



omegafusibili.it

# e-MOTION

SOLUTIONS FOR VENTILATION, FILTRATION, AND MOTION CONTROL



## RELIABILITY, INNOVATION, QUALITY, INTEGRITY

### A MODERN PARTNER IN ELECTRONIC AND ELECTROMECHANICAL COMPONENTS

Omega is a leader in the distribution and production of electronic and electromechanical components, offering dedicated services to support and strengthen customer relationships.

Today, Omega is an international group in steady growth, with branches across Europe and a structured plan for further expansion. It positions itself as a modern, reliable partner for the distribution of electrical and electromechanical components.



## OUR PARTNERS: AN ADDED VALUE

CHOSEN THROUGH YEARS OF EXPERIENCE, OUR PARTNERS ENSURE THE HIGHEST STANDARDS.

With a strong presence across Mediterranean Europe, Omega covers all major markets and application areas, maintaining a direct and constant relationship with its customers - always focused on maximum efficiency.



**FANS****DC MICRO FANS AND BLOWERS**

From 15x15 to 30x30mm  
 Supply 3.3/5VDC  
 Min. width 4.25mm - IP55

**DC FANS AND BLOWERS**

From 25x10 to 280x80mm  
 Supply 5/12/24/48VDC  
 Up to IP68  
 Additional functions: tachometric, speed control, alarm  
 High performance - finger guards, filters and more accessories available

**DC CENTRIFUGAL FANS**

Ø100x25 mm  
 12/24/48 VDC  
 Additional functions: tachometer, speed control, allarm

**AC FANS**

From 80x25 to 254x89 mm - Supply 115/230 VAC - IP55  
 Working temperature: -40°C - finger guards, filters and more accessories available  
 Non-sparking certification available on request

---

**AC/DC/EC CENTRIFUGAL FANS**


From  $\varnothing 133 \times 75$  to  $\varnothing 280 \times 125$  mm  
 Supply 24/48 VDC, 115/230 VAC, global voltage 100/240 VAC  
 EC version high energy saving

---



---

**EC AXIAL FANS**


From 60x25 to 280x80 mm  
 Supply global voltage 100/240 VAC  
 IP54 available  
 Non-sparking certification available on request  
 High energy saving

---



---

**FAN FILTERS FOR ELECTRICAL CABINET**


From 109x109 to 322x322 mm  
 RAL 7035  
 IP54  
 Also available heaters and thermostats

---



---

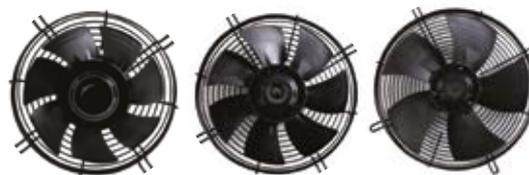
**TANGENTIAL FANS**


From 180 to 420 mm  
 Supply 220 VAC  
 Global Voltage 100/240 VAC  
 Atex - Low vibration

---

## INDUSTRIAL AXIAL FANS

### AC/EC AXIAL FANS



From Ø200 to Ø900 mm  
Supply 115/220/380 VAC  
IP44 and IP54

## REFRIGERATION MOTORS

### EC MOTORS



From 5 to 35 W  
Load Ø172/28° to Ø300/34°  
Also available compact and super compact series  
(Ø82x63 mm)

### SHADED POLE



5/10/16/25/34 W  
Up to 1550 rpm

## ACCESSOIRES



Metallic blades  
Plastic blades  
Low noise plastic blade  
Metal brackets

## SOLENOIDS

### OPEN FRAME LINEAR SOLENOIDS



From 10x8x16mm to 41x37x55mm  
Force from 10N to 70N

### TUBULAR LINEAR SOLENOIDS



From 13x44mm to 38x65mm  
Push and pull versions

### ROTARY SOLENOIDS



From ø20mm to ø90mm  
Types: three-ball, low profile - soft shift

## AC MOTORS

### AC SYNCHRONOUS MOTORS



From  $\varnothing 13\text{mm}$  to  $\varnothing 64\text{mm}$   
 Combinable with gearboxes  
 Linear version available

### AC STEPPER MOTORS



From  $\varnothing 13\text{mm}$  to  $\varnothing 64\text{mm}$   
 Combinable with gearboxes  
 Speed control  
 Step angle control  
 Linear version available

### GEARBOXES



Load from 30cNm to 2500cNm  
 Different sizes available

### UNIVERSAL MOTORS



Laminated core from  $\varnothing 40\text{mm}$  to  $\varnothing 100\text{mm}$

### AC INDUCTION



100..440 V - 50-60 Hz / 1-3 ph  
 Flange from 60x60 to 104x104 mm  
 $P_{\text{out}} = 6..200 \text{ W}$   
 Options: reversible, brake, tachometric, terminal box

### AC SHADED POLE



24..240 V  
 50-60 Hz  
 $P_{\text{in}} < 100 \text{ W}$   
 Available with UL approval

## BRUSHLESS AND BRUSHED DC MOTORS



24-48 V

 $P_{out}=30..400$  W

Flange from 60x60 to 104x104mm

Specific drive available



12-24 V

 $P_{out}=8..500$  W

Flange from 42x42 to 86x86

Specific drive available



12-18-24 V

 $P_{out}=\text{fino a } 40$  W

Diameter from 16 to 45 mm

Speed up to 32.000 rpm

Specific drive available



24-48 V

 $P_{out}=80..130$  W

Flange 60x60 mm

Speed from 400 to 4.000 rpm

On-board electronics control

8-26 V -  $P_{out}=14$  W

Diameter 36 and 42 mm

Speed up to 4.000 rpm

On-board electronics control



24 V

 $P_{out}=15..138$  W

Flange 57 mm

Speed up to 3.000 rpm

Optional on-board drive

## DC BRUSHED MOTORS



From  $\varnothing 20\text{mm}$  to  $\varnothing 60\text{mm}$   
 Brushless available  
 Customizable

## STEPPER MOTORS



Sizes from NEMA 11 to NEMA 43  
 Static torque from 0,6 Nm to 30 Nm  
 Step angle 1.8°

## PARALLEL SHAFT GEAR MOTORS

### BRUSHLESS DC TECHNOLOGY



24-48 V -  $P_{\text{out}} \leq 400\text{ W}$   
 Flange from 36 to 104x104 mm  
 Integrated or external drive

### BRUSHED DC TECHNOLOGY



12..90 V -  $P_{\text{out}} = 2..200\text{ W}$   
 Flange from 36 to 90x90mm  
 Speed up to 2 rpm

### SYNCHRONOUS AC TECHNOLOGY



24..440 V -  $P_{\text{out}} = 9..85\text{ W}$   
 50-60 Hz 1-3 ph  
 Flange 60x60 mm -  
 Speed from 1 rpm

### AC INDUCTION TECHNOLOGY



100..440 V -  $P_{\text{out}} = 6..200\text{ W}$   
 50-60 Hz  
 Flange from 60x60 to 104x104  
 Options: reversible, brake, tachometric, terminal box

## PLANETARY GEAR MOTORS

### BRUSHLESS DC TECHNOLOGY



24 V -  $P_{out}=10..138$  W  
 Diameter from 16 to 57 mm  
 Reduction ratio from 1:4 to 1:216

### BRUSHLESS DC TECHNOLOGY WITH ELECTRONICS



12-24-48 V -  $P_{out}=8..40$  W  
 Diameter from 16 to 57 mm  
 Speed from 2 to 6.000 rpm

### BRUSHED DC TECHNOLOGY



12-24 V -  $P_{out}=15$  W  
 Diameter from 12 to 52 mm  
 Speed from 3 rpm

### CORELESS DC TECHNOLOGY



3.48 V -  $P_{out}=3..40$  W  
 Diameter from 1.6 to 45 mm  
 Speed up to 6.200 rpm

### SYNCHRONOUS AC TECHNOLOGY



24..440 V -  $P_{out}=9..85$  W  
 50-60 Hz 1-3 ph  
 Diameter from 42 to 65 mm Speed from 3 rpm

## RIGHT-ANGLE GEAR MOTORS

### AC INDUCTION TECHNOLOGY



230-380 V -  $P_{out}=25..200$  W  
 Flange 80x80 and 90x90 mm  
 Speed from 7 rpm

### SYNCHRONOUS AC TECHNOLOGY



12-24 V -  $P_{out}=85$  W  
 Speed from 15 rpm

**BRUSHLESS DC TECHNOLOGY**



12-24 V -  $P_{out}=8..60$  W  
Integrated or external drive

**BRUSHED DC TECHNOLOGY**



12-24-90 V -  $P_{out}=3..200$  W  
Speed up to 300 rpm

**BRUSHLESS DC TECHNOLOGY WITH INTEGRATED ELECTRONICS**



12-24 V -  $P_{out}=3.5..130$  W  
Speed up to 300 rpm

**FLAT GEAR MOTORS**

**BRUSHLESS DC TECHNOLOGY**



24-48 V -  $P_{out}<400$  W  
Flange from 60x60 to 90x90  
External drive

**BRUSHLESS DC TECHNOLOGY WITH INTEGRATED ELECTRONICS**



12-24 V -  $P_{out}<12$  W  
Speed from 6.5 to 305 rpm

**BRUSHED DC TECHNOLOGY**



12-24 V -  $P_{out}=6..12$  W -  
Speed from 15 rpm

**SYNCHRONOUS AC TECHNOLOGY**



24..440 V -  $P_{out}=9..85$  W  
Speed from 1.9 rpm

**AC INDUCTION TECHNOLOGY**



100..440 V -  $P_{out}=6..200$  W  
Flange from 60x60 to 90x90 - Speed from 6 rpm  
Options: reversible, brake, tacho, terminal box

**AC SHADED-POLE TECHNOLOGY**



24..415 V -  $P_{out}<10$  W  
Speed from 0.8 to 290 rpm

# A WORLD OF APPLICATIONS



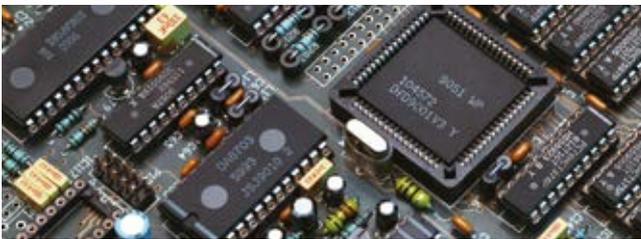
## AUTOMATION

- Control and management of industrial production processes



## DEFENSE

- Military vehicles
- Communication systems
- Controllers



## ELECTRONIC AND ELECTRICITY

- PCB
- Low and Medium Voltage
- Electric panels



## ELECTRICAL APPLIANCES

- Large and small appliances
- Industrial appliances
- Professional cooking



## VEHICLES

- Automotive
- Transports
- Agriculture
- Marine



## GREEN ENERGY

- Photovoltaic
- Renewable
- Electric Vehicles
- Storage



## LIGHTING

- Industrial plants
- Design



## HVAC

- Refrigerated counters
- Hot/Cold systems
- Heating



omegafusibili.it



**Omega Fusibili S.p.A.**

Via Edison, 10 - 20057 Assago (MI) - Italia  
Tel. +39.02.488481 | Fax +39.02.4882522  
omega@omegafusibili.it | [www.omegafusibili.it](http://www.omegafusibili.it)



**Omega Composants Sarl**

220 rue Ferdinand Perrier  
69800 Saint-Priest - France  
Tel. +33 (0)4 78 90 85 64 | Fax. +33 (0)4 78 90 84 65  
omega@omegacomposants.fr | [www.omegacomposants.fr](http://www.omegacomposants.fr)



**Ermec S.L.**

Avda. de Arraona 85 - Nave 4  
08210 Barberà del Vallès  
Barcelona (SPAIN)  
Tel. +34 93 450 1600  
info@ermec.com | [www.ermec.es](http://www.ermec.es)



ALI PER L'AFRICA  
DES AILES POUR L'AFRIQUE  
WINGS FOR AFRICA  
[www.mabawa.org](http://www.mabawa.org)

