

# Breakthrough Motor Efficiency Q-Sync<sup>®</sup> 12W Motors (60 Hz) Constant Speed

Reduce total cost of ownership with patented motor control technology, industry-leading efficiency, long operating life, ease of installation, and rebate eligibility.



## Q-Sync<sup>®</sup> Advantages

- ✓ Water resistant housing for carefree cleaning (IP65 Certified)
- Constant airflow and constant power maintain desired set temperatures

- Less heat generated reduces the load on the refrigeration system
- ✓ Quieter motors enhance customer experience





Design life of >10 years



Ease of Install

Rebat





### Selected Q-Sync<sup>®</sup> Constant Speed Motor Applications

#### 12W fan motors for:

- Reach-In Coolers
- Display Cases
- Refrigerated Prep Tables
- Upright and Under Counter Refrigeration
- Small Walk-in Coolers or Freezers
- Ice Machines, Vending Machines, and Other Refrigeration Applications



## **Q-Sync® Product Features**

### **More Energy Efficient**

- ✓ Fewer watts consumed compared to other motors
- Less heat generated by the motor, reducing thermal stress on the refrigeration system

#### Longer Life and Higher Reliability

- ✓ Design life is > 10 years
- Innovative and patented design results in 99% less duty cycle on electronics and increased surge protection
- Engineered to eliminate a start-stop capacitor which is a common failure point in other motors
- $\checkmark$  Lower in-rush current and better surge protection (up to 6000V)
- ✓ IP65 Certified (water and dust resistant)
- ✓ Built with extended life bearings

#### **Easier to Install**

- ✓ Drop-in replacement universal motor and basket mounts make installation up to 4X faster!
- $\checkmark$  A 16" cord with straight Lyall plug is standard

Q-Sync<sup>®</sup> is recognized by the US Department of Energy as a High Impact Technology For Commercial Refrigeration

### How Q-Sync® Patented PMSM Technology Works

QM Power's innovative design is the biggest breakthrough in motor technology in more than 50 years. Q-Sync<sup>®</sup> circuitry **eliminates the need** for electronic commutation to keep the motor spinning.

By operating the motor at the same frequency as the AC power line and **eliminating the AC to DC power conversions** from its circuit (no AC-to-DC rectifier, no DC link, and no DC-to-AC inverter), **Q-Sync® delivers unparalleled energy savings.** 





