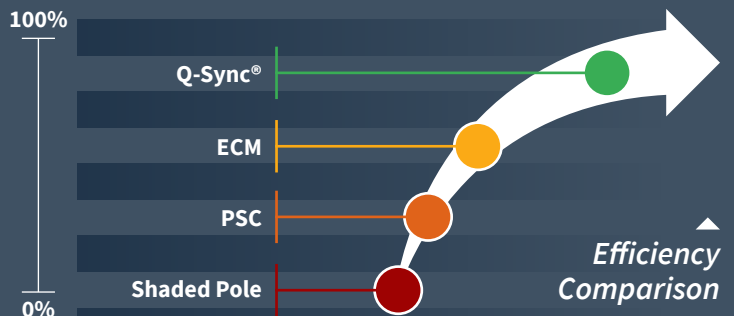




Breakthrough Motor Efficiency

Q-Sync® VS Variable Speed Fan Motors

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



Q-Sync® Advantages

- ✓ Water resistant housing for carefree cleaning
- ✓ Constant airflow maintains desired set temperatures
- ✓ Less heat generated reduces the load on the HVAC system
- ✓ Quieter motors enhance customer experience



Industry-leading efficiency



Design life of >10 years



Ease of Install



Rebate-friendly

Last Updated: 6/2/2022



Q-Sync® VS Fan Motor Applications

Variable Speed Motors for:

- Light Industrial Fans
- Commercial Fans
- HVAC/R Fans



Q-Sync® Product Features

1/4 HP, 1/3 HP, and 1/2 HP Options Available

More Energy Efficient

- ✓ Fewer watts consumed compared to other motors
- ✓ No switching losses at rated speed for maximum efficiency
- ✓ Less heat generated by the motor, reducing thermal stress on the HVAC system

Longer Life and Higher Reliability

- ✓ Engineered to eliminate a start-stop capacitor and run capacitors which are common failure points in other motors
- ✓ Lower in-rush current and better surge protection (up to 6000V)
- ✓ IP65 Certified (water and dust resistant)
- ✓ Built with extended life bearings in a frame size 48
- ✓ Designed for ultra-high reliability and long operating life

Industry's Best Power Factor

- ✓ Eliminates the need to consider power factor correction components and lightens the system's load
- ✓ Helps decrease electrical costs, and also lowers consumption of electricity from the grid



Q-Sync® is recognized by the US Department of Energy as a High Impact Technology



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® 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.**