

CARBOS®

TUBULAR MOTORS

TÜP MOTOR
TUBULAR MOTOR

2022

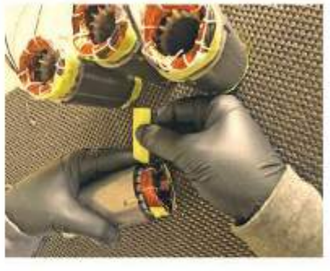
CARBOS®

TUBULAR MOTORS







Yerli Sermaye 100% Türk Malı

Hakkımızda

1989 yılında 16000 m2 kapalı alanda kurulan ve otomotiv yan sanayinde üretim yaparak sektördeki yerini alan firmamız, zamanla bünyesine toz metalurji tesisi, metal enjeksiyon tesisi ve CNC kalıphanesi de ekleyerek, uzun bir süredir alanında uzman kalifiye personel kadrosu ile ağırlıklı olarak otomotiv, beyaz eşya ve makine sektörüne hizmet etmekle beraber 1. ve 2. seviye yan sanayi olarak da ana sanayilere hizmet vermektedir.

Firmamız yıllardır farklı sektörlerde proseslerde edindiği tecrübeleri birleştirerek Kapı ve Pencere sektöründe yerli üreticisi bulunmayan tüp motor imalatına büyük bir yatırım yaparak ülkemize yerli üretim adına katkıda bulunmuştur. 150 kişilik personel kadrosuyla günlük 2000 adet motor üretim kapasitesi mevcuttur.

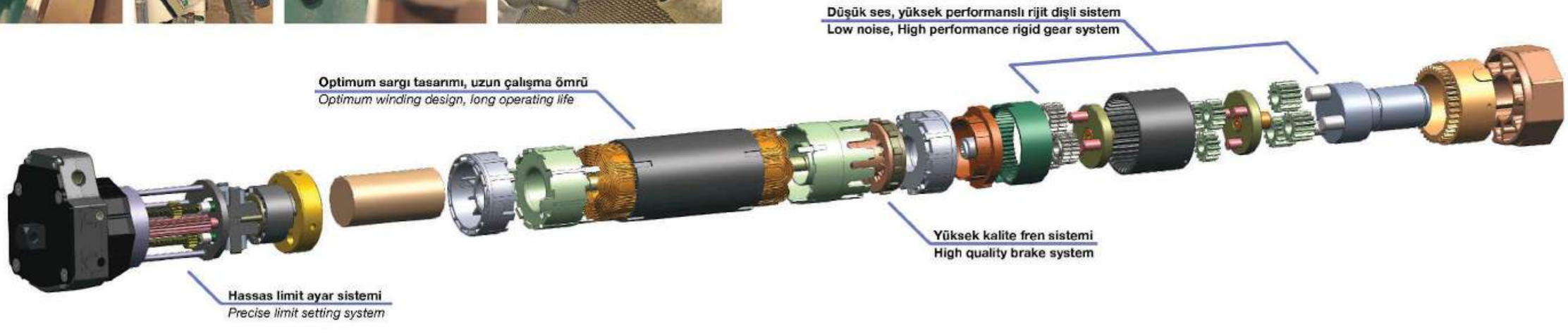
About Us

Our company, having closed area of 16000 square-meters, was established on 1989 and since then mainly focused on producing parts for automative industry. In time, powder metal plant, pressure die casting plant, machining plant and high technology tool shop started producing with qualified personnel. With new plants activity, we started providing products for automotive, white goods and machine manufacturers as first and second tier supplier.

Our long term experiences and know how on processes for variety of different products and applications led us to make huge investment and become Turkey's first local tubular motor manufacturer for roller shutters, awnings, roller blinds among foreign competitors. We can produce up to 2000 pieces of motor in a day with 150 qualified person-

SEMBOL AÇIKLAMALARI

- **MOTORLU KEPENK** — Roller Door
- **MOTORLU PANJUR** — Roller Shutter
- **DAHİLİ ALICILI** — Built in Receiver
- **TİLTLİ PANJUR** — Tilting Shutter
- **PERGOLA** — Pergola
- **MOTORLU PERDE** — Roller Blind
- **MOTORLU TENTE** — Awning
- **MOTORLU JALUZİ** — Venetian Blind









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Control Systems



CTM 60 SERİSİ *CTM 60 SERIES*

CTM 60S SERİSİ

CTM 60S SERIES

Mekanik Limit
Mechanical Limit



Ø 45 mm

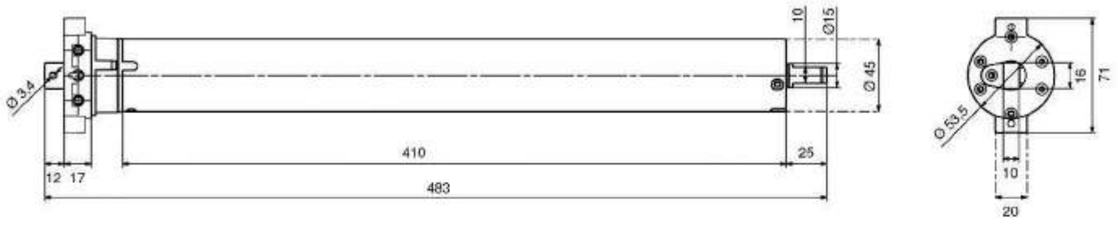
KULLANIM *USE*







MOTOR ÖLÇÜLERİ *MOTOR DIMENSIONS*



TEKNİK DETAY TABLOSU *TECHNICAL DETAIL CHART*

MODEL *MODEL*	TORK *RATED TORQUE*	DEVİR *RATED SPEED*	MOTOR ÇAPI *MOTOR DIA.*	VOLTAJ *RATED VOLTAGE*	GÜÇ *RATED POWER*	AKIM *RATED CURRENT*	KORUMA *PROTECTION CLASS*
CTM 60S-10/15	10Nm	15rpm	45mm	230V / 50Hz	106W	0,48A	IP44
CTM 60S-20/15	20Nm	15rpm	45mm	230V / 50Hz	143W	0,65A	IP44
CTM 60S-30/15	30Nm	15rpm	45mm	230V / 50Hz	180W	0,82A	IP44
CTM 60S-40/15	40Nm	15rpm	45mm	230V / 50Hz	187W	0,85A	IP44
CTM 60S-50/12	50Nm	12rpm	45mm	230V / 50Hz	198W	0,90A	IP44

110V / 60Hz üretilebilir *110V / 60Hz available*

CTM 60R SERİSİ

CTM 60R SERIES

Mekanik Limit
Mechanical Limit
Dahili Alıcı
Built in receiver



Ø 45 mm

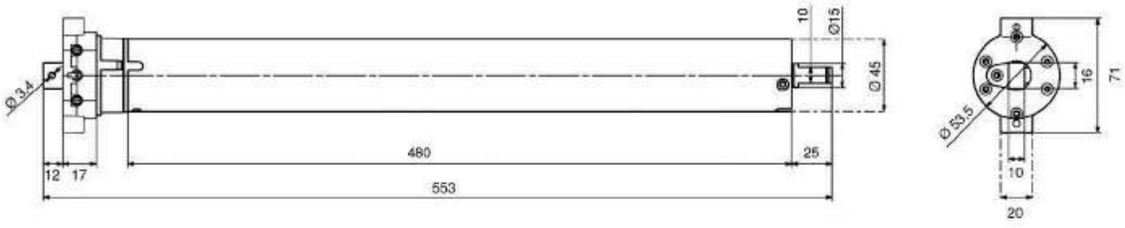
KULLANIM *USE*







MOTOR ÖLÇÜLERİ *MOTOR DIMENSIONS*



TEKNİK DETAY TABLOSU *TECHNICAL DETAIL CHART*

MODEL *MODEL*	TORK *RATED TORQUE*	DEVİR *RATED SPEED*	MOTOR ÇAPI *MOTOR DIA.*	VOLTAJ *RATED VOLTAGE*	GÜÇ *RATED POWER*	AKIM *RATED CURRENT*	KORUMA *PROTECTION CLASS*
CTM 60R-10/15	10Nm	15rpm	45mm	230V / 50Hz	106W	0,48A	IP44
CTM 60R-20/15	20Nm	15rpm	45mm	230V / 50Hz	143W	0,65A	IP44
CTM 60R-30/15	30Nm	15rpm	45mm	230V / 50Hz	180W	0,82A	IP44
CTM 60R-40/15	40Nm	15rpm	45mm	230V / 50Hz	187W	0,85A	IP44
CTM 60R-50/12	50Nm	12rpm	45mm	230V / 50Hz	198W	0,90A	IP44

110V / 60Hz üretilebilir *110V / 60Hz available*

CTM 60RE SERİSİ

CTM 60RE SERIES

Elektronik Limit
Electronical Limit
Dahili Alıcı
Built in receiver



Ø 45 mm

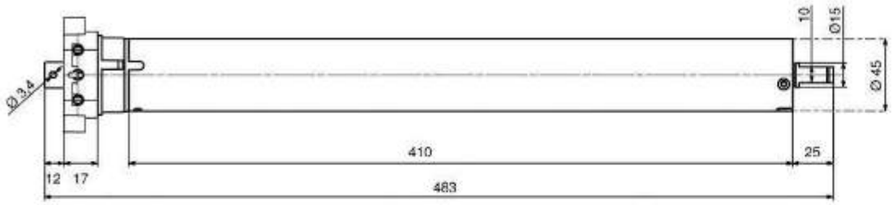


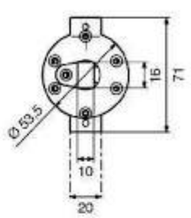


KULLANIM *USE*



MOTOR ÖLÇÜLERİ *MOTOR DIMENSIONS*





TEKNİK DETAY TABLOSU *TECHNICAL DETAIL CHART*

MODEL *MODEL*	TORK *RATED TORQUE*	DEVİR *RATED SPEED*	MOTOR ÇAPI *MOTOR DIA.*	VOLTAJ *RATED VOLTAGE*	GÜÇ *RATED POWER*	AKIM *RATED CURRENT*	KORUMA *PROTECTION CLASS*
CTM 60RE-10/15	10Nm	15rpm	45mm	230V / 50Hz	106W	0,48A	IP44
CTM 60RE-20/15	20Nm	15rpm	45mm	230V / 50Hz	143W	0,65A	IP44
CTM 60RE-30/15	30Nm	15rpm	45mm	230V / 50Hz	180W	0,82A	IP44
CTM 60RE-40/15	40Nm	15rpm	45mm	230V / 50Hz	187W	0,85A	IP44
CTM 60RE-50/12	50Nm	12rpm	45mm	230V / 50Hz	196W	0,90A	IP44

110V / 60Hz üretilebilir *110V / 60Hz available*



CTM 70 SERİSİ

CTM 70S SERİSİ

CTM 70S SERIES

Mekanik Limit
Mechanical Limit



KULLANIM *USE*

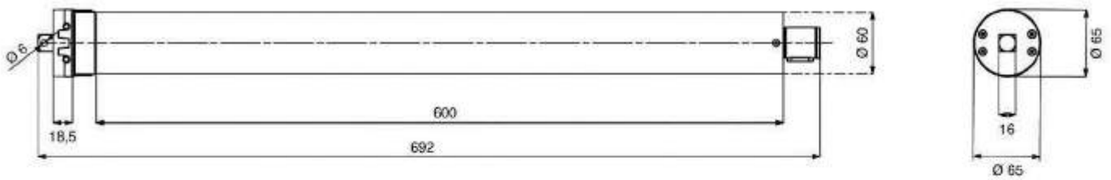


Ø 60 mm





MOTOR ÖLÇÜLERİ *MOTOR DIMENSIONS*



TEKNİK DETAY TABLOSU *TECHNICAL DETAIL CHART*

MODEL *MODEL*	TORK *RATED TORQUE*	DEVİR *RATED SPEED*	MOTOR ÇAPI *MOTOR DIA.*	VOLTAJ *RATED VOLTAGE*	GÜÇ *RATED POWER*	AKIM *RATED CURRENT*	KORUMA *PROTECTION CLASS*
CTM 70S-60/12	60Nm	12rpm	60mm	230V / 50Hz	300W	1,4A	IP44
CTM 70S-80/12	80Nm	12rpm	60mm	230V / 50Hz	310W	1,5A	IP44
CTM 70S-100/12	100Nm	12rpm	60mm	230V / 50Hz	400W	1,82A	IP44
CTM 70S-120/9	120Nm	9rpm	60mm	230V / 50Hz	350W	1,6A	IP44
CTM 70S-140/9	140Nm	9rpm	60mm	230V / 50Hz	385W	1,75A	IP44
CTM 70S-150/9	150Nm	9rpm	60mm	230V / 50Hz	420W	1,9A	IP44
CTM 70S-180/7	180Nm	7rpm	60mm	230V / 50Hz	460W	2,1A	IP44

110V / 60Hz üretilebilir *110V / 60Hz available*

CTM 70M SERİSİ

CTM 70M SERIES

Mekanik Limit
Mechanical Limit
Manuel Kullanım
Manual override



KULLANIM *USE*

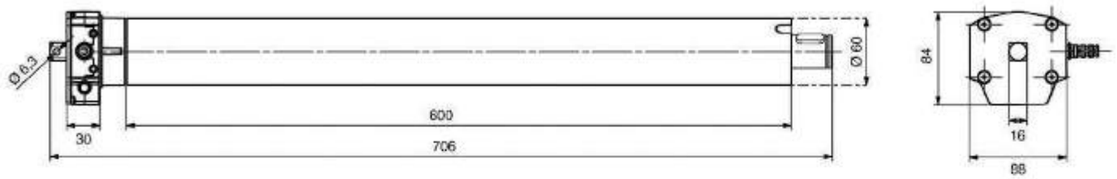


Ø 60 mm





MOTOR ÖLÇÜLERİ *MOTOR DIMENSIONS*



TEKNİK DETAY TABLOSU *TECHNICAL DETAIL CHART*

MODEL *MODEL*	TORK *RATED TORQUE*	DEVİR *RATED SPEED*	MOTOR ÇAPI *MOTOR DIA.*	VOLTAJ *RATED VOLTAGE*	GÜÇ *RATED POWER*	AKIM *RATED CURRENT*	KORUMA *PROTECTION CLASS*
CTM 70M-60/12	60Nm	12rpm	60mm	230V / 50Hz	300W	1,4A	IP44
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CTM 70M-150/9	150Nm	9rpm	60mm	230V / 50Hz	420W	1,9A	IP44
CTM 70M-180/7	180Nm	7rpm	60mm	230V / 50Hz	460W	2,1A	IP44

110V / 60Hz üretilebilir *110V / 60Hz available*

CTM 70R SERİSİ

CTM 70R SERIES

Mekanik Limit
Mechanical Limit
Dahili Alıcı
Built in receiver
Tilt Özelliği
Tilt Function
Engel Algılama
Resistance Rebound
Ara Limit Tanımlama
Third Limit Option

Ø 60 mm



KULLANIM *USE*







MOTOR ÖLÇÜLERİ *MOTOR DIMENSIONS*



TEKNİK DETAY TABLOSU *TECHNICAL DETAIL CHART*

MODEL *MODEL*	TORK *RATED TORQUE*	DEVİR *RATED SPEED*	MOTOR ÇAPI *MOTOR DIA.*	VOLTAJ *RATED VOLTAGE*	GÜÇ *RATED POWER*	AKIM *RATED CURRENT*	KORUMA *PROTECTION CLASS*
CTM 70R-60/12	60Nm	12rpm	60mm	230V / 50Hz	300W	1,4A	IP44
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CTM 70R-100/12	100Nm	12rpm	60mm	230V / 50Hz	400W	1,82A	IP44
CTM 70R-120/9	120Nm	9rpm	60mm	230V / 50Hz	350W	1,6A	IP44
CTM 70R-140/9	140Nm	9rpm	60mm	230V / 50Hz	385W	1,75A	IP44
CTM 70R-150/9	150Nm	9rpm	60mm	230V / 50Hz	420W	1,9A	IP44
CTM 70R-180/7	180Nm	7rpm	60mm	230V / 50Hz	460W	2,1A	IP44

110V / 60Hz üretilebilir *110V / 60Hz available*

CTM 70RE SERİSİ

CTM 70RE SERIES

Elektronik Limit
Electronical Limit
Dahili Alıcı
Built in receiver
Tilt Özelliği
Tilt Function
Engel Algılama
Resistance Rebound
Ara Limit Tanımlama
Third Limit Option

Ø 60 mm



KULLANIM *USE*







MOTOR ÖLÇÜLERİ *MOTOR DIMENSIONS*

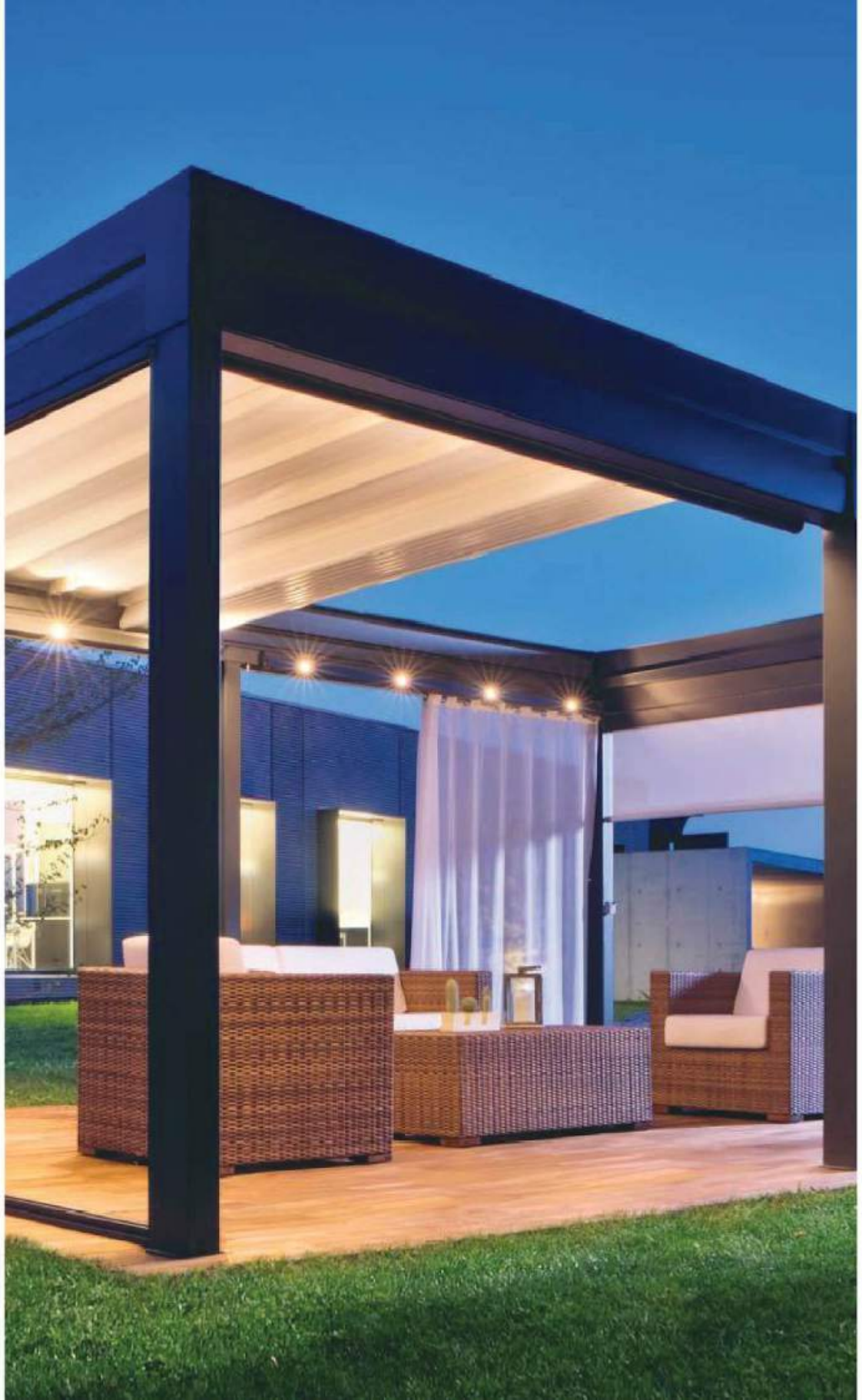


TEKNİK DETAY TABLOSU *TECHNICAL DETAIL CHART*

MODEL *MODEL*	TORK *RATED TORQUE*	DEVİR *RATED SPEED*	MOTOR ÇAPI *MOTOR DIA.*	VOLTAJ *RATED VOLTAGE*	GÜÇ *RATED POWER*	AKIM *RATED CURRENT*	KORUMA *PROTECTION CLASS*
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CTM 70RE-150/9	150Nm	9rpm	60mm	230V / 50Hz	420W	1,9A	IP44
CTM 70RE-180/7	180Nm	7rpm	60mm	230V / 50Hz	460W	2,1A	IP44

110V / 60Hz üretilebilir *110V / 60Hz available*

KONTROL SİSTEMLERİ *Control Systems*



KONTROL
SİSTEMLERİ
CONTROL SERIES





ELİT 1

Kanal Sayısı: 1
Number of channel: 1
Çalışma voltajı: 3V
Power supply: 3V
Pil tipi: 2 x CR 2032
Battery type: 2 x CR 2032
Frekans: 433,92 MHz
Frequency: 433,92 MHz
Kodlama: Değişken tip
Coding: Rolling Code
Çalışma sıcaklığı: -20 °C/+60 °C
Working temperature: -20 °C/+60 °C
Ölçüler: 110 x 34 x 14,5 mm
Dimensions: 110 x 34 x 14,5 mm

Ergonomik tasarım
Ergonomic design
Kaymaz kaplama
Non slippery coating
Pil seviyesi düşük uyarısı
Low battery indication
Duvar askı aparatı
Wall mounting bracket
Darbelere dayanıklı yapı
Impact resistant strong body
Uzun pil ömrü
Long battery life



ELİT 5

Kanal Sayısı: 5
Number of channel: 5
Çalışma voltajı: 3V
Power supply: 3V
Pil tipi: 2 x CR 2032
Battery type: 2 x CR 2032
Frekans: 433,92 MHz
Frequency: 433,92 MHz
Kodlama: Değişken tip
Coding: Rolling Code
Çalışma sıcaklığı: -20 °C/+60 °C
Working temperature: -20 °C/+60 °C
Ölçüler: 110 x 34 x 14,5 mm
Dimensions: 110 x 34 x 14,5 mm

Ergonomik tasarım
Ergonomic design
Kaymaz kaplama
Non slippery coating
Pil seviyesi düşük uyarısı
Low battery indication
Duvar askı aparatı
Wall mounting bracket
Darbelere dayanıklı yapı
Impact resistant strong body
Uzun pil ömrü
Long battery life



ELİT 15

Kanal Sayısı: 15
Number of channel: 15
Çalışma voltajı: 3V
Power supply: 3V
Pil tipi: 2 x CR 2032
Battery type: 2 x CR 2032
Frekans: 433,92 MHz
Frequency: 433,92 MHz
Kodlama: Değişken tip
Coding: Rolling Code
Çalışma sıcaklığı: -20 °C/+60 °C
Working temperature: -20 °C/+60 °C
Ölçüler: 110 x 34 x 14,5 mm
Dimensions: 110 x 34 x 14,5 mm

Ergonomik tasarım
Ergonomic design
Kaymaz kaplama
Non slippery coating
Pil seviyesi düşük uyarısı
Low battery indication
Duvar askı aparatı
Wall mounting bracket
Darbelere dayanıklı yapı
Impact resistant strong body
Uzun pil ömrü
Long battery life



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Carbos bir ER-AY GROUP® iştirakidir.

Turkey
Discover
the potential

CE

TÜV SÜD ISO 9001