

# EC BRUSHLESS MOTOR



**EXTREMELY SILENT  
LOW ENERGY CONSUMPTION  
HIGH PERFORMANCE**

Example for Performance EC motor stack height 12 mm.

<b>RATED VOLTAGE</b>	230 VAC (-15%; +10%)
<b>INSULATION CLASS</b>	F
<b>RATED MECHANICAL POWER</b>	1,2 W
<b>RATED ELECTRIC POWER</b>	6,7 W
<b>MOTOR EFFICIENCY</b>	18%
<b>WITHSTAND VOLTAGE</b>	1800 V
<b>TORQUE DIRECTION</b>	CW
<b>NUMBER OF POLES</b>	2
<b>DRIVE</b>	Half bridge
<b>MAX SPEED</b>	3.000 rpm
<b>PROTECTION</b>	Thermostat 100 °C
<b>OPERATING TEMPERATURE</b>	-5 °C / +40 °C
<b>NOTE</b>	Shaft lenght: on request Wires color: on request

Everel has released the Performance and Performance Plus EC brushless motors series. The Performance Plus version, which integrates more advanced electronics, allows the control of motor speed and the possibility of reversing the rotation; humidity sensor, presence sensor, and timer can be integrated in the same board; motor efficiency up to 40%.

- Energy saving: up to 70% compared to traditional motor
- Integrated electronic
- Power supply from 12 VAC to 240 VAC / 1 / 50-60. Also available 12 VDC
- Same dimensions and cut-out of standard motors (diameter 58 mm)
- Performance Plus version: humidity sensor, presence sensor, timer, lighting mgmt, firmware customization
- Ball bearings



## OPTIONALS



Shaft can be smooth, milled or with grooves with length on demand



Stack height from 12 to 35 mm

Fuse



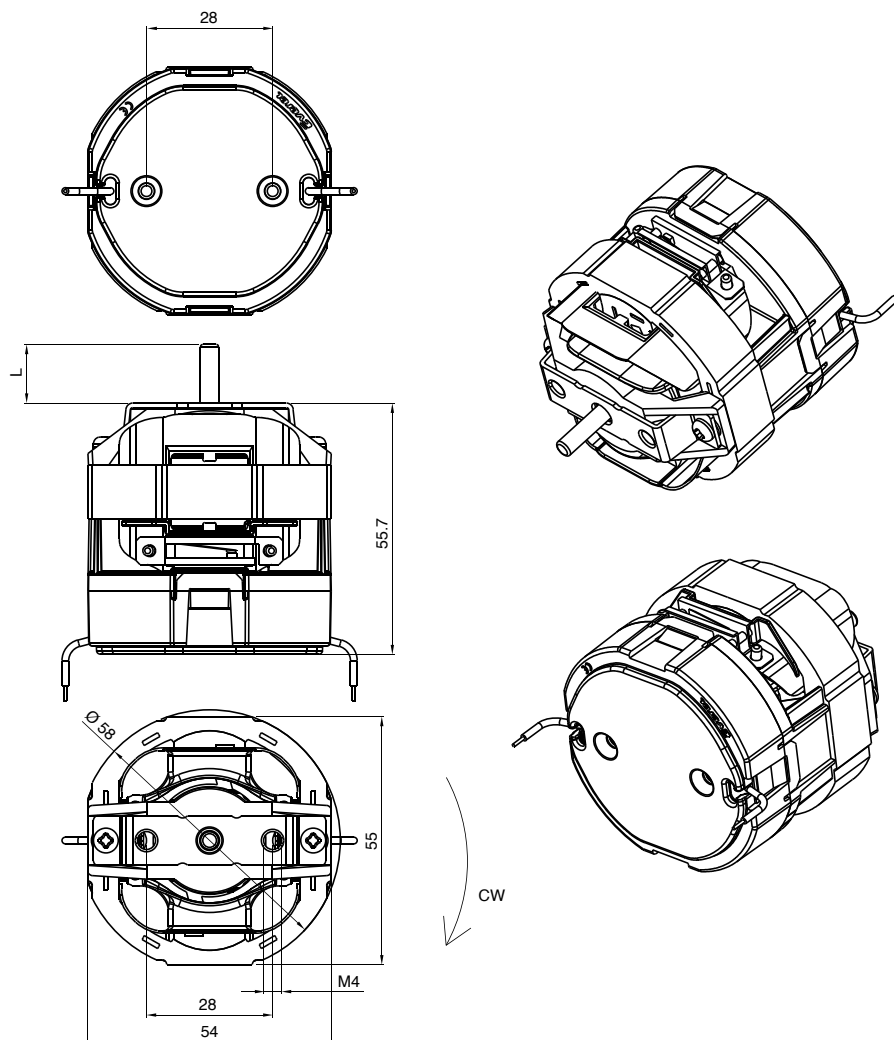
Motors protected by thermal fuse or thermostat (autoreset or self holding)

Thermostat



**DRAWING**

(Performance version)



Different covers available

**TECHNICAL FEATURES****PERFORMANCE**Integrated electronic  
and power supply boardInstallation from  
electronic side available**PERFORMANCE PLUS**

Timer management

Humidity sensor connector  
Speed control  
Presence sensor connection**SELV version 12 V available**

SELV: Safety Extra Low Voltage

Stack height (H) mm	Power absorption W	Shaft Power W
12	4,5 ... 15	0,8 ... 2,7
16	6,5 ... 20	1,2 ... 3,6
20	7,5 ... 25	1,4 ... 4,5
25	8,5 ... 30	1,6 ... 5,4
30	9,5 ... 40	1,7 ... 7,2
35	10,5 ... 50	1,9 ... 9

Stack height (H) mm	Power absorption W	Shaft Power W Plus
12	4 ... 15	1,4 ... 5,3
16	5 ... 20	1,8 ... 7
20	6 ... 25	2,1 ... 8,8
25	7 ... 30	2,5 ... 10,5
30	8 ... 40	2,8 ... 14
35	9 ... 50	3,2 ... 17,5