

IMF Series Variable Frequency Permanent Magnet Synchronous Motor



High Efficiency
Universal Compatibility



Frame Size: H80~H355

Rated Speed: 1500rpm

AC380V

0.55kW

3.5N.m

500kW

3183N.m

Frame Size : H100~H315

Rated Speed: 1500rpm

AC380V

45kW

287N.m

315kW

2006N.m

High-Efficiency Energy Saving

- Motors $\leq 90\text{kW}$ meet China's Grade 1 Energy Efficiency standard.
- High power factor eliminates the need for extra compensation devices, reduces reactive current, lowers line losses, and improves grid utilization.

Universal and Convenient

- IMF10A Series: Fully compatible with standard asynchronous motor mounting dimensions and specifications, enabling direct “drop-in” upgrades for older equipment.
- IMF10B Series: High power density design. With specifications remaining constant, the frame size drops by 1-2 levels, saving installation space and enabling more flexible equipment layouts.

Stable and Reliable

- IP55 protection rating plus CE certification to handle demanding operating conditions.
- 80K low-temperature-rise design, with peak overload capacity of $1.7\times$ ($\leq 20\text{s}$) and $1.2\times$ overspeed capability, providing ample performance headroom.