

Huzhou Atour Hotel -Hotel Project  
Intelligent Curtain System



**Soft / Supper Quiet**  
Noise Is Lower To 30db

Supper quiet , lower to 30Db with 3 patent technique;  
Advanced intelligent design,like the elevator,can soft  
start and soft stop,  
and realize the quiet running.



**Adjustable Speed**

The speed of curtain motor  
is adjustable for variant  
conditions.



**Manual Pull**

Mechanical clutch structure is helpful to realize the  
MANUAL PULL fuction when power outage.



**Hand-pull Start**

In the case of electricity, pull the curtain to one directly  
within 5cm, the curtain will automatically open or close.



**Obstacle stop**

The curtain will stop at once when it meet  
obstacle in order to protect the whole system.



**Setting The Distance Automatically**

Setting the distance automatically . Easily  
remember and reserve the best stop position.  
Effectively avoid the noise and damage of  
the collision. Extend the life of whole system.

The memory of the motor will be clear up  
after the power outage.



**Multiple Control Mode**

On the basis of customer demand, consumer  
can choose the following methods , wireless  
remote control, wired switch.



**Self-correction Of Curtain Bounce**

When the curtain is in the state of press or  
bounce ,motor will self-correction and  
recognize this location as the stop position.

# CURTAIN SYSTEM



Soft  
Supper Quiet



Hand-pull Start



Manual Pull



Obstacle Stop



Setting The Distance  
Automatically



Self-correction Of  
Curtain Bounce



Multiple Control Mode



Adjustable Speed



# CURTAIN MOTOR



## Parameters

Type	Rated Torque	Speed	Dimension	Rated Voltage	Rated Power	Protection level
K01	1N.m	17-20cm/s	227(L)*80(W)*55(H)	AC100-240V 50/60Hz	80W	IP20

# CURTAIN TRACK

## TRACK



Jilise Trace

## Curtain System Load View

### Single Motor

1N.m

Track & open direction	Weight of curtain	Length of track	1N.m		
			4m	8m	12m
single motor opposite direction			60kg	55kg	50kg
single motor single direction			50kg	45kg	40kg
single motor opposite direction			45kg	40kg	35kg
single motor single direction			40kg	35kg	30kg
single motor opposite direction			35kg	30kg	25kg
single motor single direction			30kg	25kg	20kg
single motor opposite direction			31kg	21kg	-
single motor single direction			21kg	16kg	-

### Double Motors

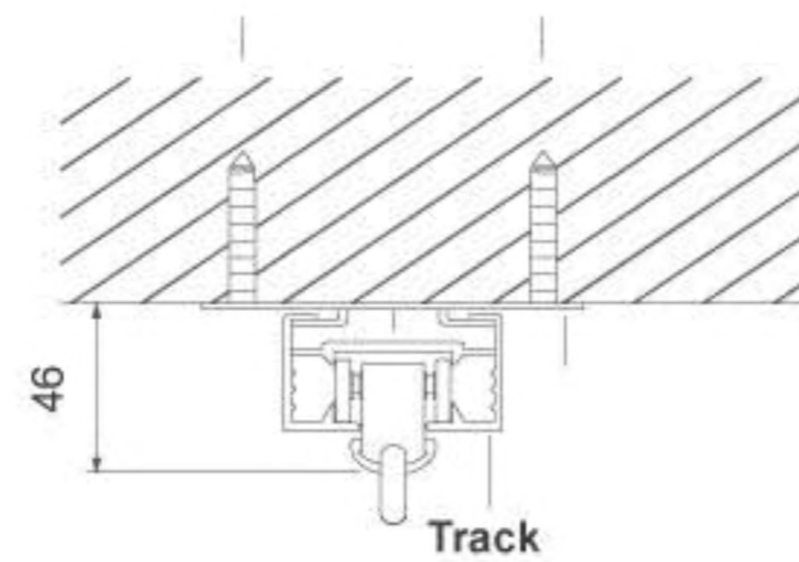
1N.m

Track & open direction	Weight of curtain	Length of track	1N.m	
			12m	
Double motor opposite direction			90kg	
Double motor single direction			70kg	
Double motor opposite direction			60kg	
Double motor single direction			50kg	
Double motor opposite direction			40kg	
Double motor single direction			30kg	
Double motor opposite direction			30kg	
Double motor single direction			23kg	

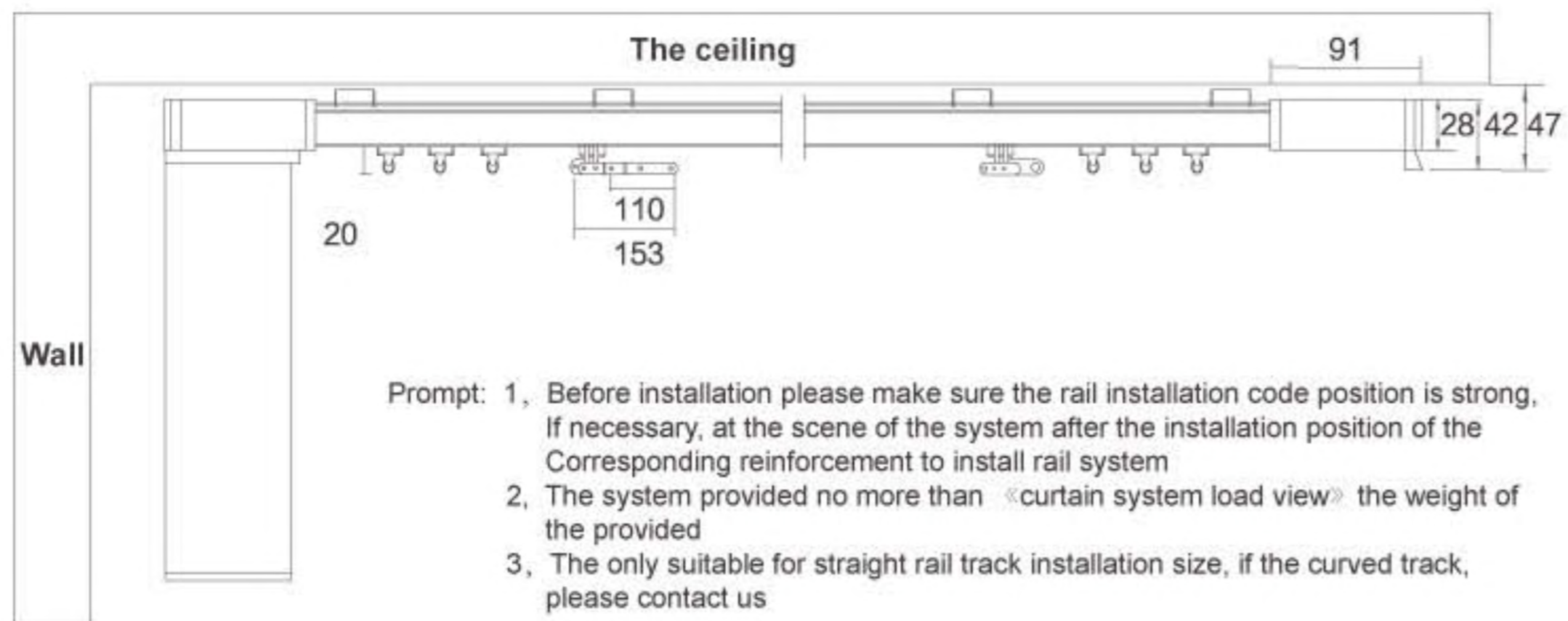
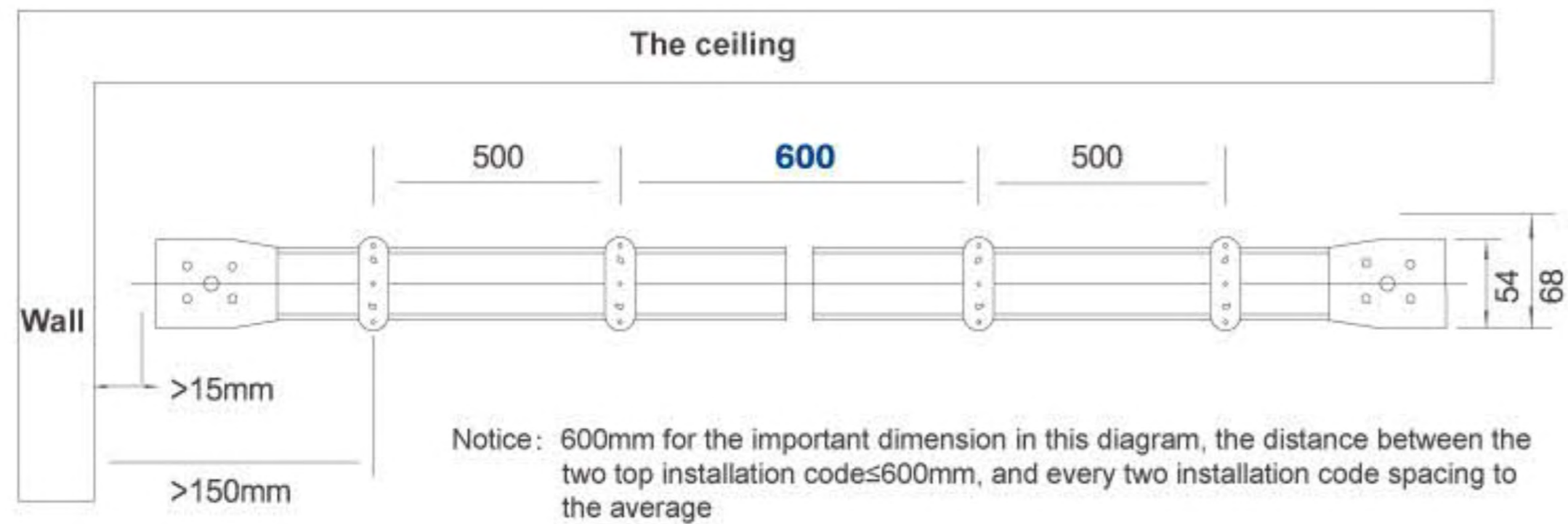
curtain weight= unit area curtain weight (kg/m<sup>2</sup>) \* coverage area of curtain(m)<sup>2</sup> \* wrinkle rate  
Note: Exclude the force of friction between the curtain and track.

# CURTAIN SYSTEM

## INSTALLATION DIAGRAM



Top mounted



# CURTAIN SYSTEM TRANSMITTER



### EW701-KHL

#### Product Features

The series of products have stable performance, outstanding durable, elegant appearance. Suitable for multi-applications, strong adaptability.

Frequency:433.92MHz  
 Control: 1 Channel  
 Encode:Rolling Code  
 Power:  $\leq 10$ mW  
 Power Supply:3Vdc  
 Battery Model:CR2430  
 Working Temp.: $-10^{\circ}$  C $\sim$  $+50^{\circ}$  C  
 Class: IP30  
 Dimension: 80 x 80 x 16mm



### EW702-KHL

#### Product Features

The series of products have stable performance, outstanding durable, elegant appearance. Suitable for multi-applications, strong adaptability.

Frequency:433.92MHz  
 Control: 2 Channel  
 Encode:Rolling Code  
 Power:  $\leq 10$ mW  
 Power Supply:3Vdc  
 Battery Model:CR2430  
 Working Temp.: $-10^{\circ}$  C $\sim$  $+50^{\circ}$  C  
 Class: IP30  
 Dimension: 80 x 80 x 16mm



### EH801-KHL

#### Product Features

The series of products have stable performance, outstanding durable, elegant appearance. Suitable for multi-applications, strong adaptability.

Frequency:433.92MHz  
 Control: 1 Channel  
 Encode:Rolling Code  
 Power:  $\leq 10$ mW  
 Power Supply:3Vdc  
 Battery Model:CR2450  
 Working Temp.: $-10^{\circ}$  C $\sim$  $+50^{\circ}$  C  
 Class: IP30  
 Dimension: 125 x 46 x 12mm



### EH802-KHL

#### Product Features

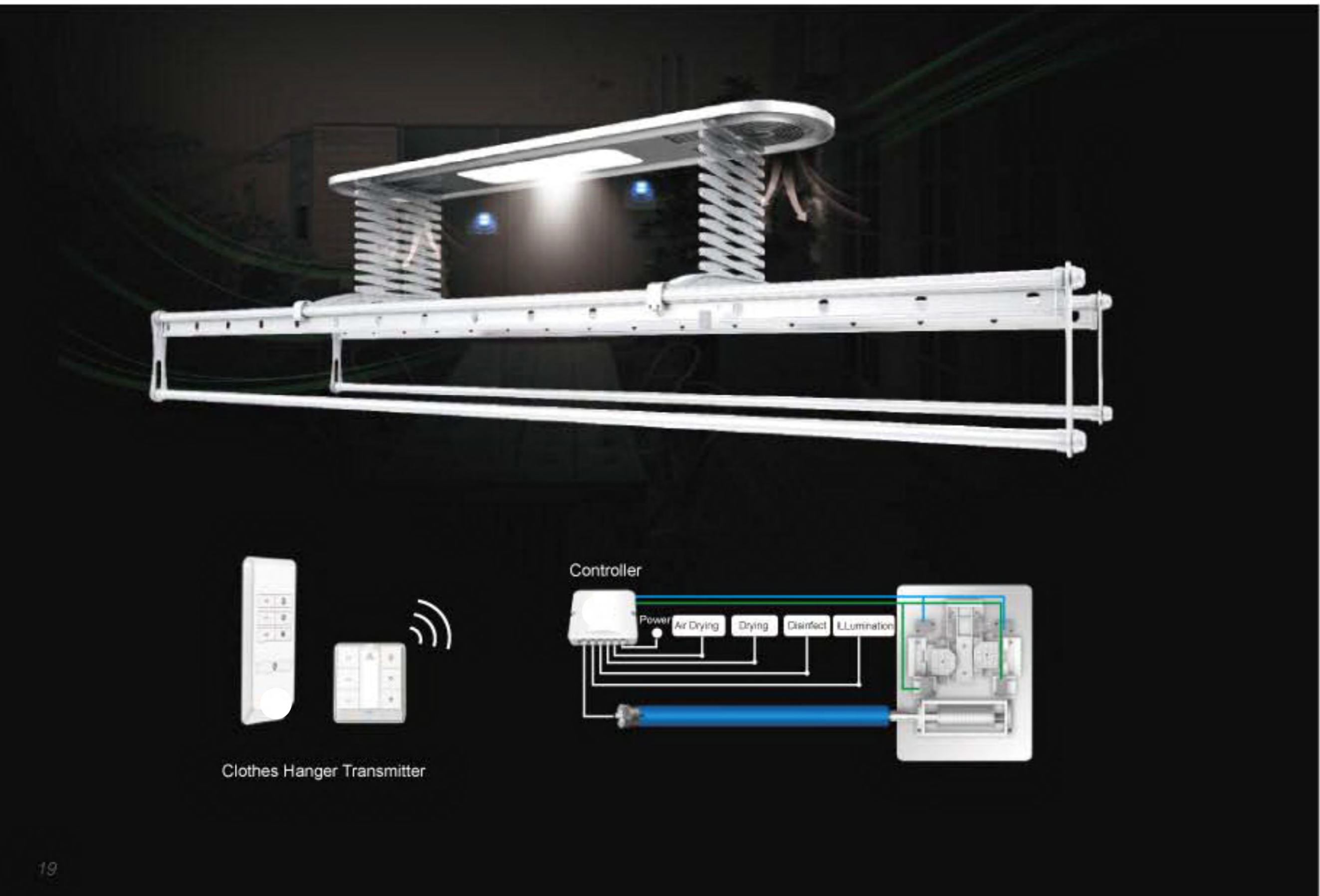
The series of products have stable performance, outstanding durable, elegant appearance. Suitable for multi-applications, strong adaptability.

Frequency:433.92MHz  
 Control: 2 Channel  
 Encode:Rolling Code  
 Power:  $\leq 10$ mW  
 Power Supply:3Vdc  
 Battery Model:CR2450  
 Working Temp.: $-10^{\circ}$  C $\sim$  $+50^{\circ}$  C  
 Class: IP30  
 Dimension: 125 x 46 x 12mm



### AUTOMATIC CLOTHES HANGER SYSTEM

-   
 Wireless Remote
-   
 Ultraviolet Sterilization
-   
 Super Silent
-   
 LED Light
-   
 Air Drying/Drying



## AUTOMATIC CLOTHES HANGER MOTOR

### Clothes Hanger Motor Series



#### Clothes Hanger Motor

##### Technical Data



Torque (N.m)	Speed (rpm)	Rated Voltage (V)	Frequency (Hz)	Rated Power (W)	Rated Current (A)	Protection Class (IP)	DUTY (min)	Net Weight (kg)
10	17	230	50	120	0.55	IP44	≥4	1.1
6	28	230	50	142	0.62	IP44	≥4	1.1
10	17	110	60	125	1.15	IP44	≥4	1.1

# AUTOMATIC CLOTHES HANGER CONTROL SYSTEM

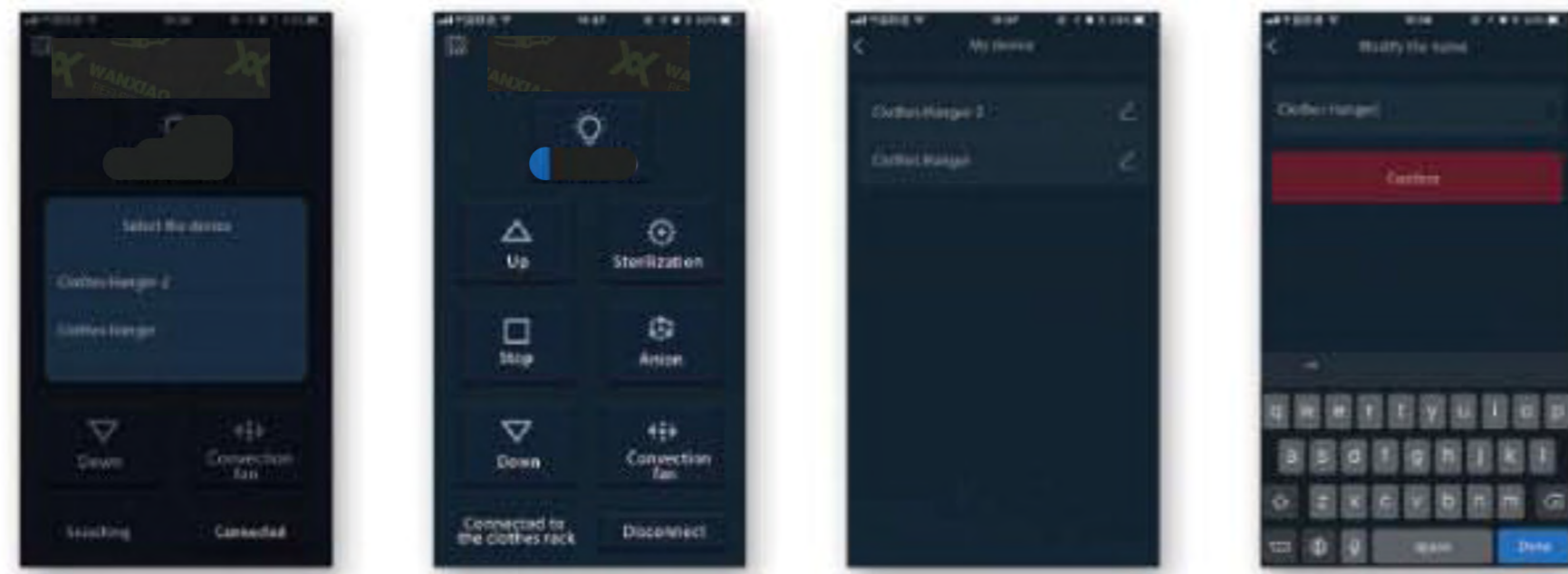


'EH-KL1

One-click UP Transmitter

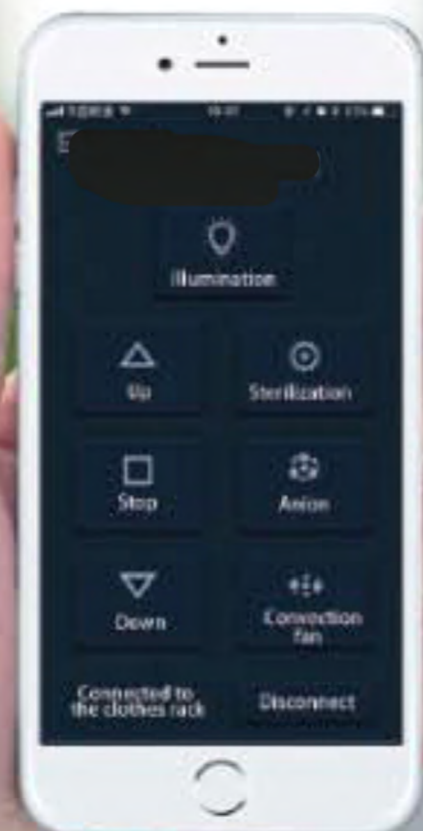
More convenient option

# AUTOMATIC CLOTHES HANGER SYSTEM CONTROL SYSTEM



## Smart phone APP operating

APP intelligent control, easy to achieve a new way of drying the cloths



'EH301-LYJ

**Product Features**

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2450  
 Working Temp.: -10° C~+50°C  
 Class: IP30



'EH302-LYJ

**Product Features**

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2450  
 Working Temp.: -10° C~+50°C  
 Class: IP30



'EH401-LYJ

**Product Features**

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2450  
 Working Temp.: -10° C~+50°C  
 Class: IP30



'EH409-LYJ

**Product Features**

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2450  
 Working Temp.: -10° C~+50°C  
 Class: IP30



'EH602-LYJA

**Product Features**

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤10mW  
 Power Supply:3Vdc  
 Battery Model:AAA  
 Working Temp.: -10° C~+50°C  
 Class: IP30



'EH602-LYJB

**Product Features**

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤10mW  
 Power Supply:3Vdc  
 Battery Model:AAA  
 Working Temp.: -10° C~+50°C  
 Class: IP30

# AUTOMATIC CLOTHES HANGER CONTROL SYSTEM

# AUTOMATIC CLOTHES HANGER CONTROL SYSTEM

**Product Features**  
 Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2450  
 Working Temp.: -10° C~+50°C  
 Class: IP30

**EH809-LYJ**      **EH801-LYJ**      **EH804-LYJA**      **EH802-LYJB**

## Cloth hanger controller



### RV-Y

#### Product Features

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤400W  
 Working Temp.: -10° C~+50°C  
 Class: IP30

## AC basic model



### RV-Y-C

AC standard model,  
 Up/Down/Stop + Light

#### Product Features

Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤400W  
 Working Temp.: -10° C~+50°C  
 Class: IP30  
 Size: 125\*62\*36.5mm



### RV-Y-D

AC advanced model  
 Up/Down/Stop + Light + Disinfect + Air Dry + Dry  
 This model also have AC power supply version  
 (has normal function)

#### Product Features

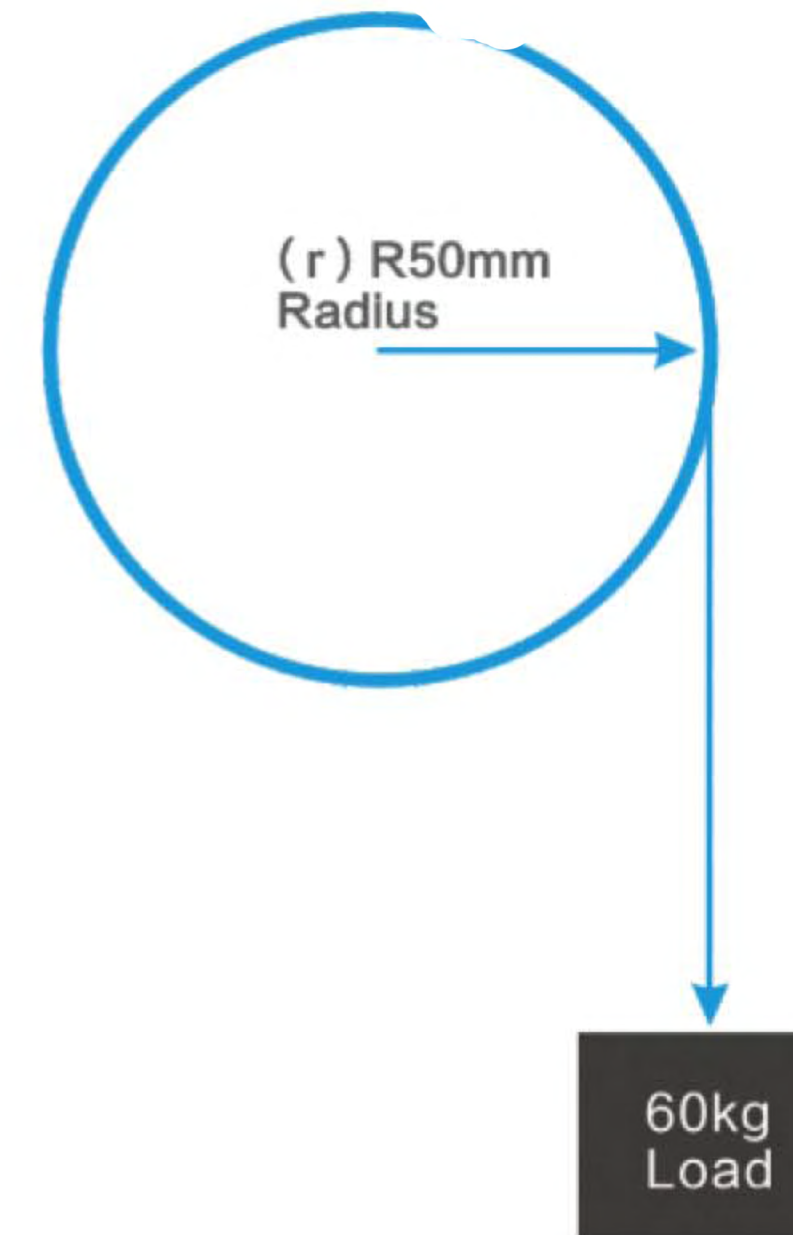
Frequency:433.92MHz  
 Encode:Rolling Code  
 Power: ≤400W  
 Working Temp.: -10° C~+50°C  
 Class: IP30  
 Size: 126\*85\*43.5mm



# TUBULAR MOTOR SYSTEM



# TECHNICAL SUPPORT



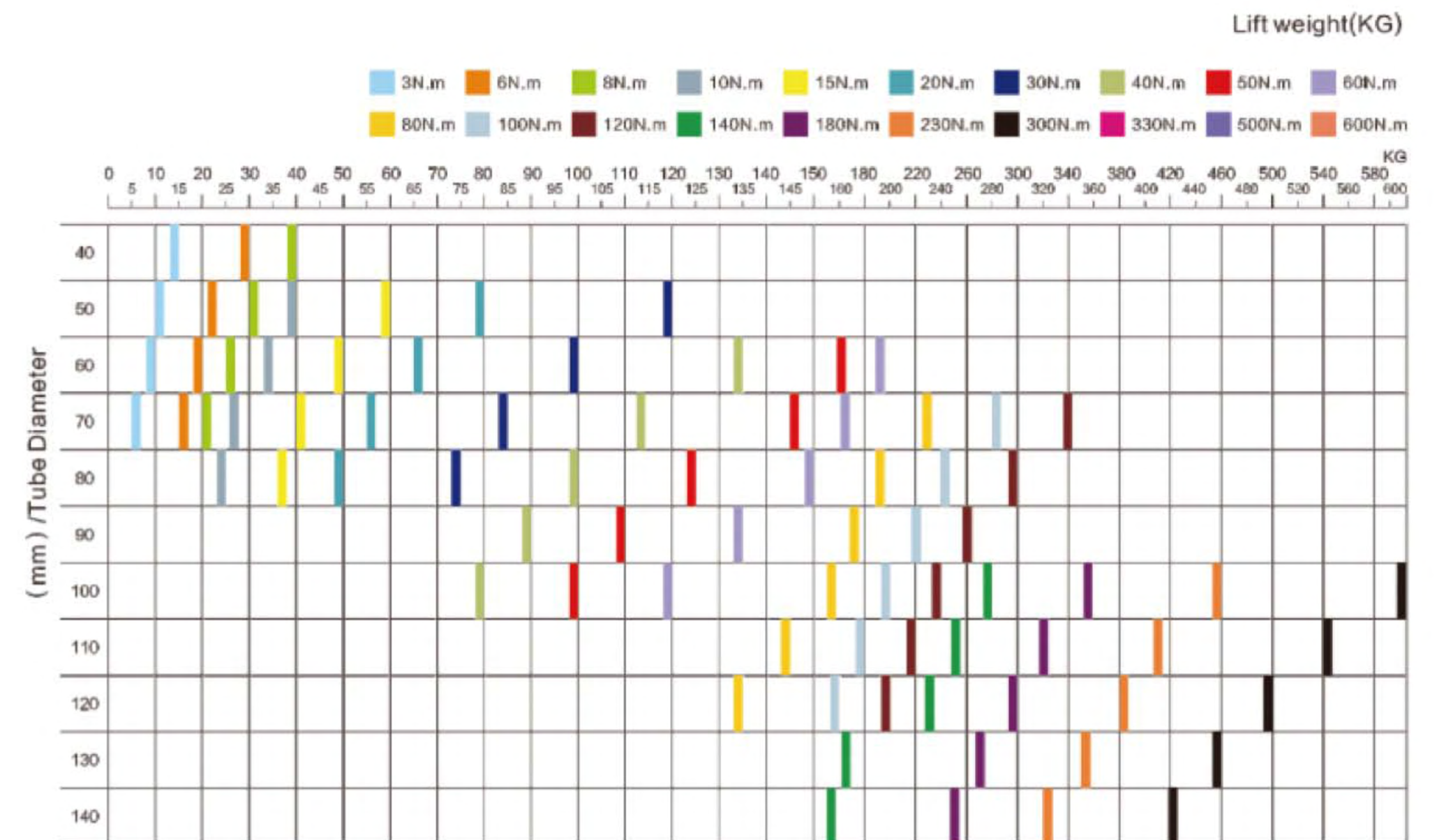
Selection guide of tubular motor

# ?N.m

Torque ( N.m ) =radius × load + 100

? N.m=50mm × 60kg + 100=30Nm

Note:the calculation in diagram is based on the Newton's law



Note:the figure only serves for the reference of end users,and actual lifting forceshall consider the deduction of 30% to 35% friction coefficient.

# TUBULAR MOTOR

## 35-S



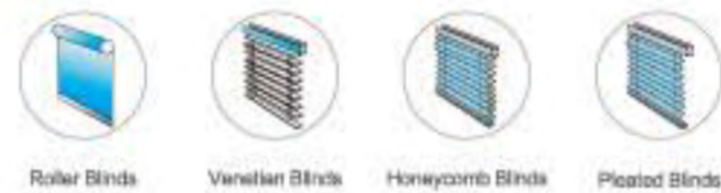
Ø 35  
Diameter 35mm

Mechanic Limit+Low Noise

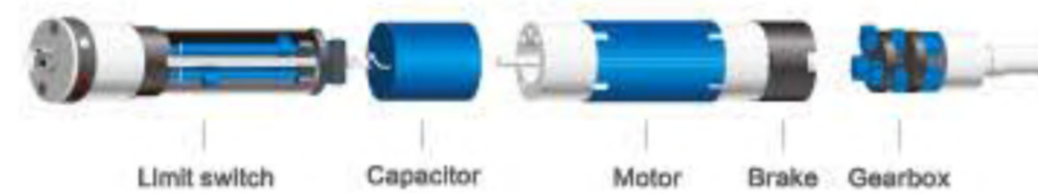
### Product Features

- Smooth running, dB level as low as 38dB.
- Standard mechanical limit switch, with accurate limit position.

### Use



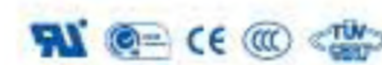
### Exploded Drawing



### Motor Dimension

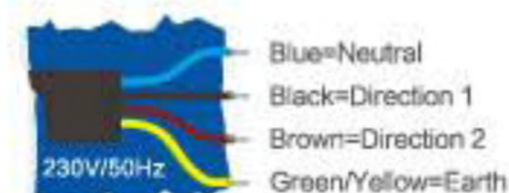


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	35-3S	3	28	230	50	139	0.61	42	IP44	≥4	1.6
	35-6S	6	17	230	50	155	0.68	42	IP44	≥4	1.6
	35-10S	10	17	230	50	165	0.71	42	IP44	≥4	1.6
	35-12S	12	17	230	50	170	0.75	42	IP44	≥4	1.6
<b>110V</b> <b>60Hz</b>	35-3S	3	33	110	60	141	1.29	42	IP44	≥4	1.6
	35-6S	6	20	110	60	154	1.41	42	IP44	≥4	1.6
	35-10S	10	20	110	60	162	1.48	42	IP44	≥4	1.6
	35-12S	12	20	110	60	173	1.58	42	IP44	≥4	1.6

### Picture of wire connection



# TUBULAR MOTOR

## 35-R



Ø 35  
Diameter 35mm

Mechanic Limit+Built-in Receiver

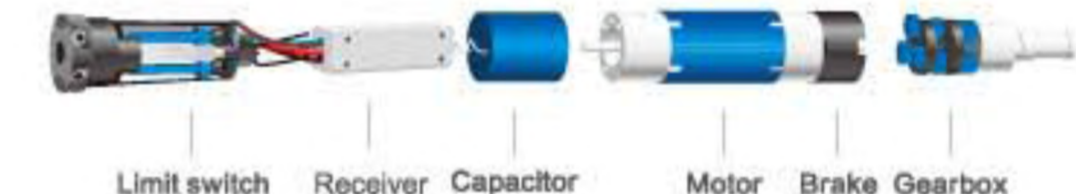
### Product Features

- Smooth running, dB level as low as 38dB.
- Mechanic Limit switch With built-in receiver, wireless control

### Use



### Exploded Drawing



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	35-3R	3	28	230	50	139	0.61	42	IP44	≥4	1.7
	35-6R	6	17	230	50	155	0.68	42	IP44	≥4	1.7
	35-10R	10	17	230	50	165	0.71	42	IP44	≥4	1.7
	35-12R	12	17	230	50	170	0.75	42	IP44	≥4	1.7
<b>110V</b> <b>60Hz</b>	35-3R	3	33	110	60	141	1.29	42	IP44	≥4	1.7
	35-6R	6	20	110	60	154	1.41	42	IP44	≥4	1.7
	35-10R	10	20	110	60	162	1.48	42	IP44	≥4	1.7
	35-12R	12	20	110	60	173	1.58	42	IP44	≥4	1.7

### Picture of wire connection





# TUBULAR MOTOR

## 35-E



Ø 35  
Diameter 35mm

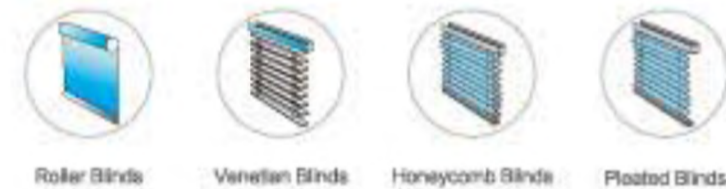


Electronic Limit+Built-in Receiver

### Product Features

- Smooth running, dB level as low as 38dB
- Mechanic Limit switch With built-in receiver, wireless control

### Use



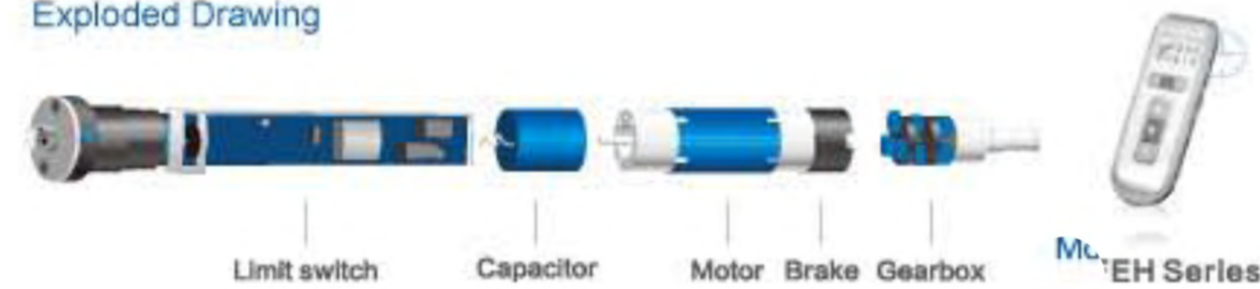
### Specifications

Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Protection Index (IP)	Running Time (min)	Net Weight (kg)	
<b>230V</b> 50Hz	35-3E	3	28	230	50	139	0.61	IP44	≥4	1.6
	35-6E	6	17	230	50	155	0.68	IP44	≥4	1.6
	35-10E	10	17	230	50	165	0.71	IP44	≥4	1.6
	35-12E	12	17	230	50	170	0.75	IP44	≥4	1.6
<b>110V</b> 60Hz	35-3E	3	33	110	60	141	1.29	IP44	≥4	1.6
	35-6E	6	20	110	60	154	1.41	IP44	≥4	1.6
	35-10E	10	20	110	60	162	1.48	IP44	≥4	1.6
	35-12E	12	20	110	60	173	1.58	IP44	≥4	1.6

### Picture of wire connection



### Exploded Drawing



### Motor Dimension (mm)



# TUBULAR MOTOR

## 45-S1



Ø 45  
Diameter 45mm



Mechanic Limit+Low Noise

### Product Features

- Smooth running, dB level as low as 45dB.
- Standard mechanical limit switch, with accurate limit position.
- Particular for motorized projects with weight below 50 KG, the blinds, the screens and the shutters etc.

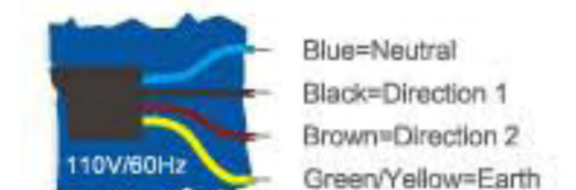
### Use



### Specifications

Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (lum)	Protection Index (IP)	Running Time (min)	Net Weight (kg)	
<b>230V</b> 50Hz	45-10S1	10	17	230	50	162	0.71	25	IP44	≥4	2.1
	45-20S1	20	17	230	50	178	0.78	25	IP44	≥4	2.3
	45-30S1	30	15	230	50	235	1.03	25	IP44	≥4	2.8
	45-40S1	40	12	230	50	275	1.20	25	IP44	≥4	3.0
	45-50S1	50	12	230	50	282	1.23	25	IP44	≥4	3.2
<b>110V</b> 60Hz	45-10S1	10	20	110	60	166	1.51	25	IP44	≥4	2.1
	45-20S1	20	20	110	60	179	1.62	25	IP44	≥4	2.3
	45-30S1	30	18	110	60	244	2.23	25	IP44	≥4	2.8
	45-40S1	40	14	110	60	280	2.45	25	IP44	≥4	3.0
	45-50S1	50	14	110	60	296	2.55	25	IP44	≥4	3.2

### Picture of wire connection



### Exploded Drawing



### Motor Dimension (mm)



# TUBULAR MOTOR

## 45-S2



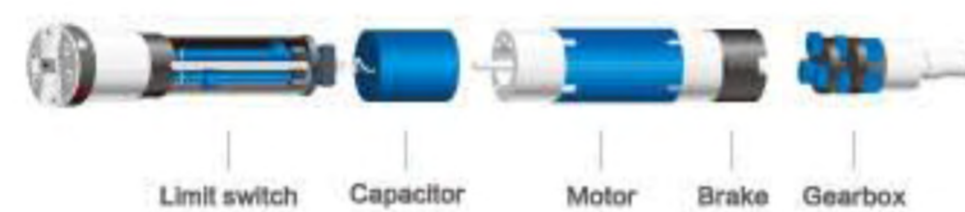
∅ 45  
Diameter 45mm

Mechanic Limit+Low Noise

### Product Features

- Smooth running, dB level as low as 45dB.
- Standard mechanical limit switch, with accurate limit position.
- Particular for motorized projects with weight below 50 KG, the blinds, the screens and the shutters etc.

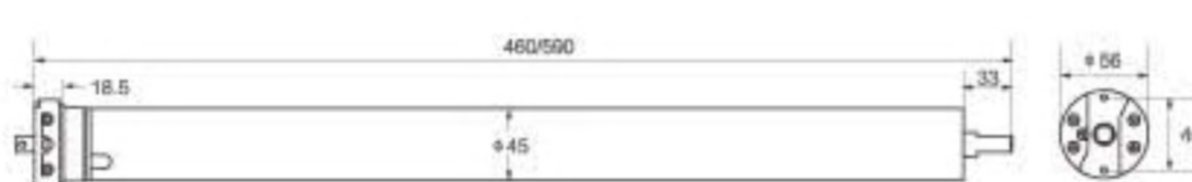
### Exploded Drawing



### Use



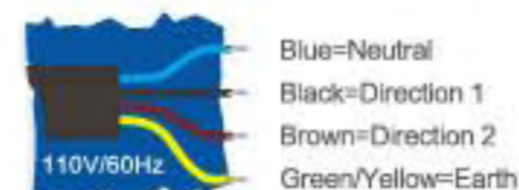
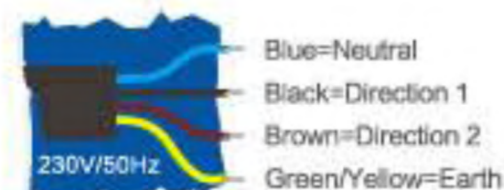
### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10S2	10	17	230	50	162	0.71	25	IP44	≥4	2.1
	45-20S2	20	17	230	50	178	0.78	25	IP44	≥4	2.3
	45-30S2	30	15	230	50	235	1.03	25	IP44	≥4	2.8
	45-40S2	40	12	230	50	275	1.20	25	IP44	≥4	3.0
	45-50S2	50	12	230	50	282	1.23	25	IP44	≥4	3.2
<b>110V</b> <b>60Hz</b>	45-10S2	10	20	110	60	166	1.51	25	IP44	≥4	2.1
	45-20S2	20	20	110	60	179	1.62	25	IP44	≥4	2.3
	45-30S2	30	18	110	60	244	2.23	25	IP44	≥4	2.8
	45-40S2	40	14	110	60	280	2.45	25	IP44	≥4	3.0
	45-50S2	50	14	110	60	296	2.55	25	IP44	≥4	3.2

### Picture of wire connection



# TUBULAR MOTOR

## 45-S3



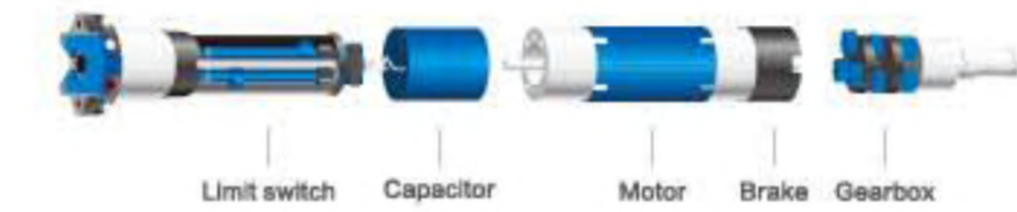
∅ 45  
Diameter 45mm

Mechanic Limit+Low Noise

### Product Features

- Smooth running, dB level as low as 45dB.
- Standard mechanical limit switch, with accurate limit position.
- Particular for motorized projects with weight below 50 KG, the blinds, the screens and the shutters etc.

### Exploded Drawing



### Use



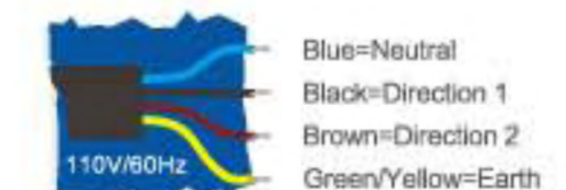
### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10S3	10	17	230	50	162	0.71	26	IP44	≥4	2.1
	45-20S3	20	17	230	50	178	0.78	26	IP44	≥4	2.3
	45-30S3	30	15	230	50	235	1.03	26	IP44	≥4	2.8
<b>110V</b> <b>60Hz</b>	45-10S3	10	20	110	60	166	1.51	26	IP44	≥4	2.1
	45-20S3	20	20	110	60	179	1.62	26	IP44	≥4	2.3
	45-30S3	30	18	110	60	244	2.23	26	IP44	≥4	2.8

### Picture of wire connection



# TUBULAR MOTOR

## 45-S4



∅ 45  
Diameter 45mm

Mechanic Limit+Low Noise

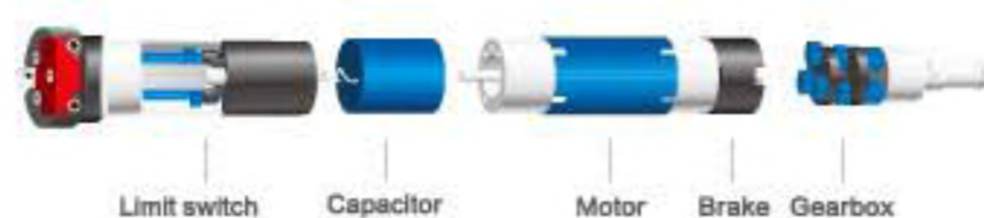
### Product Features

- Smooth running, dB level as low as 45dB.
- Standard mechanical limit switch, with accurate limit position.
- Particular for motorized projects with weight below 50 KG, the blinds, the screens and the shutters etc.

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10S4	10	17	230	50	162	0.71	22	IP44	≥4	2.1
	45-20S4	20	17	230	50	178	0.78	22	IP44	≥4	2.3
	45-30S4	30	15	230	50	235	1.03	22	IP44	≥4	2.8
<b>110V</b> <b>60Hz</b>	45-10S4	10	20	110	60	166	1.51	22	IP44	≥4	2.1
	45-20S4	20	20	110	60	179	1.62	22	IP44	≥4	2.3
	45-30S4	30	18	110	60	244	2.23	22	IP44	≥4	2.8

### Picture of wire connection



# TUBULAR MOTOR

## 45-S5



∅ 45  
Diameter 45mm

Mechanic Limit+Low Noise

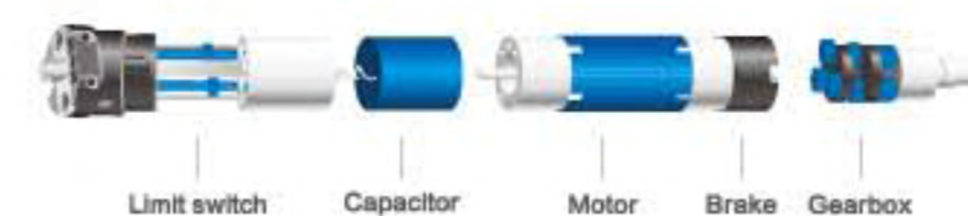
### Product Features

- Smooth running, dB level as low as 45dB.
- Standard mechanical limit switch, with accurate limit position.
- Particular for motorized projects with weight below 50 KG, the blinds, the screens and the shutters etc.

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10S5	10	17	230	50	162	0.71	23	IP44	≥4	2.1
	45-20S5	20	17	230	50	178	0.78	23	IP44	≥4	2.3
	45-30S5	30	15	230	50	235	1.03	23	IP44	≥4	2.8
<b>110V</b> <b>60Hz</b>	45-10S5	10	20	110	60	166	1.51	23	IP44	≥4	2.1
	45-20S5	20	20	110	60	179	1.62	23	IP44	≥4	2.3
	45-30S5	30	18	110	60	244	2.23	23	IP44	≥4	2.8

### Picture of wire connection



# TUBULAR MOTOR 45-R



∅ 45  
Diameter 45mm

Mechanic Limit+Built-in Receiver

### Product Features

- Smooth running, dB level as low as 42dB
- Mechanic Limit switch With built-in receiver, wireless control

### Use



### Exploded Drawing



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (tum)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10R	10	17	230	50	162	0.71	22	IP44	≥4	2.3
	45-20R	20	17	230	50	178	0.78	22	IP44	≥4	2.5
	45-30R	30	15	230	50	235	1.03	22	IP44	≥4	3.0
	45-40R	40	12	230	50	275	1.20	22	IP44	≥4	3.2
	45-50R	50	12	230	50	282	1.23	22	IP44	≥4	3.4
<b>110V</b> <b>60Hz</b>	45-10R	10	20	110	60	166	1.51	22	IP44	≥4	2.3
	45-20R	20	20	110	60	179	1.62	22	IP44	≥4	2.5
	45-30R	30	18	110	60	244	2.23	22	IP44	≥4	3.0
	45-40R	40	14	110	60	280	2.45	22	IP44	≥4	3.2
	45-50R	50	14	110	60	296	2.55	22	IP44	≥4	3.4

### Picture of wire connection



# TUBULAR MOTOR 45-RM



∅ 45  
Diameter 45mm

Mechanic Limit+Built-in Receiver+Manual

### Product Features

- Smooth running, dB level as low as 44dB
- Mechanic Limit with built-in receiver, wireless control, with manual

### Use



### Exploded Drawing



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (tum)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-30RM	30	15	230	50	235	1.03	15	IP44	≥4	3.4
	45-40RM	40	12	230	50	275	1.20	15	IP44	≥4	3.4
	45-50RM	50	12	230	50	282	1.23	15	IP44	≥4	3.4
	45-60RM	60	12	230	50	310	1.35	15	IP44	≥4	3.7
	45-30RM	30	18	110	60	244	2.23	15	IP44	≥4	3.4
<b>110V</b> <b>60Hz</b>	45-40RM	40	14	110	60	280	2.45	15	IP44	≥4	3.4
	45-50RM	50	14	110	60	296	2.55	15	IP44	≥4	3.4
	45-60RM	60	14	110	60	312	2.81	15	IP44	≥4	3.7

### Picture of wire connection



# TUBULAR MOTOR 45-E



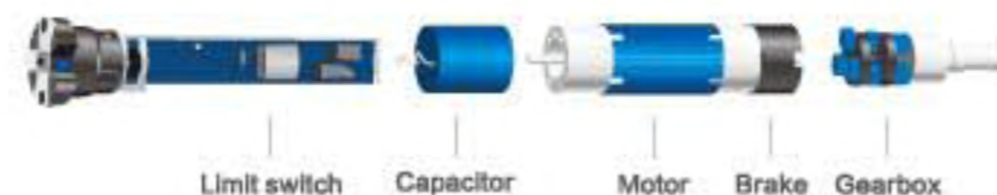
Ø 45  
Diameter 45mm

Electronic Limit Switch+Built-in Receiver

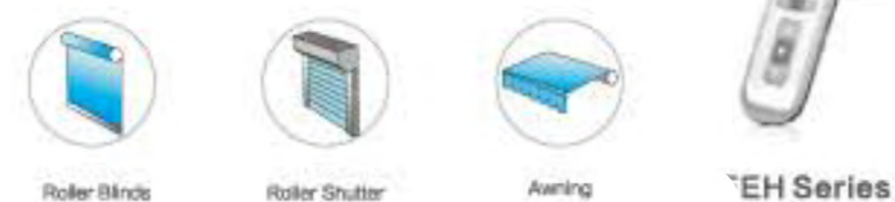
### Product Features

- Smooth running, dB level as low as 45dB.
- Electronic Limit Switch with accurate limit position.
- Extra Model:  
Set up the third point limit  
Resistance and rebound

### Exploded Drawing



### Use



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10E	10	17	230	50	162	0.71	IP44	≥4	2.1
	45-20E	20	17	230	50	178	0.78	IP44	≥4	2.3
	45-30E	30	15	230	50	235	1.03	IP44	≥4	2.8
	45-40E	40	12	230	50	275	1.20	IP44	≥4	3.0
	45-50E	50	12	230	50	282	1.23	IP44	≥4	3.2
<b>110V</b> <b>60Hz</b>	45-10E	10	20	110	60	166	1.51	IP44	≥4	2.1
	45-20E	20	20	110	60	179	1.62	IP44	≥4	2.3
	45-30E	30	18	110	60	244	2.23	IP44	≥4	2.8
	45-40E	40	14	110	60	280	2.45	IP44	≥4	3.0
	45-50E	50	14	110	60	296	2.55	IP44	≥4	3.2

### Picture of wire connection



# TUBULAR MOTOR 45-ET



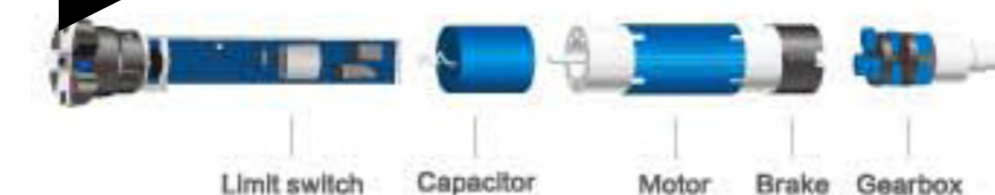
Ø 45  
Diameter 45mm

Electronic Limit + Built-in Receiver+Resistance and rebound

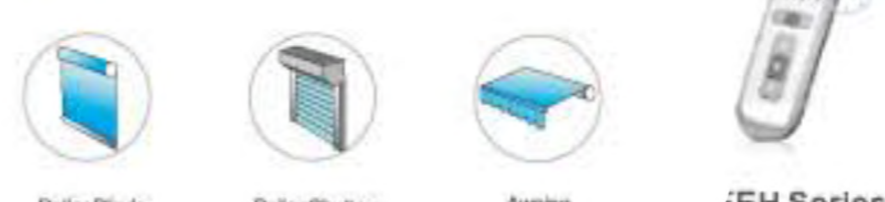
### Product Features

- Smooth running, dB level as low as 45dB.
- Electronic Limit Switch with accurate limit position.
- Extra Model:  
Set up the third point limit  
Resistance and rebound

### Exploded Drawing



### Use



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10ET	10	17	230	50	162	0.71	IP44	≥4	2.1
	45-20ET	20	17	230	50	178	0.78	IP44	≥4	2.3
	45-30ET	30	15	230	50	235	1.03	IP44	≥4	2.8
	45-40ET	40	12	230	50	275	1.20	IP44	≥4	3.0
	45-50ET	50	12	230	50	282	1.23	IP44	≥4	3.2

### Picture of wire connection



# TUBULAR MOTOR

## 45-MET



∅ 45  
Diameter 45mm



Electronic Limit + Built-in Receiver + Resistance and rebound + Manual

### Product Features

- Electronic Limit Switch with accurate limit position
- Easy installation and smooth running, dB level below 42 dB.
- Manual override make it possible to operate normally in case of power failure.
- Extra Model:  
Set up the third point limit  
Resistance and rebound

### Exploded Drawing

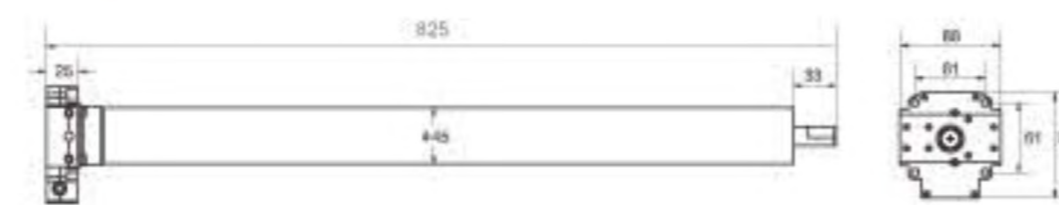


### Use



FEH201

### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
45-10MET	10	17	230	50	162	0.71	15	IP44	≥4	2.6
45-20MET	20	17	230	50	178	0.78	15	IP44	≥4	2.6
230V 45-30MET	30	15	230	50	235	1.03	15	IP44	≥4	3.2
50Hz 45-40MET	40	12	230	50	275	1.20	15	IP44	≥4	3.2
45-50MET	50	12	230	50	282	1.23	15	IP44	≥4	3.2
45-60MET	60	12	230	50	310	1.35	15	IP44	≥4	3.5

### Picture of wire connection



# TUBULAR MOTOR

## 45-M1



∅ 45  
Diameter 45mm



Mechanic Limit + Low Noise + Manual

### Product Features

- Mechanical limit switch, with accurate limit position.
- Easy installation and smooth running, dB level below 42dB.
- Manual override make it possible to operate normally in case of power failure.

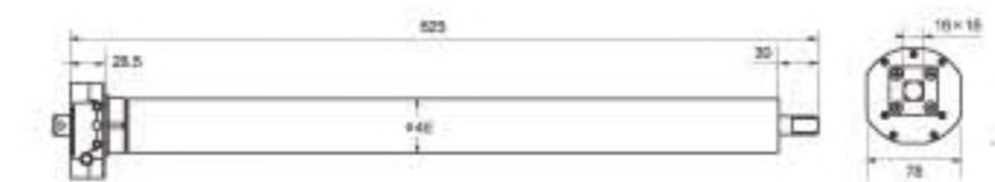
### Exploded Drawing



### Use



### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
45-10M1	10	17	230	50	162	0.71	15	IP44	≥4	2.6
45-20M1	20	17	230	50	178	0.78	15	IP44	≥4	2.6
230V 45-30M1	30	15	230	50	235	1.03	15	IP44	≥4	3.2
50Hz 45-40M1	40	12	230	50	275	1.20	15	IP44	≥4	3.2
45-50M1	50	12	230	50	282	1.23	15	IP44	≥4	3.2
45-60M1	60	12	230	50	310	1.35	15	IP44	≥4	3.5
45-10M1	10	20	110	60	166	1.51	15	IP44	≥4	2.6
45-20M1	20	20	110	60	179	1.62	15	IP44	≥4	2.6
110V 45-30M1	30	18	110	60	244	2.23	15	IP44	≥4	3.2
60Hz 45-40M1	40	14	110	60	280	2.45	15	IP44	≥4	3.2
45-50M1	50	14	110	60	296	2.55	15	IP44	≥4	3.2
45-60M1	60	14	110	60	312	2.81	15	IP44	≥4	3.5

### Picture of wire connection



# TUBULAR MOTOR

## 45-M2



∅ 45  
Diameter 45mm

Mechanic Limit+Low Noise+Manual

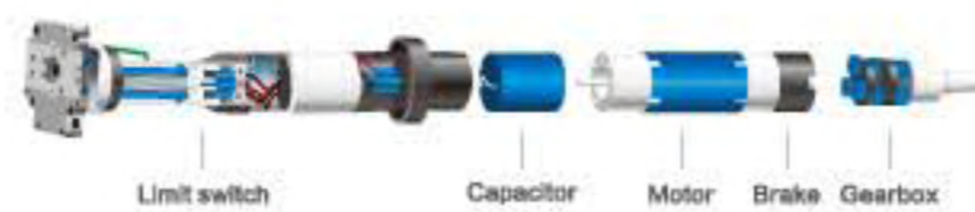
### Product Features

- Mechanical limit switch, with accurate limit position.
- Easy installation and smooth running, dB level below 42dB.
- Manual override make it possible to operate normally in case of power failure.

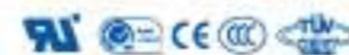
### Use



### Exploded Drawing



### Motor Dimension



### Specifications

Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10M2	10	230	50	162	0.71	36	IP44	≥4	2.6
	45-20M2	20	230	50	178	0.78	36	IP44	≥4	2.6
	45-30M2	30	15	230	235	1.03	36	IP44	≥4	3.2
	45-40M2	40	12	230	275	1.20	36	IP44	≥4	3.2
	45-50M2	50	12	230	282	1.23	36	IP44	≥4	3.2
	45-60M2	60	12	230	310	1.35	36	IP44	≥4	3.5
<b>110V</b> <b>60Hz</b>	45-10M2	10	110	60	166	1.51	36	IP44	≥4	2.6
	45-20M2	20	110	60	179	1.62	36	IP44	≥4	2.6
	45-30M2	30	18	110	244	2.23	36	IP44	≥4	3.2
	45-40M2	40	14	110	280	2.45	36	IP44	≥4	3.2
	45-50M2	50	14	110	296	2.55	36	IP44	≥4	3.2
	45-60M2	60	14	110	312	2.81	36	IP44	≥4	3.5

### Picture of wire connection



# TUBULAR MOTOR

## 45-M3



∅ 45  
Diameter 45mm

Mechanic Limit+Low Noise+Manual

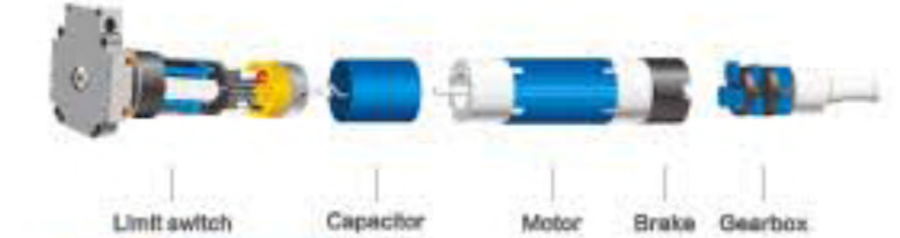
### Product Features

- Mechanical limit switch, with accurate limit position.
- Easy installation and smooth running, dB level below 42dB.
- Manual override make it possible to operate normally in case of power failure.

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	45-10M3	10	230	50	162	0.71	15	IP44	≥4	2.6
	45-20M3	20	230	50	178	0.78	15	IP44	≥4	2.6
	45-30M3	30	15	230	235	1.03	15	IP44	≥4	3.2
	45-40M3	40	12	230	275	1.20	15	IP44	≥4	3.2
	45-50M3	50	12	230	282	1.23	15	IP44	≥4	3.2
	45-60M3	60	12	230	310	1.35	15	IP44	≥4	3.5
<b>110V</b> <b>60Hz</b>	45-10M3	10	110	60	166	1.51	15	IP44	≥4	2.6
	45-20M3	20	110	60	179	1.62	15	IP44	≥4	2.6
	45-30M3	30	18	110	244	2.23	15	IP44	≥4	3.2
	45-40M3	40	14	110	280	2.45	15	IP44	≥4	3.2
	45-50M3	50	14	110	296	2.55	15	IP44	≥4	3.2
	45-60M3	60	14	110	312	2.81	15	IP44	≥4	3.5

### Picture of wire connection



# TUBULAR MOTOR

## 45-M4



Ø 45  
Diameter 45mm

Mechanic Limit+Low Noise+Manual

### Product Features

- Mechanical limit switch, with accurate limit position.
- Easy installation and smooth running, dB level below 42dB.
- Manual override make it possible to operate normally in case of power failure.

### Exploded Drawing



### Use



### Motor Dimension

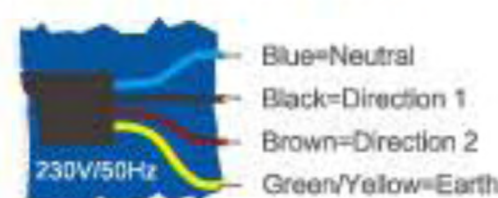


### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
45-10M4	10	17	230	50	162	0.71	30	IP44	≥4	2.6
45-20M4	20	17	230	50	178	0.78	30	IP44	≥4	2.6
<b>230V</b> <b>50Hz</b> 45-30M4	30	15	230	50	235	1.03	30	IP44	≥4	3.2
45-40M4	40	12	230	50	275	1.20	30	IP44	≥4	3.2
45-50M4	50	12	230	50	282	1.23	30	IP44	≥4	3.2
45-60M4	60	12	230	50	310	1.35	30	IP44	≥4	3.5
45-10M4	10	20	110	60	166	1.51	30	IP44	≥4	2.6
45-20M4	20	20	110	60	179	1.62	30	IP44	≥4	2.6
<b>110V</b> <b>60Hz</b> 45-30M4	30	18	110	60	244	2.23	30	IP44	≥4	3.2
45-40M4	40	14	110	60	280	2.45	30	IP44	≥4	3.2
45-50M4	50	14	110	60	296	2.55	30	IP44	≥4	3.2
45-60M4	60	14	110	60	312	2.81	30	IP44	≥4	3.5

### Picture of wire connection



# TUBULAR MOTOR

## 45-MT



Ø 45  
Diameter 45mm

Mechanic Limit+Resistance and Rebound+Manual

### Product Features

- Smooth running, dB level as low as 44dB
- Mechanic Limit With control system (SFEH109 + SFRV19), wireless control Resistance and rebound

### Exploded Drawing



### Use



### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
45-10MT	10	17	230	50	162	0.71	15	IP44	≥4	2.7
45-20MT	20	17	230	50	178	0.78	15	IP44	≥4	2.7
<b>230V</b> <b>50Hz</b> 45-30MT	30	15	230	50	235	1.03	15	IP44	≥4	3.3
45-40MT	40	12	230	50	275	1.20	15	IP44	≥4	3.3
45-50MT	50	12	230	50	282	1.23	15	IP44	≥4	3.3
45-60MT	60	12	230	50	310	1.35	15	IP44	≥4	3.6
45-10MT	10	20	110	60	166	1.51	15	IP44	≥4	2.7
45-20MT	20	20	110	60	179	1.62	15	IP44	≥4	2.7
<b>110V</b> <b>60Hz</b> 45-30MT	30	18	110	60	244	2.23	15	IP44	≥4	3.3
45-40MT	40	14	110	60	280	2.45	15	IP44	≥4	3.3
45-50MT	50	14	110	60	296	2.55	15	IP44	≥4	3.3
45-60MT	60	14	110	60	312	2.81	15	IP44	≥4	3.6

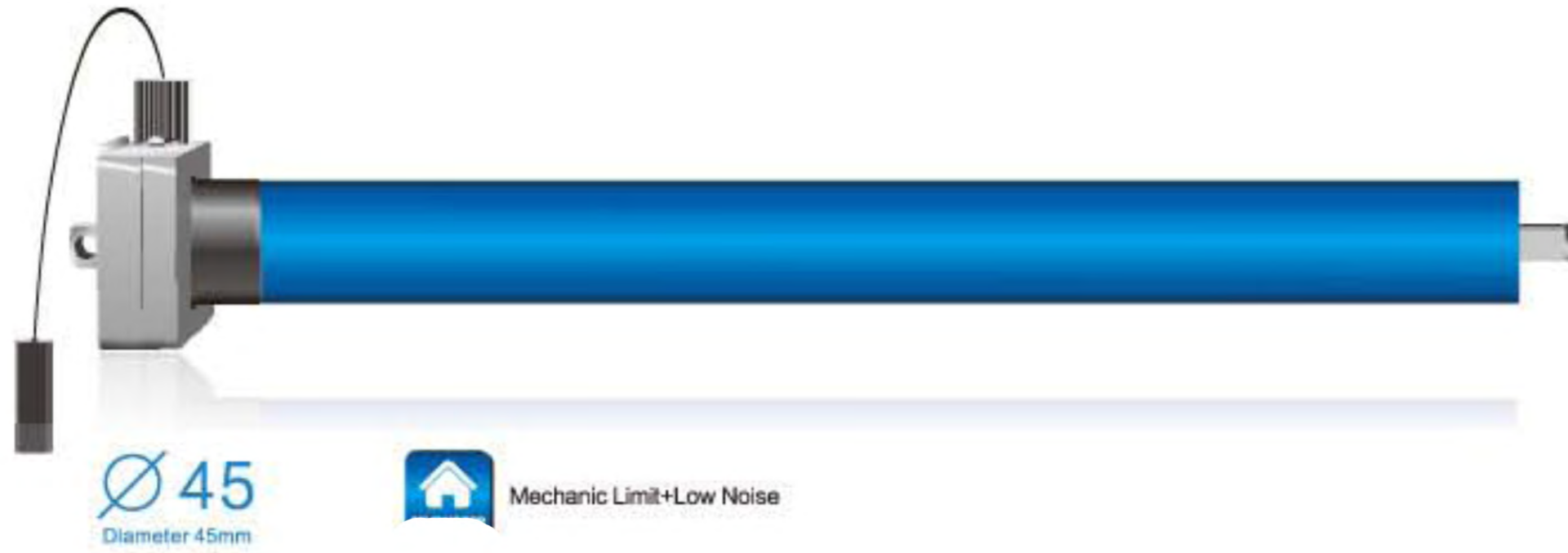
### Picture of wire connection





# TUBULAR MOTOR

## 45-H



∅ 45  
Diameter 45mm

Mechanic Limit+Low Noise

### Product Features

A quick-release mechanism is attached to the trolley to allow the garage door to be disconnected from the opener for manual operation during a power failure or in case of emergency.

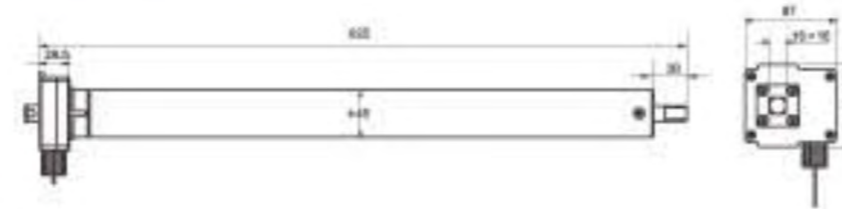
### Use



### Exploded Drawing



### Motor Dimension

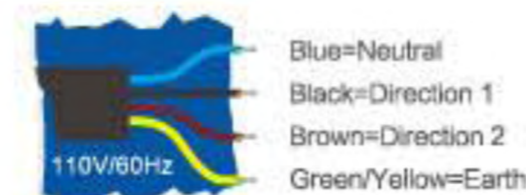
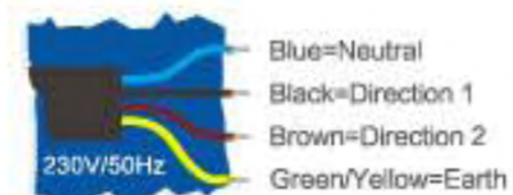


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	45-50H	50	12	230	50	282	1.23	15	IP44	≥4	3.2
<b>50Hz</b>	45-60H	60	12	230	50	310	1.35	15	IP44	≥4	3.5

### Picture of wire connection



# TUBULAR MOTOR

## 55-S



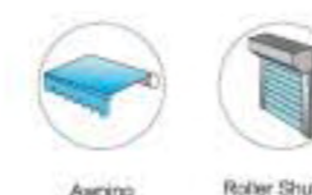
∅ 55  
Diameter 45mm

Mechanic Limit+Low Noise

### Product Features

Mechanical limit switch, with accurate limit position

### Use



### Exploded Drawing



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	55-60S	60	12	230	50	240	1.21	18	IP44	≥4	4.4
<b>50Hz</b>	55-80S	80	12	230	50	282	1.35	18	IP44	≥4	4.6
	55-100S	100	12	230	50	335	1.55	18	IP44	≥4	5.2

### Picture of wire connection



# TUBULAR MOTOR

## 55-M



Ø 55  
Diameter 45mm

Mechanic Limit+Low Noise + Manual

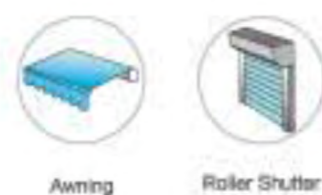
### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual Override make it possible to operate normally

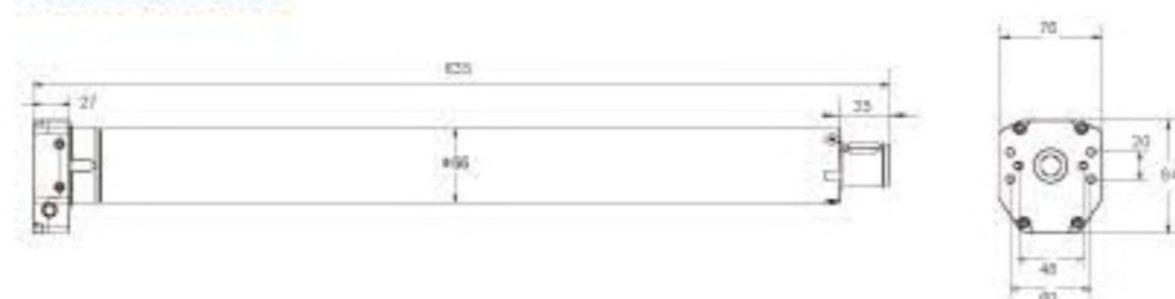
### Exploded Drawing



### Use



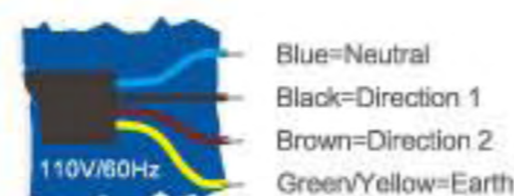
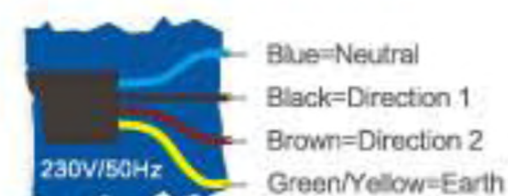
### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	55-60M	60	12	230	50	240	1.21	18	IP44	≥4	4.8
	55-80M	80	12	230	50	282	1.35	18	IP44	≥4	5.0
<b>50Hz</b>	55-100M	100	12	230	50	335	1.55	18	IP44	≥4	5.6

### Picture of wire connection



# TUBULAR MOTOR

## 59-S



Ø 59  
Diameter 59mm

Mechanic Limit+Low Noise

### Product Features

- Mechanical limit switch, with accurate limit position

### Exploded Drawing



### Use



### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	59-60S	60	12	230	50	288	1.25	32	IP44	≥4	4.0
	59-80S	80	12	230	50	370	1.80	32	IP44	≥4	4.2
	59-100S	100	12	230	50	441	1.92	32	IP44	≥4	4.6
	59-120S	120	12	230	50	450	2.00	32	IP44	≥4	5.0
	59-140S	140	9	230	50	465	2.12	32	IP44	≥4	5.5
<b>110V</b>	59-60S	60	14	110	60	300	2.72	32	IP44	≥4	4.0
	59-80S	80	14	110	60	405	3.72	32	IP44	≥4	4.2
	59-100S	100	14	110	60	462	4.25	32	IP44	≥4	4.6
	59-120S	120	14	110	60	485	4.50	32	IP44	≥4	5.0
	59-140S	140	11	110	60	501	4.62	32	IP44	≥4	5.5

### Picture of wire connection



# TUBULAR MOTOR

## 59-R



∅59  
Diameter 59mm

Mechanic Limit+Built-in Receiver

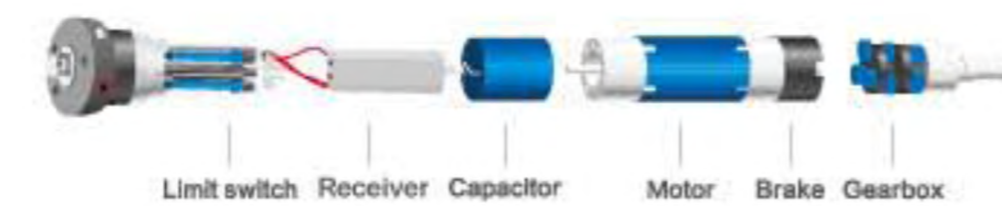
### Product Features

- Smooth running, dB level as low as 55dB
- Mechanic Limit with built-in receiver, wireless control

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
59-60R	60	12	230	50	288	1.25	32	IP44	≥4	4.1
59-80R	80	12	230	50	370	1.80	32	IP44	≥4	4.3
59-100R	100	12	230	50	441	1.92	32	IP44	≥4	4.7
59-120R	120	12	230	50	450	2.00	32	IP44	≥4	5.1
59-140R	140	9	230	50	465	2.12	32	IP44	≥4	5.6
59-60R	60	14	110	60	300	2.72	32	IP44	≥4	4.1
59-80R	80	14	110	60	405	3.72	32	IP44	≥4	4.3
59-100R	100	14	110	60	462	4.25	32	IP44	≥4	4.7
59-120R	120	14	110	60	485	4.50	32	IP44	≥4	5.1
59-140R	140	11	110	60	501	4.62	32	IP44	≥4	5.6

### Picture of wire connection



# TUBULAR MOTOR

## 59-E



∅59  
Diameter 59mm

Mechanic Limit+Built-in Receiver

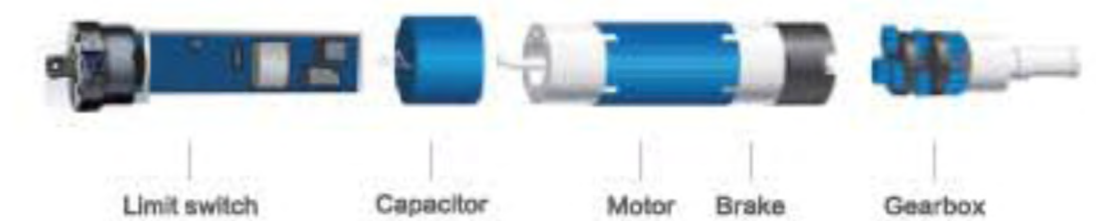
### Product Features

- Electronic Limit Switch with accurate limit position, Easy installation and smooth running, Manual override make it possible to operate normally in case of power failure.
- Extra Model: Set up the third point limit Resistance and rebound

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
59-60E	60	12	230	50	288	1.25	IP44	≥4	4.0
59-80E	80	12	230	50	370	1.80	IP44	≥4	4.2
59-100E	100	12	230	50	441	1.92	IP44	≥4	4.6
59-120E	120	12	230	50	450	2.00	IP44	≥4	5.0
59-140E	140	9	230	50	465	2.12	IP44	≥4	5.5

### Picture of wire connection



# TUBULAR MOTOR

## 59-MET



∅ 59  
Diameter 59mm

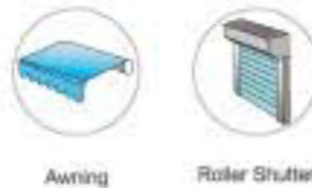


Electronic Limit + Built-in Receiver + Resistance and rebound + Manual

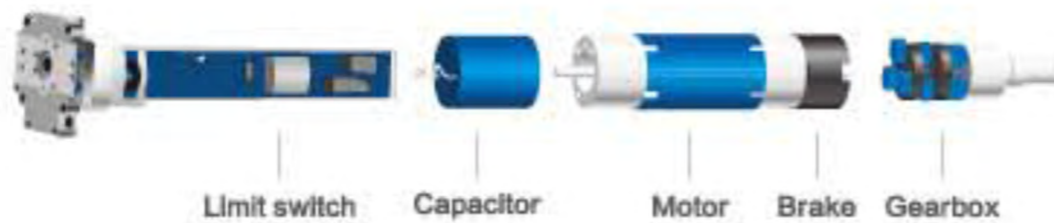
### Product Features

- Electronic Limit Switch with accurate limit position.
- Easy installation and smooth running.
- Manual override make it possible to operate normally in case of power failure.
- Extra Model:  
Set up the third point limit  
Resistance and rebound

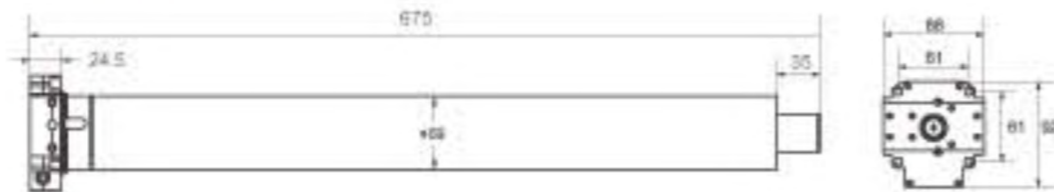
### Use



### Exploded Drawing



### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
59-60MET	60	12	230	50	288	1.25	15	IP44	≥4	5.8
59-80MET	80	12	230	50	370	1.80	15	IP44	≥4	6.0
59-100MET	100	12	230	50	441	1.92	15	IP44	≥4	6.6
59-120MET	120	12	230	50	450	2.00	15	IP44	≥4	6.8
59-140MET	140	9	230	50	465	2.12	15	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M1



∅ 59  
Diameter 59mm



Mechanic Limit + Low Noise + Manual

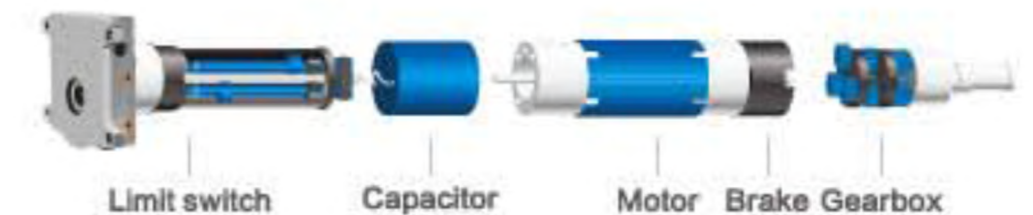
### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

### Use



### Exploded Drawing



### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
59-60M1	60	12	230	50	288	1.25	36	IP44	≥4	5.8
59-80M1	80	12	230	50	370	1.80	36	IP44	≥4	6.0
59-100M1	100	12	230	50	441	1.92	36	IP44	≥4	6.6
59-120M1	120	12	230	50	450	2.0	36	IP44	≥4	6.8
59-140M1	140	9	230	50	465	2.12	36	IP44	≥4	7.0
59-60M1	60	14	110	60	300	2.72	36	IP44	≥4	5.8
59-80M1	80	14	110	60	405	3.72	36	IP44	≥4	6.0
59-100M1	100	14	110	60	462	4.25	36	IP44	≥4	6.6
59-120M1	120	14	110	60	485	4.50	36	IP44	≥4	6.8
59-140M1	140	11	110	60	501	4.62	36	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M2



∅ 59  
Diameter 59mm

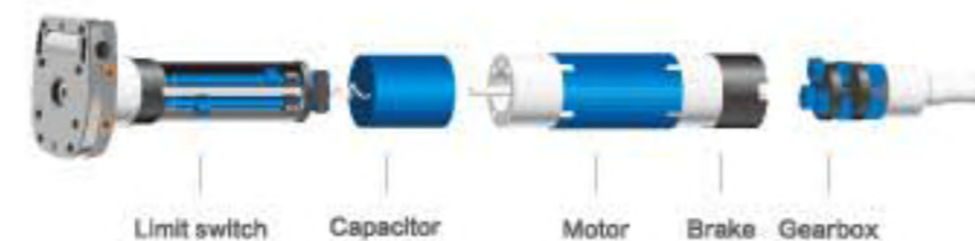


Mechanic Limit+Low Noise + Manual

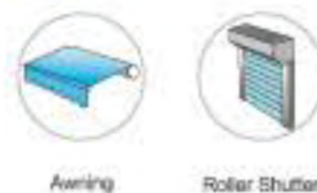
### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

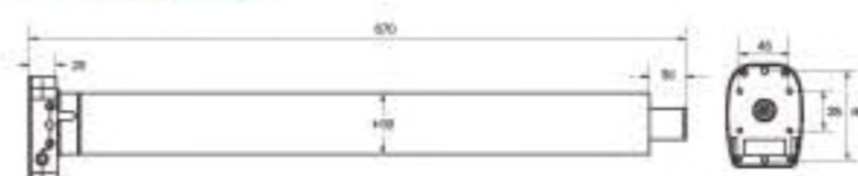
### Exploded Drawing



### Use



### Motor Dimension

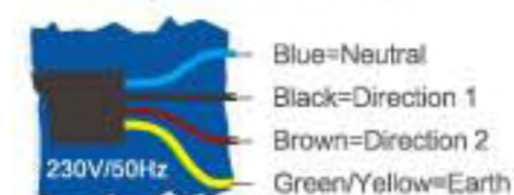


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> 50Hz	59-60M2	60	12	230	50	288	1.25	36	IP44	≥4	5.8
	59-80M2	80	12	230	50	370	1.80	36	IP44	≥4	6.0
	59-100M2	100	12	230	50	441	1.92	36	IP44	≥4	6.6
	59-120M2	120	12	230	50	450	2.00	36	IP44	≥4	6.8
	59-140M2	140	9	230	50	465	2.12	36	IP44	≥4	7.0
<b>110V</b> 60Hz	59-60M2	60	14	110	60	300	2.72	36	IP44	≥4	5.8
	59-80M2	80	14	110	60	405	3.72	36	IP44	≥4	6.0
	59-100M2	100	14	110	60	462	4.25	36	IP44	≥4	6.6
	59-120M2	120	14	110	60	485	4.50	36	IP44	≥4	6.8
	59-140M2	140	11	110	60	501	4.62	36	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M3



∅ 59  
Diameter 59mm



Mechanic Limit+Low Noise + Manual

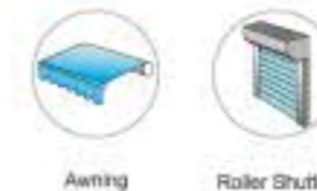
### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

### Exploded Drawing



### Use



### Motor Dimension

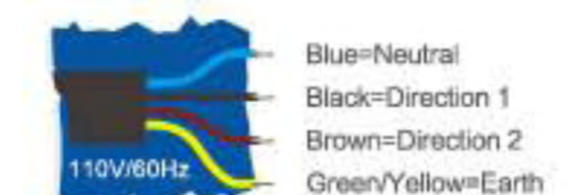


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> 50Hz	59-60M3	60	12	230	50	288	1.25	26	IP44	≥4	5.8
	59-80M3	80	12	230	50	370	1.80	26	IP44	≥4	6.0
	59-100M3	100	12	230	50	441	1.92	26	IP44	≥4	6.6
	59-120M3	120	12	230	50	450	2.00	26	IP44	≥4	6.8
	59-140M3	140	9	230	50	465	2.12	26	IP44	≥4	7.0
<b>110V</b> 60Hz	59-60M3	60	14	110	60	300	2.72	26	IP44	≥4	5.8
	59-80M3	80	14	110	60	405	3.72	26	IP44	≥4	6.0
	59-100M3	100	14	110	60	462	4.25	26	IP44	≥4	6.6
	59-120M3	120	14	110	60	485	4.50	26	IP44	≥4	6.8
	59-140M3	140	11	110	60	501	4.62	26	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M4



∅ 59  
Diameter 59mm

Mechanic Limit+Low Noise + Manual

### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

### Use



### Exploded Drawing



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	59-60M4	60	12	230	50	288	1.25	36	IP44	≥4	5.8
	59-80M4	80	12	230	50	370	1.80	36	IP44	≥4	6.0
	59-100M4	100	12	230	50	441	1.92	36	IP44	≥4	6.6
	59-120M4	120	12	230	50	450	2.00	36	IP44	≥4	6.8
	59-140M4	140	9	230	50	465	2.12	36	IP44	≥4	7.0
<b>110V</b> <b>60Hz</b>	59-60M4	60	14	110	60	300	2.72	36	IP44	≥4	5.8
	59-80M4	80	14	110	60	405	3.72	36	IP44	≥4	6.0
	59-100M4	100	14	110	60	462	4.25	36	IP44	≥4	6.6
	59-120M4	120	14	110	60	485	4.50	36	IP44	≥4	6.8
	59-140M4	140	11	110	60	501	4.62	36	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M5



∅ 59  
Diameter 59mm

Mechanic Limit+Low Noise + Manual

### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

### Use



### Exploded Drawing



### Motor Dimension

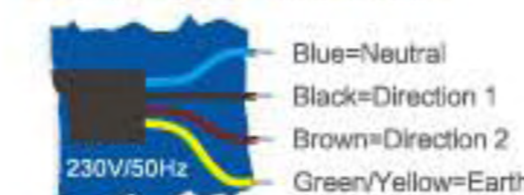


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	59-60M5	60	12	230	50	288	1.25	26	IP44	≥4	5.8
	59-80M5	80	12	230	50	370	1.80	26	IP44	≥4	6.0
	59-100M5	100	12	230	50	441	1.92	26	IP44	≥4	6.6
	59-120M5	120	12	230	50	450	2.00	26	IP44	≥4	6.8
	59-140M5	140	9	230	50	465	2.12	26	IP44	≥4	7.0
<b>110V</b> <b>60Hz</b>	59-60M5	60	14	110	60	300	2.72	26	IP44	≥4	5.8
	59-80M5	80	14	110	60	405	3.72	26	IP44	≥4	6.0
	59-100M5	100	14	110	60	462	4.25	26	IP44	≥4	6.6
	59-120M5	120	14	110	60	485	4.50	26	IP44	≥4	6.8
	59-140M5	140	11	110	60	501	4.62	26	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M6



Ø 59  
Diameter 59mm

Mechanic Limit+Low Noise + Manual

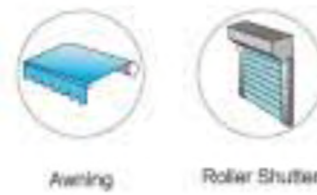
### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

### Exploded Drawing



### Use



### Motor Dimension

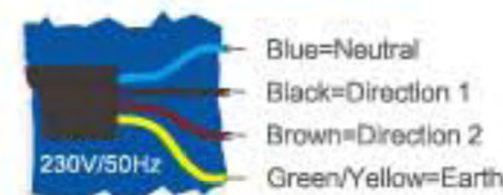


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (tum)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	59-60M6	60	12	230	50	288	1.25	26	IP44	≥4	5.8
	59-80M6	80	12	230	50	370	1.80	26	IP44	≥4	6.0
	59-100M6	100	12	230	50	441	1.92	26	IP44	≥4	6.6
	59-120M6	120	12	230	50	450	2.00	26	IP44	≥4	6.8
	59-140M6	140	9	230	50	465	2.12	26	IP44	≥4	7.0
	59-190M6	190	9	230	50	530	2.45	26	IP44	≥4	8.0
<b>110V</b> <b>60Hz</b>	59-60M6	60	14	110	60	300	2.72	26	IP44	≥4	5.8
	59-80M6	80	14	110	60	405	3.72	26	IP44	≥4	6.0
	59-100M6	100	14	110	60	462	4.25	26	IP44	≥4	6.6
	59-120M6	120	14	110	60	485	4.50	26	IP44	≥4	6.8
	59-140M6	140	11	110	60	501	4.62	26	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M7



Ø 59  
Diameter 59mm

Mechanic Limit+Low Noise + Manual

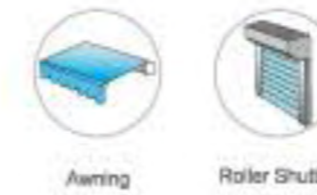
### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

### Exploded Drawing



### Use



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (tum)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	59-60M7	60	12	230	50	288	1.25	26	IP44	≥4	5.8
	59-80M7	80	12	230	50	370	1.80	26	IP44	≥4	6.0
	59-100M7	100	12	230	50	441	1.92	26	IP44	≥4	6.6
	59-120M7	120	12	230	50	450	2.00	26	IP44	≥4	6.8
	59-140M7	140	9	230	50	465	2.12	26	IP44	≥4	7.0
	59-60M7	60	14	110	60	300	2.72	26	IP44	≥4	5.8
<b>110V</b> <b>60Hz</b>	59-80M7	80	14	110	60	405	3.72	26	IP44	≥4	6.0
	59-100M7	100	14	110	60	462	4.25	26	IP44	≥4	6.6
	59-120M7	120	14	110	60	485	4.50	26	IP44	≥4	6.8
	59-140M7	140	11	110	60	501	4.62	26	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-M8



∅ 59  
Diameter 59mm



Mechanic Limit+Low Noise + Manual

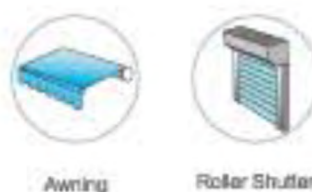
### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally

### Exploded Drawing



### Use



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
230V 50Hz	59-60M8	60	12	230	50	288	1.25	26	IP44	≥4	5.8
	59-80M8	80	12	230	50	370	1.80	26	IP44	≥4	6.0
	59-100M8	100	12	230	50	441	1.92	26	IP44	≥4	6.6
	59-120M8	120	12	230	50	450	2.00	26	IP44	≥4	6.8
110V 60Hz	59-140M8	140	9	230	50	465	2.12	26	IP44	≥4	7.0
	59-60M8	60	14	110	60	300	2.72	26	IP44	≥4	5.8
	59-80M8	80	14	110	60	405	3.72	26	IP44	≥4	6.0
	59-100M8	100	14	110	60	462	4.25	26	IP44	≥4	6.6
	59-120M8	120	14	110	60	485	4.50	26	IP44	≥4	6.8
	59-140M8	140	11	110	60	501	4.62	26	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-RM



∅ 59  
Diameter 59mm



Mechanic Limit+Built-in Receiver+ Manual

### Product Features

- Smooth running, dB level as low as 44dB
- Mechanic Limit with built-in receiver, wireless control, With manual

### Exploded Drawing



### Use



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
230V 50Hz	59-60RM	60	12	230	50	288	1.25	26	IP44	≥4	5.9
	59-80RM	80	12	230	50	370	1.80	26	IP44	≥4	6.1
	59-100RM	100	12	230	50	441	1.92	26	IP44	≥4	6.7
	59-120RM	120	12	230	50	450	2.00	26	IP44	≥4	6.9
	59-140RM	140	9	230	50	465	2.12	26	IP44	≥4	7.1
110V 60Hz	59-60RM	60	14	110	60	300	2.72	26	IP44	≥4	5.9
	59-80RM	80	14	110	60	405	3.72	26	IP44	≥4	6.1
	59-100RM	100	14	110	60	462	4.25	26	IP44	≥4	6.7
	59-120RM	120	14	110	60	485	4.50	26	IP44	≥4	6.9
	59-140RM	140	11	110	60	501	4.62	26	IP44	≥4	7.1

### Picture of wire connection





# TUBULAR MOTOR

## 59-MT



∅ 59  
Diameter 59mm

Mechanic Limit+ Resistance and Rebound + Manual

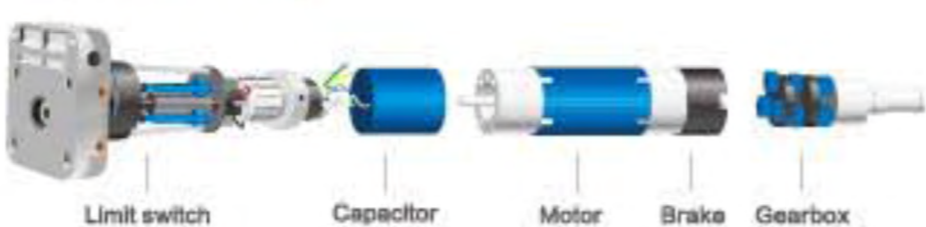
### Product Features

- Smooth running, dB level as low as 44dB
- Mechanic limit with control system(SFEH109+SFRV19), wireless control, Resistance and Rebound

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	59-60MT	60	12	230	50	288	1.25	26	IP44	≥4	5.8
	59-80MT	80	12	230	50	370	1.80	26	IP44	≥4	6.0
	59-100MT	100	12	230	50	441	1.92	26	IP44	≥4	6.6
	59-120MT	120	12	230	50	450	2.00	26	IP44	≥4	6.8
	59-140MT	140	9	230	50	465	2.12	26	IP44	≥4	7.0
<b>110V</b> <b>60Hz</b>	59-60MT	60	14	110	60	300	2.72	26	IP44	≥4	5.8
	59-80MT	80	14	110	60	405	3.72	26	IP44	≥4	6.0
	59-100MT	100	14	110	60	462	4.25	26	IP44	≥4	6.6
	59-120MT	120	14	110	60	485	4.50	26	IP44	≥4	6.8
	59-140MT	140	11	110	60	501	4.62	26	IP44	≥4	7.0

### Picture of wire connection



# TUBULAR MOTOR

## 59-KM



∅ 59  
Diameter 59mm

Mechanic Limit+Fast speed+Manual

### Product Features

- Mechanical limit switch, with accurate limit position.
- Manual override make it possible to operate normally
- High speed, with 26RPM faster than the normal motor

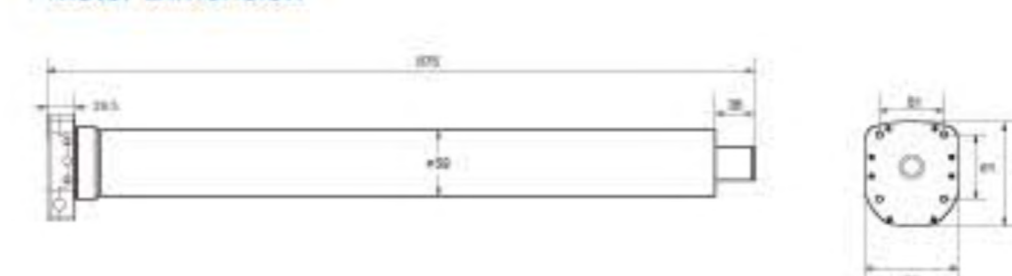
### Use



### Exploded Drawing



### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	59-60KM	60	26	230	50	465	2.12	26	IP44	≥4	6.5
<b>50Hz</b>	59-80KM	80	26	230	50	525	2.42	26	IP44	≥4	6.9

### Picture of wire connection



# TUBULAR MOTOR

## 64-M



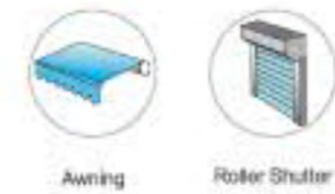
∅ 64  
Diameter 64mm

Mechanic Limit + Manual

### Product Features

- The lift capacity diverse according to the different torque.
- Manual override devices ensure the normal operating in case of emergency and power failure.

### Use



### Exploded Drawing



### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (tum)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	64-140M	140	230	50	460	2.0	36	IP44	≥4	7.8
	64-150M	150	230	50	480	2.1	36	IP44	≥4	7.8
	64-160M	160	230	50	492	2.2	36	IP44	≥4	7.8
	64-180M	180	230	50	520	2.4	36	IP44	≥4	8.2
<b>110V</b> <b>60Hz</b>	64-140M	140	110	60	465	4.3	36	IP44	≥4	7.8
	64-150M	150	110	60	497	4.5	36	IP44	≥4	7.8
	64-160M	160	110	60	505	4.7	36	IP44	≥4	7.8
	61-180M	180	110	60	534	5.1	36	IP44	≥4	8.2

### Picture of wire connection



# TUBULAR MOTOR

## 92-S



∅ 92  
Diameter 92mm

Mechanic Limit

### Product Features

- Mechanic Limit
- Without Manual

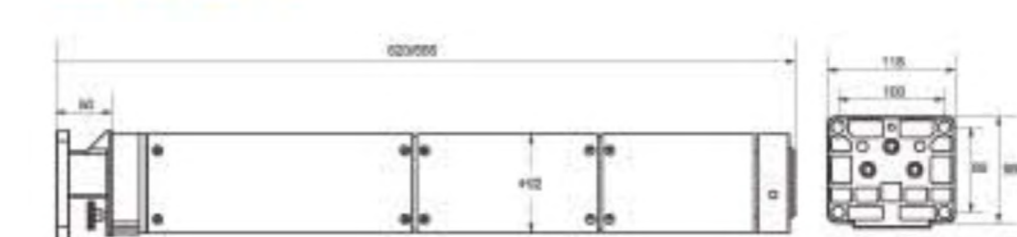
### Use



### Exploded Drawing



### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (tum)	Protection Index (IP)	Running Time (min)	Net Weight (kg)	
<b>230V</b> <b>50Hz</b>	92-140S	140	230	50	580	2.60	13	IP44	≥4	9.5	
	92-180S	180	230	50	626	2.80	13	IP44	≥4	10.5	
	92-230S	230	230	50	830	3.60	13	IP44	≥4	11.5	
	92-300S	300	8	230	50	880	3.80	13	IP44	≥4	13.0
	92-330S	330	8	230	50	910	4.00	13	IP44	≥4	13.5
<b>110V</b> <b>60Hz</b>	92-140S	140	110	60	588	5.35	13	IP44	≥4	9.5	
	92-180S	180	110	60	633	5.78	13	IP44	≥4	10.5	
	92-230S	230	14	110	60	842	7.68	13	IP44	≥4	11.5
	92-300S	300	9.5	110	60	885	8.05	13	IP44	≥4	13.0
	92-330S	330	9.5	110	60	930	8.47	13	IP44	≥4	13.5

### Picture of wire connection



# TUBULAR MOTOR

## 92-M1



Ø 92  
Diameter 92mm

Mechanic Limit + Manual

### Product Features

- Push-pull manual override
- Mechanic Limit
- Without Manual

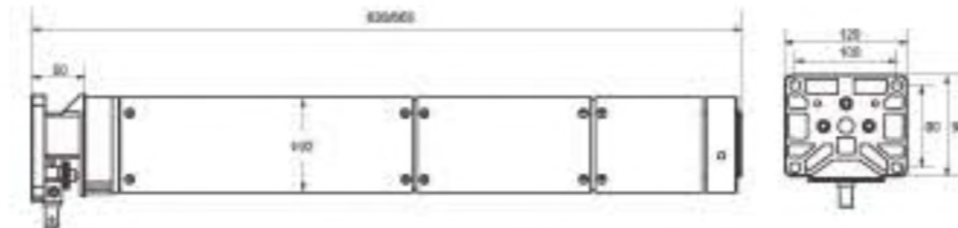
### Use



### Exploded Drawing



### Motor Dimension

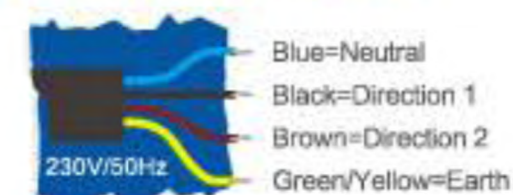


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	92-140M2	140	12	230	50	580	2.60	13	IP44	≥4	10
	92-180M2	180	12	230	50	626	2.80	13	IP44	≥4	11.0
	92-230M2	230	12	230	50	830	3.60	13	IP44	≥4	12
	92-300M2	300	8	230	50	880	3.80	13	IP44	≥4	13.5
	92-330M2	330	8	230	50	910	4.00	13	IP44	≥4	14.0
<b>110V</b> <b>60Hz</b>	92-140M2	140	14	110	60	588	5.35	13	IP44	≥4	10
	92-180M2	180	14	110	60	633	5.78	13	IP44	≥4	11
	92-230M2	230	14	110	60	842	7.68	13	IP44	≥4	12
	92-300M2	300	9.5	110	60	885	8.05	13	IP44	≥4	13.5
	92-330M2	330	9.5	110	60	930	8.47	13	IP44	≥4	14

### Picture of wire connection



# TUBULAR MOTOR

## 92-M2



Ø 92  
Diameter 92mm

Mechanic Limit + Manual

### Product Features

- Direct manual override
- Mechanic Limit
- Without Manual

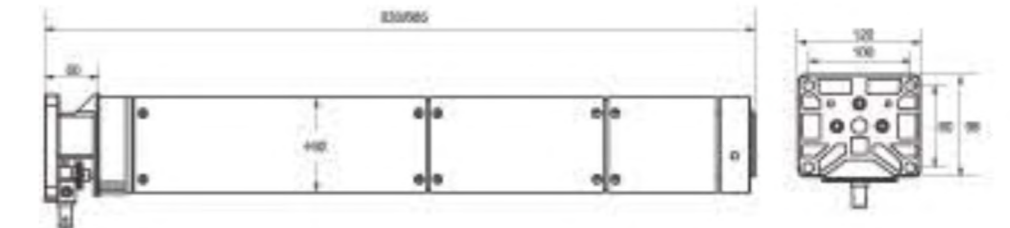
### Use



### Exploded Drawing



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b> <b>50Hz</b>	92-140M2	140	12	230	50	580	2.60	13	IP44	≥4	10
	92-180M2	180	12	230	50	626	2.80	13	IP44	≥4	11.0
	92-230M2	230	12	230	50	830	3.60	13	IP44	≥4	12
	92-300M2	300	8	230	50	880	3.80	13	IP44	≥4	13.5
	92-330M2	330	8	230	50	910	4.00	13	IP44	≥4	14.0
<b>110V</b> <b>60Hz</b>	92-140M2	140	14	110	60	588	5.35	13	IP44	≥4	10
	92-180M2	180	14	110	60	633	5.78	13	IP44	≥4	11
	92-230M2	230	14	110	60	842	7.68	13	IP44	≥4	12
	92-300M2	300	9.5	110	60	885	8.05	13	IP44	≥4	13.5
	92-330M2	330	9.5	110	60	930	8.47	13	IP44	≥4	14

### Picture of wire connection



# TUBULAR MOTOR

## 115-M1



∅ 115  
Diameter 115mm

Mechanic Limit + Manual

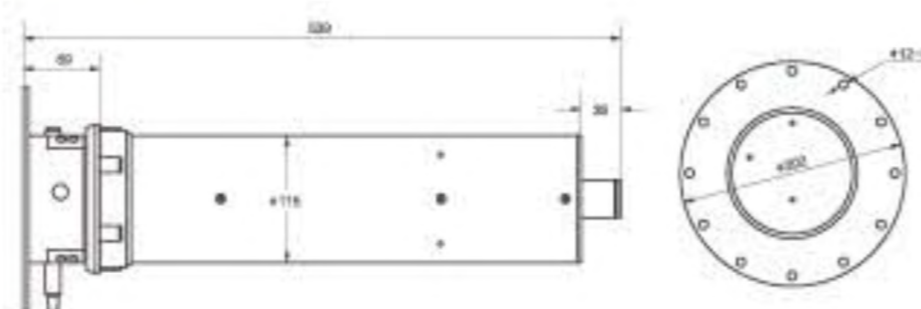
### Product Features

- Mechanic Limit
- Without Manual
- 380V/50Hz available after request

### Exploded Drawing



### Motor Dimension

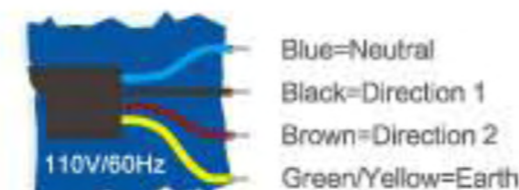
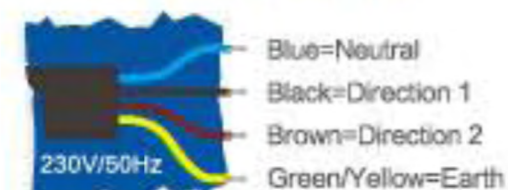


### Specifications



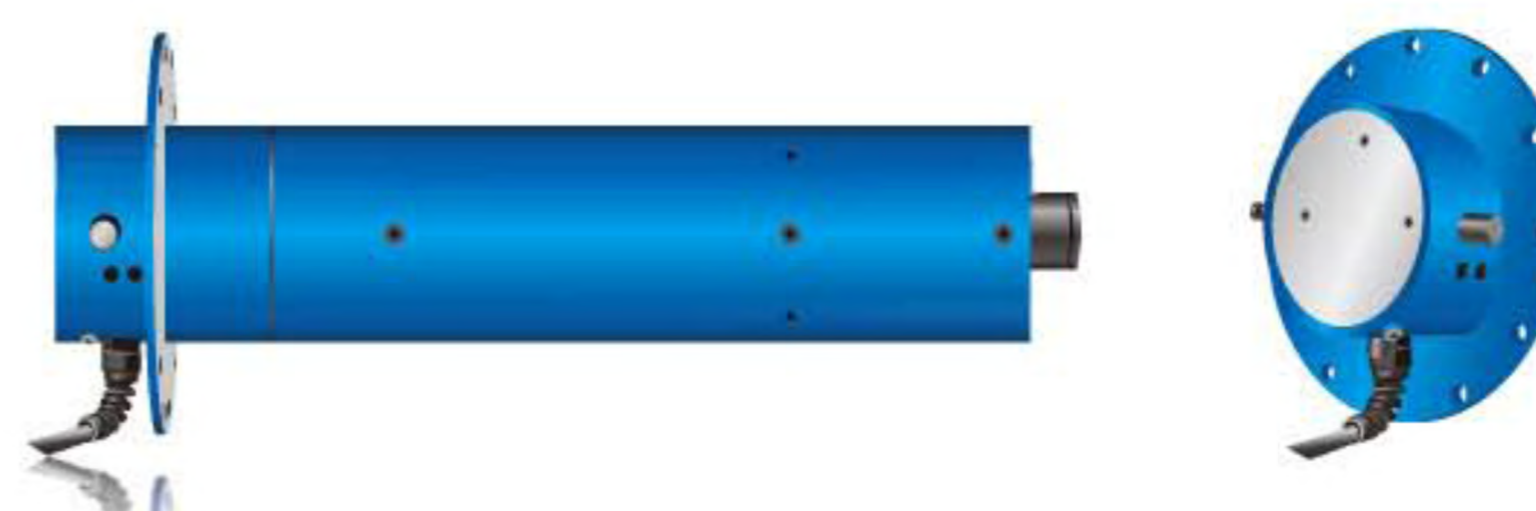
	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	115-500M1	500	7	230	50	1650	7.2	11	IP44	4	20
<b>50Hz</b>	115-600M1	600	7	230	50	1750	7.6	11	IP44	4	20
<b>110V</b>	115-500M1	500	8.4	110	60	1710	15.7	11	IP44	4	20
<b>60Hz</b>	115-600M1	600	8.4	110	60	1810	16.5	11	IP44	4	20
<b>380V</b>	115-500M1	500	7	380	50	1180	2.9	11	IP44	4	20
<b>50Hz</b>	115-600M1	600	7	380	50	1250	3.2	11	IP44	4	20

### Picture of wire connection



# TUBULAR MOTOR

## 115-M2



∅ 115  
Diameter 115mm

Mechanic Limit + Manual

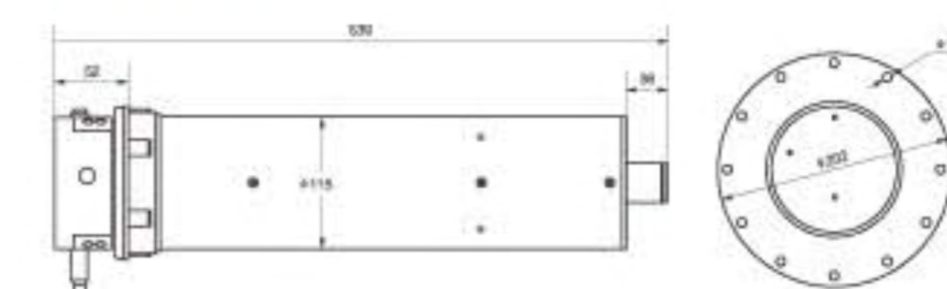
### Product Features

- Mechanic Limit
- Without Manual
- 380V/50Hz available after request

### Exploded Drawing



### Motor Dimension



### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	115-500M2	500	7	230	50	1650	7.2	11	IP44	4	20
<b>50Hz</b>	115-600M2	600	7	230	50	1750	7.6	11	IP44	4	20
<b>110V</b>	115-500M2	500	8.4	110	60	1710	15.7	11	IP44	4	20
<b>60Hz</b>	115-600M2	600	8.4	110	60	1810	16.5	11	IP44	4	20
<b>380V</b>	115-500M1	500	7	380	50	1180	2.9	11	IP44	4	20
<b>50Hz</b>	115-600M1	600	7	380	50	1250	3.2	11	IP44	4	20

### Picture of wire connection



# TUBULAR MOTOR

## 45-50M1.L-ZY



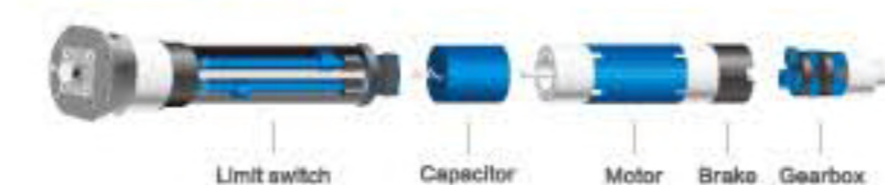
∅45  
Diameter 45mm

Mechanic Limit+Low Noise + Manual

### Product Features

- Mechanical limit switch, with accurate limit position.
- Easy installation and smooth running, dB level below 42dB.
- Manual override make it possible to operate normally in case of power failure.

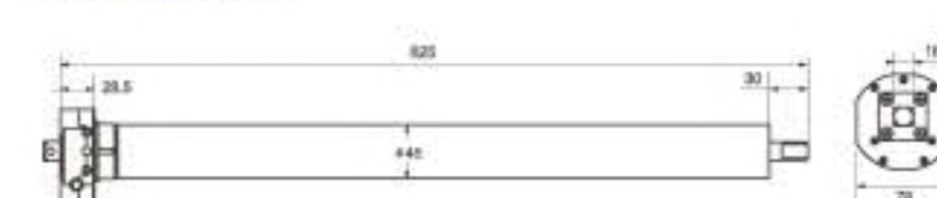
### Exploded Drawing



### Use



### Motor Dimension



### Specifications



Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
45-50M1.L-ZY	50	12	230	50	235	1.1	30	IP44	8	3.2

### Picture of wire connection



# AWNING MOTOR

# TUBULAR MOTOR

## 45-50S2-ZY



∅45  
Diameter 45mm

Mechanic Limit+Low Noise

### Product Features

- Smooth running, dB level as low as 45dB.
- Standard mechanical limit switch, with accurate limit position.
- Particular for motorized projects with weight below 50 KG, the blinds, the screens and the shutters etc.

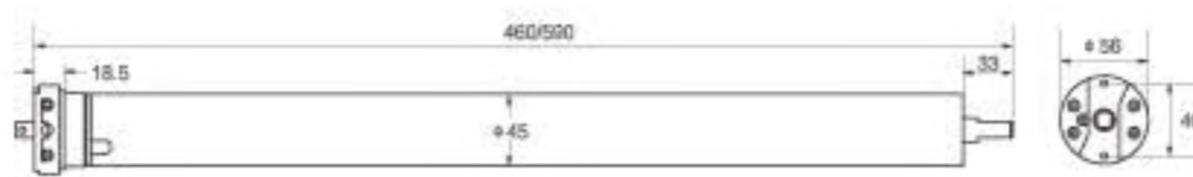
### Exploded Drawing



### Use



### Motor Dimension

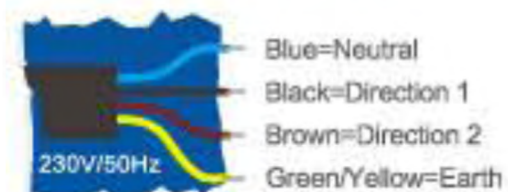


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	45-50S2-ZY	50	12	230	50	235	1.1	25	IP44	8	3.2
<b>50Hz</b>	45-50S2.L-ZY	50	12	230	50	235	1.1	50	IP44	8	3.2

### Picture of wire connection



# TUBULAR MOTOR

## 45-50R-ZY



∅45  
Diameter 45mm

Mechanic Limit+Built-in Receiver

### Product Features

- Smooth running, dB level as low as 42dB
- Mechanic Limit switch With built-in receiver, wireless control

### Exploded Drawing



### Use



### Motor Dimension

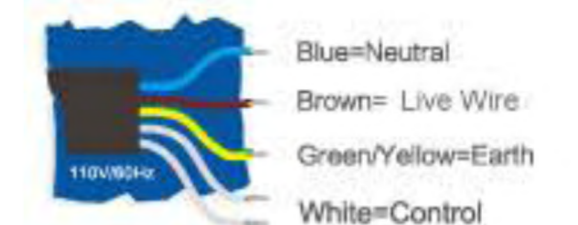


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
<b>230V</b>	45-50R-ZY	50	12	230	50	235	1.1	25	IP44	8	3.4
<b>50Hz</b>											

### Picture of wire connection



# TUBULAR MOTOR 45-50RM-ZY



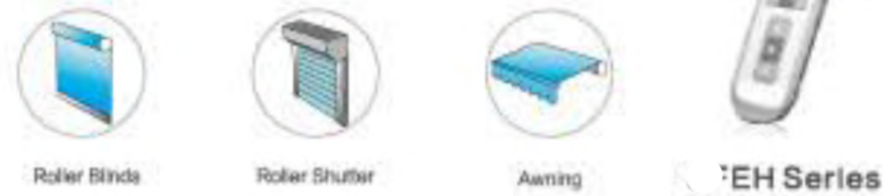
∅ 45  
Diameter 45mm

Mechanic Limit+Built-in Receiver+Manual

### Product Features

- Smooth running, dB level as low as 44dB
- Mechanic Limit with built-in receiver, wireless control, with manual

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
45-50RM-ZY	50	12	230	50	235	1.1	30	IP44	8	3.4

### Picture of wire connection



# TUBULAR MOTOR 45-50E-ZY



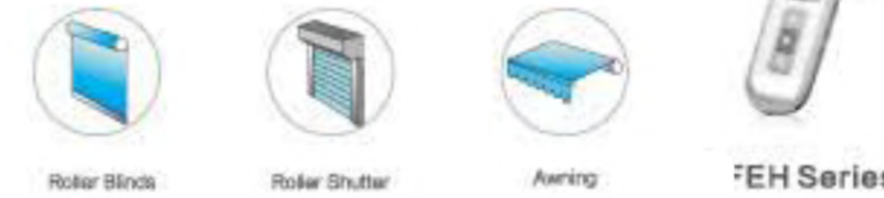
∅ 45  
Diameter 45mm

Electronic Limit Switch+Built-in Receiver

### Product Features

- Smooth running, dB level as low as 45dB.
- Electronic Limit Switch with accurate limit position.
- Extra Model: Set up the third point limit Resistance and rebound

### Use



### Exploded Drawing



### Motor Dimension



### Specifications

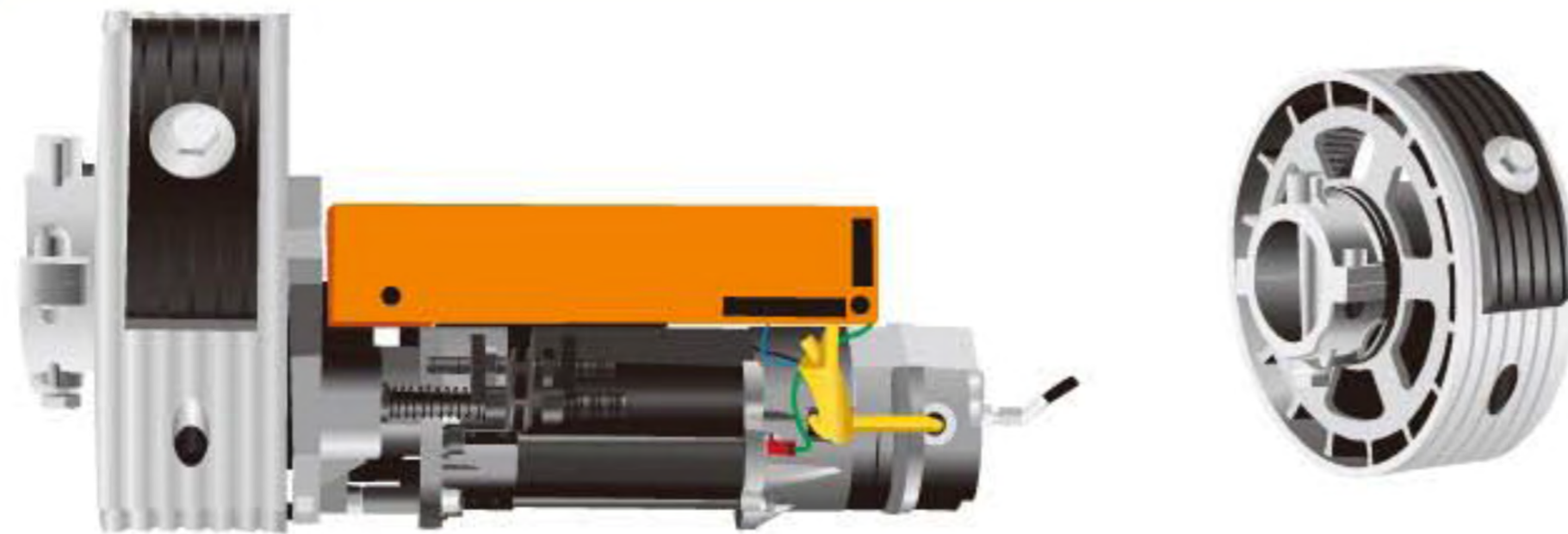
Model	Torque (N.m)	Rotating (rpm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Limit Turns (turn)	Protection Index (IP)	Running Time (min)	Net Weight (kg)
45-50E-ZY	50	12	230	50	235	1.1	25	IP44	8	3.2

### Picture of wire connection



# CENTRAL MOTOR

## 200/60-R



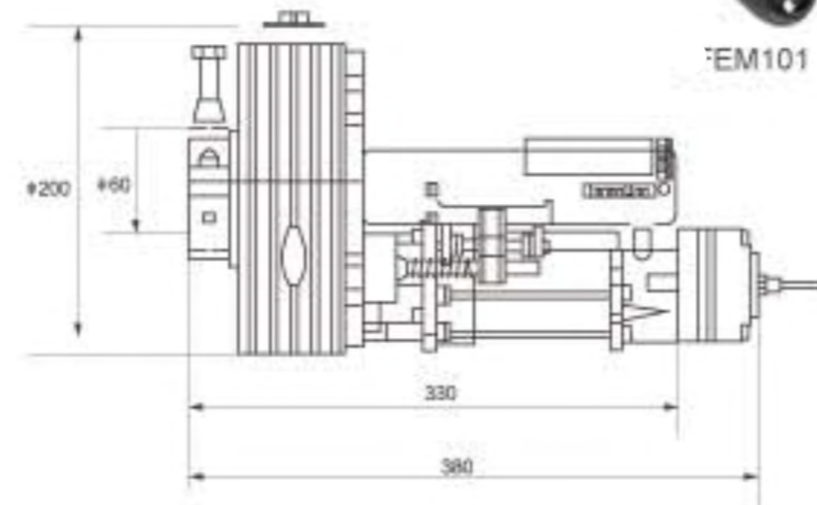
Ø 200  
Diameter 200mm

Mechanic Limit+Build-in Receiver

### Product Features

- Can work with Ø200-260 mm springs together.
- Optional electromagnetic brake available, for emergency or power failure cases to open the door.
- Easy installation, no need to use crown and adaptors.
- The receiver is combined with the motor control circuit together, using the transmitter to control the motor.

### Motor Dimension



### Specifications

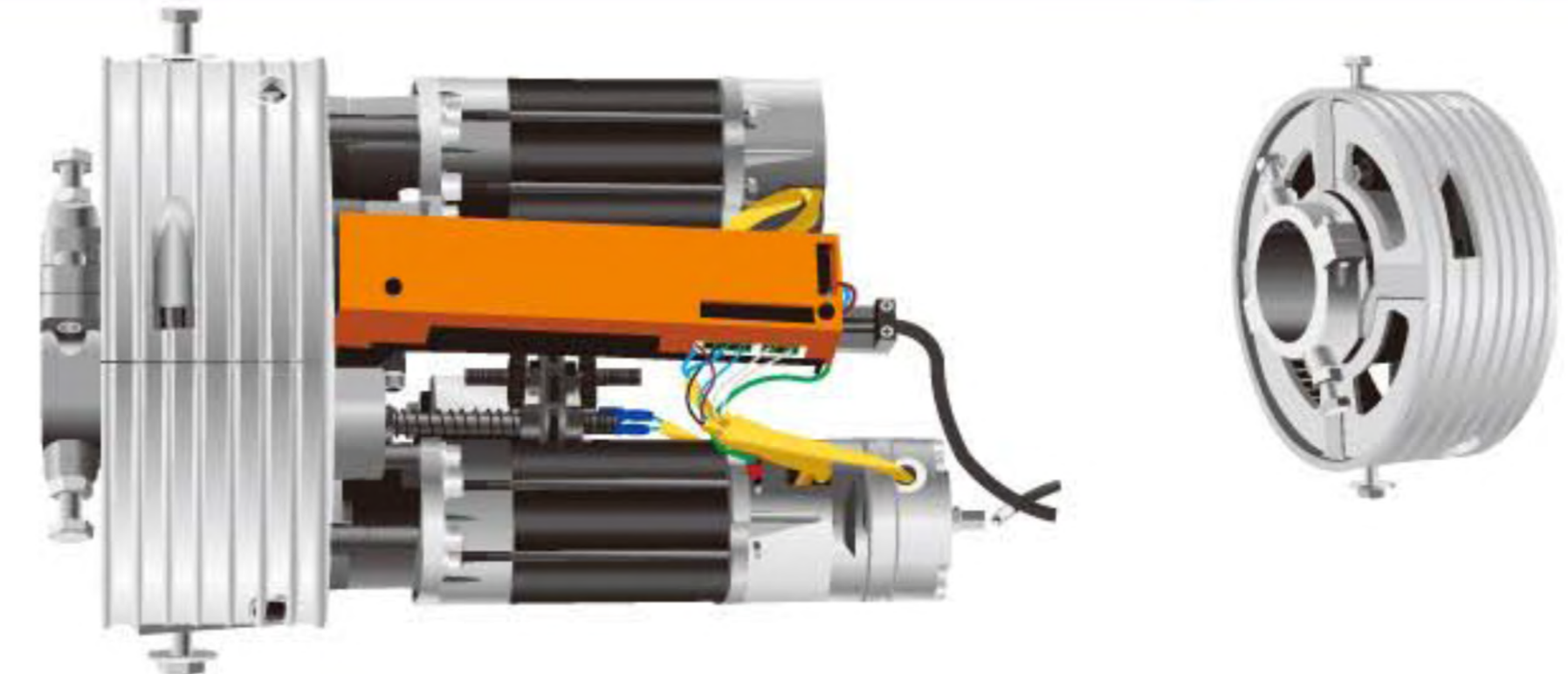
	Model	Torque (N.m)	Rotating (rpm)	Running Time (min)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Lifting capacity (Kg)	Tube dia. (mm)	Pulley (mm)	Weight (Kg)
230V 50Hz	200/60-120R	120	10	≥4	230	50	460	2.0	120	60	200-220	8.6
	200/60-150R	150	10	≥4	230	50	520	2.3	160	60	200-220	9.1
	200/60-180R	180	10	≥4	230	50	580	2.6	200	60	200-220	10.6
110V 60Hz	200/60-120R	120	12	≥4	110	60	530	4.3	120	60	200-220	8.6
	200/60-150R	150	12	≥4	110	60	590	5.0	160	60	200-220	9.1
	200/60-180R	180	12	≥4	110	60	635	5.5	200	60	200-220	10.6

### Picture of wire connection



# CENTRAL MOTOR

## 240/76



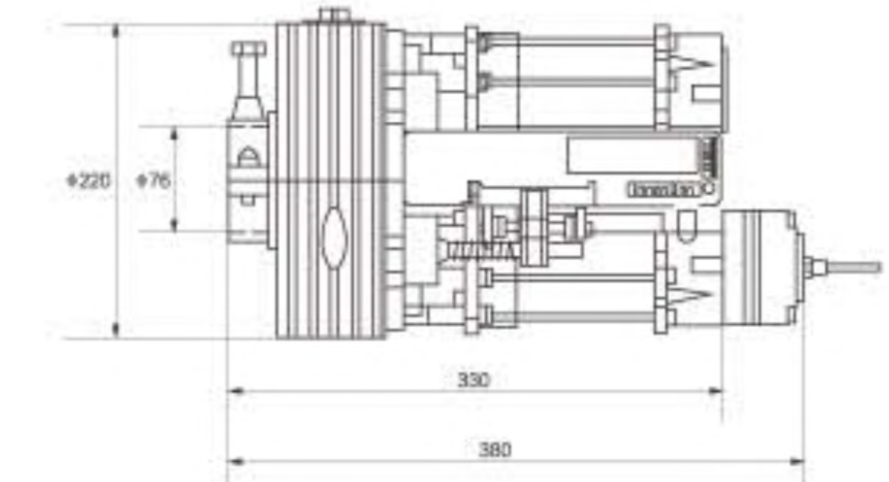
Ø 220  
Diameter 220mm

Mechanic Limit+Low Noise

### Product Features

- Can work with Ø200-260 mm springs together.
- Optional electromagnetic brake available, for emergency or power failure cases to open the door.
- Easy installation, no need to use crown and adaptor.

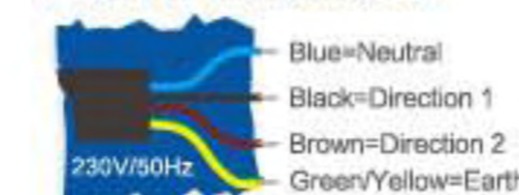
### Motor Dimension



### Specifications

	Model	Torque (N.m)	Rotating (rpm)	Running Time (min)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Lifting capacity (Kg)	Tube dia. (mm)	Pulley (mm)	Weight (Kg)
230V	240/76-360H	360	8	≥4	230	50	880	3.9	300	76	240-260	14.6
50Hz	240/76-420H	420	8	≥4	230	50	1000	4.5	360	76	240-260	15.1
110V	240/76-360H	360	10	≥4	110	60	1000	8.5	300	76	240-260	14.6
60Hz	240/76-420H	420	10	≥4	110	60	1140	9.6	360	76	240-260	15.1

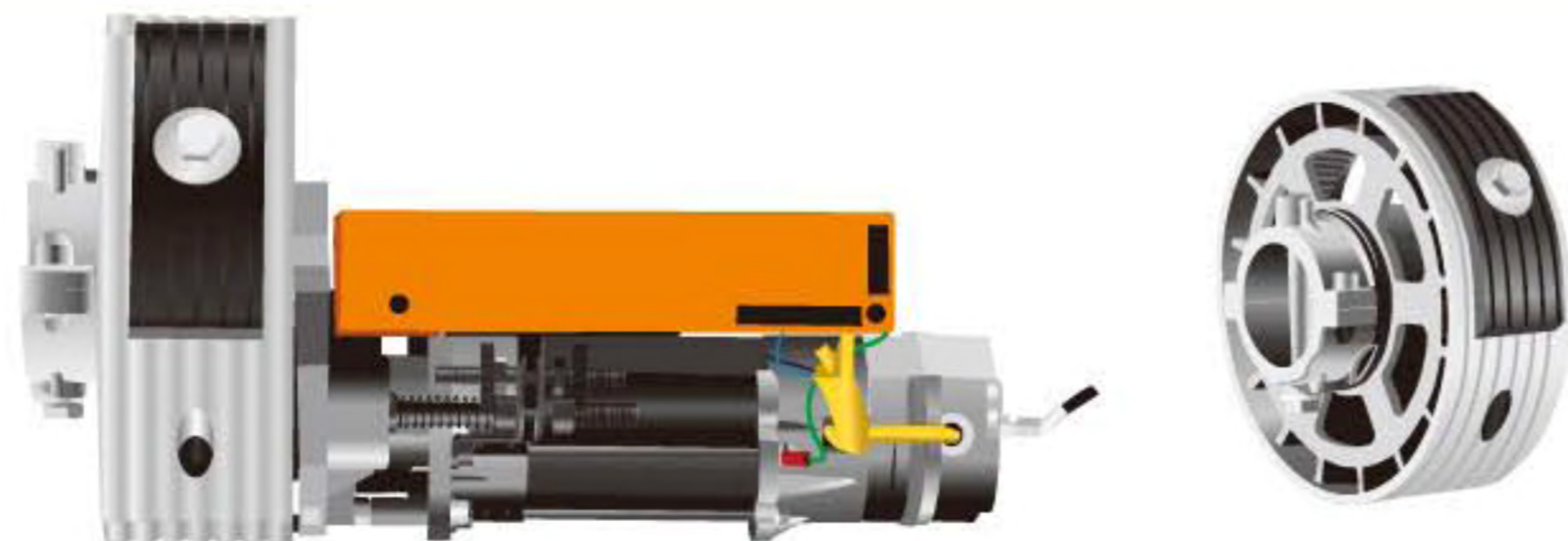
### Picture of wire connection





# CENTRAL MOTOR

## 200/60



Ø 200  
Diameter 200mm

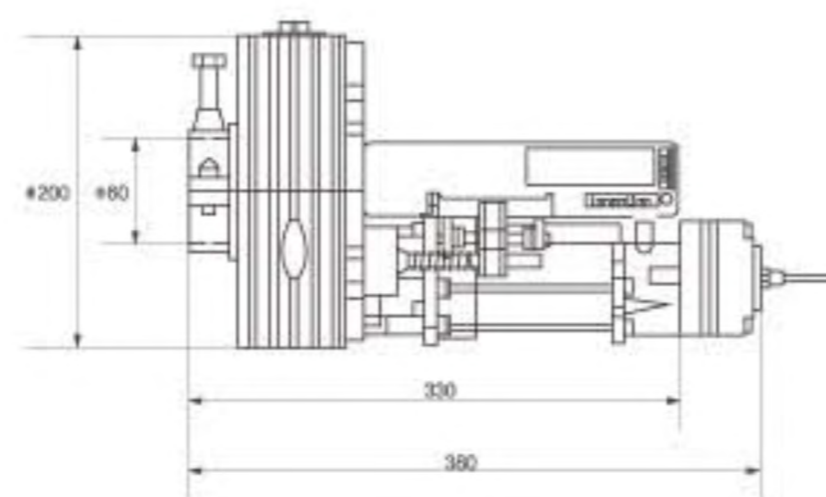


Mechanic Limit+Low Noise

### Product Features

- Can work with Ø200-260 mm springs together.
- Optional electromagnetic brake available, for emergency or power failure cases to open the door.
- Easy installation, no need to use crown and adaptor.

### Motor Dimension

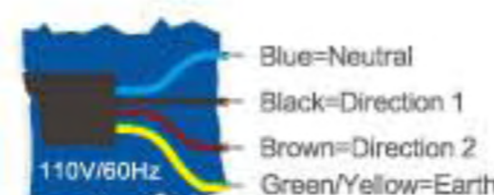


### Specifications



	Model	Torque (N.m)	Rotating (rpm)	Running Time (min)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (A)	Lifting capacity (Kg)	Tube dia. (mm)	Pulley (mm)	Weight (Kg)
<b>230V</b> 50Hz	200/60-120H	120	10	≥4	230	50	460	2.0	120	60	200-220	8.5
	200/60-150H	150	10	≥4	230	50	520	2.3	160	60	200-220	9.0
	200/60-180H	180	10	≥4	230	50	580	2.6	200	60	200-220	10.5
<b>110V</b> 60Hz	200/60-120H	120	12	≥4	110	60	530	4.3	120	60	200-220	8.5
	200/60-150H	150	12	≥4	110	60	590	5.0	160	60	200-220	9.0
	200/60-180H	180	12	≥4	110	60	635	5.5	200	60	200-220	10.5

### Picture of wire connection

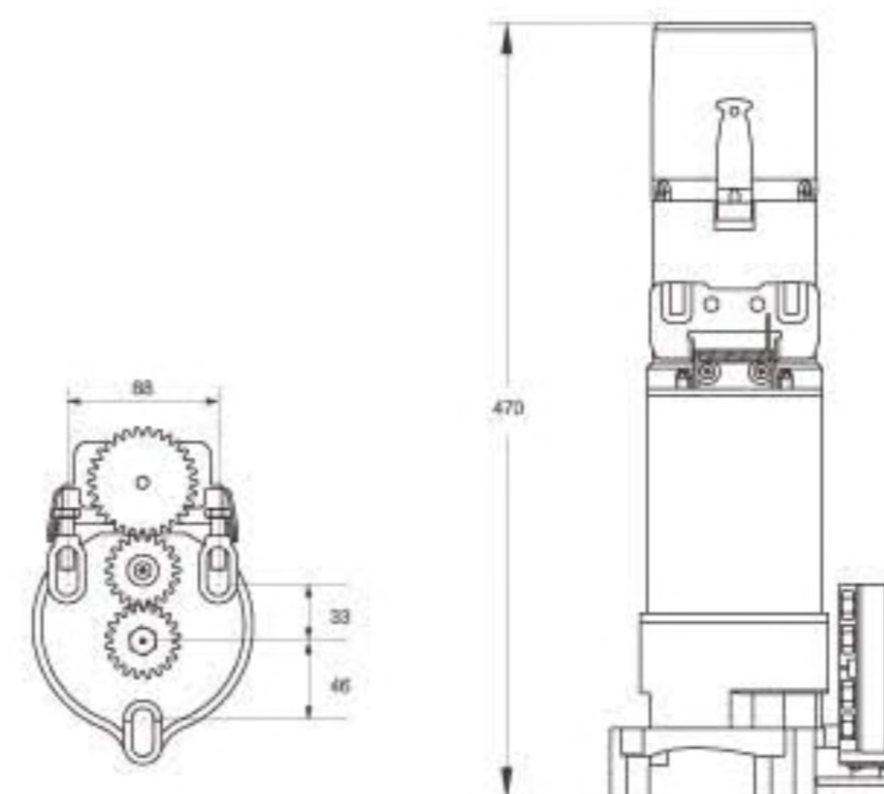


# SIDE MOTOR SERIES

### Product Features

With electric and manual function, ideal accessory product for modern building. With overheat protection, when the temperature reaches 155°C, it will automatic cut the power to protect the motor. When the temperature goes down to 70°C( about 7 Minutes ), the motor can work again. Low noise, low vibration, low power consumption.

### Motor Dimension

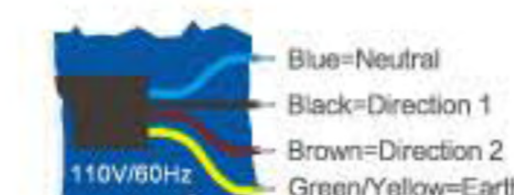


### Specifications



	Model	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power (W)	Rated Current (Kg.f)	Torque (N.m)	Rotating (rpm)	Rated Current (A)	Running Time (min)	Weight (Kg)	Weight
<b>230V</b> 50Hz	W300-A/1P	230	50	250	300	250	6.2	6	≥5	10	10A
	W600-A/1P	230	50	370	600	420	6.5	6	≥5	11.7	10A
	W800-A/1P	230	50	400	800	650	5.3	9	≥5	13	10A
	W1000-A/1P	230	50	420	1000	820	5.5	9	≥5	14.0	12A

### Picture of wire connection



# TRANSMITTER CONTROL SYSTEM



## EH201

Frequency: 433.92MHz  
Control: Single Channel  
Encode: Rolling Code / Fixedcode  
Power:  $\leq 10\text{mW}$   
Power Supply: 3Vdc  
Battery Model: R2430  
Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
Class: IP30  
Dimension: 131 x 46 x 17mm



## EH204

Frequency: 433.92MHz  
Control: 4 Channel  
Encode: Rolling Code  
Power:  $\leq 10\text{mW}$   
Power Supply: 3Vdc  
Battery Model: R2430  
Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
Class: IP30  
Dimension: 131 x 46 x 17mm

## Product Features

- Equipped with a wall bracket, operate easily and flexibly
- Delicate in appearance, ABS material for shell.
- Design in ultra-low consumption, with sophisticated SMT technology, extend the product's life
- Encode with Rolling code, provide security and stability
- Use frequency in 433.92MHz,
- AM mode with high sensitivity and strong anti-jamming
- EH209 has three model:
  - EH209-8(8Channels), SFEH209-16 (16Channels), SFEH209-T(Timer)



## EH209

Frequency: 433.92MHz  
Control: 8 Channels / 16Channels / Timer  
Encode: Rolling Code  
Power:  $\leq 10\text{mW}$   
Power Supply: 3Vdc  
Battery Model: R2430  
Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
Class: IP30  
Dimension: 131 x 46 x 17mm

# CONTROL SYSTEM TRANSMITTER



## Product Features

The series of products have stable performance, outstanding durable, elegant appearance. Suitable for multi-applications, strong adaptability. Encode with Rolling code, provide security and stability. Use frequency in 433.92MHz, AM mode with high sensitivity and strong anti-jamming. Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30

# TRANSMITTER CONTROL SYSTEM



## EH301

### Product Features

Frequency: 433.92MHz  
 Control: 1 Channel  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30  
 Dimension: 125 x 46 x 12mm



## EH-302

### Product Features

Frequency: 433.92MHz  
 Control: 2 Channels  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30  
 Dimension: 125 x 46 x 12mm



## EH-304

### Product Features

Frequency: 433.92MHz  
 Control: 4 Channels  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30  
 Dimension: 125 x 46 x 12mm

# CONTROL SYSTEM

## TRANSMITTER



### Product Features

Unique product modeling Ergonomic Design  
 The serie of products have stable performance,  
 outstanding durable, elegant appearance.  
 Suitable for multi-applications, strong adaptability.  
 Encode with Rolling code, provide security and stability  
 Use frequency in 433.92MHZ,  
 AM mode with high sensitivity and strong anti-jamming

Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30

# CONTROL SYSTEM

## TRANSMITTER



### EH401

#### Product Features

Frequency: 433.92MHz  
 Control: 1 Channel  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30  
 Dimension: 130 x 44 x 15mm



### EH404

#### Product Features

Frequency: 433.92MHz  
 Control: 4 Channels  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30  
 Dimension: 130 x 44 x 15mm



### EH409

#### Product Features

Frequency: 433.92MHz  
 Control: 8 Channels/ 16Channels / Timer  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2450  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30  
 Dimension: 130 x 44 x 15mm

# CONTROL SYSTEM

## TRANSMITTER



### Product Features

Silicone keys, feel comfortable  
Using 1.5V battery, outstanding durable  
Encode:Rolling Code  
Power: ≤10mW  
Power Supply:3Vdc  
Battery Model:AAA  
Working Temp.: -10° C~+50°C  
Class: IP30

# CONTROL SYSTEM

## TRANSMITTER



### EH601

#### Product Features

Frequency:433.92MHz  
Control: 1 Channel  
Encode:Rolling Code  
Power: ≤10mW  
Power Supply:3Vdc  
Battery Model:AAA  
Working Temp.: -10° C~+50°C  
Class: IP30  
Dimension: 130x 44.5 x 15mm



### EH602

#### Product Features

Frequency:433.92MHz  
Control: 2 Channels  
Encode:Rolling Code  
Power: ≤10mW  
Power Supply:3Vdc  
Battery Model:AAA  
Working Temp.: -10° C~+50°C  
Class: IP30  
Dimension: 130x 44.5 x 15mm

# CONTROL SYSTEM

## TRANSMITTER



### Product Features

This series of products, simple and easy to shape, product expansibility  
The series of products have stable performance, outstanding durable, elegant appearance. Suitable for multi-applications, strong adaptability.  
Encode with Rolling code, provide security and stability  
Use frequency in 433.92MHZ,  
AM mode with high sensitivity and strong anti-jamming

Encode: Rolling Code  
Power: ≤10mW  
Power Supply: 3Vdc  
Battery Model: CR2450  
Working Temp.: -10° C~+50°C  
Class: IP30



### EH801

#### Product Features

Frequency: 433.92MHz  
Control: 1 Channel  
Encode: Rolling Code  
Power: ≤10mW  
Power Supply: 3Vdc  
Battery Model: CR2450  
Working Temp.: -10° C~+50°C  
Class: IP30  
Dimension: 125 x 46 x 12mm

# CONTROL SYSTEM

## TRANSMITTER



### EH802

#### Product Features

Frequency: 433.92MHz  
Control: 2 Channels  
Encode: Rolling Code  
Power: ≤10mW  
Power Supply: 3Vdc  
Battery Model: CR2450  
Working Temp.: -10° C~+50°C  
Class: IP30  
Dimension: 125 x 46 x 12mm



### EH804

#### Product Features

Frequency: 433.92MHz  
Control: 4 Channels  
Encode: Rolling Code  
Power: ≤10mW  
Power Supply: 3Vdc  
Battery Model: CR2450  
Working Temp.: -10° C~+50°C  
Class: IP30  
Dimension: 125 x 46 x 12mm



### EH809

#### Product Features

Frequency: 433.92MHz  
Control: 8 Channels/ 16Channels  
Encode: Rolling Code  
Power: ≤10mW  
Power Supply: 3Vdc  
Battery Model: CR2450  
Working Temp.: -10° C~+50°C  
Class: IP30  
Dimension: 125 x 46 x 12mm



### EH809-T

#### Product Features

Frequency: 433.92MHz  
Control: Timer  
Encode: Rolling Code  
Power: ≤10mW  
Power Supply: 3Vdc  
Battery Model: CR2450  
Working Temp.: -10° C~+50°C  
Class: IP30  
Dimension: 125 x 46 x 12mm

# CONTROL SYSTEM WALL-MOUNTED EMITTER



### Product Features

Wall emitter, circular shape, hand shake hands feel good  
 Outer ring parts, adopt electroplating process, more high-end  
 The series of products have stable performance,  
 outstanding durable, elegant appearance.  
 Suitable for multi-applications, strong adaptability.  
 Encode with Rolling code, provide security and stability  
 Use frequency in 433.92MHz,  
 AM mode with high sensitivity and strong anti-jamming  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2430  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30



# WALL-MOUNTED EMITTER CONTROL SYSTEM



### EW701

#### Product Features

Frequency: 433.92MHz  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2430  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30



Wall holder



### EW702

#### Product Features

Frequency: 433.92MHz  
 Encode: Rolling Code  
 Power:  $\leq 10\text{mW}$   
 Power Supply: 3Vdc  
 Battery Model: CR2430  
 Working Temp.:  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$   
 Class: IP30



Wall holder

# CONTROL SYSTEM WALL-MOUNTED EMITTER

# CONTROL SYSTEM TRANSMITTER

Emitter: Handheld emitter portable emitter wall-mounted emitter

### Product Features

Button icon adopt silk-screen, provide excellent, wear-resisting appearance. Without wire connection, can install freely in any position on the wall. With sophisticated SMT technology, moisture proof surface. Design in ultra-low consumption, battery life 2-3 years. Compatible with all SCVE Receiver.

Model: EW401  
 Frequency: 433.92MHz  
 Control: Single Channel  
 Encode: Rolling Code  
 Power: ≤ 10mW  
 Power Supply: 3Vdc  
 Battery Model: CR2430  
 Working Temperature: -10° C ~ +50° C  
 Class: IP30  
 Dimension: 80 × 80 × 20mm

EW401 is a kind of wall-mounted emitter, with UP, DOWN, STOP switch function, it can control motorized roller blinds together with any receiver.



EW401

Model: EW402  
 Frequency: 433.92MHz  
 Control: Dual channel  
 Encode: Rolling Code  
 Power: ≤ 10mW  
 Power Supply: 3Vdc  
 Battery Model: CR2430  
 Working Temperature: -10° C ~ +50° C  
 Class: IP30  
 Dimension: 80 × 80 × 20mm

EW402 is a kind of wall-mounted emitter, with UP, DOWN, STOP switch function, it can control motorized roller blinds together with any receiver.



EW402



EMPL04

Model: EMPL04  
 Four-button transmitter  
 Frequency: 433.92MHz;  
 slide design, effectively prevent misuse;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension: 67.3\*14\*13.8mm



EMPL05

Model: EMPL05  
 Four-button transmitter  
 Frequency: 433.92MHz;  
 slide design, effectively prevent misuse;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension: 58.5\*29.7\*14.5mm



EM228

Model: EM228  
 Four-button transmitter  
 Frequency: 433.92MHz;  
 slide design, effectively prevent misuse;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension: 64\*39\*10mm



EM-SWITCH

Model: FEM-SWITCH  
 Four-button transmitter  
 Frequency: 433.92MHz;  
 slide design, effectively prevent misuse;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension: 49\*35.5\*13.8mm



# CONTROL SYSTEM TRANSMITTER



**EM101**

Model: EM101  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:12Vdc  
 Battery Model:12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:64 × 32 × 15mm



**EM102**

Model: EM102  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:12Vdc  
 Battery Model:12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:70 × 32.5 × 13mm



**EM102-4C**

Model: EM102-4C  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:12Vdc  
 Battery Model:12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:70 × 32.5 × 13mm



**EM103**

Model: EM103  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2032  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension: 55 x 30 x12 mm



**EM103-4C**

Model: EM103-4C  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2032  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension: 55 x 30 x12 mm

# CONTROL SYSTEM TRANSMITTER



**EM106**

Model: EM106  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:12Vdc  
 Battery Model:12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:57 × 31 × 15mm



**EM106-4C**

Model: EM106-4C  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:12Vdc  
 Battery Model:12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:57 × 31 × 15mm



**EM107**

Model: EM107  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code  
 Power:≤10mW  
 Power Supply:9Vdc  
 Battery Model:9V/32A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:61 × 32 × 15mm



**EM107-4C**

Model: EM107-4C  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code  
 Power:≤10mW  
 Power Supply:9Vdc  
 Battery Model:9V/32A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:61 × 32 × 15mm



**EM108**

Model: EM108  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code /Rolling Code  
 Power:≤10mW  
 Power Supply:12Vdc  
 Battery Model:12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:64 × 32 × 14mm



**EM108-4C**

Model: EM108-4C  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code /Rolling Code  
 Power:≤10mW  
 Power Supply:12Vdc  
 Battery Model:12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:64 × 32 × 14mm

# CONTROL SYSTEM TRANSMITTER

# TRANSMITTER CONTROL SYSTEM



**EM109**

Model: EM109  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2032  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:70×32.5×13mm



**EM109-4C**

Model: EM109-4C  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply:3Vdc  
 Battery Model:CR2032  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension:70×32.5×13mm



**EM221**

Model EM221  
 Two-button transmitter,  
 Frequency: 433.92Mhz;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension Size: 62 \* 35 \* 18mm



**EM222**

Model EM222  
 Two-button transmitter  
 Frequency: 433.92Mhz;  
 slide design, effectively prevent misuse;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension Size: 66 \* 32 \* 16.5mm



**EM119**

Model: EM119  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply: 12V  
 Battery Model: 12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension: 66.5x 37 x15 mm



**EM119-4C**

Model: EM119-4C  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply: 12V  
 Battery Model: 12V/27A  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension: 66.5x 37 x15 mm



**EMPL01**

Model: EMPL01  
 Frequency:433.92MHz  
 Control: Single Channel  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply: 3V  
 Battery Model: 3V/CR2032  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension: 61.8\*30\*13.7mm



**EMPL02-1**

Model: EMPL02-1  
 One-button transmitter  
 Frequency: 433.92Mhz;  
 slide design, effectively prevent misuse;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension: 44.7\*31.8\*12.5mm



**EMPL02-2**

Model: EMPL02-2  
 Two-button transmitter  
 Frequency: 433.92Mhz;  
 slide design, effectively prevent misuse;  
 Appearance compact, easy to carry;  
 Encode: Fixed code  
 Dimension: 44.7\*31.8\*12.5mm



**EMPL03**

Model: EMPL03  
 Frequency:433.92MHz  
 Control: 4 Channels  
 Encode: Fixed Code/Rolling Code  
 Power:≤10mW  
 Power Supply: 3V  
 Battery Model: 3V/CR2032  
 Working Temperature:-20° C--+60° C  
 Class:IP30  
 Dimension: 54\*33\*14mm

# CONTROL SYSTEM

## RECEIVER



### RV01

Model: RV01  
Frequency:433.92MHz  
Encode: Fixed Code/Rolling Code  
Load Power:≤1700W  
Class:IP65  
Rated Voltage:230V/50Hz,115V/60Hz  
Dimension:166.5×125×68.5mm



### RV02

Model: RV02  
Frequency:433.92MHz  
Encode: Fixed Code/Rolling Code  
Load Power:≤800W  
Class:IP65  
Rated Voltage: 230V/50Hz,115V/60Hz  
Dimension:150×120×66.5mm

## RECEIVER

# CONTROL SYSTEM



### RV03

Model: RV03  
Frequency:433.92MHz;  
Encode:Fixed Code/Rolling Code  
Load Power:≤1700W  
Class: IP65  
Rated Voltage: 230V/50HZ(115V60HZ);  
Dimension:180×142×66mm



### RV09

Model: RV09  
Frequency:433.92MHz  
Encode: Fixed Code/Rolling Code  
Load Power:≤1200W  
Rated Voltage: 230V/50Hz,115V/60Hz  
Working Temperature:-10° C~+55° C  
Dimension:110×73.8×44mm

# CONTROL SYSTEM

## RECEIVER



**RV05** Tubular motor receiver

Tubular motor general features

Model: RV05  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 40mm



**RV06** Tubular motor receiver

Tubular motor general features

Model: RV06  
 Frequency: 433.92MHz  
 Encode: Fixed Code/Rolling Code  
 Load Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10° C~+55° C  
 Dimension: 110 × 58 × 36mm



## RECEIVER

# CONTROL SYSTEM



**RV07** Tubular motor receiver

Tubular motor general features

Model: RV07  
 Frequency: 433.92MHz;  
 Encode: Fixed Code  
 Load Power: ≤800W  
 Rated Voltage: 230V/50HZ(115V/60HZ);  
 Working Temperature: -10°C~ +55°C  
 Dimension: 101×60×36mm



**RV08** Tubular motor receiver

Tubular motor general features

Model: RV08  
 Frequency: 433.92MHz  
 Encode: Fixed Code  
 Load Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V 60Hz  
 Working Temperature: -10° C~+55° C  
 Dimension: 122 × 82 × 40mm



**RV16** Tubular motor receiver

Tubular motor general features

Model: RV16  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 110V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 46mm



# CONTROL SYSTEM

## RECEIVER



**RV11** Tubular motor receiver

RV11 general features:  
 Tubular motor general features  
 Model: RV11  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 40mm



**RV11-A** Side motor receiver

1. Side motor general remote functions  
 2. Up, down, Single Channel/Four Channels switchable

Model: RV11-A  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 40mm



**RV11-8B** Side motor receiver

1. Side motor general remote functions  
 2. Up, down, Single Channel/Four Channels switchable  
 3. Warning light, photocell, rebound function  
 4. Auto-close function

Model: RV11-8B  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 40mm



**RV11-C** Side motor receiver

1. Separable side motor remote control  
 2. General up, down, stop functions

Model: RV11-C  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤1200W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 40mm



# CONTROL SYSTEM

## RECEIVER



**RV12-JI** Tubular motor receiver

1. Up, down, Single Channel/Four Channels switchable  
 2. External switch box, photocell, warning light  
 3. Auto-close function  
 Model: RV12-JI  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 130x 82 x 46mm



**RV12-Side motor** Side motor remote control

1. Warning light, photocell  
 2. Single Channel/Four Channels switchable  
 3. Photocell/rebound switchable  
 4. Open/Close running time adjustable

Model: RV12-Side motor  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 130x 82 x 46mm



**RV12-Double** Tubular motor receiver

Tubular motor general features  
 Double channel receiver, can control two motors

Model: RV12-Double  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 130x 82 x 46mm



# CONTROL SYSTEM

## RECEIVER



**RV17** Tubular motor receiver

Model: RV17  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 110V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 46mm



**RV17-A** Side motor receiver

Model: RV17-A  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 110V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 46mm



**RV17-B** Tubular motor receiver

Model: RV17-B  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 110V/60Hz  
 Working Temperature: -10°C~+55°C  
 Dimension: 126x 82 x 46mm



## RECEIVER

# CONTROL SYSTEM



**RV19** Tubular motor receiver

Model: RV19  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V, 50Hz, 110V/60Hz  
 Resistance protection functions  
 Size: 172 x 80 x 40mm



**RV19-A** Side motor receiver

1. Warning light, photocell, resistance stop/rebound switchable  
 2. Auto-close function  
 3. Open/Close running time adjustable  
 4. Single Channel/Four Channels switchable  
 Model: RV19-A  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V, 50Hz, 110V/60Hz  
 Resistance protection functions  
 Size: 172 x 80 x 40mm



**RV19-C** Tubular motor receiver

MT motor control unit  
 Model: RV19-C  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V, 50Hz, 110V/60Hz  
 Resistance protection functions  
 Size: 172 x 80 x 40mm



# CONTROL SYSTEM

## RECEIVER



**24** Tubular Motor Receiver

General tubular motor functions

Frequency: 433.92MHz  
Encode Learning Code or Four Channel  
Load Power: ≤800W  
Class: IP65  
Rated Voltage: 230V/50Hz(115V/60Hz);  
Dimension: 100 x 100 x 32mm



**24-C** Side Motor Receiver

General side motor functions

Frequency: 433.92MHz  
Encode Learning Code or Four Channel  
Load Power: ≤800W  
Class: IP65  
Rated Voltage: 230V/50Hz(115V/60Hz);  
Dimension: 100 x 100 x 32mm



## RECEIVER

# CONTROL SYSTEM



**24-MT**

Tubular Motor Receiver

MT series tubular motor general functions  
Resistance stop/bound switchable

Frequency: 433.92MHz  
Encode Learning Code or Four Channel  
Load Power: ≤800W  
Class: IP65  
Rated Voltage: 230V/50Hz(115V/60Hz);  
Dimension: 100 x 100 x 32mm



**24-3B**

Tubular Motor Receiver

Build-in 3 buttons switch

Product Feature: with three manual keys  
Frequency: 433.92MHz  
Encode Learning Code or Four Channel  
Load Power: ≤800W  
Class: IP65  
Rated Voltage: 230V/50Hz(115V/60Hz);  
Dimension: 100 x 100 x 32mm



**24-C1**

Warning light, photocell  
Auto-close function  
Single Channel/Four Channels switchable

Side motor multi-function receiver  
Product features: can work with warning lights,  
photocell, automatic close function, can set up  
and down running time

Frequency: 433.92MHz  
Encode Learning Code or Four Channel  
Load Power: ≤800W  
Class: IP65  
Rated Voltage: 230V/50Hz(115V/60Hz);  
Dimension: 100 x 100 x 32mm



**24-D**

Full-function tubular motor remote control  
Single Channel/Four Channels switchable  
Warning light, photocell (photocell/rebound function switchable)  
Auto-close function  
Open/Close running time adjustable

Frequency: 433.92MHz  
Encode Learning Code or Four Channel  
Load Power: ≤800W  
Class: IP65  
Rated Voltage: 230V/50Hz(115V/60Hz);  
Dimension: 100 x 100 x 32mm



# CONTROL SYSTEM

## RECEIVER



**RV22** Tubular Motor Receiver

**Tubular motor general features**

Model: RV22  
 Frequency: 433.92MHz  
 Encode: fixed code  
 Power: ≤800W  
 Rated Voltage: 230V/50Hz, 110V/60Hz  
 With power protection, power output of 2 minutes;  
 Dimension: 114 x 75 x 38mm



**RV28** Tubular Motor Receiver

**Tubular motor general features**

Break the traditional wiring,  
 integrating in one piece.  
 Simple and beautiful  
 Frequency: 433.92MHz  
 Encode: Learning Code  
 Load Power: ≤800W  
 Class IP65  
 Rated Voltage: 230V/50Hz (115V/60Hz)



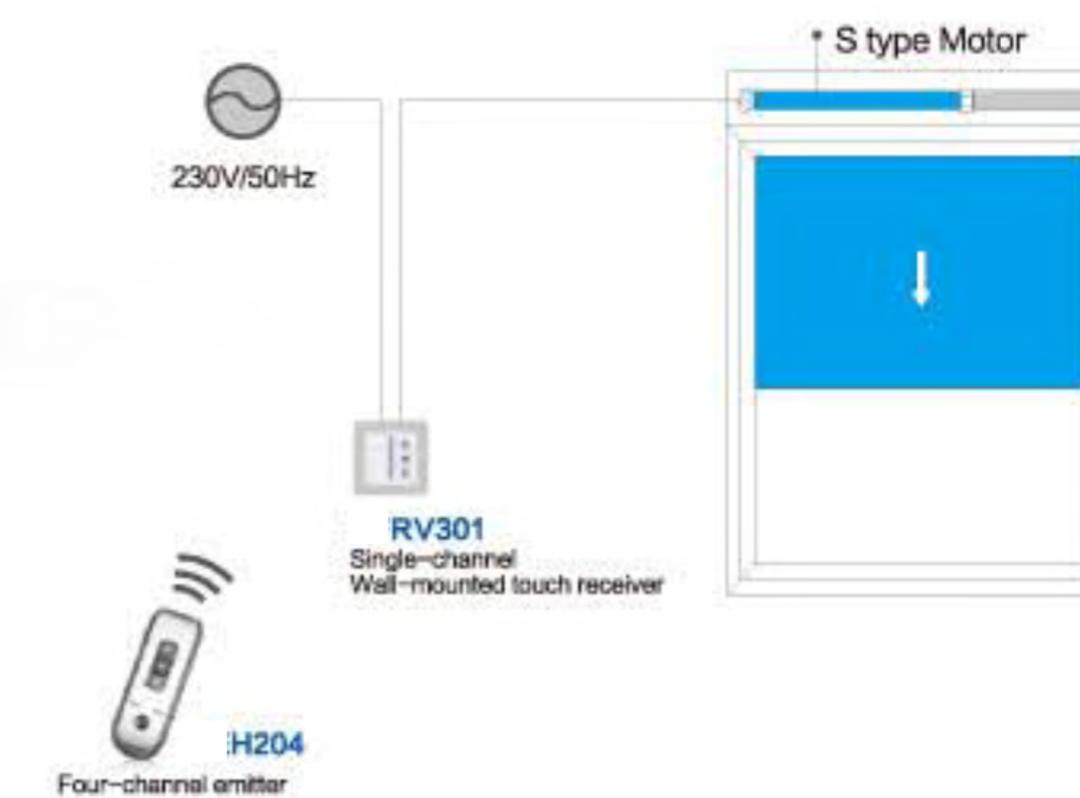
## RECEIVER

# CONTROL SYSTEM

**RV301**  
 Receiver: Wall-Receiver



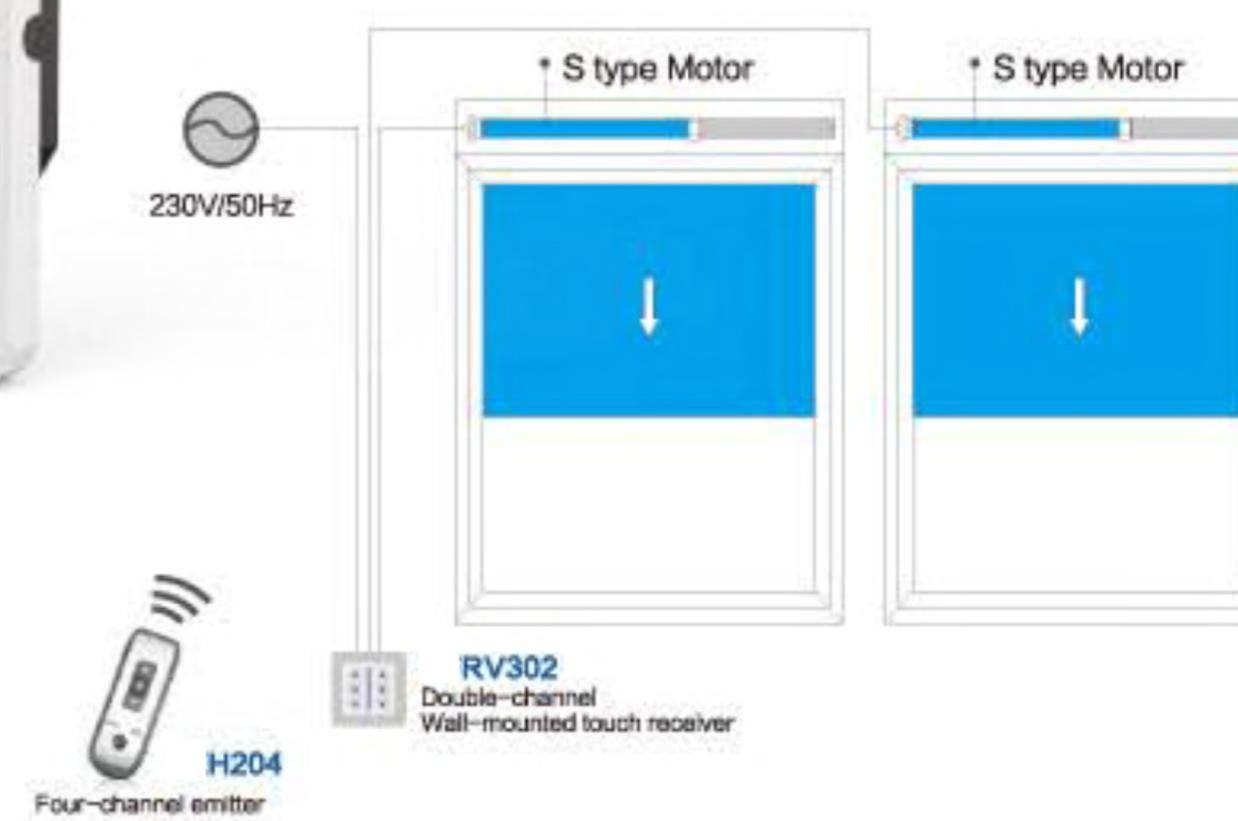
Model: RV301  
 Frequency: 433.92MHz  
 Encode: Rolling Code  
 Load Power: ≤400W  
 Control Channel: Single Channel  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10° C → +55° C  
 Dimension: 80 × 80 × 44.5mm



**RV302**  
 Receiver: Wall-Receiver



Model: RV302  
 Frequency: 433.92MHz  
 Encode: Rolling Code  
 Load Power: ≤400W  
 Control Channel: Dual channel  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10° C → +55° C  
 Dimension: 80 × 80 × 44.5mm

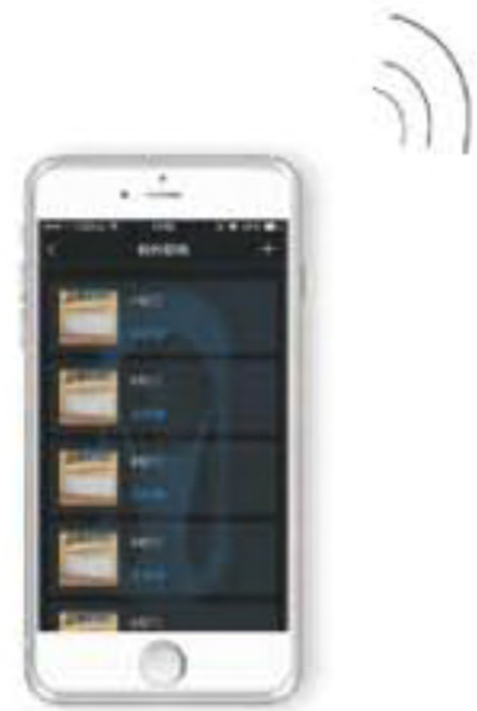




# CONTROL SYSTEM

SMART

## SMART DOOR CONTROL SYSTEM



Emitter



Receiver



# CONTROL SYSTEM

RECEIVER

GREAT



+

GREAT  
Resistance and Stop



Frequency 433.92MHz  
 Encode:rolling code/Fixed code;  
 Power: ≤1000W;  
 Rated voltage:230Vac/50hz or 110V/60hz;  
 Protection function support to resistance up or resistance stop terminals;  
 The lighting with time delay function and the time can be adjust.  
 Can set the continuous operation time of the motor(0~90s adjustable),  
 auto-closing time of shutter(motor up to stop position after 0~180s can  
 adjustable);With 3 button manual switch and also can connect with two  
 button jog manual switch;  
 Can connect with Infrared correlator then get function of resistance up;  
 Can set the status of jogging operation  
 Light dimension 315×140×85mm,without light dimension 215×140×85mm



Build-in Receiver  
RV3545

Built-in receiver  
 Frequency:433.92Mhz  
 Encode:Rolling code/Fixed code  
 Load power: ≤400W  
 Rated power:230V/50Hz,110V/60Hz;  
 The transmitter can be set by the motor connections,  
 jog and reversing function  
 Dimension: 106\*26\*25mm



Build-in Receiver  
RV3545-mini

Mini external receiver  
 Frequency 433.92Mhz  
 use Terminal Blocks, convenient,  
 Rolling code encoder,safe and reliable  
 load power: ≤400W  
 Dimension:119×27×26.5mm

### Photocell Controller



HWDS-1

Product Features

Input voltage: 12-24 VDC  
 Output current: ≤200 mA  
 Response time: < 5mS  
 IP Class: IP67  
 Material: ABS  
 Size: 127.5\*50\*30mm



HWDS-2

Product Features

Input voltage: 12-24 VDC  
 Output current: ≤200 mA  
 Response time: < 5mS  
 IP Class: IP67  
 Material: ABS  
 Size: 30.3\*63.2\*63.2mm

# CONTROL SYSTEM

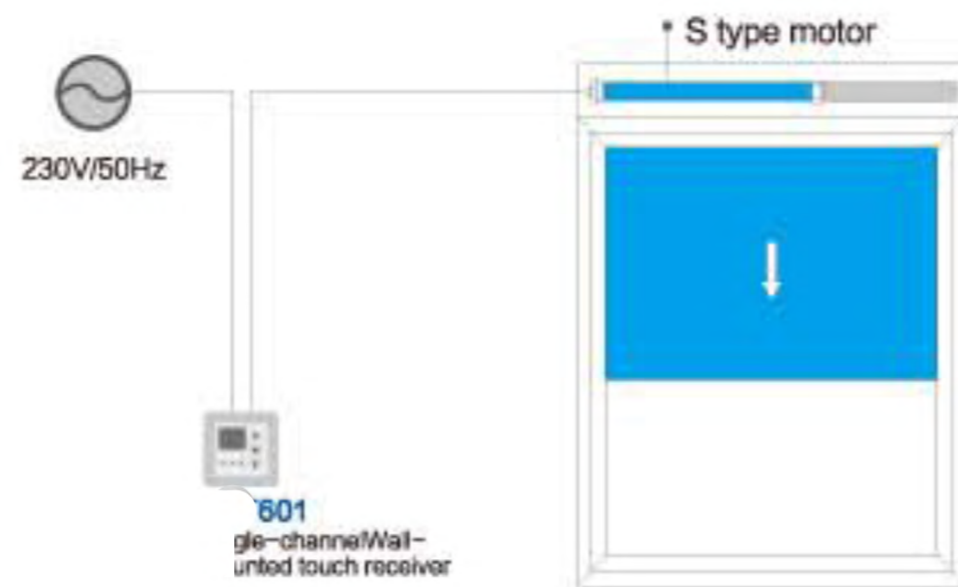
RECEIVER

601



**Product Features**  
 With switch function  
 Auto-timing system, with 8 pairs On&Off timing  
 Timing set in every single day  
 Timing set in every week  
 Random mode, operate On&Off randomly 10 minutes before or after the timing point  
 Power-off memory function  
 With sophisticated SMT technology, moisture proof surface

Model: 601  
 Load Power: ≤400W  
 Control Channel: Single Channel  
 Rated Voltage: 230V/50Hz, 115V/60Hz  
 Working Temperature: -10° C~+55° C  
 Dimension: 80 × 80 × 44.5mm



601 is a kind of wall-mounted timer, with UP, DOWN, STOP switch function, it can control motorized roller blinds together with any emitter.

# STRONG CURRENT SWITCH

Switch: Wall-mounted electronic switch

TB-C

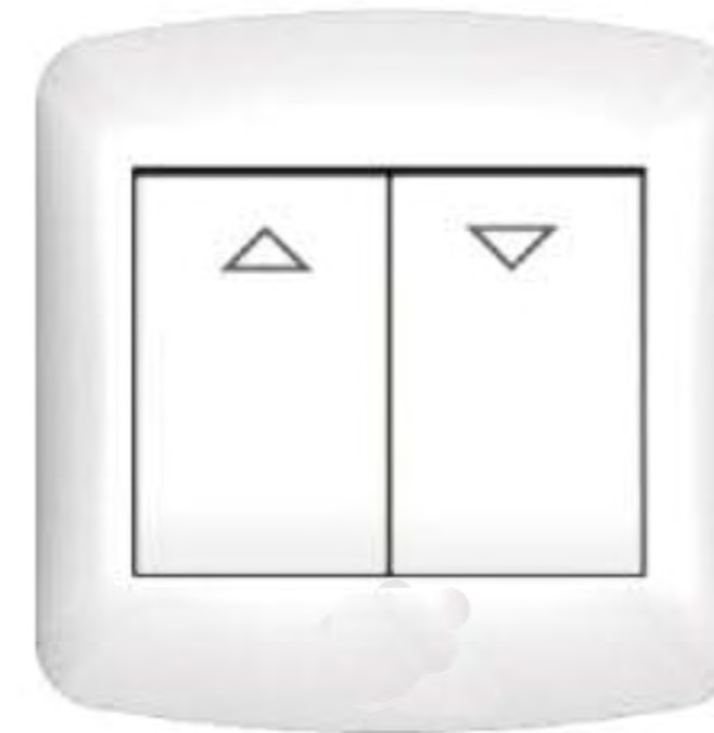
## Product Features

The appearance is elegant and symmetrical  
 The front plates are easily assembled.

The switch contacts are made of high quality silver alloy material, which have a good performance against electric arc and melt weld. the on-off operations exceed 40000 times.

The front plates are made of top grade environmental-protection PC material, the clips of the socket are made of phosphor bronze, which has the character of good electrical conductivity and lasting elasticity.

- Can control 1 unit tubular motor
- Rated Voltage: 250Vac
- Rated Current: 10A
- Dimension: 80 × 80mm



TB-D

## Product Features

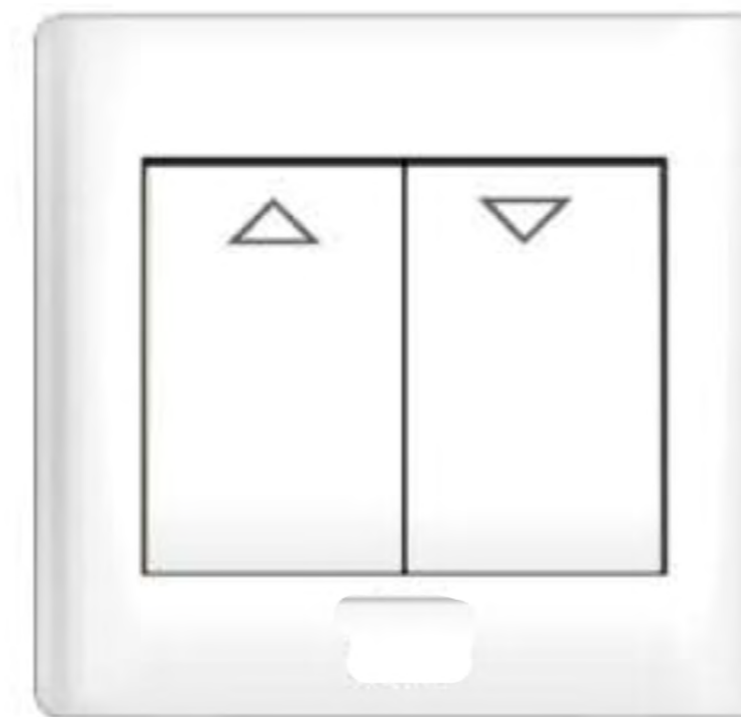
The appearance breaks through the traditional design, is symmetrical and coordinated. the steady spring and rational gap make the sound mild and the touch comfortable.

The switch contacts are made of environment-protection silver alloy material, which enhance the degree of hardness and have a good performance against electric arc and melt weld.

The front plates are made of top grade environmental-protection PC material, which has the character of flame resistant, anti-impact, undistorted and color unchanged.

the clips of the socket are made of phosphor bronze, which have the character of good electrical conductivity and lasting elasticity.

- Can control 1 unit tubular motor
- Rated Voltage: 250Vac
- Rated Current: 10A
- Dimension: 80 × 80mm



# WEAK CURRENT SWITCH

Switch:Wall-mounted electronic switch

**B01**



**Product Features**

- Can control 1 unit tubular motor
- Rated Voltage:250Vac
- Rated Current:10A
- Dimension:86 × 86mm

**B02**

Single-channel electronic switch



- Can control 1 unit tubular motor
- Rated Voltage:250Vac
- Rated Current:10A
- Dimension:86 × 86mm

**B03**

Single-channel electronic switch



- Can control 1 unit tubular motor
- Rated Voltage:250Vac
- Rated Current:10A
- Dimension:86 × 86mm

# ACCESSORIES SAFETY BRAKE

**1-18F**



Model: 1-18F  
 Max. Speed:22 r/min  
 Run Torque:96 N.m  
 Instant Max. Torque:198 N.m  
 Bolt Torque:4 N.m

**1-18N**



Model : 1-18N  
 Max. Speed:22 r/min  
 Run Torque:130 N.m  
 Instant Max. Torque:350 N.m  
 Bolt Torque:7 N.m

**1-40**



Model Number: 1-40  
 Max. Speed:22 r/min  
 Run Torque:547 N.m  
 Instant Max. Torque:2058 N.m  
 Bolt Torque:30 N.m

**1-30**



Model Number: 1-30  
 Max. Speed:22 r/min  
 Run Torque:365 N.m  
 Instant Max. Torque:1444 N.m  
 Bolt Torque:20 N.m

# ACCESSORIES

## Key-Selector

01



02



03



04



# ACCESSORIES

## Key-Selector

06-A

External installation

**Product Features**

The unique appearance, made from high quality aluminum alloy die-casting  
 Using single-sided lock cylinder, with more secure anti-theft function  
 Powder coating surface



06-B

Internal installation

**Product Features**

The unique appearance, made from high quality aluminum alloy die-casting  
 Using single-sided lock cylinder, with more secure anti-theft function  
 Powder coating surface



WL01

Warning light NO.1

**Product Features**

Voltage: AC220V  
 Protection Class: IP55  
 Protection Function: Water proof, Dust proof  
 Light Source: LED  
 Size: 60\*88\*120mm  
 The product is for warning, work with the SFRV series receiver.



# ACCESSORIES

# IDLER SERIES ACCESSORIES

**H01**  
hand crank

**H02**  
hand crank

**H03**  
hand crank

**H04**  
hand crank

Code	Length(L)
-H01A	1200mm
-H01B	1500mm
-H01C	1800mm
-H01D	2000mm

Code	Length(L)
-H02A	1200mm
H02B	1500mm
H02C	1800mm
H02D	2000mm



**Bi-direction Hand crank**



**SYJ**

**LOCK-02**

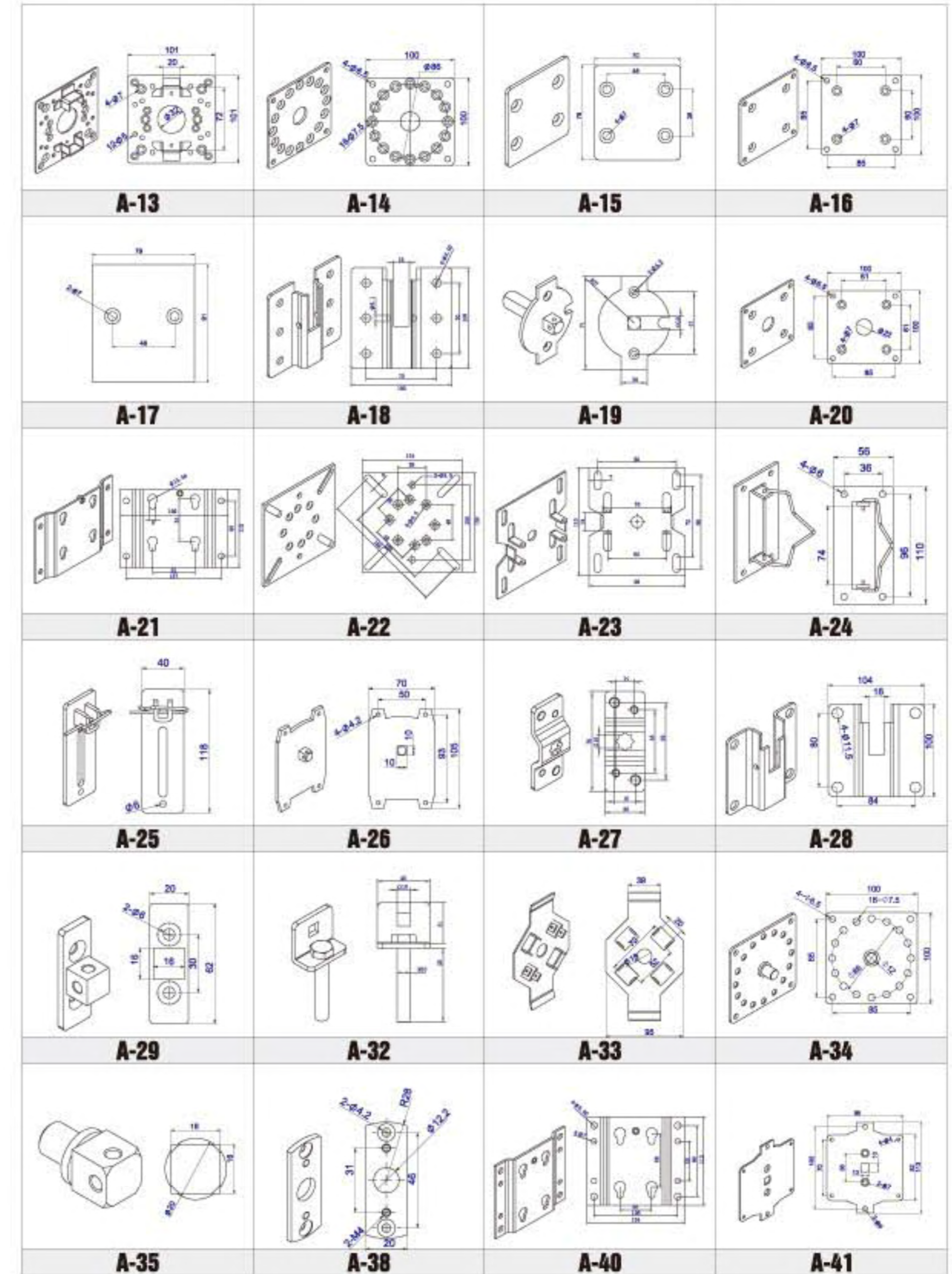
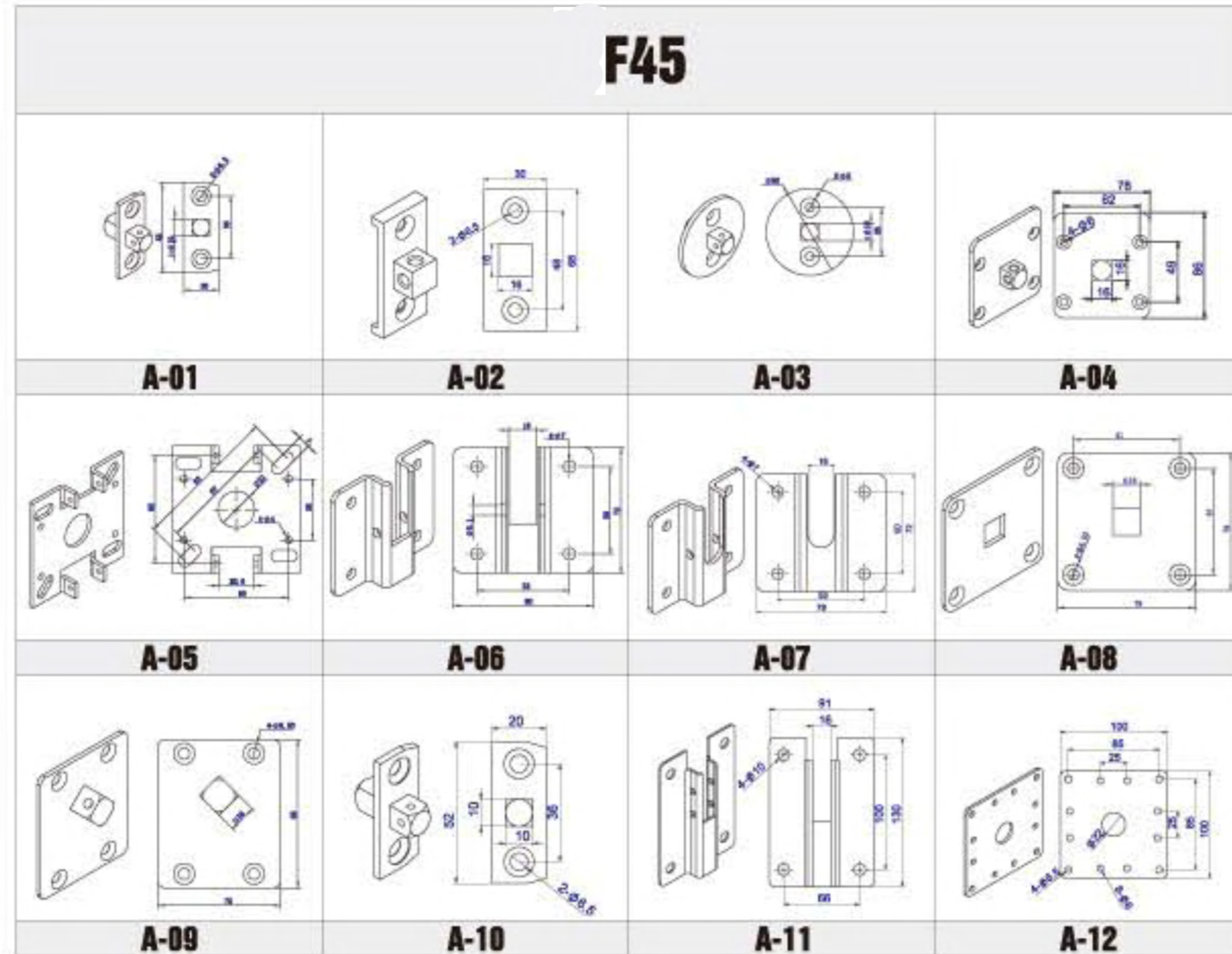
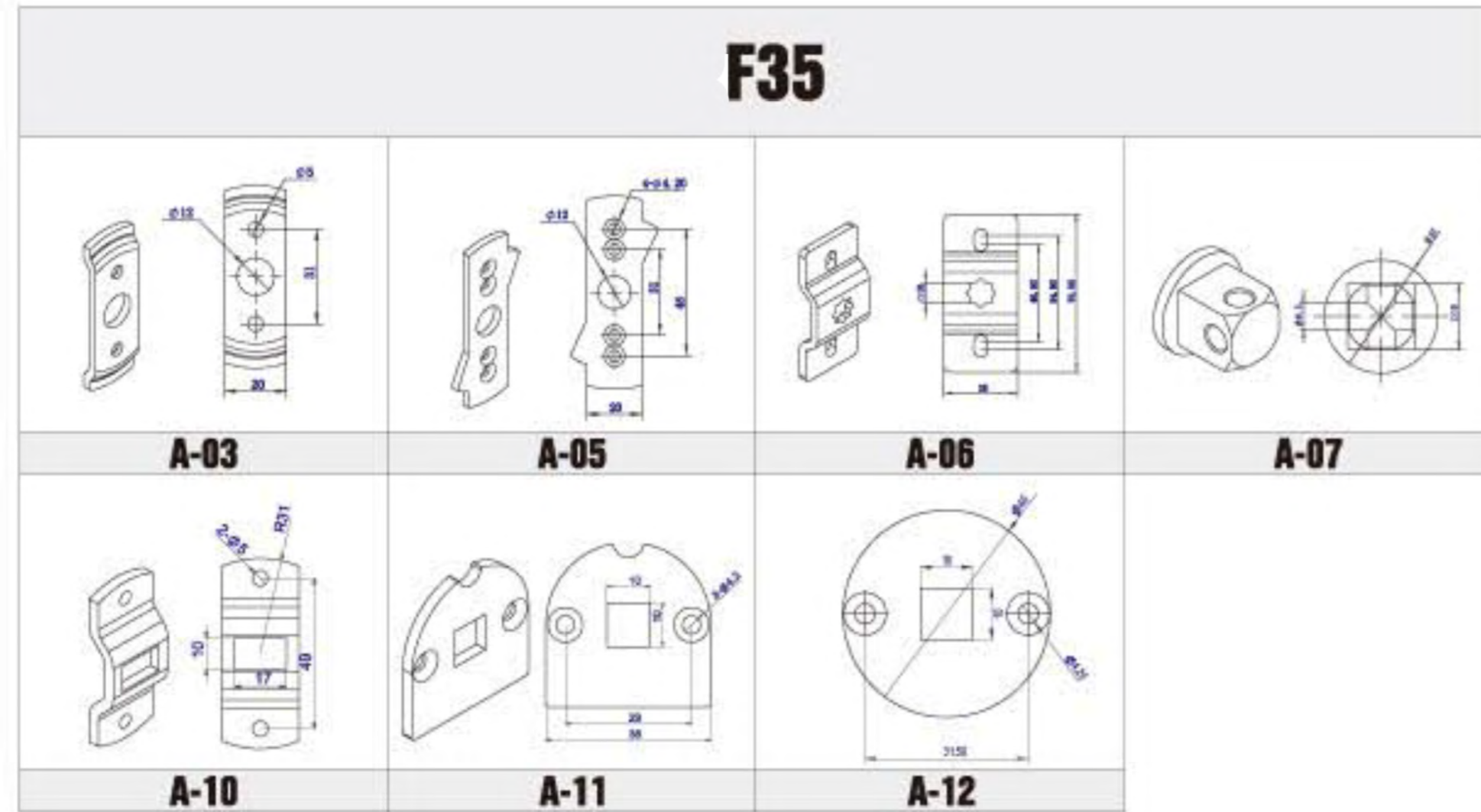
**SYJ**



	<b>Idler</b>		<b>Idler</b>
<b>-φ52A</b>		<b>-φ52B</b>	
<b>-φ60</b>		<b>-φ82</b>	
<b>φ87</b>		<b>φ106</b>	
<b>-H57</b>		<b>φ67</b>	

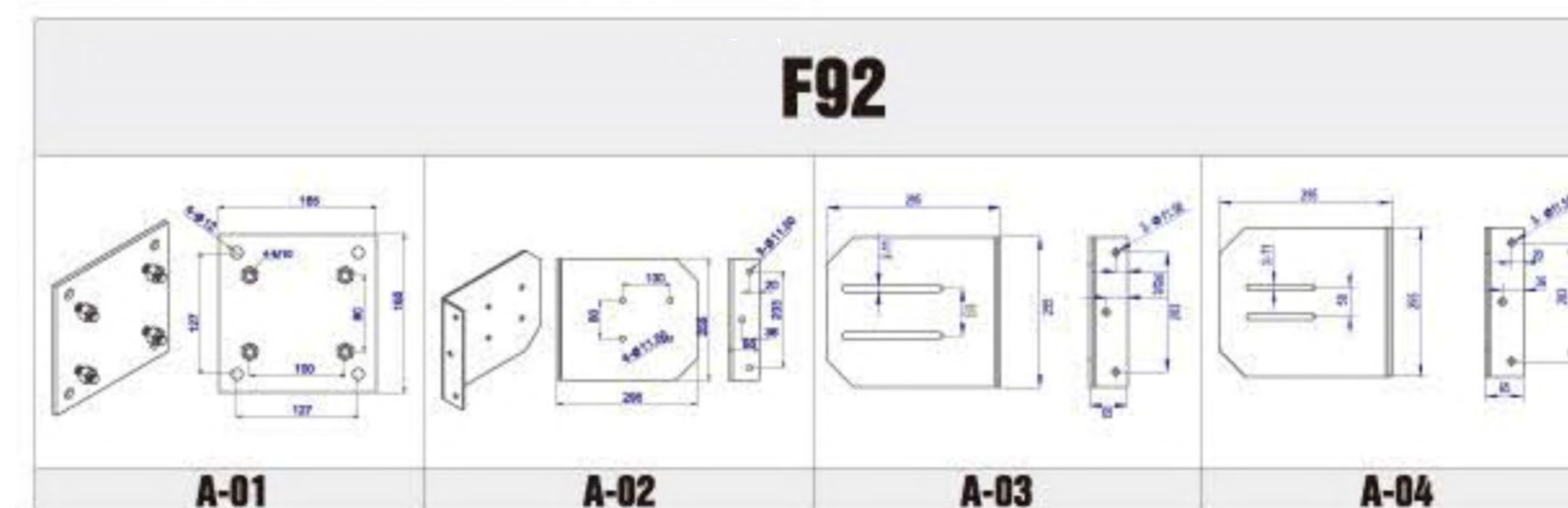
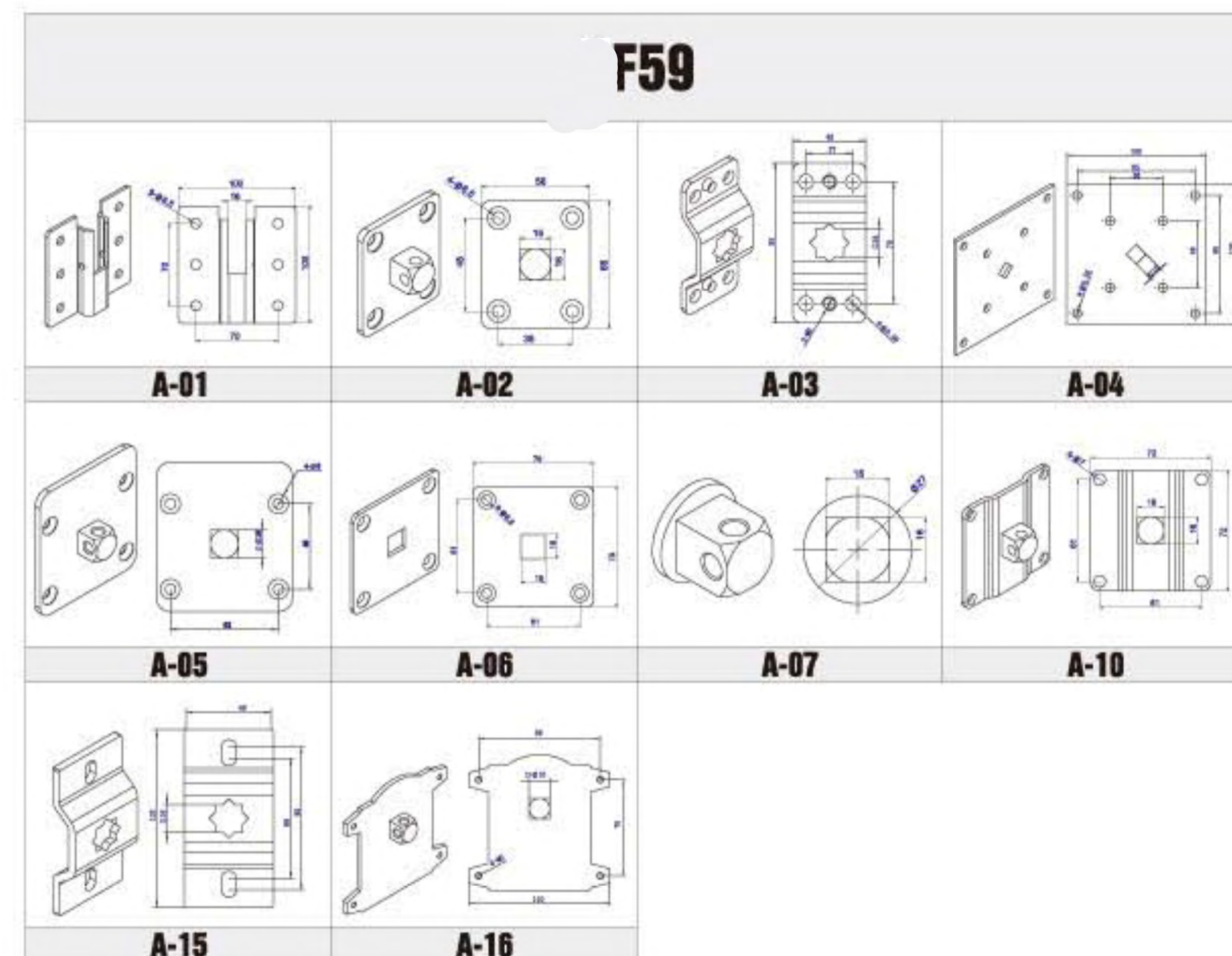
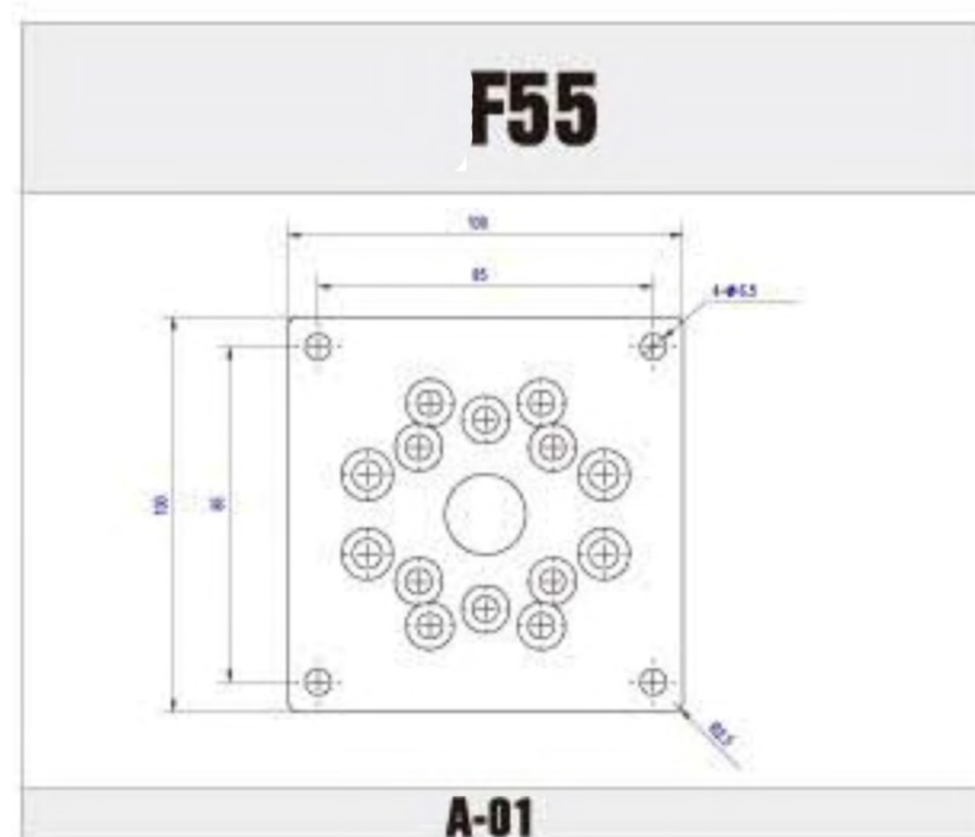
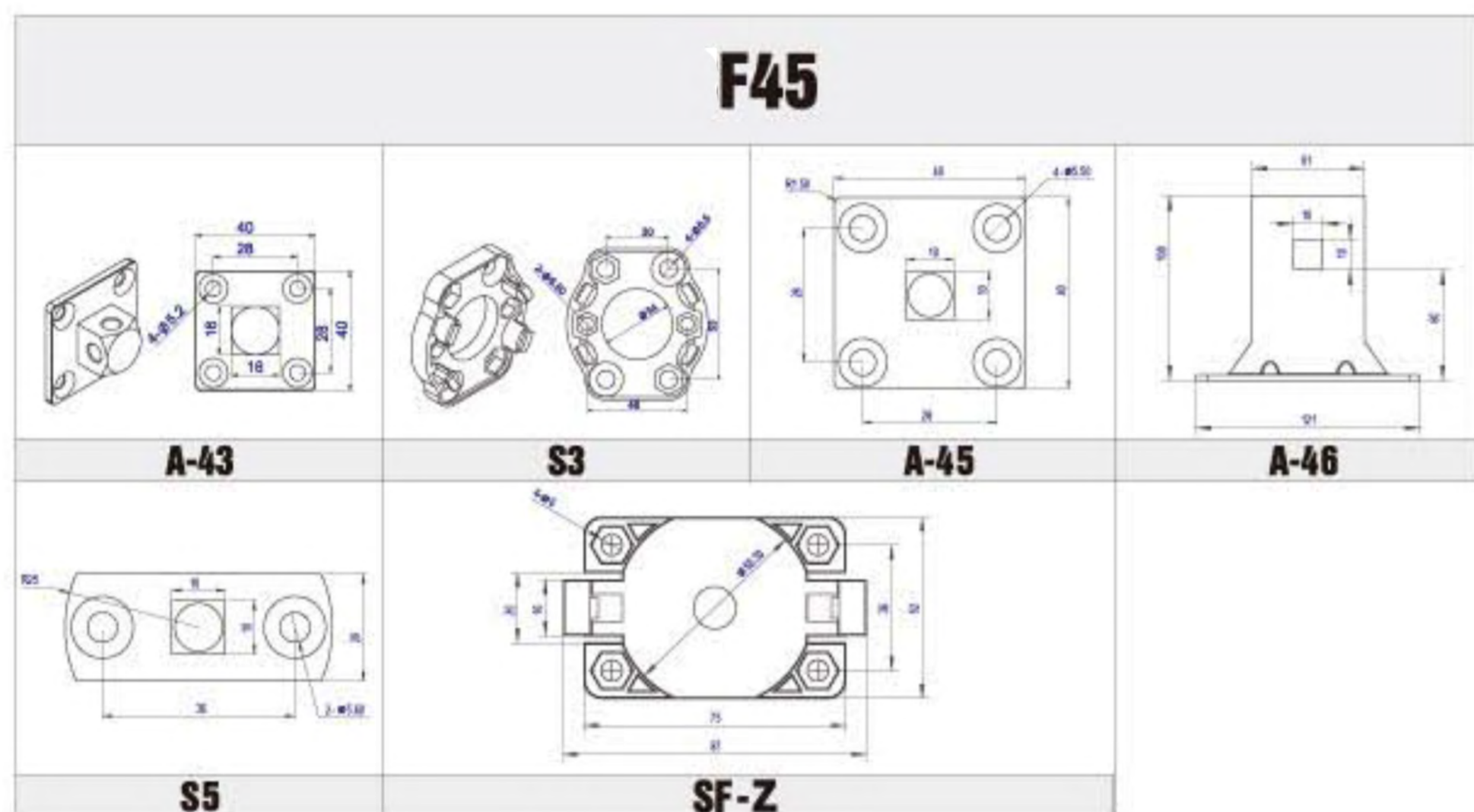
# ACCESSORIES BRACKET SERIES

# BRACKET SERIES ACCESSORIES



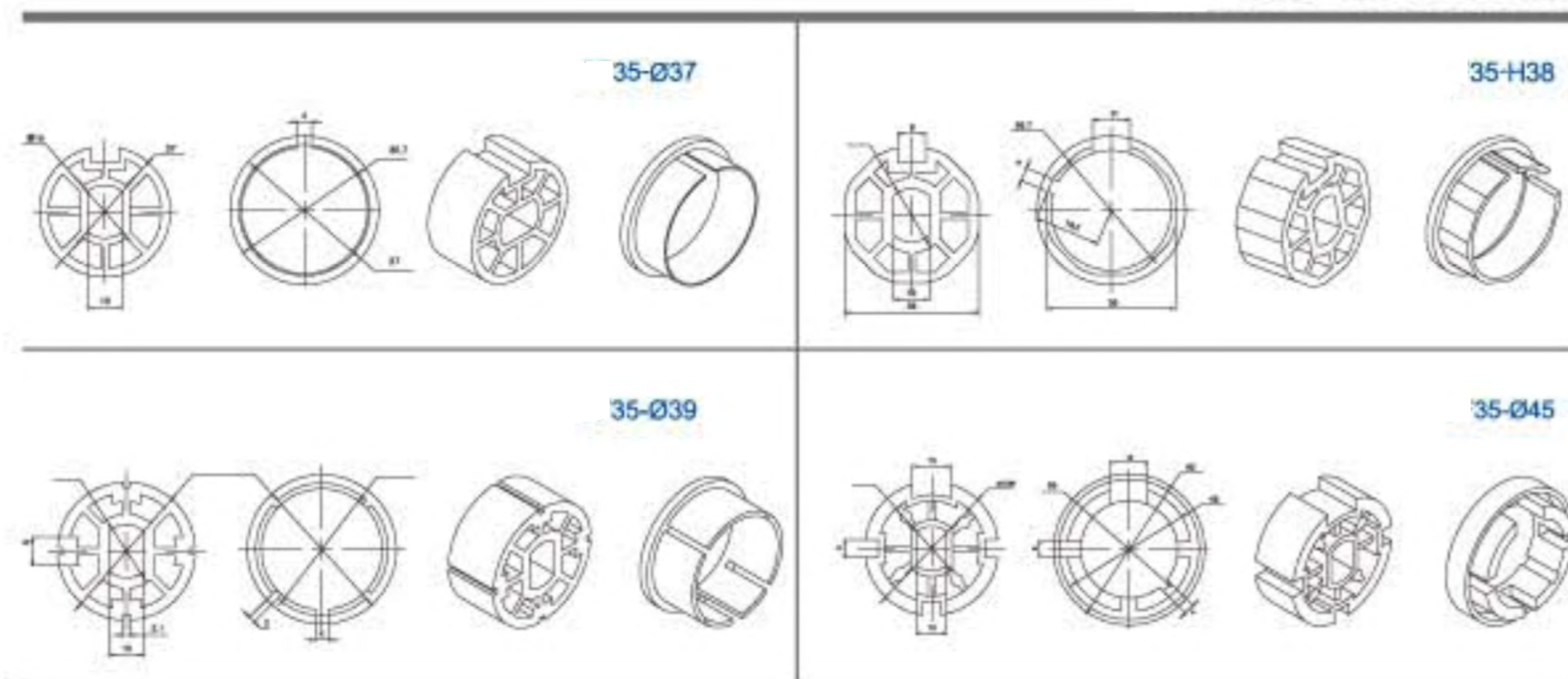
# ACCESSORIES BRACKET SERIES

# ACCESSORIES

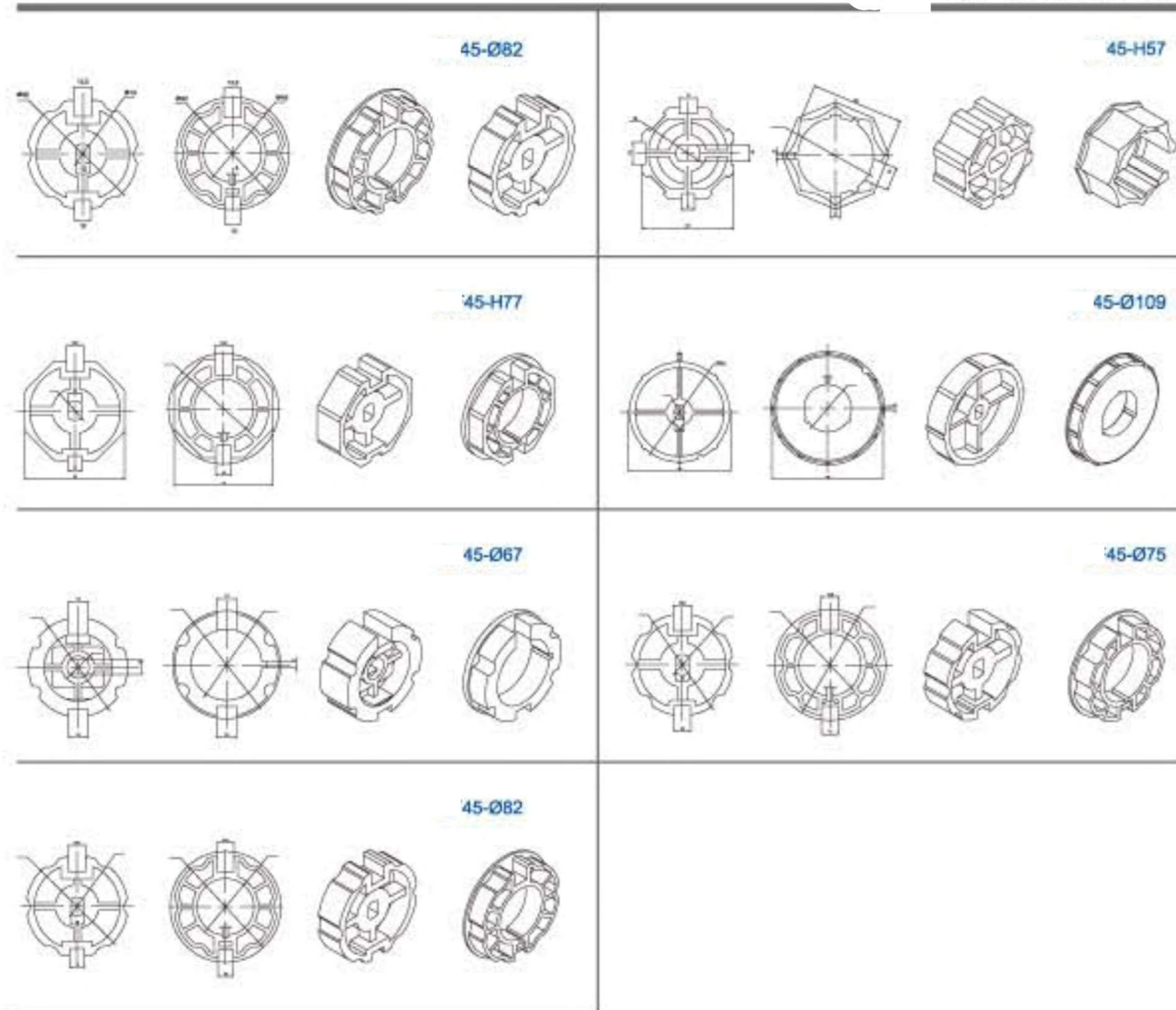


# ACCESSORIES CROWN AND ADAPTOR

## 35 SERIES

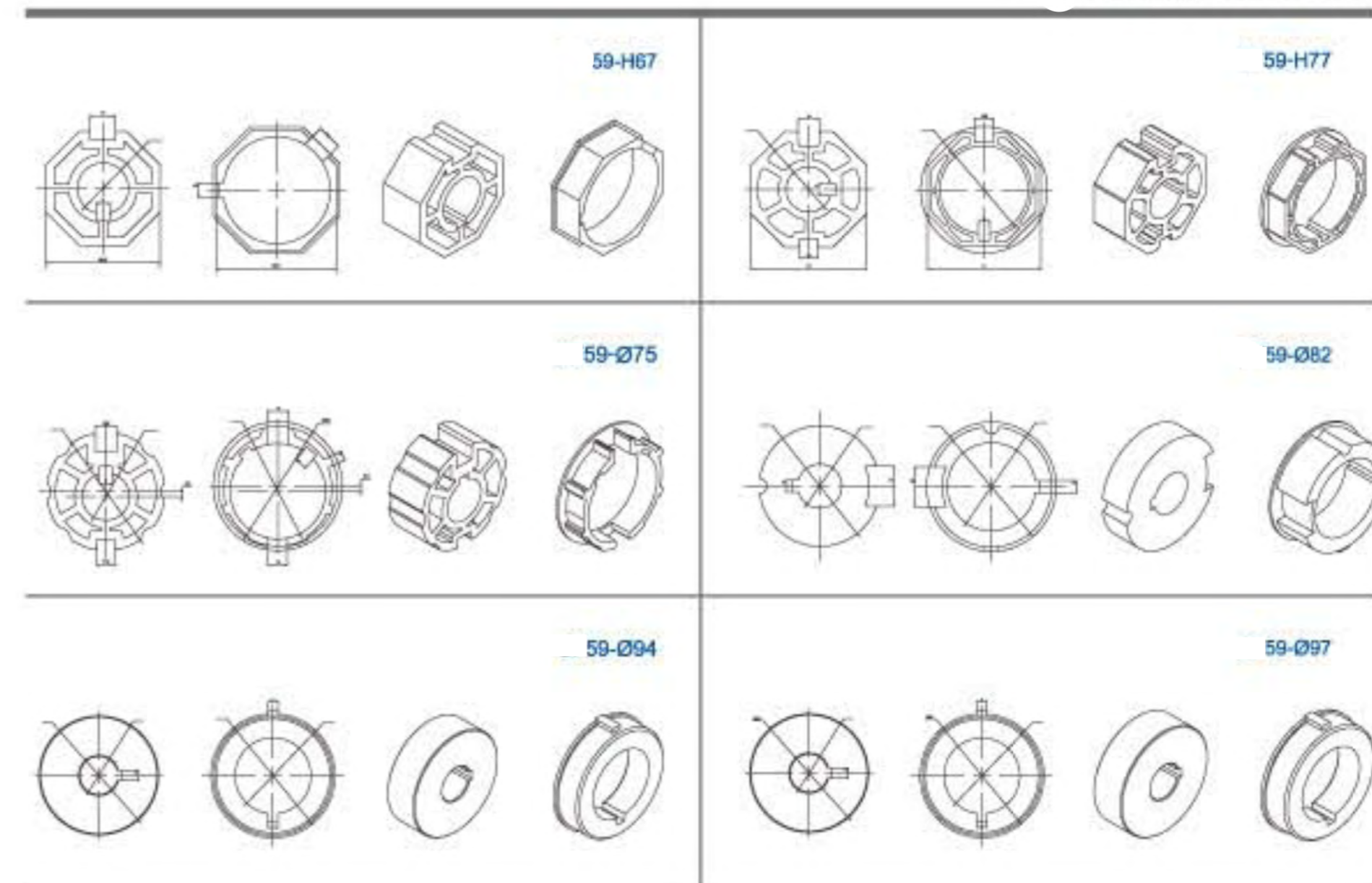


## 45 SERIES

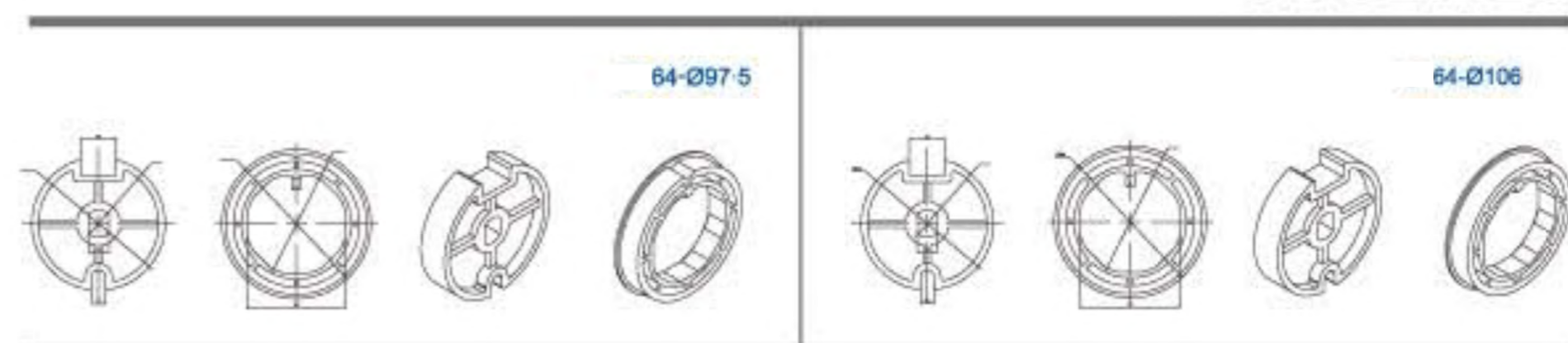


# CROWN AND ADAPTOR ACCESSORIES

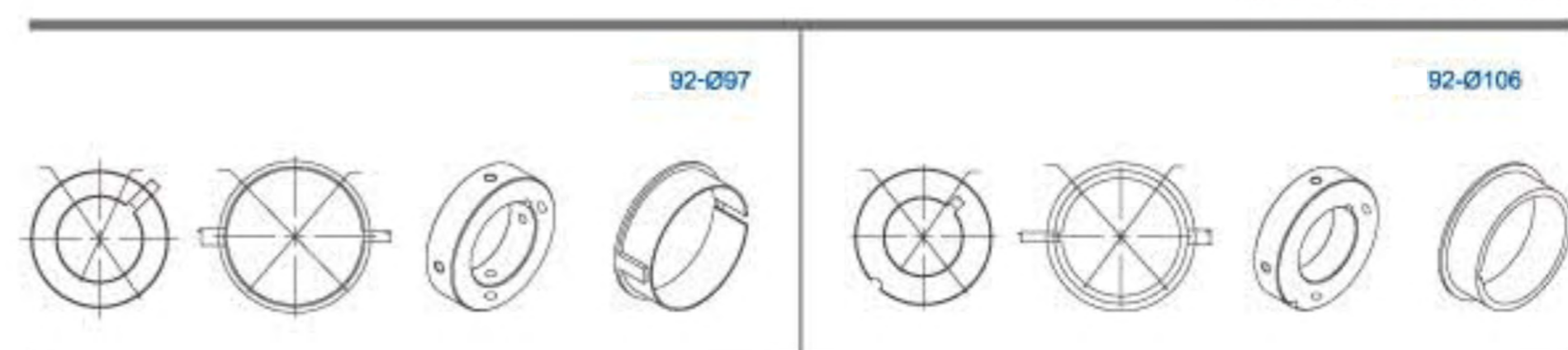
## 59 SERIES



## 64 SERIES



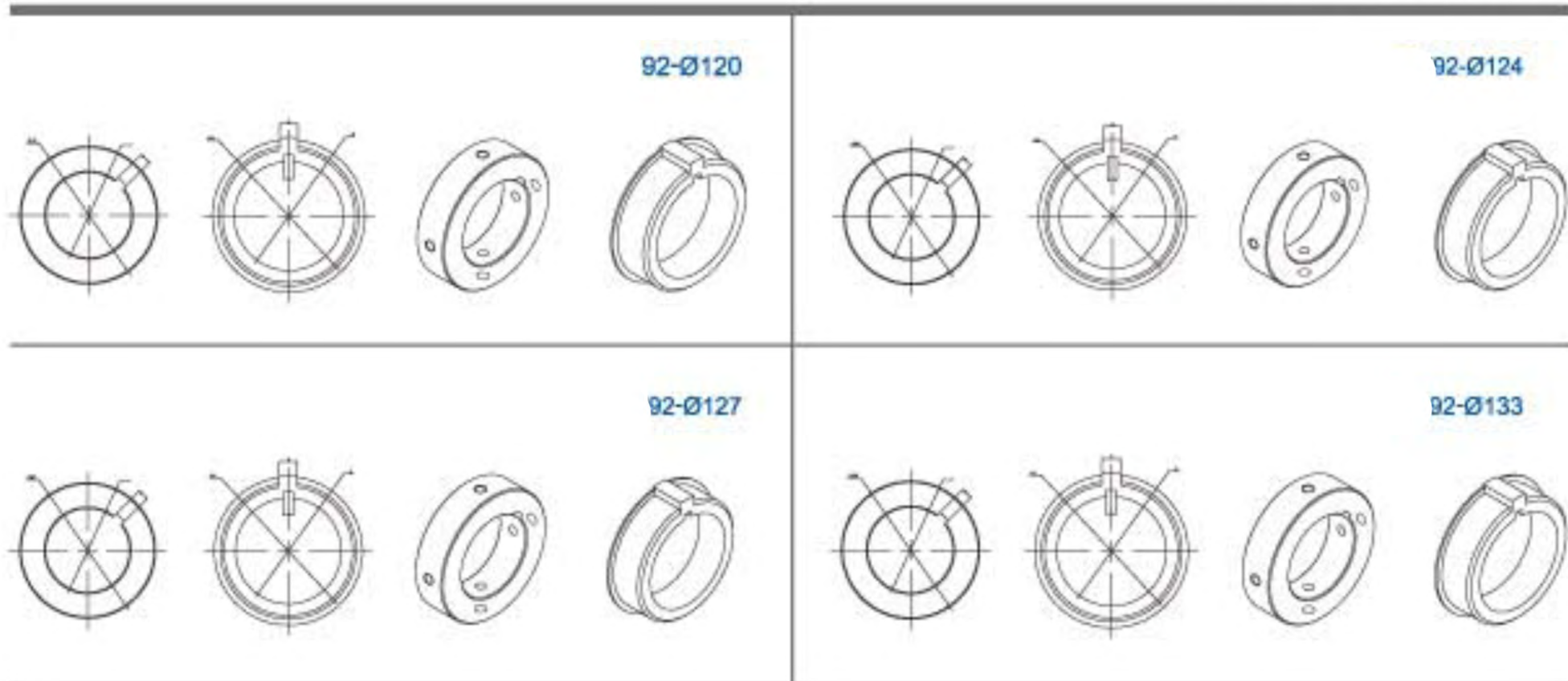
## 92 SERIES





# ACCESSORIES CROWN AND ADAPTOR

## 92 SERIES



## 115 SERIES

