



IEC Aluminum Frame Motors

WorldWide Electric Reliability in IEC Frame Sizes

WorldWide Electric's IEC Frame Motors are specifically designed for the needs of our international customers and domestic 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.

Specifications

- Output: 1/4 - 25 HP
- Speed: 3600 and 1800 RPM
- Voltage: 230/460V at 60 Hz
190/380V at 50 Hz
- Service Factor: 1.15 SF at 60 Hz
1.0 SF at 50 Hz

In-Stock and Ready to Ship

We aim to make our customers more competitive by stocking the products they need and responding to their requirements with a shared sense of urgency. With \$50 million of ready-to-ship inventory at six regional US warehouses, we're ready to assist you!

For more details, visit wwec.co/IEC

Product Features

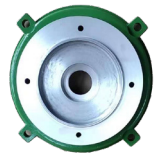
- 1/4 - 25 HP
- 3600 and 1800 RPM
- Three-Phase
- 230/460V at 60 Hz
- 190/380V at 50 Hz
- 1.15 SF at 60 Hz / 1.0 SF at 50 Hz
- TEFC Enclosure
- IP55 Protection
- IEC60034-1
- CE Certified
- IE3 Efficiency at 50 Hz Operation
- Aluminum Frame
- Multi-Mounting Frame Design
F3 Configuration from Stock
- Oil Seal on DE and ODE
- Vacuum Pressure Impregnation (VPI) System
- RAL 6007 Finish Color
- Two-Year Warranty

For more details, including full specifications and compliance, visit wwec.co/IEC

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	Metric C-Flange	B34/B14
-FF	FF Flange	B35/B5



Metric C-Flange for WorldWide Electric IEC Frame Motor



FF Flange for WorldWide Electric IEC Frame Motor



WorldWide Electric IEC Frame Motor with FF Flange IEC1.5-18-90 and IEC90-FF



WorldWide Electric IEC Frame Motor IEC3-18-100

Model Number Selection

Each model number contains the product family, horsepower, RPM, and IEC frame size.

IEC	1	-	18	-	80
Product Family	Horsepower*		RPM/100		Frame

For example, model number "IEC1-18-80" is a 1 HP, 1800 RPM, 80 Frame IEC Motor.

* HP ratings with a decimal will carry a decimal to the model number, i.e. 1.5 HP becomes IEC1.5-18-90. Fractional HP ratings drop the slash, i.e. 1/3 becomes IEC13-18-63.

Available Models[‡]

Horsepower	RPM	IEC Frame Size
1/4	1800	63
1/3	3600	71
1/2		80
3/4		90
1		100
1.5		112
2		132
3		160
4		
5.5		
7.5		
10		
15		
20		
25		

[‡] Not all combinations indicated by this table are possible. Please contact a representative or visit worldwideelectric.net for more information on available models.



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, and gear reducers as well as the exclusive master distributor of Hyundai Electric's low-voltage motors and drives. Offering fast, often same-day, shipping from six 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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