"Turning our customers' needs into new products is our mission, and for me, a source of great satisfaction."

Massimo Vigano
Motor Design Department

TUBULAR MOTORS

guidelines for choosing a motor p. 26

motors Ø 35
- Wired - mechanical LS
- Wired - electronic LS
- With integrated radio - mechanical LS
- With integrated radio - electronic LS

motors Ø 45
- Wired - mechanical LS
- Wired - mechanical LS
- Wired - mechanical LS
- With integrated radio - mechanical LS
- Wired, with manual override - mechanical LS
- Wired - electronic LS
- Wired - electronic LS
- Wired, with manual override - electronic LS
- Wired - electronic LS
- With radio - electronic LS
- Wired - electronic LS
- Wired - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS

motors Ø 58
- Wired - mechanical LS
- Wired, with manual override - mechanical LS
- Wired - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS
- With integrated radio - electronic LS

fast motors p. 92

...
## GUIDELINES FOR CHOOSING A MOTOR

### APPLICATION

<table>
<thead>
<tr>
<th>Application</th>
<th>ELECTRONIC MOTOR WITH INTEGRATED RADIO CONTROLS</th>
<th>ELECTRONIC MOTOR WITH WIRED CONTROLS</th>
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<th>CONTROL UNITS*</th>
<th>STANDARD MOTOR WITH MECHANICAL LIMIT SWITCH*</th>
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<tbody>
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### WIRED SWITCH

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### OBSTACLE DETECTION WHEN ASCENDING

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### SUPER SENSITIVITY

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### OPTIMIZED FABRIC TENSIONER

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### CLOSING FORCE ADJUSTMENT

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### INTERMEDIATE POSITION

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### AUTOMATIC COUPLING AND UNCOUPLING

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### BLIND ADJUSTMENT MANAGEMENT

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<tbody>
<tr>
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### CLIMATIC CONTROLS

<table>
<thead>
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<tbody>
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### OVERRIDE DEVICE

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### REDUCED LENGTH

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<tbody>
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### QUICK CONNECTION

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<td>✓ *</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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</table>

### HEAD WITH SINTERED STEEL CLAMP (≤ 845 up to 15 Nm)

<table>
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<td>✓ *</td>
<td>✓ *</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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</table>

* See the “automation system compatibility table” (page 96) for the mechanical limit switch motor + control units combinations.

(+) Up to 25 Nm
ROLL Ø35

the motor ideal for screen and rolling shutters

Mechanical limit switch
Reliable and easy adjustment of the limit switches. Fixed limit switch position.

Strength and safety
The star-shaped metallic reducer pin makes the motor highly reliable.

MOTOR WITH WIRE CONTROL

ROLL Ø35

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
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<tr>
<td>AMP35033000</td>
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<td>3</td>
<td>30</td>
<td>☑️</td>
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<td>AMP35053000</td>
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<td>30</td>
<td>☑️</td>
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<td>AMP35052100</td>
<td>Plastic material</td>
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<td>21</td>
<td>☑️</td>
</tr>
<tr>
<td>AMP35091600</td>
<td>Plastic material</td>
<td>9</td>
<td>16</td>
<td>☑️</td>
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COMPARATIVE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96

BLUE BUS
Allows the central command of different range of motors.

Brown - Rotation R1
Black - Rotation R2
Blue - Neutral
Yellow - Green

TECHNICAL FEATURES

| Code   | Motor torque (Nm) | Speed (rpm) | Mechanical limit switch | Power supply (V/Hz) | Power (W) | Consumption (A) | Cable 4 x 0.75 (m) | Operating time (min) | Protection degree | Weight (kg) | L1 (mm) |
|--------|-------------------|-------------|--------------------------|---------------------|-----------|-----------------|---------------------|----------------------|-------------------|------------|--------|--------|
| 3/30   | 3                 | 30          | 35                       | 105                 | 0.4       | 4.5             | 4                   | 4                    | IP44               | 1.55       | 477    |        |
| 5/20   | 5                 | 21          | 35                       | 120                 | 0.5       | 4.5             | 4                   | 4                    | IP44               | 1.55       | 477    |        |
| 5/21   | 5                 | 21          | 35                       | 120                 | 0.4       | 4.5             | 4                   | 4                    | IP44               | 1.55       | 477    |        |
| 9/16   | 9                 | 16          | 35                       | 230/50              | 0.5       | 4.5             | 4                   | 4                    | IP44               | 1.55       | 477    |        |

Skipper Senso
One-channel remote control with integrated light and temperature sensors. It enables the desired light and temperature levels to be maintained, in summer and winter.

Giro Series
remote controls
One-channel, multi-channel, wall-mounted remote controls.

Compact Roll
and OPTIME radio receivers
Small radio receivers. Compatible with the Cherubini remote controls.

ROLL Ø35

CHERUBINI

ROLL Ø35

CHERUBINI

ROLL Ø35

CHERUBINI
**PLUG & PLAY PLUS Ø35**

more than a motor, a system!

Electronic limit switch with wire control and encoder
This motor is recommended as drive system for interior and exterior “monobloc” shutters, roller blinds and screens.

Easy to install
Insert the motor into the tube, connect it to the power supply and it’s ready. When using lockers components no adjustment required.

Versatile
Without lockers components upwards or downwards, one or both limit switches may be set on the external button panel.

Protection against freezing
The motor will not operate if the guides and/or slats are frozen.

Specific functions
- Automatic adjustment of the limit switch.
- Obstacle recognition either upwards or downwards with drive inversion.
- May be connected either directly or in parallel.

**TECHNICAL FEATURES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
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<tr>
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<th>Value</th>
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<td>Speed</td>
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<tr>
<td>Power (W)</td>
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<td>Power supply (V/Hz)</td>
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<td>Consumption (A)</td>
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<tr>
<td>Cable (m)</td>
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<td>Operating time (min)</td>
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<td>Weight (kg)</td>
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<td>L1 (mm)</td>
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</table>

**LOCKERS COMPONENTS**

- A hard hangers
- B visible or hidden stoppers

**COMPATIBLE SYSTEMS**

For the complete range of compatible systems see “Compatibility Table” on page 96.

**Blue Bus**

Allows the central command of different range of motors.

---

**MAIN CHARACTERISTICS**

**APPLICATION**

**TECHNOLOGY**
TRONIC RX Ø35

designed for the application on french doors with small cassette

Electronic limit switch with built-in receiver (wired)
Simple and intuitive adjustment of the limit switch from the remote control.
The encoder technology makes it possible to keep the position set with optimum precision and reliability.

Safety and simplicity
High-safety coding system “Rolling Code”.
Easy programming and operation: the motor confirms all the steps by means of small rotations.

Specific functions
- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Function “Super-sensitivity” on obstacle detection, set by remote control, setting on 3 levels possible.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

Optional connections
Wired switch.

MOTOR WITH BUILT-IN RECEIVER

TRONIC RX Ø35

TRONIC RX Ø35
Application

Compatibility systems
For the complete range of compatible systems see “Compatibility Table” on page 96

Skipper Senso
One-channel remote control with integrated light and temperature sensors. It enables the desired light and temperature levels to be maintained, in summer and winter.

Giro Series remote controls
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrating motors to the home automation system via radio.

Main characteristics

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
<th>TRONIC RX Ø35</th>
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<td>5 Nm</td>
<td>21 rpm</td>
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<tr>
<td>AER35091600</td>
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Technical features

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<th>Speed</th>
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TRONIC RX Ø35

Code: AG02

TRONIC RX Ø35

TRONIC RX Ø35

L1
SENso RX Ø35
ideal for screens and mosquito nets

Electronic limit switch with built-in receiver (wired)
Simple and intuitive adjustment of the limit switch from the remote control.
The encoder technology makes it possible to keep the position set with optimum precision and reliability.

Safety and simplicity
High-safety coding system "Rolling Code". Easy programming and operation: the motor confirms all the steps by means of small rotations.

Specific functions
- Function "Super-sensitivity" on obstacle detection, set by remote control, setting on 3 levels possible, especially for screens and mosquito blinds.
- Mechanical stop during closing.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

Optional connections
Wired switch.
Connection to WindTec and Rugiada climatic controls via radio.

Main characteristics

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEA35033000</td>
<td>Plastic material</td>
<td>3</td>
<td>30 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AEA35053000</td>
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<td>5</td>
<td>30 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AEA35091600</td>
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<td>9</td>
<td>16 rpm</td>
<td>€</td>
</tr>
</tbody>
</table>

Technological features

<table>
<thead>
<tr>
<th>Motor torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Power (W)</th>
<th>Power supply (V/Hz)</th>
<th>Radio frequency (MHz)</th>
<th>Consumption (A)</th>
<th>Cable 4 x 0,75 (m)</th>
<th>Operating time (min)</th>
<th>Protection degree</th>
<th>Receiver storage capacity (No. Remote controls)</th>
<th>Weight (kg)</th>
<th>L1 (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>30</td>
<td>105</td>
<td>230/50</td>
<td>433,92</td>
<td>0,4</td>
<td>15</td>
<td>1,65</td>
<td>IP44</td>
<td>(No. Remote controls)</td>
<td>1,65</td>
<td>547</td>
</tr>
<tr>
<td>5</td>
<td>30</td>
<td>120</td>
<td>230/50</td>
<td>433,92</td>
<td>0,5</td>
<td>15</td>
<td>1,65</td>
<td>IP44</td>
<td>15</td>
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<tr>
<td>9</td>
<td>16</td>
<td>120</td>
<td>230/50</td>
<td>433,92</td>
<td>0,5</td>
<td>15</td>
<td>1,65</td>
<td>IP44</td>
<td>15</td>
<td>1,65</td>
<td>547</td>
</tr>
</tbody>
</table>

Compatible systems

For the complete range of compatible systems see "Compatibility Table" on page 96

Skipper Senso
One-channel remote control with integrated light and temperature sensors. It enables the desired light and temperature levels to be maintained, in summer and winter.

Giro Series
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.

Climatic controls WindTec
Wind and sun/wind sensors with connection to the motor via radio (wireless).
ROLL Ø45
the ideal motor for motorising rolling shutters and screens

Mechanical limit switch
Reliable and easy adjustment of the limit switches. Fixed limit switch position.

Strength and safety
The star-shaped technopolymer (6-30 Nm) or Zama (40-50 Nm) reducer pin makes the motor highly reliable.

**Main Characteristics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head Material</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
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</thead>
<tbody>
<tr>
<td>AMP45061700</td>
<td>Plastic material</td>
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<tr>
<td>AMP45101700</td>
<td>Plastic material</td>
<td>10</td>
<td>17</td>
<td>€</td>
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<tr>
<td>AMP45151700</td>
<td>Plastic material</td>
<td>15</td>
<td>17</td>
<td>€</td>
</tr>
<tr>
<td>AMP45251700</td>
<td>Plastic material</td>
<td>25</td>
<td>17</td>
<td>€</td>
</tr>
<tr>
<td>AMP45301700</td>
<td>Plastic material</td>
<td>30</td>
<td>17</td>
<td>€</td>
</tr>
<tr>
<td>AMP45401700</td>
<td>Plastic material</td>
<td>40</td>
<td>17</td>
<td>€</td>
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<tr>
<td>AMP45501200</td>
<td>Plastic material</td>
<td>50</td>
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<td>€</td>
</tr>
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<td>AMP45073000</td>
<td>Plastic material</td>
<td>7</td>
<td>30</td>
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<tr>
<td>AMP45153000</td>
<td>Plastic material</td>
<td>15</td>
<td>30</td>
<td>€</td>
</tr>
</tbody>
</table>

This motor is compatible with the fastening system **OPTime**

**Technical Features**

- Motor torque (Nm)
- Speed (rpm)
- Mechanical limit switch
- Power (W)
- Power supply (V/Hz)
- Consumption (A)
- Cable** 4 x 0.75 (m)
- Operating time (min)
- Protection degree
- Weight (kg)
- L1 (mm)

* Upon request, available with 37 turns before stop
** Possibility of cable with Hirschmann STAS 3.

**Compatibility Systems**

For the complete range of compatible systems see "Compatibility Table" on page 96

**Giro Series**
Remote controls
One-channel, multi-channel, wall-mounted remote controls.

**Compact Roll and OPTime radio receivers**
Small radio receivers. Compatible with the Cherubini remote controls.

**Blue Bus**
Allows the central command of different range of motors.
ROLL EASY Ø45
this fast coupling motor is ideal for construction sites

Mechanical limit switch
Reliable and easy adjustment of the limit switches.

Quick installation
The connector system makes installation very quick and easy.

Strength and safety
The star-shaped metallic reducer pin makes the motor highly reliable.

**APPLICATION**

**ROLL EASY Ø45**

**MOTOR WITH WIRE CONTROL**

**TECHNICAL FEATURES**

<table>
<thead>
<tr>
<th></th>
<th>10/17</th>
<th>15/17</th>
<th>25/17</th>
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</thead>
<tbody>
<tr>
<td>Motor torque (Nm)</td>
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<td>25</td>
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<tr>
<td>Speed (rpm)</td>
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<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Mechanical limit switch*</td>
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<td>25</td>
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<tr>
<td>Power supply (V/Hz)</td>
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<td>230/50</td>
<td>230/50</td>
</tr>
<tr>
<td>Consumption (A)</td>
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<tr>
<td>lg. 14 cm (connector included)</td>
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<td>4</td>
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</table>
| Ø18 mm

**MAIN CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMA45101705</td>
<td>Plastic material</td>
<td>10 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AMA45151705</td>
<td>Plastic material</td>
<td>15 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AMA45251705</td>
<td>Plastic material</td>
<td>25 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
</tbody>
</table>

This motor is compatible with the fastening system OPTime.

**COMPATIBLE SYSTEMS**

- Giro Series remote controls
  One-channel, multi-channel, wall-mounted remote controls.

- OPTime radio receiver
  Quick coupling small radio receiver. Compatible with the Cherubini remote controls.

- Blue Bus
  Allows the central command of different range of motors.

**MAIN CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMA45101705</td>
<td>Plastic material</td>
<td>10 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AMA45151705</td>
<td>Plastic material</td>
<td>15 Nm</td>
<td>17 rpm</td>
<td>€</td>
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<tr>
<td>AMA45251705</td>
<td>Plastic material</td>
<td>25 Nm</td>
<td>17 rpm</td>
<td>€</td>
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</table>

**TECHNICAL FEATURES**

<table>
<thead>
<tr>
<th></th>
<th>10/17</th>
<th>15/17</th>
<th>25/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor torque (Nm)</td>
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<td>25</td>
</tr>
<tr>
<td>Speed (rpm)</td>
<td>17</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Mechanical limit switch*</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Power supply (V/Hz)</td>
<td>230/50</td>
<td>230/50</td>
<td>230/50</td>
</tr>
<tr>
<td>Consumption (A)</td>
<td>0,6</td>
<td>0,8</td>
<td>1</td>
</tr>
<tr>
<td>lg. 14 cm (connector included)</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>
| Ø18 mm

* Upon request, available with 37 turns before stop
** The cable is provided separately from the motor. Choose the suitable length for the cable:
  A45503_0311 length 2 m
  A45503_0314 length 4 m

**COMPATIBLE SYSTEMS**

- For the complete range of compatible systems see “Compatibility Table” on page 96
MICRO Ø45
MICRO EASY Ø45
ideal for limited spaces

Mechanical limit switch
Reliable and easy adjustment of the limit switches.

Strength and safety
The star-shaped metallic reducer pin makes the motor highly reliable.

SMALL MOTOR (43.8 cm)

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head Description</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMC45101705</td>
<td>Plastic Micro</td>
<td>10 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AMC45101725</td>
<td>Plastic Micro Easy with connector</td>
<td>10 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
</tbody>
</table>

This motor is compatible with the fastening system OPTime

TECHNICAL FEATURES

- Motor torque (Nm)
- Speed (rpm)
- Mechanical limit switch
- Power (W)
- Power supply (V/Hz)
- Consumption (A)
- Cable length (m)
- Operating time (min)
- Protection degree
- Weight (kg)
- L1 (mm)

<table>
<thead>
<tr>
<th>Motor feature</th>
<th>AMC45101705</th>
<th>AMC45101725</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230/50</td>
<td>230/50</td>
</tr>
<tr>
<td>Consumption</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Operating time</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Protection</td>
<td>IP44</td>
<td>IP44</td>
</tr>
<tr>
<td>Weight</td>
<td>1.90</td>
<td>1.70</td>
</tr>
<tr>
<td>L1</td>
<td>421</td>
<td>421</td>
</tr>
</tbody>
</table>

*The cable is provided separately from the motor. Choose the suitable length for the cable:
A4503_0333 length 1 m
A4503_0311 length 2 m
A4503_0314 length 4 m

COMPATIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96

Giro Series
One-channel, multi-channel, wall-mounted remote controls.

Compact Roll
Small radio receivers. Compatible with the Cherubini remote controls.

Blue Bus
Allows the central command of different range of motors.
**GARDA Ø45**

**Mechanical limit switch**
Reliable and easy adjustment of the limit switches.

**Attachment without brackets**
The motor can be fastened directly to the bracket without needing additional supports.

**Strength and safety**
The star-shaped metallic reducer pin makes the motor highly reliable.

---

**MAIN CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
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<td>10 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AME45151700</td>
<td>Zama</td>
<td>15 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AME45251700</td>
<td>Zama</td>
<td>25 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AME45321700</td>
<td>Zama</td>
<td>32 Nm</td>
<td>17 rpm</td>
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</tr>
<tr>
<td>AME45401700</td>
<td>Zama</td>
<td>40 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AME45501200</td>
<td>Zama</td>
<td>50 Nm</td>
<td>12 rpm</td>
<td></td>
</tr>
</tbody>
</table>

**TECHNICAL FEATURES**

- Motor torque (Nm)
- Speed (rpm)
- Mechanical limit switch*
- Power (W)
- Power supply (V/Hz)
- Consumption (A)
- Cable** 4 x 0.75 (m)
- Operating time (min)
- Protection degree
- Weight (kg)
- L1 (mm)

* Upon request, available with 37 turns before stop
** Possibility of cable with Hirschmann STAS 3.

---

**COMPATIBLE SYSTEMS**

For the complete range of compatible systems see “Compatibility Table” on page 96

- **Giro Series remote controls**
  One-channel, multi-channel, wall-mounted remote controls.

- **Radio receivers for awnings**
  These receivers make it possible to activate mechanical motors automatically.

- **Radio receivers for rolling shutters**
  Small radio receivers. Compatible with the Cherubini remote controls.

- **Climatic controls WindTec and WindTec SC**
  Radio Wind- & Sun sensor (wireless via radio receiver) and Wind sensor (wired).

---

**APPLICATION**

---

**GARDA Ø45**

**MOTOR WITH WIRE CONTROL**

- BROWN - ROTATION R1
- BLACK - ROTATION R2
- BLUE - NEUTRAL
- YELLOW - GREEN

---

**GARDA Ø45**

**APPLICATION**

---
**GARDA RX Ø45**

**Mechanical limit switch with in-built receiver**
Reliable and easy adjustment of the limit switches.

**Attachment without brackets**
The motor can be fastened directly to the bracket without needing additional supports.

**Strength and safety**
The star-shaped metallic reducer pin makes the motor highly reliable.

**Safety and simplicity**
High-safety coding system “Rolling Code”. Easy programming and operation: the motor confirms all the steps by means of small rotations.

**Inlet for external sensor**
Possibility of connecting the WindTec SE wind sensor directly.

**MAIN CHARACTERISTICS**

**TECHNICAL FEATURES**

**COMPATIBLE SYSTEMS**
For the complete range of compatible systems see “Compatibility Table” on page 96.

**APPLICATION**

**TECHNOLOGY**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMT45101700</td>
<td>Zama</td>
<td>10 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AMT45151700</td>
<td>Zama</td>
<td>15 Nm</td>
<td>17 rpm</td>
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<tr>
<td>AMT45251700</td>
<td>Zama</td>
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<td>AMT45501200</td>
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<td>12 rpm</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMT45101700</td>
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<td>17 rpm</td>
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</tr>
<tr>
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<td>17 rpm</td>
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<td>AMT45251700</td>
<td>Zama</td>
<td>25 Nm</td>
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</tr>
<tr>
<td>AMT45321700</td>
<td>Zama</td>
<td>32 Nm</td>
<td>17 rpm</td>
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<td>AMT45401700</td>
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<tr>
<td>AMT45501200</td>
<td>Zama</td>
<td>50 Nm</td>
<td>12 rpm</td>
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</table>

<table>
<thead>
<tr>
<th>10/17</th>
<th>15/17</th>
<th>25/17</th>
<th>32/17</th>
<th>40/17</th>
<th>50/12</th>
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<td>646</td>
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</tr>
</tbody>
</table>

**Motor with built-in receiver**

**Giro Series remote controls**
One-channel, multi-channel, wall-mounted remote controls.

**Domotic Transmitter**
It gives the possibility of integrating motors to the home automation system via radio.

**WindTec SE anemometer**
Climatic control to protect the awning from the sun and the wind.
**OCEAN Ø45**

**Main Characteristics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS45151700</td>
<td>Zama</td>
<td>15 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AMS45251700</td>
<td>Zama</td>
<td>25 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AMS45321700</td>
<td>Zama</td>
<td>32 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AMS45401700</td>
<td>Zama</td>
<td>40 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
<tr>
<td>AMS45501200</td>
<td>Zama</td>
<td>50 Nm</td>
<td>12 rpm</td>
<td></td>
</tr>
</tbody>
</table>

**Technical Features**

- **Motor torque (Nm)**: 15, 25, 32, 40, 50
- **Speed (rpm)**: 17, 17, 17, 17, 12
- **Mechanical limit switch**: 32, 32, 32, 32, 32
- **Power (W)**: 170, 225, 250, 275, 275
- **Power supply (V/Hz)**: 230/50, 230/50, 230/50, 230/50, 230/50
- **Consumption (A)**: 0.8, 1, 1.1, 1.25, 1.25
- **Operating time (min)**: 4, 4, 4, 4, 4
- **Protection degree**: IP44, IP44, IP44, IP44, IP44
- **Cable**: 4 x 0.75 (m), 2.5, 2.5, 2.5, 2.5, 2.5
- **Operating time (min)**: 4, 4, 4, 4, 4
- **Weight (kg)**: 3.5, 3.8, 3.8, 3.8, 3.8
- **L1 (mm)**: 646, 646, 646, 646, 646

**Accessories for Manual Operation**

For a complete list see “Accessories for manual operation” on page 148

- Foldable crank with hook length 150 cm
  - Ref. 7463 150G 2101
- Operating crank length 150 cm
  - Ref. 9100 150L CH02
- Eye with hexagon
  - Ref. 6010 7008 CH16

**Compatibility Systems**

For the complete range of compatible systems see “Compatibility Table” on page 96

- OCEAN + TDS Compact
  - Obstacle recognition during closing
  - Closing force adjustment on 3 levels possible
  - First intermediate position programmable from the remote control
  - Second intermediate position programmable from the remote control and controlled by the WindTec Lux light sensor

- OCEAN + Compact ROLL
  - Obstacle detection on both directions, sensitivity setting on 3 levels possible
  - Two intermediate positions that are programmable and usable from the remote control

**Mechanical limit switch**
Reliable and easy adjustment of the limit switches.
Double access to the adjusting screws.

**Compact override**
Thanks to its small size, this device can be installed in limited spaces.
The reduction ratio is 1:24.

**Attachment without brackets**
The motor can be fastened directly to the bracket without needing additional supports.

**Strength and safety**
The star-shaped metallic reducer pin makes the motor highly reliable.

**Motor with Wire Control and Override**

- Brown: Rotation R1
- Black: Rotation R2
- Blue: Neutral
- Yellow: Green

**Automation of the Motor with Manual Override Device**
Ocean combined with TDS Compact and Compact Roll radio receiver becomes a radio controlled motor and takes on new functions.

Moving the override, the end positions remain unchanged.

**OCEAN Ø45**
Electronic limit switch with wire control and encoder

This motor is recommended as drive system for interior and exterior "monobloc" shutters.

Automatic adjustment of the limit switches

It performs automatic adjustment of the lower limit switch both with hard and soft hangers. Lockers components are required for the upper limit switch.

Versatile

One or both limit switches may be set manually using the external key pad at any time. Adjustment of the upper limit switch is mandatory when there are no lockers components in ascent.

DEDICATED BUTTON PANEL NOT REQUIRED!

Specific functions

- Protection against freezing and obstacle detection on both directions.
- Function "Super-sensitivity" on obstacle detection, setting on 3 levels possible, avoids the complete stack of slats (useful for rolling shutters above 20 kg).
- May be connected either directly or in parallel.
- Stop on upper limit switch with release.
- Automatic recognition of the rotation direction.
- Direct attachment to the aluminium side without brackets.

MOTOR WITH WIRE CONTROL

BROWN - ROTATION R1
BLACK - ROTATION R2
BLUE - NEUTRAL
YELLOW - GREEN

6/17 10/17 15/17
Motor torque (Nm)
6 10 15
17 17 17
150 170 230/50
230/50 230/50 230/50
0,7 0,7 0,8
Ig. 3 Ig. 3 Ig. 3
4 4 4
IP44 IP44 IP44
2,30 2,30 2,30
510 546 546

COMPATIBLE SYSTEMS

For the complete range of compatible systems see "Compatibility Table" on page 96

BLUE BUS

Allows the central command of different range of motors.

APPLICATION
PLUG&PLAY PLUS Ø45
more than a motor, a system!

Electronic limit switch with wire control and encoder
This motor is recommended as drive system for interior and exterior “monobloc” shutters, roller blinds and screens.

Easy to install
Insert the motor into the tube, connect it to the power supply and it’s ready.
When using lockers components no adjustment required.

Versatile
Without lockers components upwards or downwards, one or both limit switches may be set on the external button panel.
DEDICATED BUTTON PANEL NOT REQUIRED!

Specific functions
- Automatic adjustment of the limit switch.
- Protection against freezing and obstacle detection on both directions.
- May be connected either directly or in parallel.
- Direct attachment to the aluminium side without brackets (maximum 15 Nm).

PLUG&PLAY PLUS Ø45

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head Material</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEQ45061705</td>
<td>Plastic</td>
<td>6</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>AEQ45101705</td>
<td>Plastic</td>
<td>10</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>AEQ45151705</td>
<td>Plastic</td>
<td>15</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>AEQ45251705</td>
<td>Plastic</td>
<td>25</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>AEQ45321705</td>
<td>Plastic</td>
<td>32</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>AEQ45401705</td>
<td>Plastic</td>
<td>40</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>AEQ45501205</td>
<td>Plastic</td>
<td>50</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

TECHNICAL FEATURES

- Motor torque (Nm)
- Speed (rpm)
- Power (W)
- Motor torque (Nm)
- Power supply (V/Hz)
- Consumption (A)
- Cable 4 x 0,75 (m)
- Operating time (min)
- Protection degree
- Weight (kg)
- L1 (mm)

LOCKERS COMPONENTS

A hard hangers

For automatic adjustment the accessories indicated in points A and B are required.

COMPATIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96

Blue Bus

Allows the central command of different range of motors.
PLUG&PLAY Ø45

more than a motor, a system!

Electronic limit switch with wire control
This motor is recommended as drive system for interior and exterior “monobloc” shutters.

Easy to install
Insert the motor into the tube, connect it to the power supply and it’s ready.
NO ADJUSTMENT REQUIRED.

Self-learning
Limit switches are optimized owing to the constant torque metering for the entire path the blinds take.

Specific functions
- Automatic adjustment of the limit switch.
- Protection against freezing and obstacle detection on both directions.
- May be connected either directly or in parallel.
- Direct attachment to the aluminium side without brackets.

PLUG&PLAY Ø45

APPLICATION

Code | Head | Torque (Nm) | Speed (rpm) | Certification
---|---|---|---|---
AEP45061705 | Plastic material | 6 | 17 | €
AEP45101705 | Plastic material | 10 | 17 | €
AEP45151705 | Plastic material | 15 | 17 | €

For higher motor torque ratings see Plug&Play Plus page 50

TECHNICAL FEATURES

<table>
<thead>
<tr>
<th>6/17</th>
<th>10/17</th>
<th>15/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor torque (Nm)</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Speed (rpm)</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Power supply (V/Hz)</td>
<td>230/50</td>
<td>230/50</td>
</tr>
<tr>
<td>Power (W)</td>
<td>110</td>
<td>135</td>
</tr>
<tr>
<td>Consumption (A)</td>
<td>0,5</td>
<td>0,6</td>
</tr>
<tr>
<td>Protection degree</td>
<td>IP44</td>
<td>IP44</td>
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<tr>
<td>Weight (kg)</td>
<td>49</td>
<td>496</td>
</tr>
<tr>
<td>L1 (mm)</td>
<td>496</td>
<td>496</td>
</tr>
</tbody>
</table>

L116,5 2 60

MOTOR WITH WIRE CONTROL

BROWN - ROTATION R1
BLACK - ROTATION R2
BLUE - NEUTRAL
YELLOW - GREEN

LOCKERS COMPONENTS

Installation is very simple: once the motor is installed into the tube it adjusts itself automatically.
For this A and B are necessary.

COMPATIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96

Blue Bus
Allows the central command of different range of motors.

PLUG&PLAY Ø45

52
**Application**

**PLUG & PLAY**

**OCEAN EASY Ø45**

- **Compact, strong, automatic!**

**Electronic limit switch and override device**
Suitable for installation on shutters with both hard hangers and stoppers on the last slat.

**Compact override**
Thanks to its small size, this device can be installed in limited spaces. A reduction ratio of 1:18.

**Easy to install**
Insert the motor into the tube, connect it to the power supply and it’s ready.

**NO ADJUSTMENT REQUIRED.**

**Specific functions**
- Automatic adjustment of the limit switch.
- After manual override, the end positions remain unchanged.
- Protection against freezing and obstacle detection on both directions.
- May be connected either directly or in parallel.

**Main characteristics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEN45101700</td>
<td>Zama</td>
<td>10</td>
<td>17</td>
<td>€</td>
</tr>
<tr>
<td>AEN45201700</td>
<td>Zama</td>
<td>20</td>
<td>17</td>
<td>€</td>
</tr>
</tbody>
</table>

**Technical features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor torque (Nm)</td>
<td>10</td>
</tr>
<tr>
<td>Speed (rpm)</td>
<td>17</td>
</tr>
<tr>
<td>Power supply (V/Hz)</td>
<td>230/50</td>
</tr>
<tr>
<td>Consumption (A)</td>
<td>0,7</td>
</tr>
<tr>
<td>Operating time (min)</td>
<td>4</td>
</tr>
<tr>
<td>Protection degree</td>
<td>IP44</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>3,45</td>
</tr>
<tr>
<td>Cable length (mm)</td>
<td>14</td>
</tr>
</tbody>
</table>

*The cable is provided separately from the motor. Choose the suitable length for the cable.
A4503_0333 length 1 m
A4503_0311 length 2 m
A4503_0314 length 4 m

**Lockers components**

**Accessories for manual operation**
For a complete list see “Accessories for manual operation” on page 148

**Motor with wire control and override**

**Compatible systems**
For the complete range of compatible systems see “Compatibility Table” on page 96

**Giro Series remote controls**
One-channel, multi-channel, wall-mounted remote controls.

**Optime radio receiver**
Quick coupling small radio receiver. Compatible with the Cherubini remote controls.

**Blue Bus**
Allows the central command of different range of motors.

**PLUG & PLAY**

**OCEAN EASY Ø45**
PLUG&PLAY SHORT Ø45
all of the plug&play functions in just 36 cm!

Electronic limit switch with wire control
This motor is recommended as drive system for interior and exterior “monobloc” shutters.

Easy to install
Insert the motor into the tube, connect it to the power supply and it’s ready.
NO ADJUSTMENT REQUIRED.

Specific functions
- Automatic adjustment of the limit switch.
- Protection against freezing and obstacle detection on both directions.
- May be connected either directly or in parallel.
- Direct attachment to the aluminium side without brackets.

APPLICATION

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES45061705</td>
<td>Plastic material</td>
<td>6 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
</tbody>
</table>

TECHNICAL FEATURES

- Motor torque (Nm) 6
- Speed (rpm) 17
- Power (W) 110
- Power supply (V/Hz) 230/50
- Consumption (A) 0.5
- Cable 4 x 0.75 (m) lg. 2.6
- Operating time (min) 4
- Protection degree IP44
- Weight (kg) 1.72*
- L1 (mm) 343
*Including the control unit

LOCKERS COMPONENTS

A hard hangers
Installation is very simple: once the motor is installed into the tube it adjusts itself automatically. For this A and B are necessary.

B visible or hidden stoppers

COMPATIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96

Blue Bus
Allows the central command of different range of motors.
Electronic limit switch with radio and wired control
This motor is recommended as drive system for interior and exterior "monobloc" shutters.

Easy to install
Insert the motor into the tube, connect it to the power supply and it’s ready.

Optional connections
Wired switch.

Specific functions
- Automatic adjustment of the limit switch.
- Protection against freezing and obstacle detection on both directions with drive inversion.
- Possibility to memorize 2 intermediate positions; they can be activated by remote control.
- With closing force adjustment.
- "Super-sensitivity" function on obstacle detection (downwards), set by remote control, to avoid the complete stack of slats.
- Direct attachment to the aluminium side without brackets.

Main Characteristics

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEX45061700</td>
<td>Plastic material</td>
<td>6 Nm</td>
<td>17 rpm</td>
<td>C €</td>
</tr>
</tbody>
</table>

Technical Features

<table>
<thead>
<tr>
<th>Motor torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Power (W)</th>
<th>Power supply (V/Hz)</th>
<th>Radio frequency (MHz)</th>
<th>Consumption (A)</th>
<th>Operating time (min)</th>
<th>Protection degree</th>
<th>Receiver storage capacity (No. Remote controls)</th>
<th>Weight (kg)</th>
<th>L1 (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/17</td>
<td>17</td>
<td>110</td>
<td>230/50</td>
<td>433,92</td>
<td>0,5</td>
<td>19</td>
<td>IP24</td>
<td>15</td>
<td>1,65*</td>
<td>343</td>
</tr>
</tbody>
</table>

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.

Skipper Senso
One-channel remote control with integrated light and temperature sensors. It enables the desired light and temperature levels to be maintained, in summer and winter.

Giro Series
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.

Installation is very simple: once the motor is installed into the tube it adjusts itself automatically. For this A and B are necessary.
**WAVE WIRE Ø45**

the plug&play for awnings

Electronic limit switch with wire control and encoder
EASY TO INSTALL, EASY TO PROGRAM!

Adjustment of the limit switches through control panel
- No need to access the motor head.

DEDICATED BUTTON PANEL NOT REQUIRED!

Specific functions
- “Super-sensitivity” function on obstacle detection (downwards), setting on 3 levels possible [up to 25 Nm].
- With cassette awnings, the motor allows the automatic setting of the closing limit switch (from 32 Nm).
- For other types of awnings it’s possible to set both limit switches manually, through simple sequences on the control panel.
- May be connected either directly or in parallel.

**TECHNICAL FEATURES**

Motor torque (Nm)
- 10
- 15
- 25
- 32
- 40
- 50

Speed (rpm)
- 17
- 17
- 17
- 17
- 17
- 12

Motor head (W)
- 135
- 170
- 225
- 250
- 275
- 275

Motor power supply (V/Hz)
- 230/50
- 230/50
- 230/50
- 230/50
- 230/50
- 230/50

Motor consumption (A)
- 0.6
- 0.8
- 1
- 1.1
- 1.25
- 1.25

Cable length (m)
- 510
- 546
- 586
- 586
- 586
- 586

Operating time (min)
- 4
- 4
- 4
- 4
- 4
- 4

Protection degree
- IP44
- IP44
- IP44
- IP44
- IP44
- IP44

Weight (kg)
- 2.0
- 2.2
- 2.7
- 3.1
- 3.1
- 3.1

**COMPATIBLE SYSTEMS**

For the complete range of compatible systems see “Compatibility Table” on page 96.

**APPLICATION**

- Giro Series remote controls
- TDS Gold radio receiver
- Climatic controls WindTec and WindTec 5C
- Blue Bus

**MAIN CHARACTERISTICS**

- Code
- Head Torque Speed Certification
- AEW45101700 Zama 10 Nm 17 rpm C €
- AEW45151700 Zama 15 Nm 17 rpm C €
- AEW45251700 Zama 25 Nm 17 rpm C €
- AEW45321700 Zama 32 Nm 17 rpm C €
- AEW45401700 Zama 40 Nm 17 rpm C €
- AEW45501200 Zama 50 Nm 12 rpm C €
**SENSO WIRE Ø45**

**ideal for screens and mosquito nets**

Electronic limit switch with wire control and encoder

**EASY TO INSTALL, EASY TO PROGRAM!**

Adjustment of the limit switches through control panel

- No need to access the motor head.

**DEDICATED BUTTON PANEL NOT REQUIRED!**

Specific functions

- “Super-sensitivity” function on obstacle detection (downwards), setting on 3 levels possible.
- May be connected either directly or in parallel.

---

**APPLICATION TECHNOLOGY**

**MAIN CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE045101700</td>
<td>Plastic material</td>
<td>10 Nm</td>
<td>17 rpm</td>
<td>C</td>
</tr>
<tr>
<td>AE045151700</td>
<td>Plastic material</td>
<td>15 Nm</td>
<td>17 rpm</td>
<td>C</td>
</tr>
<tr>
<td>AE045251700</td>
<td>Plastic material</td>
<td>25 Nm</td>
<td>17 rpm</td>
<td>C</td>
</tr>
<tr>
<td>AE045073000</td>
<td>Plastic material</td>
<td>7 Nm</td>
<td>30 rpm</td>
<td>C</td>
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<tr>
<td>AE045153000</td>
<td>Plastic material</td>
<td>15 Nm</td>
<td>30 rpm</td>
<td>C</td>
</tr>
</tbody>
</table>

**TECHNICAL FEATURES**

- Motor torque (Nm): 10, 15, 25, 7, 15
- Speed (rpm): 17, 17, 17, 30, 30
- Power (W): 135, 170, 225, 170, 250
- Consumption (A): 0.6, 0.8, 1, 0.8, 1.1
- Cable 4 x 0.75 (m): lg. 2.5, lg. 2.5, lg. 2.5, lg. 2.5, lg. 2.5
- Operating time (min): 4, 4, 4, 4, 4
- Protection degree: IP44, IP44, IP44, IP44, IP44
- Weight (kg): 2.00, 2.20, 2.70, 2.20, 2.70
- L1 (mm): 510, 546, 586, 546, 586

**COMPATIBLE SYSTEMS**

For the complete range of compatible systems see “Compatibility Table” on page 96.

- **Giro Series remote controls**
  - One-channel, multi-channel, wall-mounted remote controls.
- **TDS Gold radio receiver**
  - This receiver makes it possible to activate mechanical motors automatically.
- **Climatic controls WindTec and WindTec SC**
  - Radio Wind- & Sun sensor (wireless via radio receiver) and Wind sensor (wired).
- **Blue Bus**
  - Allows the central command of different range of motors.

---

**MOTOR WITH WIRE CONTROL**

**BROWN** - ROTATION R1
**BLACK** - ROTATION R2
**BLUE** - NEUTRAL
**YELLOW** - GREEN

---

**SENSO WIRE Ø45**

---

**SENSO WIRE Ø45**

---

**SENSO WIRE Ø45**
TRONIC RX Ø45

Safety and Comfort

Electronic limit switch with built-in receiver (wired)

Simple and intuitive adjustment of the limit switch from the remote control.

The encoder technology makes it possible to keep the position set with optimum precision and reliability.

Safety and simplicity

High-safety coding system “Rolling Code”.

Easy programming and operation: the motor confirms all the steps by means of small rotations.

Specific functions

- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.
- Direct attachment to the aluminium side without brackets (maximum 15 Nm).

Optional connections

Wired switch.

Motor with built-in receiver

Brown - Phase

White - Wired Switch

Blue - Neutral

Yellow - Green

6/17 10/17 15/17 25/17 32/17 40/17 50/12

Motor torque (Nm) 6 10 15 25 32 40 50

Speed (rpm) 17 17 17 17 17 17 17

Power (W) 110 150 170 225 250 275 275

Power supply (V/Hz) 230/50 230/50 230/50 230/50 230/50 230/50 230/50

Radio frequency (MHz) 433,92 433,92 433,92 433,92 433,92 433,92 433,92

Consumption (A) 0,5 0,7 0,8 1 1,1 1,25 1,25

Cable 4 x 0,75 (m) lg. 2,5 lg. 2,5 lg. 2,5 lg. 2,5 lg. 2,5 lg. 2,5 lg. 2,5

Operating time (min) 4 4 4 4 4 4 4

Protection degree IP44 IP44 IP44 IP44 IP44 IP44 IP44

Receiver storage capacity (No. Remote controls) 15 15 15 15 15 15 15

Weight (kg) 2,00 2,30 2,30 2,60 3,20 3,20 3,20

L1 (mm) 16,5 2 60 48 29 8,5 0,25

COMPATIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96.

Skipper Senso

One-channel remote control with integrated light and temperature sensors. It enables the desired light and temperature levels to be maintained, in summer and winter.

Giro Series remote controls

One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter

It gives the possibility of integrating motors to the home automation system via radio.
CLIMA PLUS RX Ø45

for all types of adjustable shutters - both for drop types and for coupling types

Electronic limit switch with built-in receiver (wired)
Setting possible with remote control or wired switch.
Compatible with most home automation systems on the market.

Tilting setting
The 5 programmable tilting options are designed to control all types of shutters with adjustable slats on the market - both drop system and coupling system types.

Specific functions
- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.

Optional connections
Wired switch.

MOTOR WITH BUILT-IN RECEIVER

BROWN - PHASE
WHITE - WIRED SWITCH
BLUE - NEUTRAL
YELLOW - GREEN

CLIMA PLUS RX Ø45

MAIN CHARACTERISTICS

 TECHNICAL FEATURES

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AED45101200</td>
<td>Plastic material</td>
<td>10</td>
<td>12 rpm</td>
<td>C €</td>
</tr>
<tr>
<td>AED45151200</td>
<td>Plastic material</td>
<td>15</td>
<td>12 rpm</td>
<td>C €</td>
</tr>
<tr>
<td>AED45251200</td>
<td>Plastic material</td>
<td>25</td>
<td>12 rpm</td>
<td>C €</td>
</tr>
<tr>
<td>AED45321200</td>
<td>Plastic material</td>
<td>32</td>
<td>12 rpm</td>
<td>C €</td>
</tr>
<tr>
<td>AED45401200</td>
<td>Plastic material</td>
<td>40</td>
<td>12 rpm</td>
<td>C €</td>
</tr>
<tr>
<td>AED45501200</td>
<td>Plastic material</td>
<td>50</td>
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</table>

COMPATIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96

16,5 2 L1

Giro Series remote controls
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.

Blue Bus
Allows the central command of different range of motors.

10/12 15/12 25/12 32/12 40/12 50/12
CLIMA RX Ø45

specific for drop type adjustable shutters

Electronic limit switch with built-in receiver (wired)
Setting possible with remote control or wired switch. Compatible with most home automation systems on the market.

Tilting setting
The tilting of drop type adjustable shutters can be easily programmed with one of the 3 available options.

Specific functions
- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.

Optional connections
Wired switch.

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
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<tr>
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TECHNICAL FEATURES

<table>
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<th>Motor torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Power (W)</th>
<th>Power supply (V/Hz)</th>
<th>Radio frequency (MHz)</th>
<th>Consumption (A)</th>
<th>Cable 4 x 0.75 (m)</th>
<th>Operating time (min)</th>
<th>Protection degree</th>
<th>Receiver storage capacity (No. Remote controls)</th>
<th>Weight (kg)</th>
<th>L1 (mm)</th>
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</table>

COMPATIBLE SYSTEMS

For the complete range of compatible systems see "Compatibility Table" on page 96.

Giro Series remote controls
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.

Blue Bus
Allows the central command of different range of motors.
**WAVE RX Ø45**

the motor for all awning types

**Electronic limit switch with built-in receiver (wired)**

**Attachment without brackets**

Thanks to the metallic head, the motor can be fastened directly to the bracket.

**Adjustment of the closing force.**

The possibility to adjust the applied force ensures the perfect closing of the cassette awnings and avoids the danger of over-stretching the awning fabric.

**Specific functions**

- Function “Super-sensitivity” on obstacle detection, set by remote control, setting on 3 levels possible (only for 10-15-25 Nm).
- Obstacle detection up-wards, sensitivity setting on 3 levels possible.
- Mechanical stop during closing.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

**Optional connections**

Wired switch. Connection to WindTec, Mistral and Rugiada climatic controls via radio.

**Main Characteristics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AET45101700</td>
<td>Zama</td>
<td>10</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>AET45151700</td>
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<td>AET45251700</td>
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<td>17</td>
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<tr>
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<td>17</td>
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</tr>
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**Technical Features**

<table>
<thead>
<tr>
<th>Motor torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Power supply (V/Hz)</th>
<th>Radio frequency (MHz)</th>
<th>Consumption (A)</th>
<th>Cable 4 x 0,75 (m)</th>
<th>L1 (mm)</th>
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</thead>
<tbody>
<tr>
<td>10</td>
<td>17</td>
<td>230/50</td>
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<td>4,5</td>
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<td>1</td>
<td>4,5</td>
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<td>230/50</td>
<td>433,92</td>
<td>1,1</td>
<td>4,5</td>
<td>586</td>
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<tr>
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<td>1,25</td>
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<td>50</td>
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<td>4,5</td>
<td>586</td>
</tr>
</tbody>
</table>

**Compatibility Systems**

For the complete range of compatible systems see "Compatibility Table" on page 96

**Functions for pergolas and verandas**

- **Pitched pergolas**
  - On pitched pergolas the motor stops automatically when the fabric reaches its point of greatest extension: performing a remote control sequence is sufficient to program the limit switches. From that moment onwards each time the motor reaches the opening limit switch position, it stops so that it keeps the awning fabric taut.

- **Pergolas and horizontal awnings**
  - For pergolas and horizontal awnings it is possible to activate the Fabric Tightening function: the motor, after reaching the outer limit, automatically performs a short backwards turn to tighten the fabric.

**Giro Series remote controls**

One-channel, multi-channel, wall-mounted remote controls.

**Rugiada TX Radio Rain-sensor**

Rain-sensor wireless set on Cherubini Domotic transmitter.

**Climatic controls WindTec and Mistral**

Wind-sensor, Wind- & Sun-sensor and wireless vibrating Wind-sensor.
WAVE RX V25 Ø45
the ideal motor for pergola awnings with automatic coupling

Electronic limit switch with built-in receiver (wired)
The V25 version was created to be adapted with great flexibility to all horizontal or vertical awnings equipped with automatic coupling. Electronic programming of the coupling excursion and stretching force ensure consistent operation over time.

Attachment without brackets
Thanks to the metallic head, the motor can be fastened directly to the bracket.

Specific functions
- Function “Super-sensitivity” on obstacle detection, set by remote control, setting on 3 levels possible (only for 10-15-25 Nm).
- Obstacle detection up-wards, sensitivity setting on 3 levels possible.
- Automatic programmable awning coupling and uncoupling system.
- Mechanical stop during closing.
- Setting possible with remote control or wired switch.

Optional connections
Wired switch.
Connection to WindTec, Mistral and Rugiada climatic controls via radio.

Main characteristics

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
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Technical features

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<tr>
<th>Motor torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Power (W)</th>
<th>Power supply (V/Hz)</th>
<th>Radio frequency (MHz)</th>
<th>Consumption (A)</th>
<th>Cable 4 x 0.75 (m)</th>
<th>Operating time (min)</th>
<th>Protection degree</th>
<th>Receiver storage capacity (No. Remote controls)</th>
<th>Weight (kg)</th>
<th>L1 (mm)</th>
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<td>lg. 4,5</td>
<td>IP44</td>
<td>15</td>
<td>3,25</td>
<td>586</td>
</tr>
</tbody>
</table>

Optional connections

Wired switch.
Connection to WindTec, Mistral and Rugiada climatic controls via radio.

Automatic coupling awnings

Motor with built-in receiver

Brown - Phase
White - Wired switch
Blue - Neutral
Yellow - Green

Compatible systems
For the complete range of compatible systems see “Compatibility Table” on page 96.

Application technology

For the complete range of compatible systems see “Compatibility Table” on page 96.
**SENSO RX Ø45**

*specific for screens*

Electronic limit switch with built-in receiver (wired)

**Safety and simplicity**

Easy programming and operation: the motor confirms all the steps by means of small rotations.

**Specific functions**

- Function “Super-sensitivity” on obstacle detection, set by remote control, setting on 3 levels possible.
- Obstacle detection up-wards, sensitivity setting on 3 levels possible.
- Mechanical stop during closing.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

**Optional connections**

Connection to WindTec and Rugiada climatic controls via radio.

---

**TECHNICAL FEATURES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
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**MAIN CHARACTERISTICS**

**COMPUTABLE SYSTEMS**

For the complete range of compatible systems see “Compatibility Table” on page 96.

**APPLICATION TECHNOLOGY**

**MOTOR WITH BUILT-IN RECEIVER**

- Brown - Phase
- White - Wired Switch
- Blue - Neutral
- Yellow - Green

---

**Giro Series remote controls**

One-channel, multi-channel, wall-mounted remote controls.

**Rugiada TX Radio Rain-sensor**

Rain-sensor wireless set on Cherubini Domotic transmitter.

**Climatic controls WindTec**

Wind and sun/wind sensors with connection to the motor via radio (wireless).
Mechanical limit switch
Reliable and easy adjustment of the limit switches.

Strength and safety
The star-shaped metallic reducer pin makes the motor highly reliable.

Attachment without brackets
The motor can be fastened directly to the bracket without needing additional brackets.

GARDA Ø58

**MAIN CHARACTERISTICS**

<table>
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<th>Code</th>
<th>Head</th>
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<th>Speed</th>
<th>Certification</th>
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</thead>
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</tr>
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<td>AME58081700</td>
<td>Zama</td>
<td>85 Nm</td>
<td>17 rpm</td>
<td></td>
</tr>
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<td>AME58101100</td>
<td>Zama</td>
<td>100 Nm</td>
<td>11 rpm</td>
<td></td>
</tr>
<tr>
<td>AME58121100</td>
<td>Zama</td>
<td>120 Nm</td>
<td>11 rpm</td>
<td></td>
</tr>
<tr>
<td>AME58027500</td>
<td>Zama</td>
<td>20 Nm</td>
<td>75 rpm</td>
<td></td>
</tr>
<tr>
<td>AME58043200</td>
<td>Zama</td>
<td>40 Nm</td>
<td>32 rpm</td>
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</tr>
</tbody>
</table>

**TECHNICAL FEATURES**

- Motor torque (Nm): 65, 85, 100, 120, 20, 40
- Speed (rpm): 17, 17, 11, 11, 75, 32
- Mechanical limit switch*: 25, 25, 25, 25, 37, 37
- Consumption (A): 1.5, 1.7, 1.6, 1.9, 1.6, 1.6
- Power supply (V/Hz): 230/50, 230/50, 230/50, 230/50
- Power (W): 330, 375, 360, 415, 360, 360
- Cable**: 4 x 0.75 (m): lg. 2.5, lg. 2.5, lg. 2.5, lg. 2.5, lg. 2.5, lg. 2.5
- Operating time (min): 444444
- Protection degree: IP44, IP44, IP44, IP44, IP44, IP44
- Weight (kg): 5.70, 5.70, 5.70, 5.70, 5.70, 5.70
- L1 (mm): 646, 646, 646, 646, 646, 646

* Upon request, available with 37 turns before stop
** Possibility of cable with Hirschmann STAS 3.

**COMPATIBLE SYSTEMS**

For the complete range of compatible systems see "Compatibility Table" on page 96.

**APPLICATION TECHNOLOGY**

- ** APPLICATION **
  - Radio receivers for awnings
  - Radio receivers for rolling shutters
- ** TECHNOLOGY **
  - Climatic controls WindTec and WindTec SC
  - Radio Wind & Sun sensor (wireless via radio receiver) and Wind sensor (wired).
**Mechanical limit switch**
Reliable and easy adjustment of the limit switches. Double access to the adjusting screws.

**Strength and safety**
The star-shaped metallic reducer pin makes the motor highly reliable.

**Attachment without brackets**
The motor can be fastened directly to the bracket without needing additional brackets.

**Compact override**
Thanks to its small size, this device can be installed in limited spaces. The reduction ratio is 1:55.

**Main Characteristics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
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<td>Zama</td>
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</tr>
<tr>
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**Technical Features**

<table>
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<tr>
<th>Motor torque (Nm)</th>
<th>65</th>
<th>85</th>
<th>100</th>
<th>120</th>
<th>20/75</th>
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</thead>
<tbody>
<tr>
<td>Speed (rpm)</td>
<td>17</td>
<td>17</td>
<td>11</td>
<td>11</td>
<td>75</td>
</tr>
<tr>
<td>Mechanical limit switch</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td>Power (W)</td>
<td>330</td>
<td>375</td>
<td>360</td>
<td>415</td>
<td>360</td>
</tr>
<tr>
<td>Power supply (V/Hz)</td>
<td>230/50</td>
<td>230/50</td>
<td>230/50</td>
<td>230/50</td>
<td>230/50</td>
</tr>
<tr>
<td>Consumption (A)</td>
<td>1,5</td>
<td>1,7</td>
<td>1,6</td>
<td>1,6</td>
<td>1,6</td>
</tr>
<tr>
<td>Operating time (min)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Protection degree</td>
<td>IP44</td>
<td>IP44</td>
<td>IP44</td>
<td>IP44</td>
<td>IP44</td>
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<tr>
<td>Weight (kg)</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>L1 (mm)</td>
<td>703</td>
<td>703</td>
<td>703</td>
<td>703</td>
<td>703</td>
</tr>
</tbody>
</table>

*Possibility of cable with Hirschmann STAS 3

**Accessories for Manual Operation**

- Foldable crank with hook length 150 cm Ref. T643 1500 2101
- Operating crank length 150 cm Ref. 9100 150L CH02
- Eye with hexagon 7 x 86 mm Ref. 6010 7008 CH16

**Compatibility Systems**
For the complete range of compatible systems see “Compatibility Table” on page 96

**Automation of the Motor with Manual Override Device**
Ocean combined with TDS Compact and Compact Roll radio receivers becomes a radio controlled motor and takes on new functions.

- Obstacle recognition during closing.
- Closing force adjustment on 3 levels possible.
- First intermediate position programmable from the remote control.
- Second intermediate position programmable from the remote control and controlled by the WindTec Lux light sensor.

Moving the override, the end positions remain unchanged.
**WAVE WIRE Ø58**

**the plug&play for awnings**

Electronic limit switch with wire control and encoder

**EASY TO INSTALL, EASY TO PROGRAM!**
- With cassette awnings, the motor allows the automatic setting of the closing limit switch.
- For other types of awnings it’s possible to set both limit switches manually, through simple sequences on the control panel.
- Adjustment of the limit switches through control panel: no need to access the motor head.
- **DEDICATED BUTTON PANEL NOT REQUIRED!**

Specific functions
- May be connected either directly or in parallel.

---

### APPLICATION

<table>
<thead>
<tr>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zama</td>
<td>65 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>Zama</td>
<td>85 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>Zama</td>
<td>100 Nm</td>
<td>11 rpm</td>
<td>€</td>
</tr>
<tr>
<td>Zama</td>
<td>120 Nm</td>
<td>11 rpm</td>
<td>€</td>
</tr>
</tbody>
</table>

### TECHNOLOGY

**Code**
- AEW58061700
- AEW58081700
- AEW58101100
- AEW58121100

**Motor Torque (Nm)**
- 65
- 85
- 100
- 120

**Speed (rpm)**
- 17
- 17
- 11
- 11

**Power Supply (V/Hz)**
- 230/50
- 230/50
- 230/50
- 230/50

**Consumption (A)**
- 1.5
- 1.7
- 1.6
- 1.9

**Operation Time (min)**
- 4
- 4
- 4
- 4

**Protection Degree**
- IP44
- IP44
- IP44
- IP44

**Weight (kg)**
- 5.90
- 5.90
- 5.90
- 5.90

**L1 (mm)**
- 646
- 646
- 646
- 646

---

### TECHNICAL FEATURES

<table>
<thead>
<tr>
<th>65/17</th>
<th>85/17</th>
<th>100/11</th>
<th>120/11</th>
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<tr>
<td>65</td>
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<td>120</td>
</tr>
<tr>
<td>17</td>
<td>17</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>1.5</td>
<td>1.7</td>
<td>1.6</td>
<td>1.9</td>
</tr>
</tbody>
</table>

### COMPATIBLE SYSTEMS

**Giro Series remote controls**
One-channel, multi-channel, wall-mounted remote controls.

**TDS Gold radio receiver**
This receiver makes it possible to activate mechanical motors automatically.

**Climatic controls WindTec and WindTec SC**
Radio Wind- & Sun sensor (wireless via radio receiver) and Wind sensor (wired).

**Blue Bus**
Allows the central command of different range of motors.

---
TRONIC RX Ø58

safety and comfort

Electronic limit switch with built-in receiver (wired)
Simple and intuitive adjustment of the limit switch from the remote control.
The encoder technology makes it possible to keep the position set with optimum precision and reliability.

Safety and simplicity
High-safety coding system “Rolling Code”. Easy programming and operation: the motor confirms all the steps by means of small rotations.

Specific functions
- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

Optional connections
Wired switch.

TRONIC RX Ø58

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER58061700</td>
<td>Zama</td>
<td>65 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AER58081700</td>
<td>Zama</td>
<td>85 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AER58101100</td>
<td>Zama</td>
<td>100 Nm</td>
<td>11 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AER58121100</td>
<td>Zama</td>
<td>120 Nm</td>
<td>11 rpm</td>
<td>€</td>
</tr>
</tbody>
</table>

TECHNICAL FEATURES

- Motor torque (Nm)
- Speed (rpm)
- Power (W)
- Power supply (V/Hz)
- Radio frequency (MHz)
- Consumption (W)
- Cable 4 x 0.75 (m)
- Operating time (min)
- Protection degree
- Receiver storage capacity (No. Remote controls)
- Weight (kg)
- L1 (mm)

COMPLAINTIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96.

Giro Series remote controls
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.

BROWN - PHASE
WHITE - WIRED SWITCH
BLUE - NEUTRAL
YELLOW - GREEN

COMPATIBILITY TABLE

65/17 85/17 100/11 120/11
65 85 100 120
17 17 11 11
330 375 340 415
230/50 230/50 230/50 230/50
433,92 433,92 433,92 433,92
1,5 1,7 1,6 1,9
lg. 2,5 lg. 2,5 lg. 2,5 lg. 2,5
4 4 4 4
IP44 IP44 IP44 IP44
15 15 15 15
5,90 5,90 5,90 5,90
646 646 646 646

TRUNIC RX Ø58

safety and comfort

Electronic limit switch with built-in receiver (wired)
Simple and intuitive adjustment of the limit switch from the remote control.
The encoder technology makes it possible to keep the position set with optimum precision and reliability.

Safety and simplicity
High-safety coding system “Rolling Code”. Easy programming and operation: the motor confirms all the steps by means of small rotations.

Specific functions
- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

Optional connections
Wired switch.

TRONIC RX Ø58

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AER58061700</td>
<td>Zama</td>
<td>65 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AER58081700</td>
<td>Zama</td>
<td>85 Nm</td>
<td>17 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AER58101100</td>
<td>Zama</td>
<td>100 Nm</td>
<td>11 rpm</td>
<td>€</td>
</tr>
<tr>
<td>AER58121100</td>
<td>Zama</td>
<td>120 Nm</td>
<td>11 rpm</td>
<td>€</td>
</tr>
</tbody>
</table>

TECHNICAL FEATURES

- Motor torque (Nm)
- Speed (rpm)
- Power (W)
- Power supply (V/Hz)
- Radio frequency (MHz)
- Consumption (W)
- Cable 4 x 0.75 (m)
- Operating time (min)
- Protection degree
- Receiver storage capacity (No. Remote controls)
- Weight (kg)
- L1 (mm)

COMPLAINTIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96.

Giro Series remote controls
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.

BROWN - PHASE
WHITE - WIRED SWITCH
BLUE - NEUTRAL
YELLOW - GREEN

COMPATIBILITY TABLE

65/17 85/17 100/11 120/11
65 85 100 120
17 17 11 11
330 375 340 415
230/50 230/50 230/50 230/50
433,92 433,92 433,92 433,92
1,5 1,7 1,6 1,9
lg. 2,5 lg. 2,5 lg. 2,5 lg. 2,5
4 4 4 4
IP44 IP44 IP44 IP44
15 15 15 15
5,90 5,90 5,90 5,90
646 646 646 646

TRUNIC RX Ø58

safety and comfort

Electronic limit switch with built-in receiver (wired)
Simple and intuitive adjustment of the limit switch from the remote control.
The encoder technology makes it possible to keep the position set with optimum precision and reliability.

Safety and simplicity
High-safety coding system “Rolling Code”. Easy programming and operation: the motor confirms all the steps by means of small rotations.

Specific functions
- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

Optional connections
Wired switch.
CLIMA PLUS RX Ø58
for all types of adjustable shutters - both for drop types and for coupling types

Electronic limit switch with built-in receiver (wired)
Setting possible with remote control or wired switch.
Compatible with most home automation systems on the market.

Tilting setting
The 5 programmable tilting options are designed to control all types of shutters with adjustable slats on the market - both drop system and coupling system types.

Specific functions
- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.

Optional connections
Wired switch.

MOTOR WITH BUILT-IN RECEIVER
BROWN - PHASE
WHITE - WIRED SWITCH
BLUE - NEUTRAL
YELLOW - GREEN

CLIMA PLUS RX Ø58
APPLICATION

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AED58081200</td>
<td>Zama</td>
<td>85</td>
<td>12</td>
<td>€</td>
</tr>
<tr>
<td>AED58101100</td>
<td>Zama</td>
<td>100</td>
<td>11</td>
<td>€</td>
</tr>
<tr>
<td>AED58121100</td>
<td>Zama</td>
<td>120</td>
<td>11</td>
<td>€</td>
</tr>
</tbody>
</table>

TECHNICAL FEATURES

<table>
<thead>
<tr>
<th>Code</th>
<th>85/12</th>
<th>100/11</th>
<th>120/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor torque (Nm)</td>
<td>85</td>
<td>100</td>
<td>120</td>
</tr>
<tr>
<td>Speed (rpm)</td>
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<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Power (W)</td>
<td>330</td>
<td>360</td>
<td>415</td>
</tr>
<tr>
<td>Power supply (V/Hz)</td>
<td>230/50</td>
<td>230/50</td>
<td>230/50</td>
</tr>
<tr>
<td>Radio frequency (MHz)</td>
<td>433,92</td>
<td>433,92</td>
<td>433,92</td>
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<tr>
<td>Consumption (A)</td>
<td>1,5</td>
<td>1,6</td>
<td>1,9</td>
</tr>
<tr>
<td>Cable 4 x 0,75 (m)</td>
<td>lg. 2,5</td>
<td>lg. 2,5</td>
<td>lg. 2,5</td>
</tr>
<tr>
<td>Operating time (min)</td>
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<td>4</td>
<td>4</td>
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<tr>
<td>Protection degree</td>
<td>IP44</td>
<td>IP44</td>
<td>IP44</td>
</tr>
<tr>
<td>Receiver storage capacity (No. Remote controls)</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Weight (kg)</td>
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<td>5,90</td>
<td>5,90</td>
</tr>
<tr>
<td>L1 (mm)</td>
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<td>646</td>
<td>646</td>
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</tbody>
</table>

COMPATIBLE SYSTEMS

For the complete range of compatible systems see “Compatibility Table” on page 96

Giro Series remote controls
One-channel, multi-channel, wall-mounted remote controls.

Domotic Transmitter
It gives the possibility of integrate motors to the home automation system via radio.
**CLIMA RX Ø58**

**specific for drop type adjustable shutters**

Electronic limit switch with built-in receiver (wired)

Setting possible with remote control or wired switch. Compatible with most home automation systems on the market.

**Tilting setting**

The tilting of drop type adjustable shutters can be easily programmed with one of the 3 available options.

**Specific functions**

- Manual and semi-automatic adjustment of the limit switch.
- Obstacle detection on both directions, sensitivity setting on 3 levels possible.
- Possibility of memorizing an intermediate position.

**Optional connections**

Wired switch.

**CLIMA RX Ø58**

**MAIN CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC58081200</td>
<td>Zama</td>
<td>85</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>AEC58101100</td>
<td>Zama</td>
<td>100</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>AEC58121100</td>
<td>Zama</td>
<td>120</td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

**TECHNICAL FEATURES**

- 85/12
  - Motor torque (Nm): 85
  - Speed (rpm): 12
  - Torque (Nm): 12
  - Power (W): 330
  - Power supply (V/Hz): 230/50
  - Radio frequency (MHz): 433,92
  - Consumption (A): 1,5
  - Cable 4 x 0,75 (m): lg. 2,5
  - Operating time (min): 4
  - Protection degree: IP44
  - Receiver storage capacity: 15
  - Weight (kg): 5,90
  - L1 (mm): 646

- 100/11
  - Motor torque (Nm): 100
  - Speed (rpm): 11
  - Torque (Nm): 11
  - Power (W): 360
  - Power supply (V/Hz): 230/50
  - Radio frequency (MHz): 433,92
  - Consumption (A): 1,6
  - Cable 4 x 0,75 (m): lg. 2,5
  - Operating time (min): 4
  - Protection degree: IP44
  - Receiver storage capacity: 15
  - Weight (kg): 5,90
  - L1 (mm): 646

- 120/11
  - Motor torque (Nm): 120
  - Speed (rpm): 11
  - Torque (Nm): 11
  - Power (W): 415
  - Power supply (V/Hz): 230/50
  - Radio frequency (MHz): 433,92
  - Consumption (A): 1,7
  - Cable 4 x 0,75 (m): lg. 2,5
  - Operating time (min): 4
  - Protection degree: IP44
  - Receiver storage capacity: 15
  - Weight (kg): 5,90
  - L1 (mm): 646

**COMPATIBLE SYSTEMS**

For the complete range of compatible systems see “Compatibility Table” on page 96.

**Giro Series remote controls**

One-channel, multi-channel, wall-mounted remote controls.

**Domotic Transmitter**

It gives the possibility of integrate motors to the home automation system via radio.
**WAVE RX Ø58**

the motor for all awning types

Electronic limit switch with built-in receiver (wired)

**Attachment without brackets**

Thanks to the metallic head, the motor can be fastened directly to the bracket.

**Adjustment of the closing force.**

The possibility to adjust the applied force ensures the perfect closing of the cassette awnings and avoids the danger of overstretched the awning fabric.

**Specific functions**

- Obstacle detection up-wards, sensitivity setting on 3 levels possible.
- Mechanical stop during closing.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

**Optional connections**

Wired switch.

Connection to WindTec, Mistral and Rugiada climatic controls via radio.

**FUNCTIONS FOR PERGOLAS AND VERANDAS**

**Pitched pergolas**

On pitched pergolas the motor stops automatically when the fabric reaches its point of greatest extension; performing a remote control sequence is sufficient to program the limit switches. From that moment onwards each time the motor reaches the opening limit switch position, it stops so that it keeps the awning fabric taut.

**Pergolas and horizontal awnings**

For pergolas and horizontal awnings it is possible to activate the Fabric Tightening function: the motor, after reaching the outer limit, automatically performs a short backwards turn to tighten the fabric.

---

**MAIN CHARACTERISTICS**

**TECHNICAL FEATURES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
<th>Torque (Nm)</th>
<th>Speed (rpm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>AET58061700</td>
<td>Zama</td>
<td>65</td>
<td>17</td>
<td>€</td>
</tr>
<tr>
<td>AET58081700</td>
<td>Zama</td>
<td>85</td>
<td>17</td>
<td>€</td>
</tr>
<tr>
<td>AET58101100</td>
<td>Zama</td>
<td>100</td>
<td>11</td>
<td>€</td>
</tr>
<tr>
<td>AET58121100</td>
<td>Zama</td>
<td>120</td>
<td>11</td>
<td>€</td>
</tr>
<tr>
<td>AET58027500</td>
<td>Zama</td>
<td>20</td>
<td>75</td>
<td>€</td>
</tr>
<tr>
<td>AET58043200</td>
<td>Zama</td>
<td>40</td>
<td>32</td>
<td>€</td>
</tr>
</tbody>
</table>

**WAVE RX Ø58**

**APPLICATION TECHNOLOGY**

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giro Series remote controls</td>
<td>One channel, multi-channel, wall-mounted remote controls.</td>
</tr>
<tr>
<td>Rugiada TX Radio Rain-sensor</td>
<td>Rain-sensor wireless set on Cherubini Domatic transmitter.</td>
</tr>
<tr>
<td>Climatic controls WindTec and Mistral</td>
<td>Wind-sensor, Wind- &amp; Sun-sensor and wireless vibrating Wind-sensor.</td>
</tr>
</tbody>
</table>
WAVE RX V25 Ø58

the motor for automatic coupling awnings

Electronic limit switch with built-in receiver (wired)
The V25 version was created to be adapted with great flexibility to all horizontal or vertical awnings equipped with automatic coupling. Electronic programming of the coupling excursion and stretching force ensure consistent operation over time.

Attachment without brackets
Thanks to the metallic head, the motor can be fastened directly to the bracket.

Specific functions
- Automatic programmable awning coupling and uncoupling system.
- Obstacle detection up-wards, sensitivity setting on 3 levels possible.
- Mechanical stop during closing.
- Possibility of memorizing an intermediate position.
- Setting possible with remote control or wired switch.

Optional connections
Wired switch.
Connection to WindTec, Mistral and Rugiada climatic controls via radio.

Motor with built-in receiver

<table>
<thead>
<tr>
<th>Color</th>
<th>Code Head</th>
<th>Torque</th>
<th>Speed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown</td>
<td>AET58061725</td>
<td>Zama 65 Nm</td>
<td>17 rpm</td>
<td>€€</td>
</tr>
<tr>
<td>White</td>
<td>AET58081725</td>
<td>Zama 85 Nm</td>
<td>17 rpm</td>
<td>€€</td>
</tr>
<tr>
<td>Blue</td>
<td>AET58101125</td>
<td>Zama 100 Nm</td>
<td>11 rpm</td>
<td>€€</td>
</tr>
<tr>
<td>Yellow</td>
<td>AET58121125</td>
<td>Zama 120 Nm</td>
<td>11 rpm</td>
<td>€€</td>
</tr>
</tbody>
</table>

Motor torque (Nm) | Speed (rpm) | Power (W) | Power supply (V/Hz) | Radio frequency (MHz) | Consumption (A) | Cable 4 x 0.75 (m) | Operating time (min) | Protection degree | Receiver storage capacity (No. Remote controls) | Weight (kg) | L1 (mm) |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>65 Nm</td>
<td>17 rpm</td>
<td>330</td>
<td>230/50</td>
<td>433,92</td>
<td>1,5</td>
<td>lg. 4,5</td>
<td>4</td>
<td></td>
<td>15</td>
<td>6,10</td>
<td>646</td>
</tr>
<tr>
<td>85 Nm</td>
<td>17 rpm</td>
<td>375</td>
<td>230/50</td>
<td>433,92</td>
<td>1,7</td>
<td>lg. 4,5</td>
<td>4</td>
<td></td>
<td>15</td>
<td>6,10</td>
<td>646</td>
</tr>
<tr>
<td>100 Nm</td>
<td>11 rpm</td>
<td>340</td>
<td>230/50</td>
<td>433,92</td>
<td>1,6</td>
<td>lg. 4,5</td>
<td>4</td>
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<td>6,10</td>
<td>646</td>
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<tr>
<td>120 Nm</td>
<td>11 rpm</td>
<td>415</td>
<td>230/50</td>
<td>433,92</td>
<td>1,9</td>
<td>lg. 4,5</td>
<td>4</td>
<td></td>
<td>15</td>
<td>6,10</td>
<td>646</td>
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</tbody>
</table>

Technological and mechanical characteristics

- Electronic limit switch with built-in receiver (wired).
- Motor torque (Nm) 65, 85, 100, 120.
- Speed (rpm) 17, 17, 11, 11.
- Power (W) 330, 375, 340, 415.
- Power supply (V/Hz) 230/50.
- Radio frequency (MHz) 433,92.
- Consumption (A) 1,5, 1,7, 1,6, 1,9.
- Cable 4 x 0.75 (m) lg. 4,5.
- Operating time (min) 4.
- Protection degree.
- Receiver storage capacity.
- Weight (kg) 6,10.
- L1 (mm) 646.

Automotive awnings

WAVE RX V25 Ø58

Main characteristics

- Code
- Head
- Torque
- Speed
- Certification

65/17 | 85/17 | 100/11 | 120/11
65 | 85 | 100 | 120
17 | 17 | 11 | 11
330 | 375 | 340 | 415
230/50 | 230/50 | 230/50 | 230/50
433,92 | 433,92 | 433,92 | 433,92
1,5 | 1,7 | 1,6 | 1,9
lg. 4,5 | lg. 4,5 | lg. 4,5 | lg. 4,5
4 | 4 | 4 | 4
IP44 | IP44 | IP44 | IP44
15 | 15 | 15 | 15
6,10 | 6,10 | 6,10 | 6,10
646 | 646 | 646 | 646

Compatible systems

- One-channel, multi-channel, wall-mounted remote controls.
- Rain-sensor wireless set on Cherubini Domotic transmitter.
- Wind-sensor, Wind- & Sun-sensor and wireless vibrating Wind-sensor.

For the complete range of compatible systems see “Compatibility Table” on page 96.
## FAST MOTORS

<table>
<thead>
<tr>
<th>Code</th>
<th>Torque</th>
<th>Speed</th>
<th>Weight (Kg)</th>
<th>L1 (mm)</th>
<th>Certification</th>
<th>For details</th>
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