

QT6100/ QT6101/ QT6104

# QwikSwap™

## The ECM Motor Change-Out Solution... That's On Your Truck!

- ▶ Direct replacement for any Constant Torque or Variable Air Flow ECM motor up to 1 HP
- ▶ *The solution is on your truck* – No need to wait and pay for that expensive OEM motor replacement
- ▶ Provides Variable Blower Air Flow (except the X1, QT6101)
- ▶ Fast Replacement, without programming; simply transfer the connection from the ECM motor to the QwikSwap™ Board and wire the QwikSwap™ board to any PSC motor
- ▶ Both the QwikSwap™ **X3** and **V3** automatically select the optimum PSC motor blower speed (Low, Medium or High) every time the unit cycles on
- ▶ Both the QwikSwap™ **X3** and **V3** provide improved humidity removal compared to fixed-speed operation (56% improvement at 82°F, 157% at 97°F outdoor air temperature)

## A QwikSwap™ for all ECM Motors!

### ECM Constant Torque Motors

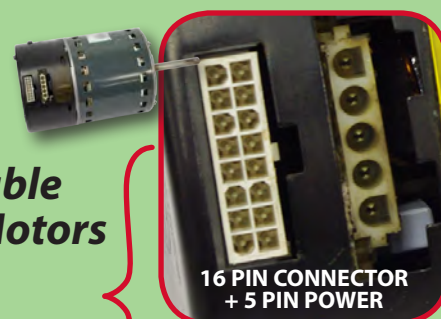
Use...  
QT6100  
QwikSwap™ **X3**

Or...  
QT6101  
QwikSwap™ **X1**



### ECM Variable Air Flow Motors

Use...  
QT6104  
QwikSwap™ **V3**



- ▶ Patent-pending high efficiency designs
- ▶ Equipped with 6,000 Amp, 100 Joules surge protection on all high voltage circuits
- ▶ Both the QwikSwap™ **X3** and **V3** work with *optional Humidity Sensor* (QT6001) for enhanced humidity removal

## QwikSwap™

### The Low-Cost, Robust Alternative to Expensive Unreliable ECM Motors

It is impractical to have all the different variations of ECM motors on the truck, so a failed ECM blower motor typically means a trip to the parts house and a few hours wasted.

### Now you can have the solution on the truck and save money too.

QwikSwap™ is a money saving solution that allows the replacement of a failed OEM ECM, X13® or SelecTech® Motor with a lower cost, more reliable, Permanent Split Capacitor (PSC) motor, along with a capacitor.

### There is a QwikSwap™ board for every type of ECM motor...

and it is a solution you can have on the truck, and no custom programming is required. QwikSwap™ boards operate with any PSC motor up to 1 horsepower, either 120 or 240 VAC single phase.



#### ▶ QwikSwap™ X1 (QT6101)

The basic QwikSwap™ X1 (QT6101) provides a **single technician-selected motor speed** when replacing a failed OEM **Constant Torque ECM**, X13® or SelecTech® motor. Installation is as easy as moving wires from the failed ECM motor to the QwikSwap™ X1 board, then connecting the replacement PSC motor's common and power lead to the QwikSwap™ X1 board (along with a capacitor).



#### ▶ QwikSwap™ X3 (QT6100)

QwikSwap™ X3 (QT6100) provides replacement of a failed OEM **Constant Torque ECM**, X13® or SelecTech® motor with Permanent Split Capacitor (PSC) motor while also **ADDING performance improving variable blower air flow capability** - like high end systems have. Installation is as simple as moving the wires from the failed ECM motor to the QwikSwap™ X3 board, then connecting the replacement PSC motor's common and three power leads (one for each speed) to the QwikSwap™ X3 board (along with a capacitor).



#### ▶ QwikSwap™ V3 (QT6104)

QwikSwap™ V3 (QT6104) provides replacement of a failed OEM **Variable Air Flow Rate ECM 2.0, 2.3, 2.5 or 3.0 motor** with a Permanent Split Capacitor (PSC) motor while **maintaining variable blower air flow capability**. As with any QwikSwap, installation simply requires moving wires from the failed ECM motor to the QwikSwap™ V3 board, then connecting the new PSC motor's common and the three power leads (one for each speed) to the QwikSwap™ V3 board (along with a capacitor).



#### ▶ Optional Humidity Sensor (QT6001)

While QwikSwap™ X3, QwikSwap™ V3 and our QwikSEER+® WattSaver all provide variable blower air flow leading to improved humidity removal, if humidity remains an issue these control boards have a simple plug-in connection for this optional humidity sensor. When installed on the control board and the relative humidity in the return air is measured to be greater than 50%, the control board control logic changes from maximizing performance to maximizing moisture removal. Once the humidity drops to below 50%, the control board returns to optimizing performance.

For more details or information about QwikSwap™ visit [www.qwik.com](http://www.qwik.com)

All marks shown within this document are properties of their respective owners, X13® is a registered Trademark of Regal Beloit®, SelecTech®, Emerson®, U.S. Motors® and Nidec® are registered trademarks of Nidec Motor Corporation. QwikProducts™ and QwikSwap™ are trademarks of Mainstream Engineering Corporation® Rockledge, Florida 32955, (321) 631-3550 • © 2016 Mainstream Engineering Corporation® • All QwikProducts™ are made in the USA. **Patents Pending**

