



An Easy Solution to High Energy Bills For Roof Top Package Units Permanent Magnet Variable Speed Systems

THE MOST ENERGY EFFICIENT MOTOR IN THE INDUSTRY



The FridgeWize RTU solutions are the only systems that integrate the efficiency of a permanent magnet motor with the efficiency of a variable speed rooftop package control system. Matched motor and drives offer the highest reliability to ensure trouble-free operation for the Roof Top Package Unit (RTU). Various control options allow the customer the flexibility to choose a system to match their needs to provide comfort while saving energy.

SPECIFICATIONS:

- Fully Variable brushless permanent magnet AC motor
- Ratings from 1HP to 30HP belt drive application
- 208V to 460V, 3 Phase voltage configuration
- Matched motor and controller to ensure reliable variable speed operation
- Motor insulation system rated to be operated with VFD's
- Integrated motor and control for 3HP and below
- Permanent magnet with external VFD for 5HP and above
- Near constant efficiency across the speed range unlike existing induction motor systems
- Motor designed to RTU OEM specifications for reliability

BENEFITS:

- System solution for existing rooftop units to extend the life of a package unit while achieving significant energy savings
- Simple package solution with motor and control to ensure reliable and efficient operation
- Flexible package options to adapt to wide range of existing system configurations to maximize energy savings while achieving comfort
- Easy installation and startup
- Package options to replace existing economizers, sensors, and actuators with industry leading brands
- Enjoy the same OEM speed controls available on new RTU units as specified by the Department of Energy (DOE)

FEATURES:

- Permanent Magnet AC Motor exceeds NEMA Premium and DOE efficiency standards
- Converting Constant Volume Systems to Variable Volume Systems to achieve energy reductions
- Soft speed ramp up to promote system longevity
- Drop in replacement for existing package units
- Lower motor operating temperatures to promote longer life of the motor insulation and bearing systems

