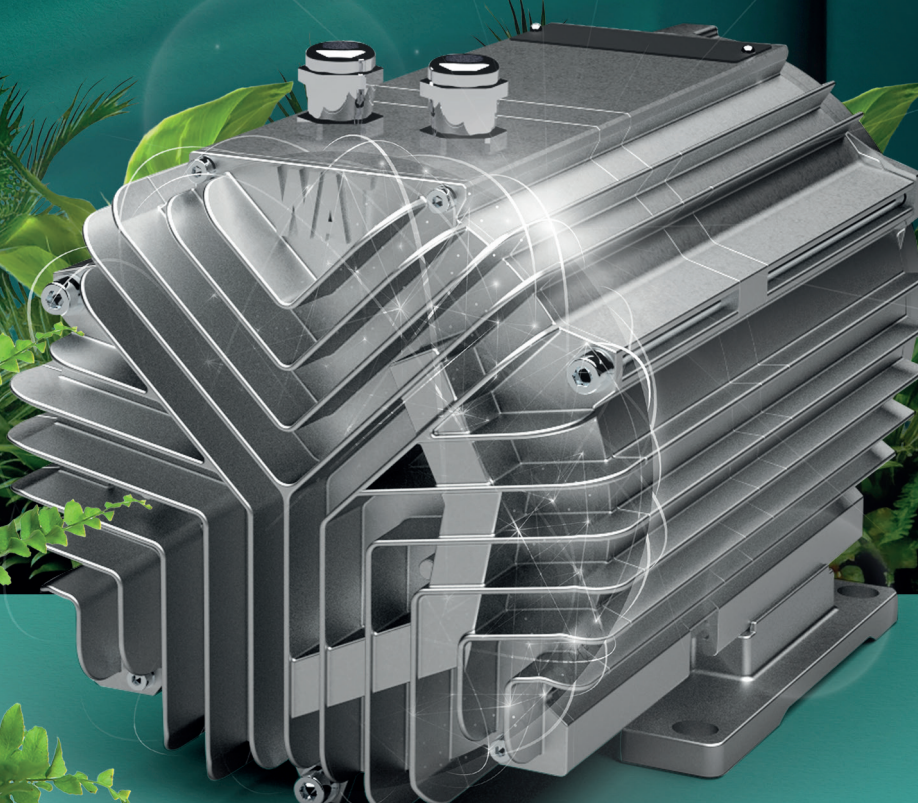


WAT EC MOTOR SERIES

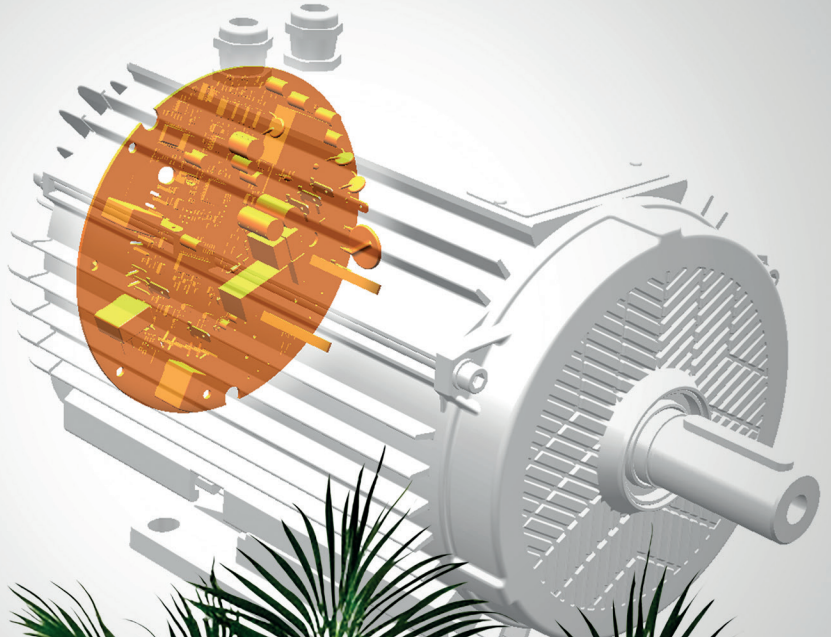
# WHERE INTELLIGENCE MEETS MOTION



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# ELECTRONICALLY COMMUTATED (EC) MOTOR SERIES



## Technical Specifications

### General Information

Phase	Three-phase
Input Voltage	400 VAC [ -15%, +20%], 50-60 Hz
Rated Power	1.1kW-5.5 kW
Min Speed	600 rpm
Max Speed	1800 rpm or 3600 rpm
System Efficiency	>%90 [motor+driver] IE5+ @Rated Speed
Motor Efficiency	IE6+ @Rated Speed
Power Factor	> 0.8
Overload	150% for 60 seconds
Frame	80/100/132

### Control & Comm.

Communication	MODBUS RS485
Baudrate	9600 bps
Control Method	Control Input [0-10V]
Digital Outputs	1 [Fault Feedback]
Digital Inputs	2 [Run/Stop and CW/CCW]
Analog Inputs	2 [0-10V Control Inputs]
Electrical Outputs	24V 100mA / 10V 20mA

### Environmental

IP Grade	IP55
Cooling	TEAO <sup>1)</sup>
Operating Temperature	-20 °C to +40 °C
Storage Temperature	-40 °C to +70 °C
Insulation Class	F/B
Pollution Degree	2
Working Altitude	Up to 1000 meters
Humidity	5-95%

### Protection Features

Over/Undervoltage Protection
Overload Protection
Over Current Protection
Over Temperature Protection
Short Circuit Protection
Input Phase Loss Protection

1) TEAO = Totally Enclosed Air Over