAT DONANIMI



YÜK ŞEMALARI
MAKSİMUM YÜK 10000 KG. IV HALAT DONANIM

| Jib (m) | 66 | 60 | 54 | 48 | 42 | 36 |
|------------------|---|-------|-------|-------|-------|-------|
| Max. Load to (m) | 12 | 12 | 12 | 14 | 15 | 16 |
| Radius (m) |  10000 kg | | | | | |
| 12 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 13 | 9390 | 9510 | 9790 | 10000 | 10000 | 10000 |
| 14 | 8700 | 9200 | 9610 | 10000 | 10000 | 10000 |
| 15 | 8360 | 8560 | 8705 | 8900 | 10000 | 10000 |
| 16 | 8000 | 8120 | 8200 | 8500 | 9505 | 10000 |
| 17 | 7480 | 7660 | 7800 | 8320 | 9050 | 9800 |
| 18 | 7070 | 7210 | 7640 | 7960 | 8540 | 9510 |
| 19 | 6755 | 6950 | 7510 | 7705 | 8300 | 9200 |
| 20 | 6540 | 6790 | 7410 | 7560 | 8000 | 8200 |
| 21 | 6205 | 6390 | 6980 | 7240 | 7820 | 8000 |
| 22 | 5850 | 6080 | 6640 | 7030 | 7600 | 7870 |
| 23 | 5575 | 5700 | 6280 | 6605 | 7280 | 7560 |
| 24 | 5280 | 5490 | 6010 | 6360 | 6880 | 7130 |
| 25 | 5040 | 5200 | 5700 | 6000 | 6595 | 6955 |
| 26 | 4800 | 5000 | 5470 | 5800 | 6270 | 6510 |
| 27 | 4630 | 4735 | 5200 | 5495 | 6025 | 6215 |
| 28 | 4400 | 4570 | 5010 | 5320 | 5760 | 5970 |
| 29 | 4280 | 4360 | 4785 | 5020 | 5545 | 5730 |
| 30 | 4000 | 4210 | 4620 | 4900 | 5310 | 5510 |
| 31 | 3890 | 4000 | 4390 | 4770 | 5150 | 5265 |
| 32 | 3740 | 3890 | 4270 | 4540 | 4920 | 5110 |
| 33 | 3625 | 3710 | 4090 | 4400 | 4760 | 4900 |
| 34 | 3470 | 3610 | 3970 | 4220 | 4580 | 4760 |
| 35 | 3365 | 3475 | 3805 | 4110 | 4395 | 4610 |
| 36 | 3230 | 3360 | 3700 | 3940 | 4280 | 4450 |
| 37 | 3115 | 3220 | 3550 | 3800 | 4140 | |
| 38 | 3010 | 3140 | 3460 | 3690 | 4010 | |
| 39 | 2925 | 3025 | 3315 | 3575 | 3820 | |
| 40 | 2820 | 2940 | 3250 | 3460 | 3760 | |
| 41 | 2745 | 2840 | 3130 | 3360 | 3645 | |
| 42 | 2650 | 2770 | 3050 | 3250 | 3550 | |
| 43 | 2580 | 2665 | 2945 | 3150 | | |
| 44 | 2490 | 2600 | 2880 | 3070 | | |
| 45 | 2420 | 2515 | 2795 | 2990 | | |
| 46 | 2350 | 2450 | 2720 | 2900 | | |
| 47 | 2270 | 2375 | 2635 | 2810 | | |
| 48 | 2210 | 2320 | 2570 | 2750 | | |
| 49 | 2140 | 2245 | 2500 | | | |
| 50 | 2090 | 2190 | 2440 | | | |
| 51 | 2025 | 2125 | 2380 | | | |
| 52 | 1980 | 2080 | 2310 | | | |
| 53 | 1915 | 2015 | 2250 | | | |
| 54 | 1880 | 1970 | 2200 | | | |
| 55 | 1825 | 1910 | | | | |
| 56 | 1780 | 1870 | | | | |
| 57 | 1735 | 1825 | | | | |
| 58 | 1700 | 1780 | | | | |
| 59 | 1645 | 1730 | | | | |
| 60 | 1610 | 1700 | | | | |
| 61 | 1565 | | | | | |
| 62 | 1540 | | | | | |
| 63 | 1495 | | | | | |
| 64 | 1460 | | | | | |
| 65 | 1435 | | | | | |
| 66 | 1400 | | | | | |

KANCA ÖZELLİKLERİ

| ÇELİK HALAT ÖZELLİKLERİ | | | | |
|-------------------------------------|--------------|---------------------|--------------|-------|
| HALAT NOMİNAL ÇAPI (mm) | | 14 | | |
| HALAT (Tıp) | | Anti-twisting | | |
| HALAT BİLEŞİMİ (ÇİDAR) | | 18x7 | | |
| HALAT TİPİ | | Çelik | | |
| MİNİMUM KOPMA YÜKÜ (kN) | | 126 | | |
| GERÇEK KOPMA YÜKÜ (kN) | | 161 | | |
| TAMBUR ÖZELLİKLERİ | | | | |
| OLUK BOŞLUĞU (mm) | | 14,5 | | |
| SARMA HALAT ÇAPI (mm) | | 300/550 | | |
| HIZ | | | | |
| Hızlar | 2'li Donanım | | 4'lü Donanım | |
| | kg | m/dk | kg | m/dk |
| 1 | 5000 | 7,28 | 10000 | 3,64 |
| 2 | 5000 | 36,40 | 10000 | 18,20 |
| 3 | 2500 | 57,60 | 5000 | 28,80 |
| 4 | 1500 | 79,20 | 3000 | 39,60 |
| KANCA MOTOR VE REDÜKTÖR ÖZELLİKLERİ | | | | |
| MOTOR TİPİ | | ASENKRON | | |
| MOTOR GÜCÜ | | 37 Kw/50,32Hp | | |
| MOTOR TRANSFER HIZI | | 1467 rpm | | |
| REDÜKTÖR TİPİ | | BPFE120K | | |
| REDÜKTÖR TRANSFER ORANI | | i=40,37 | | |
| KANCA FRENİ (MANYETİK) | | 210VDC/180VDC/400Nm | | |

DÖNÜŞ ÖZELLİKLERİ









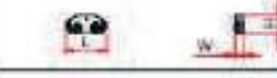






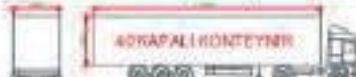
| DÖNÜŞ MOTORU VE REDÜKTÖR ÖZELLİKLERİ | | | | |
|--------------------------------------|----------|---------------|--|--|
| MOTOR TİPİ | | ASENKRON | | |
| MOTOR GÜCÜ | | 2x80 Nm | | |
| MOTOR TRANSFER HIZI | | 1300 rpm | | |
| REDÜKTÖR TİPİ | | TCS3065DC | | |
| REDÜKTÖR TRANSFER ORANI | | i=179,4 | | |
| VİNC DÖNÜŞ HIZI | | | | |
| 1. VİTES | (15VDC) | 4,15 dk/360° | | |
| 2. VİTES | (7,5VDC) | 1,40 dk/360° | | |
| 3. VİTES | (0VDC) | 1,23 dk/360° | | |
| FREN ÖZELLİKLERİ | | | | |
| MANYETİK | | 20VDC / 150Nm | | |
| ROLANTİSÖR | | 0-24 VDC | | |

ŞARYO ÖZELLİKLERİ

| ŞARYO HALATI ÖZELLİKLERİ | | | | |
|--|--------------|---------------|--------------|------|
| HALAT NOMİNAL ÇAPI (mm) | | 8 | | |
| HALAT (TİP) | | Anti-twisting | | |
| HALAT BİLEŞİMİ (ÇİDAR) | | 19X6 | | |
| HALAT TİPİ | | Çelik | | |
| MİNİMUM KOPMA YÜKÜ (kN) | | 34,71 | | |
| GERÇEK KOPMA YÜKÜ (kN) | | 43,55 | | |
| TAMBUR ÖZELLİKLERİ | | | | |
| OLUK BOŞLUĞU (mm) | | 8,5 | | |
| SARMA HALAT ÇAPI (mm) | | 408 | | |
| HIZ | | | | |
| Hızlar | 2'li Donanım | | 4'lü Donanım | |
| | kg | m/dk | kg | m/dk |
| 1 | 10000 | 11 | 5000 | 11 |
| 2 | 10000 | 48 | 5000 | 48 |
| 3 | 5000 | 82 | 2500 | 82 |
| ŞARYO MOTOR VE REDÜKTÖR ÖZELLİKLERİ | | | | |
| MOTOR TİPİ | | ASENKROM | | |
| MOTOR GÜCÜ | | 5,5 Kw/7,5 Hp | | |
| MOTOR TRANSFER HIZI | | 1456 rpm | | |
| REDÜKTÖR TİPİ | | PLANET | | |
| REDÜKTÖR TRANSFER ORANI | | i=40 | | |
| ŞARYO FRENI (MANYETİK) | | 20VDC/180VDC | | |
| YÜRÜYÜŞ MOTORU VE REDÜKTÖR ÖZELLİKLERİ | | | | |
| MOTOR TİPİ | | ASENKROM | | |
| MOTOR GÜCÜ | | 2x3 Kw/5,4 Hp | | |
| MOTOR TRANSFER HIZI | | 1445 rpm | | |
| REDÜKTÖR TİPİ | | KR473.00 | | |
| REDÜKTÖR TRANSFER ORANI | | i=25,15 | | |
| YÜRÜYÜŞ HIZI (10Hz) | | 0,16 m/min | | |
| VİNÇ OTOMASYON PANELİ ÖZELLİKLERİ | | | | |
| 30-37 kW KANCA SÜRÜCÜSÜ | | SCHNEIDER | | |
| 5,5 kW ŞARYO SÜRÜCÜSÜ | | SCHNEIDER | | |
| PLC | | SCHNEIDER | | |
| KONTAKTÖR | | SCHNEIDER | | |
| DÖNÜŞ KARTI | | TGM | | |

EKİPMAN TEKNİK VERİLERİ

| Parça | Açıklama | Çizim | Boyutlar | | | Ağırlık (Kg) | |
|-------|---|-------|--|--|--|--|--|
| | | | L | W | H | Birim | Top. |
| 1 | Bomlar | 0 | 11.80 | 1.370 | 2.300 | 5096 | 5096 |
| 1 | | 1 | 6.190 | 1.150 | 2.330 | 1170 | 1170 |
| 1 | | 2 | 6.160 | 1.150 | 2.250 | 948 | 948 |
| 1 | | 3 | 6.140 | 1.100 | 2.380 | 884 | 884 |
| 1 | | 4 | 6.120 | 1.180 | 2.280 | 754 | 754 |
| 1 | | 5 | 6.125 | 1.160 | 2.225 | 672 | 672 |
| 1 | | 6 | 6.090 | 1.190 | 1.915 | 528 | 528 |
| 1 | | 7 | 6.055 | 1.150 | 1.980 | 488 | 488 |
| 1 | | 8 | 6.035 | 1.150 | 1.890 | 356 | 356 |
| 1 | | 9 | 6.020 | 1.190 | 1.870 | 362 | 362 |
| 1 | | 10 | 6.090 | 1.180 | 1.870 | 336 | 336 |
| Bom | | | 66 m 60 m 54 m 48 m 42 m 36 m | 67.4 61.5 55.6 49.7 43.8 37.9 | 1.370 1.370 1.370 1.370 1.370 1.370 | 2.800 2.800 2.800 2.800 2.800 2.800 | 6504 6166 5804 5446 4982 4434 |
| 1 | Kuyruk Tablası, Kanca Motoru Elektrik Panosu vs. | | 2.190 | 2.000 | 2.000 | 5326 | 5326 |
| 1 | Kuyruk | | 11.040 | 2.070 | 1.500 | 4810 | 4810 |

| Parça | Açıklama | Çizim | Boyutlar | | | Ağırlık (Kg) | | |
|---|------------------------|--|----------|-------|-------|--------------|--------|-------|
| | | | L | W | H | Birim | Top. | |
| 1 | Misol |  | 11,80 | 1,067 | 1,067 | 5852 | 5852 | |
| | |  | 11,80 | 1,067 | 1,067 | 5322 | 5322 | |
| | |  | 11,80 | 1,067 | 1,067 | 4162 | 4162 | |
| | |  | 2,96 | 1,067 | 1,067 | 1365 | 1365 | |
| | |  | 1,50 | 1,067 | 1,067 | 920 | 920 | |
| | |  | 1,50 | 1,063 | 1,063 | 890 | 890 | |
| 1 | Sesle Uzun Kol |  | 4,5x4,5m | 6,530 | 0,710 | 0,760 | 2795 | 2795 |
| | | | 6,0x5,0m | 8,645 | 0,760 | 0,960 | 3475 | 3475 |
| 2 | Sesle Kısa Kol |  | 4,5x4,5m | 3,200 | 0,590 | 0,770 | 1267,5 | 2736 |
| | | | 6,0x5,0m | 4,323 | 0,680 | 0,974 | 1745 | 3490 |
| 2 | Yatıyus Takımı Motorlu |  | 1,140 | 0,273 | 0,543 | 505 | 1010 | |
| 2 | Yatıyus Takımı Motorlu |  | 1,204 | 0,605 | 0,543 | 605 | 1210 | |
| 22 | Sesle Tepe (2500) |  | 4,300 | 0,50 | 1,200 | 5889 | 129588 | |
| 4 | Dönelik Buğu |  | 3,40 | 0,60 | 0,60 | 3625 | 14500 | |
| 3 5 | Kıyık Tepe |  | A 125 | 5,000 | 0,185 | 1,200 | 1250 | 3750 |
| | | | B 250 | 3,000 | 0,370 | 1,200 | 2500 | 12500 |
| 1 | Kabin |  | 2,749 | 2,10 | 2,289 | 850 | 850 | |
|  Sesle Ve Tepe Te Sayısı : 13 Arkağı Te Sayısı : 9 | |  Sesle Ve Tepe Te Sayısı : 10 Arkağı Konteyner Sayısı : 10 | | | | | | |

BOM AĞIRLIK VE KALDIRMA MERKEZLERİ



6504Kg 66m



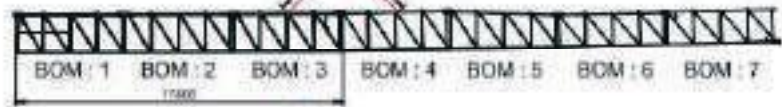
6166Kg 60m



5804Kg 54m



5448Kg 48m



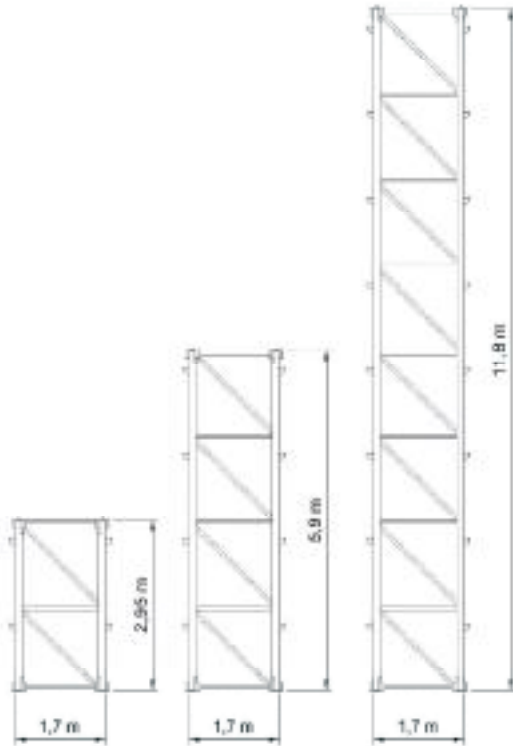
4962Kg 42m



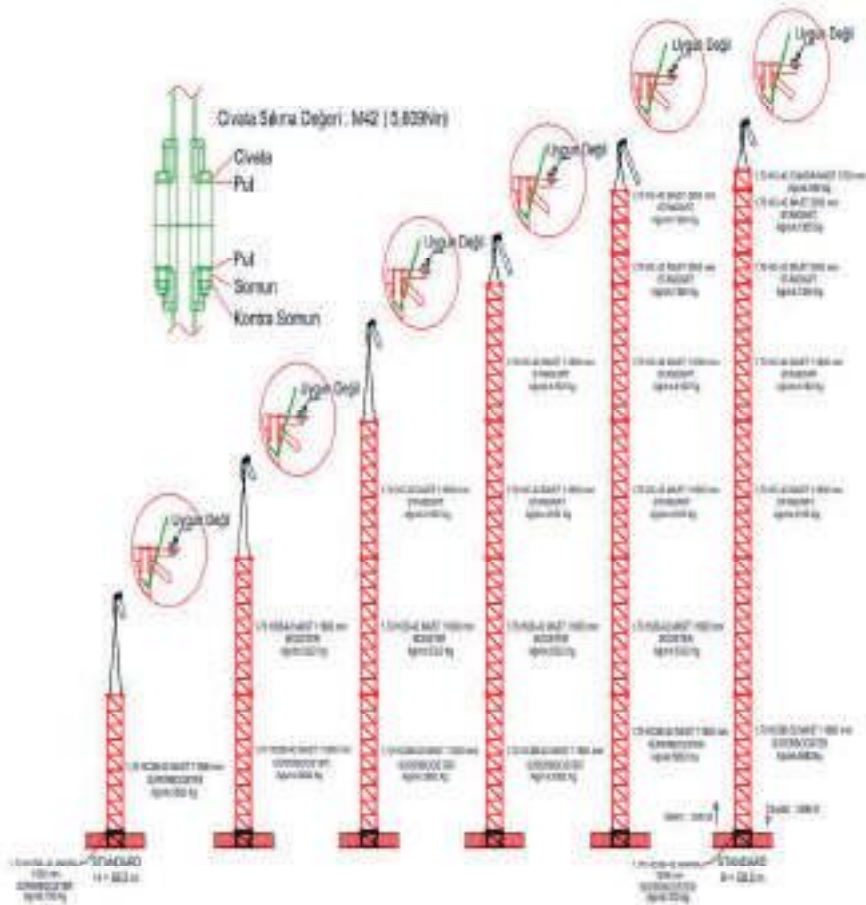
4434Kg 36m



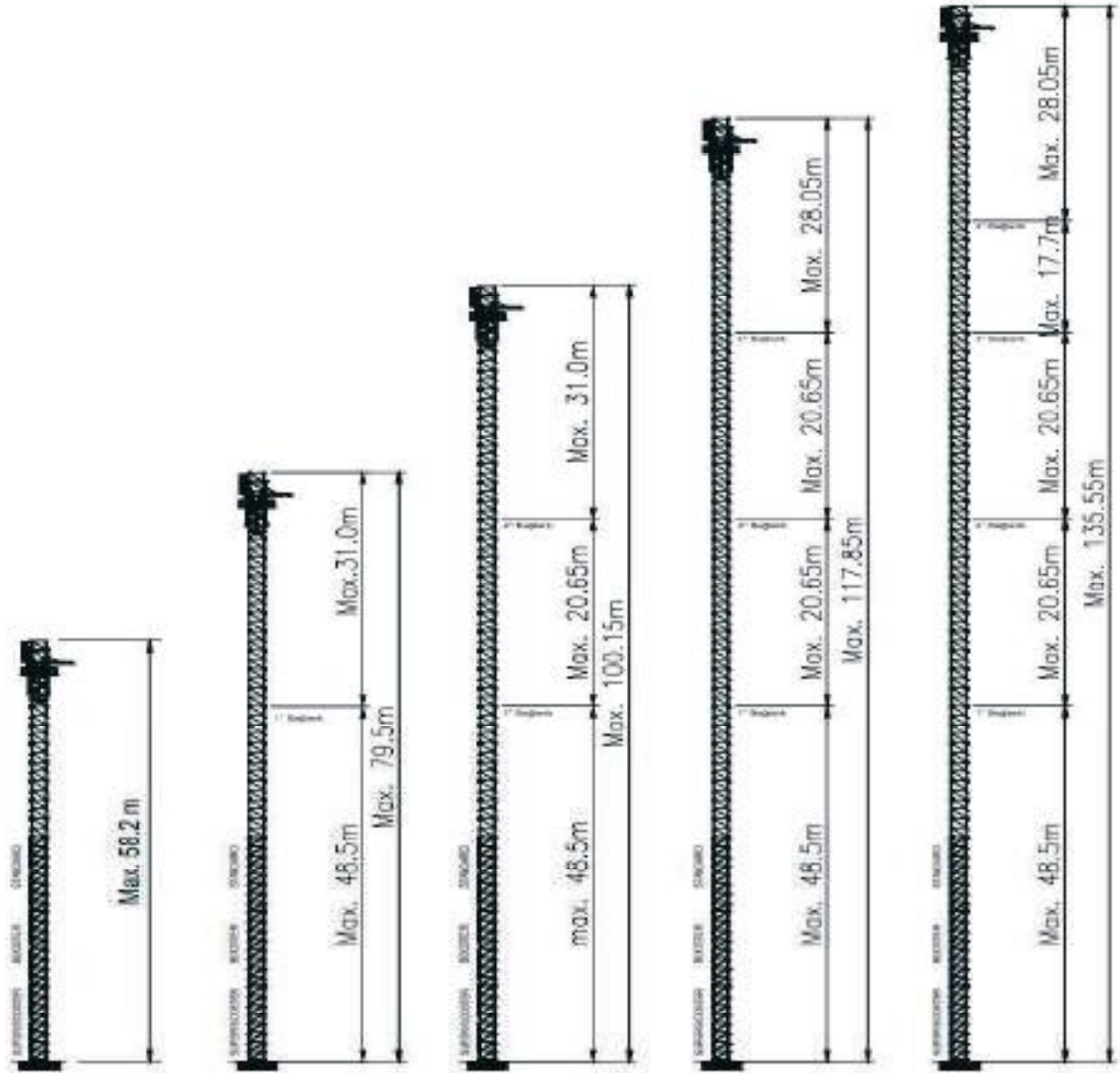
KULE ELEMANLARI TİP 1,70HC-42



KULE ELEMANLARI TİP 1,70HC-42



STANDART KURULUM YÜKSEKLİKLERİ VE BAĞLANTI KOLU NOKTALARI



BESLEME KABLOSU ÖZELLİKLERİ

| Kaldırma Gücü | Üç Kutup Artı Topraklama Kablosu İçin Tek Kablo Kesiti (mm ²) | | | | | |
|--|---|-------------|-------------|-------------|-------------|--------------|
| | 0-30m | 30-50m | 50-100m | 100-200m | 200-300m | 300-400m |
| 71,5 kW. | 3x25+16 TTR | 3x35+16 TTR | 3x50+25 TTR | 3x70+35 TTR | 3x95+50 TTR | 3x120+70 TTR |
| Besleme Gerilimi 380-400 VAC \pm %5 | | | | | | |
| Haber Vermeden Değişime Hakkımız Saklıdır. | | | | | | |
| Trafo / Besleme İstasyonundan Vinç Elektrik Panosuna Kadar Ölçülen Kablo Uzunluğu. | | | | | | |

GÜÇ KAYNAĞI

Besleme Gerilimi : 380V - 50Hz

Kaldırma Tipi 40-VFB İle Versiyon :

Toplam Güç (Yürüyüş Sistemi Olmadan) : 65,5 kW

Toplam Güç (Yürüyüş Sistemi İle) : 71,5 kW

Termal Koruma : 160A

Diferansiyel Koruma : id=30ma

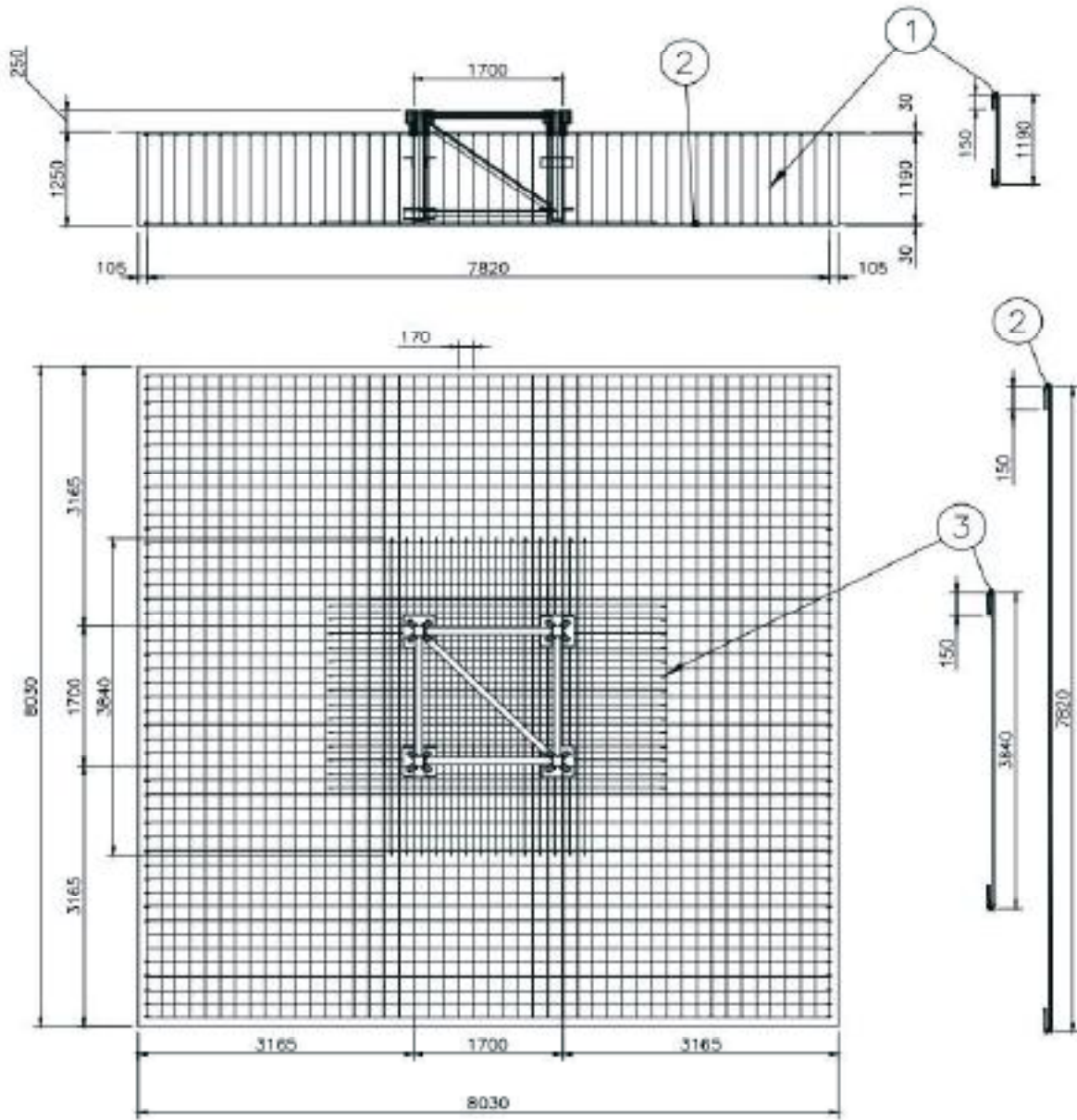
Jeneratör (Gerekli Olduğu Durumlarda) : 235 KWA

ANKRAJ TEMEL PLANI TİP 1,70HCSB-42

| HACİM | ÖZGÜL AĞIRLIK | TEORİK AĞIRLIK | BOYUTLAR |
|---------------------|----------------------|----------------|----------|
| 87,1 m ³ | 2,3 T/m ³ | 200,2 T | mm |

H.U.H. 63,4m – Maksimum Basınç 1,75 kg/cm²
Minimum Beton Kalitesi: R325 (RBK 300)
Çelik Kalitesi: B450C

Priz 1: 184 Adet Çelik Ø18 L=1490 mm
Priz 2: 184 Adet Çelik Ø18 L=8120 mm
Priz 3: 32 Adet Çelik Ø18 L=4140 mm



TGM KULE VİNÇ



TGM®



TGM KULE VİNÇ SAN. VE DİŐ TİC.LTD.ŐTİ.

ADRES BİLGİLERİ

Gümüşova OSB, Merkez Mah. Zafer Cad. No:12/2/1 Gümüşova / DÜZCE - TÜRKİYE

+90 (850) 302 0 846

www.tgmkulevinc.com.tr - info@tgmkulevinc.com.tr

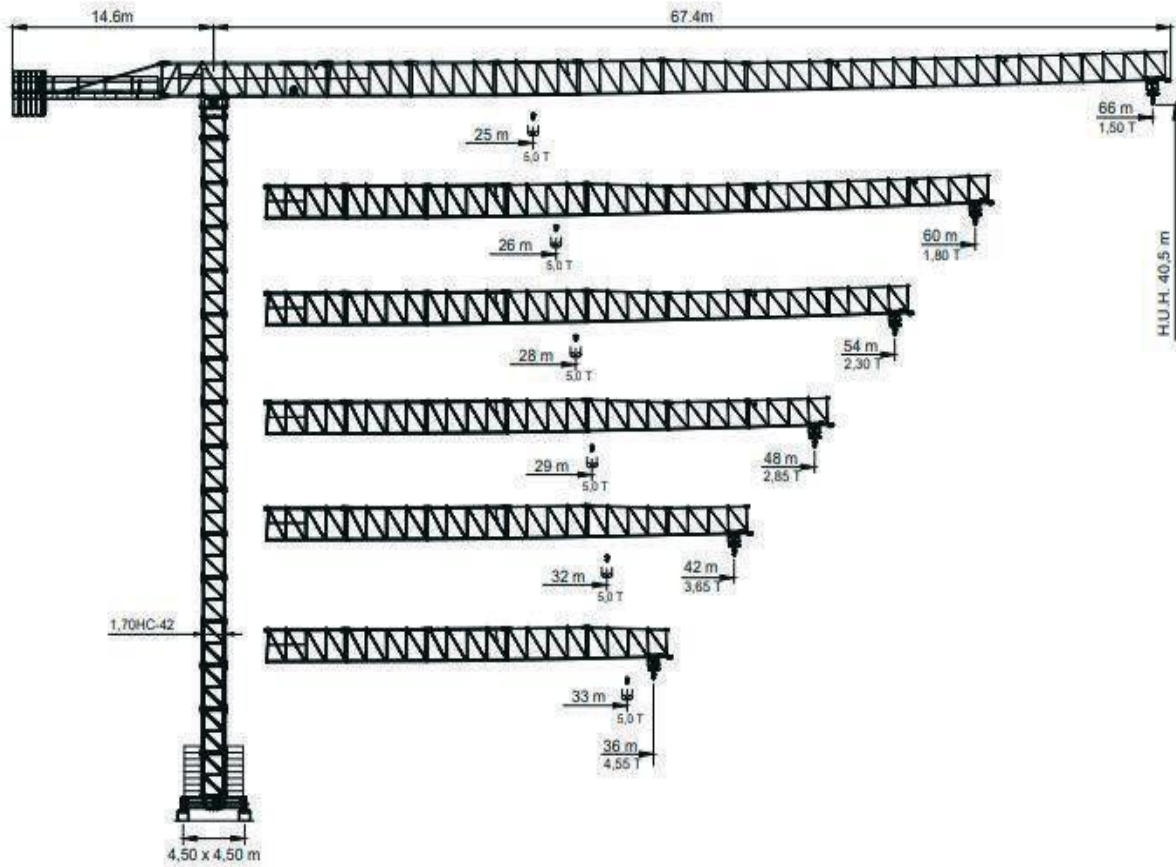
TGM

TOWER CRANE

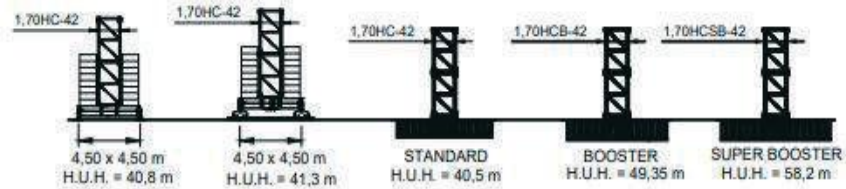


GRT 6615 / 10T

STANDARD TECHNICAL FEATURES 5000 KG. II FALLS VERSION

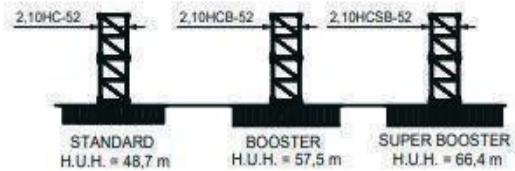


B 1

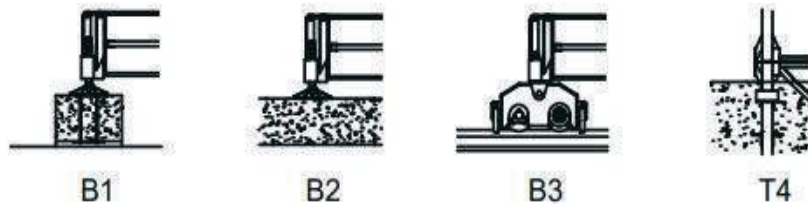


B 2

B 3

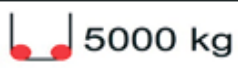


T 4

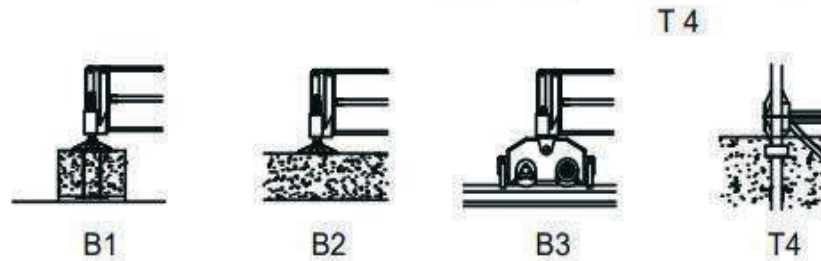
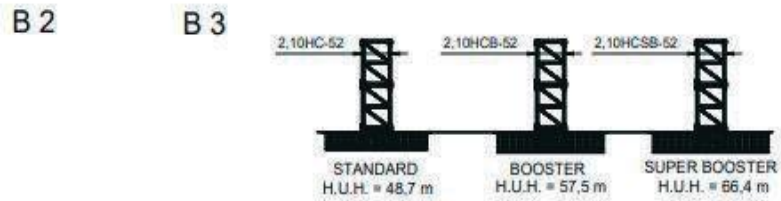
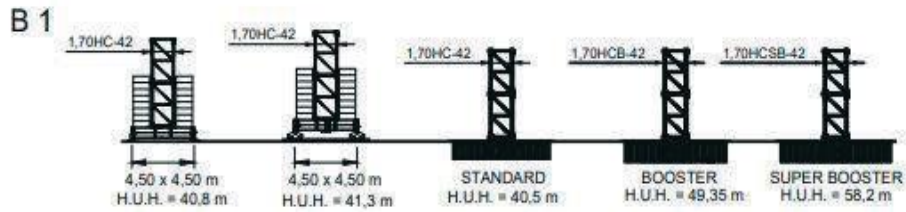
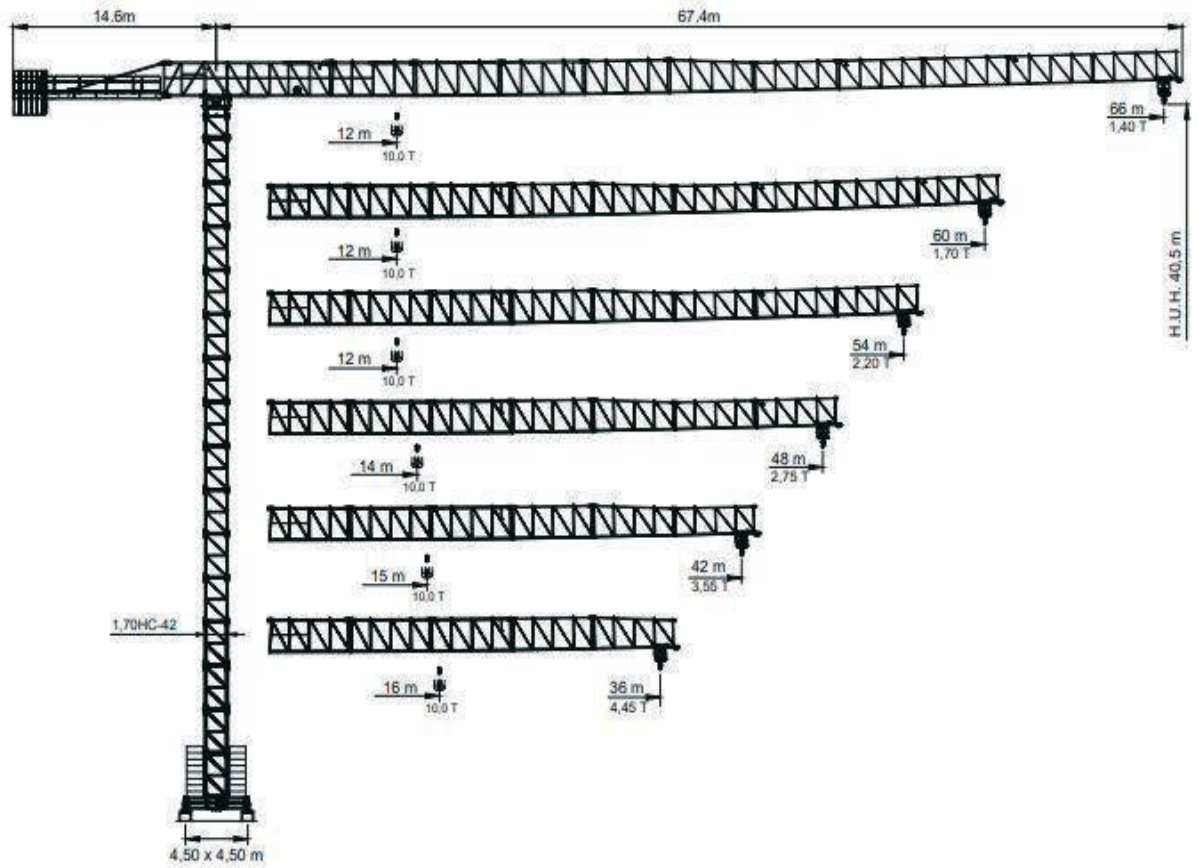




LOAD DIAGRAMS MAX. LOAD 5000 KG. II FALLS


| JIB (m) | 66 | 60 | 54 | 48 | 42 | 36 |
|---------------|--|------|------|------|------|------|
| Max. Load (m) | 25 | 26 | 28 | 30 | 32 | 33 |
| Radius (m) |  | | | | | |
| 12 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 13 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 14 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 15 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 16 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 17 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 18 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 19 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 20 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 21 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 22 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 23 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 24 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 25 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 26 | 4900 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 27 | 4730 | 4835 | 5000 | 5000 | 5000 | 5000 |
| 28 | 4500 | 4670 | 5000 | 5000 | 5000 | 5000 |
| 29 | 4380 | 4460 | 4885 | 5000 | 5000 | 5000 |
| 30 | 4100 | 4310 | 4720 | 5000 | 5000 | 5000 |
| 31 | 3990 | 4100 | 4490 | 4870 | 5000 | 5000 |
| 32 | 3840 | 3990 | 4370 | 4640 | 5000 | 5000 |
| 33 | 3725 | 3810 | 4190 | 4500 | 4860 | 5000 |
| 34 | 3570 | 3710 | 4070 | 4320 | 4680 | 4860 |
| 35 | 3465 | 3575 | 3905 | 4210 | 4495 | 4710 |
| 36 | 3330 | 3460 | 3800 | 4040 | 4380 | 4550 |
| 37 | 3215 | 3320 | 3650 | 3900 | 4240 | |
| 38 | 3110 | 3240 | 3560 | 3790 | 4110 | |
| 39 | 3025 | 3125 | 3415 | 3675 | 3920 | |
| 40 | 2920 | 3040 | 3350 | 3560 | 3860 | |
| 41 | 2845 | 2940 | 3230 | 3460 | 3745 | |
| 42 | 2750 | 2870 | 3150 | 3350 | 3650 | |
| 43 | 2680 | 2765 | 3045 | 3250 | | |
| 44 | 2590 | 2700 | 2980 | 3170 | | |
| 45 | 2520 | 2615 | 2895 | 3090 | | |
| 46 | 2450 | 2550 | 2820 | 3000 | | |
| 47 | 2370 | 2475 | 2735 | 2910 | | |
| 48 | 2310 | 2420 | 2670 | 2850 | | |
| 49 | 2240 | 2345 | 2600 | | | |
| 50 | 2190 | 2290 | 2540 | | | |
| 51 | 2125 | 2225 | 2480 | | | |
| 52 | 2080 | 2180 | 2410 | | | |
| 53 | 2015 | 2115 | 2350 | | | |
| 54 | 1980 | 2070 | 2300 | | | |
| 55 | 1925 | 2010 | | | | |
| 56 | 1880 | 1970 | | | | |
| 57 | 1835 | 1925 | | | | |
| 58 | 1800 | 1880 | | | | |
| 59 | 1745 | 1830 | | | | |
| 60 | 1710 | 1800 | | | | |
| 61 | 1665 | | | | | |
| 62 | 1640 | | | | | |
| 63 | 1595 | | | | | |
| 64 | 1560 | | | | | |
| 65 | 1535 | | | | | |
| 66 | 1500 | | | | | |

STANDARD TECHNICAL FEATURES 10000 KG. IV FALLS VERSION





LOAD DIAGRAMS MAX. LOAD 10000 KG. IV FALLS

| JIB (m) | 66 | 60 | 54 | 48 | 42 | 36 |
|---------------|---|-------|-------|-------|-------|-------|
| Max. Load (m) | 12 | 12 | 12 | 14 | 15 | 16 |
| Radius (m) |  10000 kg | | | | | |
| 12 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 13 | 9390 | 9510 | 9790 | 10000 | 10000 | 10000 |
| 14 | 8700 | 9200 | 9610 | 10000 | 10000 | 10000 |
| 15 | 8360 | 8560 | 8705 | 8900 | 10000 | 10000 |
| 16 | 8000 | 8120 | 8200 | 8500 | 9505 | 10000 |
| 17 | 7480 | 7660 | 7800 | 8320 | 9050 | 9800 |
| 18 | 7070 | 7210 | 7640 | 7960 | 8540 | 9510 |
| 19 | 6755 | 6950 | 7510 | 7705 | 8300 | 9200 |
| 20 | 6540 | 6790 | 7410 | 7560 | 8000 | 8200 |
| 21 | 6205 | 6390 | 6980 | 7240 | 7820 | 8000 |
| 22 | 5850 | 6080 | 6640 | 7030 | 7600 | 7870 |
| 23 | 5575 | 5700 | 6280 | 6605 | 7280 | 7560 |
| 24 | 5280 | 5490 | 6010 | 6360 | 6880 | 7130 |
| 25 | 5040 | 5200 | 5700 | 6000 | 6595 | 6955 |
| 26 | 4800 | 5000 | 5470 | 5800 | 6270 | 6510 |
| 27 | 4630 | 4735 | 5200 | 5495 | 6025 | 6215 |
| 28 | 4400 | 4570 | 5010 | 5320 | 5760 | 5970 |
| 29 | 4280 | 4360 | 4785 | 5020 | 5545 | 5730 |
| 30 | 4000 | 4210 | 4620 | 4900 | 5310 | 5510 |
| 31 | 3890 | 4000 | 4390 | 4770 | 5150 | 5265 |
| 32 | 3740 | 3890 | 4270 | 4540 | 4920 | 5110 |
| 33 | 3625 | 3710 | 4090 | 4400 | 4760 | 4900 |
| 34 | 3470 | 3610 | 3970 | 4220 | 4580 | 4760 |
| 35 | 3365 | 3475 | 3805 | 4110 | 4395 | 4610 |
| 36 | 3230 | 3360 | 3700 | 3940 | 4280 | 4450 |
| 37 | 3115 | 3220 | 3550 | 3800 | 4140 | |
| 38 | 3010 | 3140 | 3460 | 3690 | 4010 | |
| 39 | 2925 | 3025 | 3315 | 3575 | 3820 | |
| 40 | 2820 | 2940 | 3250 | 3460 | 3760 | |
| 41 | 2745 | 2840 | 3130 | 3360 | 3645 | |
| 42 | 2650 | 2770 | 3050 | 3250 | 3550 | |
| 43 | 2580 | 2665 | 2945 | 3150 | | |
| 44 | 2490 | 2600 | 2880 | 3070 | | |
| 45 | 2420 | 2515 | 2795 | 2990 | | |
| 46 | 2350 | 2450 | 2720 | 2900 | | |
| 47 | 2270 | 2375 | 2635 | 2810 | | |
| 48 | 2210 | 2320 | 2570 | 2750 | | |
| 49 | 2140 | 2245 | 2500 | | | |
| 50 | 2090 | 2190 | 2440 | | | |
| 51 | 2025 | 2125 | 2380 | | | |
| 52 | 1980 | 2080 | 2310 | | | |
| 53 | 1915 | 2015 | 2250 | | | |
| 54 | 1880 | 1970 | 2200 | | | |
| 55 | 1825 | 1910 | | | | |
| 56 | 1780 | 1870 | | | | |
| 57 | 1735 | 1825 | | | | |
| 58 | 1700 | 1780 | | | | |
| 59 | 1645 | 1730 | | | | |
| 60 | 1610 | 1700 | | | | |
| 61 | 1565 | | | | | |
| 62 | 1540 | | | | | |
| 63 | 1495 | | | | | |
| 64 | 1460 | | | | | |
| 65 | 1435 | | | | | |
| 66 | 1400 | | | | | |

HOOK FEATURES

| STEEL ROPES FEATURES | | | | |
|---------------------------------|-----------|--------------------|------------|----------|
| ROPE NOMINAL DIAMETER (mm) | | 14 | | |
| ROPE (Type) | | Anti-twisting | | |
| ROPE COMPOSITION (Threads) | | 18x7 | | |
| MATERIAL | | Steel | | |
| MIN. RUPTURE LOAD (kN) | | 126 | | |
| ACTUAL RUPTURE LOAD (kN) | | 161 | | |
| DRUM FEATURES | | | | |
| GROOVE PITCH (mm) | | 14,5 | | |
| WINDING ROPE DIAMETER (mm) | | 300/550 | | |
| SPEED | | | | |
| Steps | Two Falls | | Four Falls | |
| | Kg. | m/Min. | Kg. | m / Min. |
| 1 | 5000 | 7,28 | 10000 | 3,64 |
| 2 | 5000 | 36,40 | 10000 | 18,20 |
| 3 | 2500 | 57,60 | 5000 | 28,80 |
| 4 | 1500 | 79,20 | 3000 | 39,60 |
| HOOK MOTOR AND REDUCER FEATURES | | | | |
| MOTOR TYPE | | ASENKRON | | |
| MOTOR POWER | | 37 Kw/50,32Hp | | |
| MOTOR TRANSFER SPEED | | 1467 rpm | | |
| REDUCER TYPE | | BPH320K | | |
| REDUCER TRANSFER RATE | | i=40,37 | | |
| HOOK BRAKE (Magnetic) | | 20VDC/180VDC/400Nm | | |

RETURN FEATURES






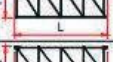





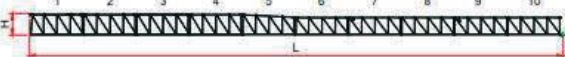

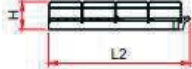
| RETURN MOTOR & REDUCER FEATURES | | | | |
|---------------------------------|----------|-----------------|--|--|
| MOTOR TYPE | | ASENKRON | | |
| MOTOR POWER | | 2x80 Nm | | |
| MOTOR TRANSFER SPEED | | 1300 rpm | | |
| REDUCER TYPE | | TCS3065DC | | |
| REDUCER TRANSFER RATE | | i=179,4 | | |
| CRANE RETURN SPEED | | | | |
| 1. GEAR | (15VDC) | 4,15 Min. /360° | | |
| 2. GEAR | (7,5VDC) | 1,40 Min. /360° | | |
| 3. GEAR | (0VDC) | 1,23 Min. /360° | | |
| BRAKE FEATURES | | | | |
| MAGNETIC | | 20VDC / 150Nm | | |
| ROLANTISOR | | 0-24 VDC | | |



TROLLEY FEATURES

| TROLLEY ROPE FEATURES | | | | |
|--------------------------------------|-----------|---------------|------------|--------|
| ROPE NOMINAL DIAMETER (mm) | | 8 | | |
| ROPE (Type) | | Anti-twisting | | |
| ROPE COMPOSITION (Threads) | | 19X6 | | |
| MATERIAL | | Steel | | |
| MIN. RUPTURE LOAD (kN) | | 34,71 | | |
| ACTUAL RUPTURE LOAD (kN) | | 43,55 | | |
| DRUM FEATURES | | | | |
| GROOVE PITCH (mm) | | 8,5 | | |
| WINDING ROPE DIAMETER (mm) | | 408 | | |
| SPEED | | | | |
| Steps | Two Falls | | Four Falls | |
| | Kg. | m/Min. | Kg. | m/Min. |
| 1 | 10000 | 11 | 5000 | 11 |
| 2 | 10000 | 48 | 5000 | 48 |
| 3 | 5000 | 82 | 2500 | 82 |
| TROLLEY MOTOR AND REDUCER FEATURES | | | | |
| MOTOR TYPE | | ASENKRON | | |
| MOTOR POWER | | 5,5 Kw/7,5 Hp | | |
| MOTOR TRANSFER SPEED | | 1456 rpm | | |
| REDUCER TYPE | | PLANET | | |
| REDUCER TRANSFER RATE | | i=40 | | |
| TROLLEY BRAKE (MAGNETIC) | | 20VDC/180VDC | | |
| TRAVELING MOTOR AND REDUCER FEATURES | | | | |
| MOTOR TYPE | | ASENKRON | | |
| MOTOR POWER | | 2x3 Kw/5,4 Hp | | |
| MOTOR TRANSFER SPEED | | 1445 rpm | | |
| REDUCER TYPE | | KR473.00 | | |
| REDUCER TRANSFER RATE | | i=25,15 | | |
| TRAVELLING SPEED (10Hz) | | 0,16 m/Min. | | |
| CRANE AUTOMATION PANEL FEATURES | | | | |
| 18,5-22 kW HOOK DRIVER | | SCHNEIDER | | |
| 5,5 kW TROLLEY DRIVER | | SCHNEIDER | | |
| PLC | | SCHNEIDER | | |
| CONTACTOR | | SCHNEIDER | | |
| RETURN CARD | | TGM | | |

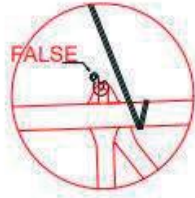
EQUIPMENT TECHNICAL DATA

| Pieces | Description | Sketch | Dimensions | | | Weight (Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|--|---|-------|-------|-------------|-------|------|------|------|------|-------|-------|------|------|------|------|-------|-------|------|------|------|------|-------|-------|------|------|------|------|-------|-------|------|------|------|------|-------|-------|------|------|--|--|--|
| | | | L | W | H | Unit | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jib element | 0  | 11.80 | 1.370 | 2.600 | 5096 | 5096 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 1  | 6.190 | 1.150 | 2.330 | 1176 | 1176 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 2  | 6.185 | 1.150 | 2.290 | 948 | 948 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 3  | 6.145 | 1.150 | 2.300 | 884 | 884 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 4  | 6.120 | 1.150 | 2.250 | 754 | 754 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 5  | 6.125 | 1.150 | 2.225 | 672 | 672 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 6  | 6.090 | 1.150 | 1.915 | 528 | 528 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 7  | 6.055 | 1.150 | 1.890 | 486 | 486 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 8  | 6.035 | 1.150 | 1.890 | 356 | 356 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 9  | 6.020 | 1.150 | 1.870 | 362 | 362 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 10  | 6.000 | 1.150 | 1.870 | 338 | 338 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jib | |  | <table border="1"> <tr> <td>66 m</td> <td>67.4</td> <td>1.370</td> <td>2.600</td> <td>6504</td> <td>6504</td> </tr> <tr> <td>60 m</td> <td>61.5</td> <td>1.370</td> <td>2.600</td> <td>6166</td> <td>6166</td> </tr> <tr> <td>54 m</td> <td>55.6</td> <td>1.370</td> <td>2.600</td> <td>5804</td> <td>5804</td> </tr> <tr> <td>48 m</td> <td>49.7</td> <td>1.370</td> <td>2.600</td> <td>5448</td> <td>5448</td> </tr> <tr> <td>42 m</td> <td>43.8</td> <td>1.370</td> <td>2.600</td> <td>4962</td> <td>4962</td> </tr> <tr> <td>36 m</td> <td>37.9</td> <td>1.370</td> <td>2.600</td> <td>4434</td> <td>4434</td> </tr> </table> | 66 m | 67.4 | 1.370 | 2.600 | 6504 | 6504 | 60 m | 61.5 | 1.370 | 2.600 | 6166 | 6166 | 54 m | 55.6 | 1.370 | 2.600 | 5804 | 5804 | 48 m | 49.7 | 1.370 | 2.600 | 5448 | 5448 | 42 m | 43.8 | 1.370 | 2.600 | 4962 | 4962 | 36 m | 37.9 | 1.370 | 2.600 | 4434 | 4434 | | | |
| 66 m | 67.4 | 1.370 | 2.600 | 6504 | 6504 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 m | 61.5 | 1.370 | 2.600 | 6166 | 6166 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 m | 55.6 | 1.370 | 2.600 | 5804 | 5804 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 m | 49.7 | 1.370 | 2.600 | 5448 | 5448 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 m | 43.8 | 1.370 | 2.600 | 4962 | 4962 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 m | 37.9 | 1.370 | 2.600 | 4434 | 4434 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Counterjib-turntable, hoisting winch, trolley jib, electrical box, a frame. |  | 2.180 | 2.000 | 2.060 | 5326 | 5326 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | External counterjib. |  | 11.040 | 2.070 | 1.500 | 4810 | 4810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

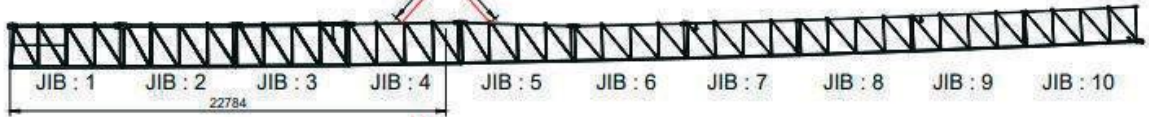


| Pieces | Description | Sketch | Dimensions | | | Weight (Kg) | | |
|---|----------------------------|--------|--|-------|-------|-------------|--------|-------|
| | | | L | W | H | Unit | Total | |
| 1 | Tower element | | 11.80 | 1.867 | 1.867 | 5882 | 5882 | |
| | | | 11.80 | 1.867 | 1.867 | 5322 | 5322 | |
| | | | 11.80 | 1.867 | 1.867 | 4182 | 4182 | |
| | | | 2.95 | 1.867 | 1.867 | 1365 | 1365 | |
| | | | 1.50 | 1.867 | 1.867 | 920 | 920 | |
| | | | 1.50 | 1.963 | 1.963 | 890 | 890 | |
| 1 | BASE MAIN BEAM | | 4,5x4,5m | 6,530 | 0,710 | 0,760 | 2795 | 2795 |
| | | | 6,0x6,0m | 8,645 | 0,780 | 0,960 | 3475 | 3475 |
| 2 | HALF BASE BEAM | | 4,5x4,5m | 3,200 | 0,590 | 0,770 | 1367,5 | 2735 |
| | | | 6,0x6,0m | 4,323 | 0,680 | 0,974 | 1745 | 3490 |
| 2 | TRAVELING BOIGE | | 1,140 | 0,273 | 0,543 | 505 | 1010 | |
| 2 | TRAVELING BOIGE WITH MOTOR | | 1,204 | 0,605 | 0,543 | 605 | 1210 | |
| 22 | Base ballast block (Z590) | | 4,300 | 0,50 | 1,200 | 5889 | 129558 | |
| 4 | Concrete pad | | 3,60 | 0,80 | 0,60 | 3925 | 15700 | |
| 3 5 | Counterweight block | | A 125 | 3,000 | 0,185 | 1,200 | 1250 | 3750 |
| | | | B 250 | 3,000 | 0,370 | 1,200 | 2500 | 12500 |
| 1 | Cabin with access platform | | 2,749 | 2,10 | 2,289 | 850 | 850 | |
| <p>STANDART TRUCK</p> <p>Base and Block Truck Pieces : 13 Anchor Truck Pieces : 9</p> | | | <p>40'CLOSE CONTAINER</p> <p>Base Container Pieces : 10 Anchor Container Pieces : 10</p> | | | | | |

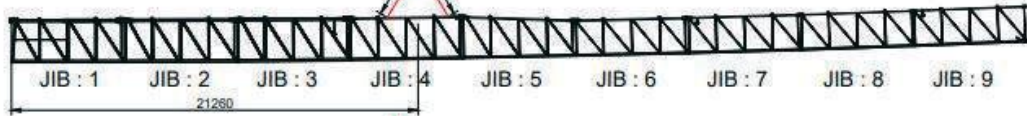
CENTERS OF JIB WEIGHT AND LIFTING



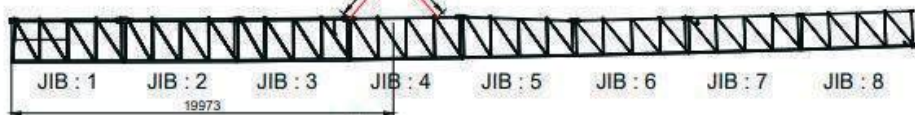
6504Kg 66m



6166Kg 60m



5804Kg 54m



5448Kg 48m



4962Kg 42m

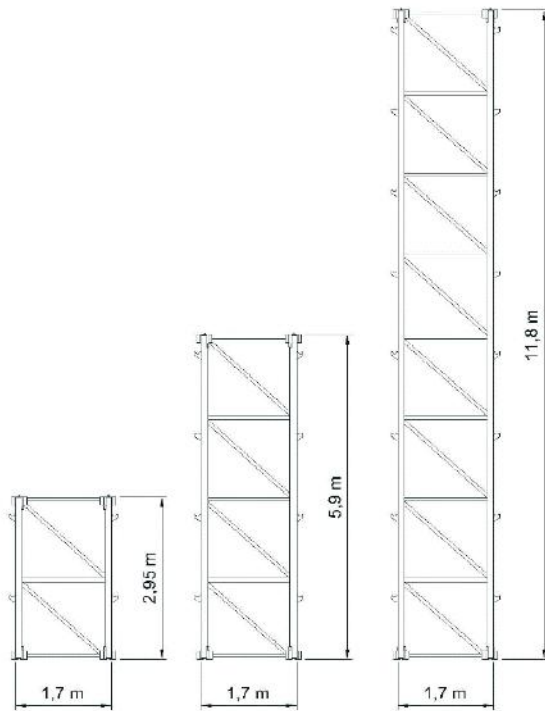


4434Kg 36m

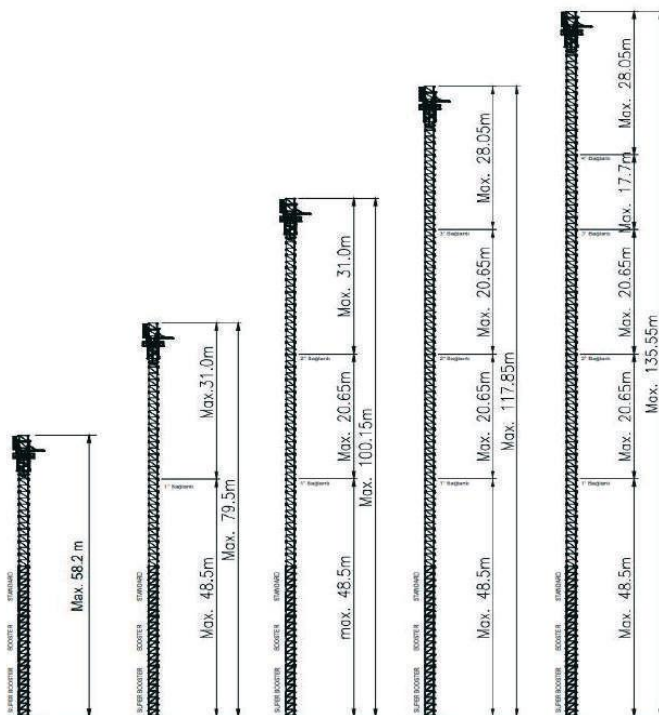




TOWER ELEMENTS TYPE 1,70HC-42



STANDARD INSTALLATION HEIGHTS





SUPPLY CABLES

| | | | | | | |
|--|--|---------------|----------------|-----------------|-----------------|-----------------|
| Hoisting power | Three poles plus cable ground for single wire cross-section (mm ²) | | | | | |
| | 0-30m | 30-50m | 50-100m | 100-200m | 200-300m | 300-400m |
| 65,5 kW. | 3x25+16 TTR | 3X35+16 TTR | 3X50+25 TTR | 3X70+35 TTR | 3X95+50 TTR | 3X120+70 TTR |
| Feeding voltage 380-400 VAC ± 5% | | | | | | |
| We reserve the right to change without notice. | | | | | | |
| Cable length measured from transformer / feeding station to crane electrical switchboard | | | | | | |

POWER SUPPLY

FEEDING VOLTAGE: : 380V - 50Hz.

VERSION WITH HOISTING TYPE 40-VF8 :

Total Power (without traveling system) : 65,5 kW

Total Power (with traveling system) : 71,5 kW

Thermal Protection : 160A

Differential Protection : Grade A, id=30ma

Generator (if necessary) : up to 235 KWA

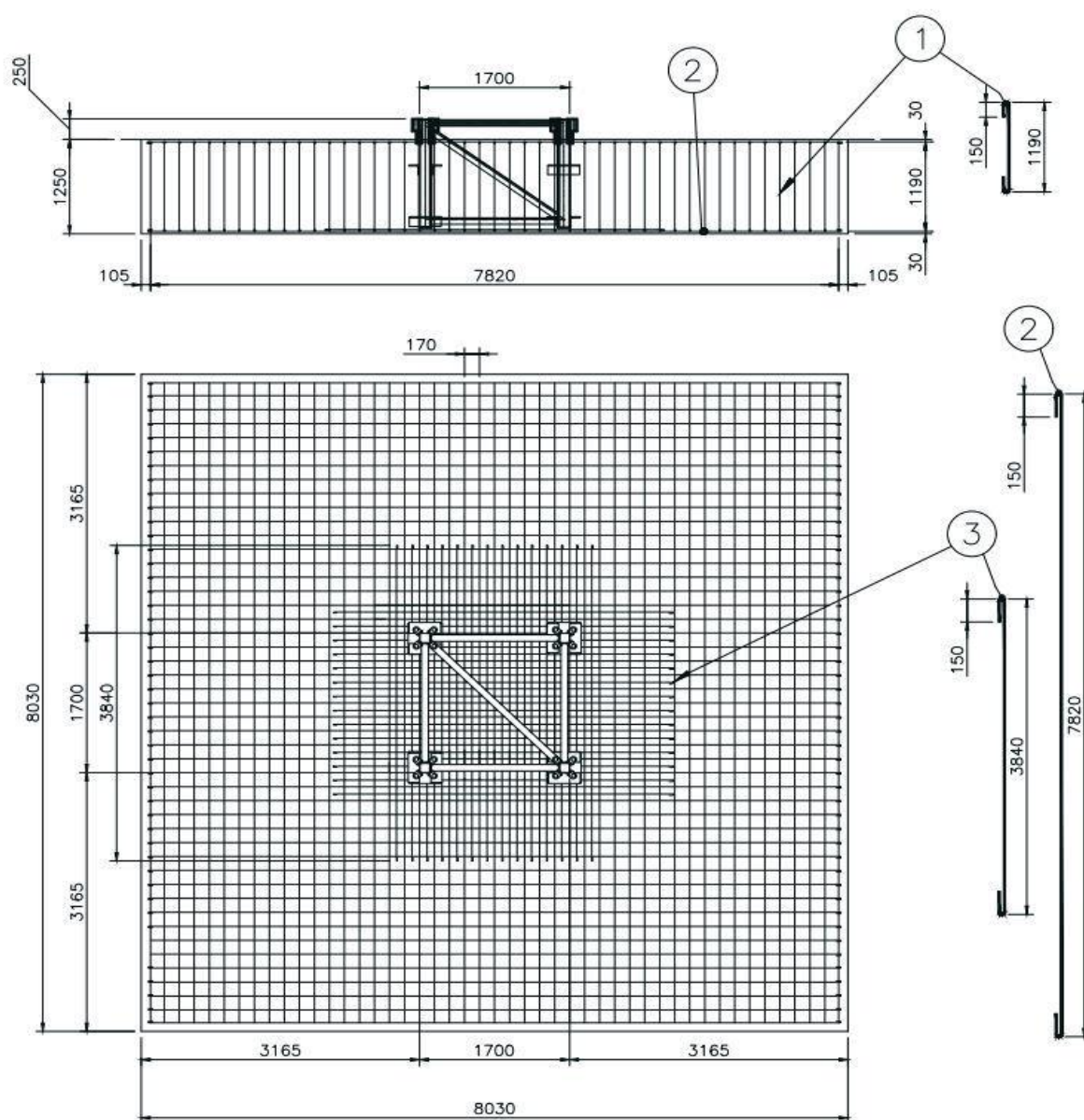


ANCHOR BASE PLATFORM TYPE 1,70HC-42

| VOLUME | SPECIFIC WEIGHT | THEORETICAL WEIGHT | DIMENSIONS IN |
|---------------------|----------------------|--------------------|---------------|
| 87,1 m ³ | 2,3 T/m ³ | 200,2 T | mm |

H.U.H. 58,2m - Max Pressure 1,75 kg/cm²
 Minimum Quality Concrete: R325 (RBK 300)
 Steel Quality B450C

Poz.1: N°184 Pieces Rods Ø18 L=1590 mm
 Poz.2: N°184 Pieces Rods Ø18 L=8156 mm
 Poz.3: N°32 Pieces Rods Ø18 L=4140 mm



TGM TOWER CRANE



TGM KULE VİNÇ SAN. VE DİŐ TİC.LTD.ŐTİ.

ADDRESS

Gümüşova OSB, Merkez Mah. Zafer Cad. No:12/2/1 Gümüşova / DÜZCE - TÜRKİYE

+90 (850) 302 0 846

www.tgmkulevinc.com.tr - info@tgmkulevinc.com.tr