

# IEC Aluminum Metric Frame Motors

## IEC Series

Three-phase, totally enclosed fan cooled motors with FF-Flange or C-Din Flange configurations

WorldWide Electric's IEC Metric Frame Motors are specifically designed for the needs of our customers utilizing equipment manufactured overseas. WorldWide Electric's IEC motors operate at IE3 Efficiency at 50 Hz and are NEMA Premium Efficient at 60 Hz operation. Features include an aluminum frame, a multi-mounting frame design, a vacuum pressure impregnation system, and CE and IEC60034-1 certifications.



## Quick Specs & Features

- Output: ¼ - 25 hp
- Speed: 3600, 1800, and 1200 rpm
- Voltage: 230/460 Volts at 60 Hz, 190/380 Volts at 50 Hz
- Service Factor: 1.15 SF at 60 Hz, 1.0 SF at 50 Hz
- Two year warranty



**Responsive**  
Service & Technical Support



**Quality Products**  
Competitive Pricing



**In Stock Availability**  
Warehouses Nationwide



**Fast Shipping**  
Same-Day Available

## Product Features

- Totally Enclosed Fan Cooled (TEFC) enclosure
- Metric frame with FF-Flange and C-Din Flange configurations
- IP55 protection
- IEC60034-1
- CE Certified
- IE3 efficiency at 50 Hz operation
- Aluminum frame
- Multi-mounting frame design
- F3 mounting configuration from stock
- Oil seal on DE and ODE
- Vacuum Pressure Impregnation (VPI) system
- RAL 6007 color

## Aluminum Worm Gear Reducers with Metric Flanges

When your application requires a lightweight speed reducer, WorldWide Electric's aluminum right angle CALM Series worm gear reducers are a durable, reliable, and highly compatible option. Features include a hardened worm shaft for increased durability, two bearings on all input and output shafts for reliable performance, and multiple mounting holes for all angle mounts. A wide variety of metric input flange and hollow output bore sizes will ensure compatibility with many applications.



## Model Number Selection

### Sample Part Number: IEC1-18-80-C

Each model number contains the product family, horsepower, rpm, and IEC frame size. Ratings for hp with a decimal will carry a decimal to the model number, i.e. 1.5 hp becomes IEC1.5-18-90. Ratings for hp listed in fractions will drop the slash, i.e. 1/3 hp becomes IEC13-18-63. Ratings for rpm are divided by 100 i.e. IEC13-18-63.

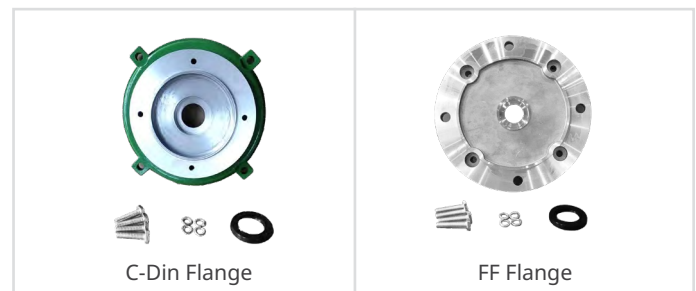
*‡ Not all combinations indicated by this table are possible. Please contact us or visit [shop.worldwideelectric.com](http://shop.worldwideelectric.com) for more information on availability.*

HP	RPM	IEC Frame Size	Frame/Flange/Face
1/4	1800	63	C
1/3	3600	71	FF
1/2	1200	80	
3/4		90	
1		100	
1.5		112	
2		132	
3		160	
4			
5.5			
7.5			
10			
15			
20			
25			

## IEC Mounting Flanges

FF Flanges and C - Din Flanges are available and sold separately. Part numbers contain the IEC frame size followed by the appropriate flange suffix, i.e. IEC100 - FF.

Suffix	Flange Type	Mounting
- C	C-Din Flange	B34/B14
- FF	FF Flange	B35/B5



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.

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