



East West
design • manufacturing • distribution

Motor Products and Services

Our Services

Engineering & Design

Our engineering support helps to recommend design improvements, reduce manufacturing costs, enhance functionality and improve quality. As an Original Design Manufacturer (ODM), we become an extension to your overburdened engineering team and bring expertise in offshore manufacturing.

Manufacturing

East West was founded by engineers and teams with engineers who understand products and Design for Manufacturability (DFM). Our modern, 500,000 square foot motor production facility was designed from the ground up with quality, efficient motor production in mind.

Distribution & U.S. Based Customer Support

East West offers warehousing, distribution and cross-docking services. From loading containers to customs clearance, full logistics management to paperwork and administrative functions, we handle every detail so you don't have to. Our Atlanta-based customer support is only a phone call away if you have any questions or concerns about your orders. Our Customer Service Representatives have been praised for their quick communication in urgent times and work closely with our logistics team to ensure your product is delivered on time.

Areas of Expertise

- AC & EC fan motors
- OEM customized fan, blower and pump solutions
- Electrical subassembly/box builds
- CFD (computation fluid dynamics)
- Electronic PCBAs
- Plastic injection molding & tool making
- Metal stampings
- Metal castings & forgings
- Complete Class 2 medical devices



EC Motors and Fans

Typically used in bottle coolers, reach-in display cases, vending machines, and other refrigerated equipment.



ECR2

KEY FEATURES	
Dual Voltage	80 - 264 VAC, 50/60Hz
Noise Level	Near Silent Operation
Output Power	13W maximum
Speed Range	300 - 1800 RPM field programmable in 50 RPM increments
Speed Options	3-speed, reversible or timed reverse options
Thermal Protection	Electronic Protection. Locked rotor and automatic thermal de-rating also included.
Refrigerant Compatibility	HFC, CO2 and hydrocarbon (per IEC60335-2-89 Annex BB)
IP Rating	IP67 Standard (washdown duty)
Operating Temp.	-30°C to +50°C (-22°F to +122°F)
Agency Approvals	

* Typically used with 6" - 10" diameter blades. Consult with your East West Manufacturing Sales Associate for blade pitch angle compatibility.

** Consult with your East West Manufacturing Sales Associate for available customized OEM options and mounting options.



ECF2
200 mm Diameter
FAN ASSEMBLY

KEY FEATURES	
Dual Voltage	80 - 264 VAC, 50/60Hz
CFM Range	0-355 CFM (3 speed programmable)
Output Power	13W maximum
Speed Range	300 - 1800 RPM field programmable in 50 RPM increments
Speed Options	3-speed, reversible or timed reverse options
Thermal Protection	Electronic Protection. Locked rotor and automatic thermal de-rating also included.
Refrigerant Compatibility	HFC, CO2 and hydrocarbon (per IEC60335-2-89 Annex BB)
IP Rating	IP67 Standard (washdown duty)
Operating Temp.	-30°C to +50°C (-22°F to +122°F)
Agency Approvals	



ECR1

KEY FEATURES	
Voltage	115 VAC, 60Hz or 230 VAC, 50/60Hz
Output Power	20W maximum
Speed Range	1100 - 2300 RPM range, factory programmed
Speed Options	Reverse, timed reverse, and 2-speed options
Thermal Protection	Electronic locked rotor and over-temperature protection with automatic restart
IP Rating	IP55
Operating Temp.	-30°C to +50°C (-22°F to +122°F)
Agency Approvals	(most models) (some models)

* Typically used with 6" - 10" diameter blades. Consult with your East West Manufacturing Sales Associate for blade pitch angle compatibility.

** Consult with your East West Manufacturing Sales Associate for available customized OEM options and mounting options.



ECR82/92P

KEY FEATURES	
Voltage	115 VAC, 60 Hz or 230VAC, 50Hz
Output Power	16W at 115 VAC, 60Hz; 12W at 230 VAC, 50Hz
Constant Speed	UltraSynch™ technology: motor maintains absolute constant speed across a wide voltage range
Speed Rating	Synchronous - 1800 RPM at 115 VAC, 60 Hz or 1500 RPM at 230 VAC, 50Hz. Non-programmable, CCW or CW
Refrigerant Compatibility	ATEX version available
Operating Temp.	-30°C to +50°C (-22°F to +122°F)
Agency Approvals	

* Typically used with 6" - 10" diameter blades. Consult with your East West Manufacturing Sales Associate for blade pitch angle compatibility.

** Consult with your East West Manufacturing Sales Associate for available customized OEM options and mounting options.



The 1/6th HP EC motor is designed for heating, ventilating and air conditioning systems. This motor has a peak efficiency of 74% and is available in either single shaft or dual shaft.



1/6th HP EC

Series production ready with UL

KEY FEATURES	
Tri Voltage	115 - 277 VAC, 50/60Hz
Frame Size	95 mm
Max Current	2.4 A max. at 115 VAC input
Speed	300 - 1800 RPM
Rotation Direction	Programmable CCW or CW
Max Output Power	130 W max.
Temperature Range	0-40 C°
Mounting Options	Resilient mount (single & dual shaft); 3 point welded bracket option for single shaft applications
Controller	Locally mounted or remote option up to 1 meter away from motor
Speed Control	0-10V, PWM, 3 speed taps for 3.3-24 VAC/VDC or 3 speed taps from line voltage
IP Rating	IP43
Agency Approvals	UL 1004-1, UL 1004-3, UL 1004-7, UL 60730-1, CAN CSA E60730-1, CSA C22.2 No. 77-14, CSA C22.2 No. 100-14

The 1/5 to 1/2 HP EC motor is designed for HVAC systems. The motor has selectable efficiency options of standard, high or premium efficiency with maximum motor/controller efficiency of 91%. The motor is available in either single shaft or dual shaft.



1/5th-1/2 HP EC

COMING SOON

KEY FEATURES	
Tri Voltage	115 - 277 VAC, 50/60Hz
Frame Size	42 frame
Max Current	7.2 A max. at 115 VAC input
Speed	300 - 1800 RPM
Rotational Direction	Programmable CCW or CW
Max Output Power	373 W max.
Temperature Range	0-55 C°
Mounting Options	Belly band, or resilient mount (single and dual shaft)
Controller	Integrated, or remote mounted up to 1 meter away from motor
Speed Control	0-10V, PWM, 3 speed taps for 3.3-24 VAC/VDC or 3 speed taps from live voltage
IP Rating	IP45
Agency Approvals	Coming soon

PSC Motors

Typical Applications

- Direct Drive Furnace Blower
- Condenser Fan
- Ventilation
- Filtration/Room Air Cleaners
- Heat Exchangers
- Fan Coil
- Evaporative Coolers
- PTAC (Packaged Terminal Air Conditioner)
- Refrigeration



FRAME SIZE	HP (RANGE)	VOLTAGE (RANGE)	RPM (RANGE)	# OF SPEEDS (RANGE)	# OF SHAFTS (RANGE)
3.3"	40 watts -1/12	115 – 230	1325 – 1600	1 or 3	1
42	1/30 – 1/3	115 – 240	1075 – 1550	1 or 3	1 – 2
48	1/6 – 3/4	115 – 230	825 – 1725	1, 2, or 3	1 – 2

Looking for additional motors? East West offers our customers a wide range including shaded pole, brushed DC, brushless DC, and universal motors.



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