

QT6100/QT6101/QT6104/QT6110

# 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

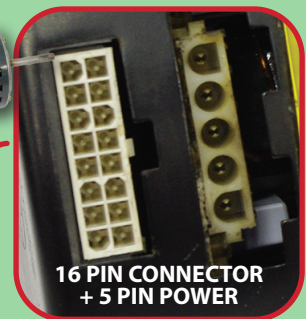
Use...  
QT6100  
QwikSwap **X3**

Or...  
QT6101  
QwikSwap **X1**

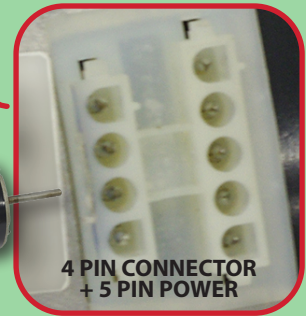


#### ECM Variable Air Flow Motors

Use...  
QT6104  
QwikSwap **V3**



QT6110  
**QwikConnect**  
**ECM Adapter**  
is useful for replacing  
ECM 2.3 or Eon Motors in fan coil units  
to Evergreen<sup>®</sup> CM or EM motors.



- ▶ 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<sup>®</sup> or SelecTech<sup>®</sup> 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<sup>®</sup> or SelecTech<sup>®</sup> 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). *Protected by U.S. Patents #9,417,005 & #9,207,001.*



#### ▶ QwikSwap X3 (QT6100)

QwikSwap X3 (QT6100) provides replacement of a failed OEM **Constant Torque ECM**, X13<sup>®</sup> or SelecTech<sup>®</sup> 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). *Protected by U.S. Patents #9,417,005 & #9,207,001.*



#### ▶ 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). *Protected by U.S. Patents #9,417,005 & #9,207,001.*



#### ▶ QwikConnect (QT6110)

QwikConnect (QT6110), ECM Adapter is useful for replacing ECM 2.3 or Eon Motors in fan coil units to Evergreen<sup>®</sup> CM or EM motors. This adapter has two plugs on the one end to receive the plugs that were intended for an ECM 2.3 / Eon motor (J1 for Power, J2 for Communications). The signals from J1 and J2 are wired to the appropriate plugs for the Evergreen<sup>®</sup> Motor (P1 for Power, P2 for Communications). This adaptor cable can only be used to replace a defective ECM 2.3 or Eon motor which uses a 16-pin connector and PWM speed control with the same voltage Evergreen EM (115, 208 or 230 VAC) or CM (208, 230, 277 VAC) motor. Use a QwikSwap for other motor types and applications



#### ▶ Optional Humidity Sensor (QT6001)

While QwikSwap X3, QwikSwap V3 and our QwikSEER+<sup>®</sup> 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<sup>®</sup> is a registered Trademark of Regal Beloit<sup>®</sup>. SelecTech<sup>®</sup>, Emerson<sup>®</sup>, U.S. Motors<sup>®</sup> and Nidec<sup>®</sup> are registered trademarks of Nidec Motor Corporation. QwikProducts<sup>®</sup> and QwikSwap<sup>®</sup> are registered trademarks of Mainstream Engineering Corporation, Rockledge, Florida 32955, (321) 631-3550 • © 2021 Mainstream Engineering Corporation  
All QwikProducts are made in the USA. Protected by U.S. Patents #9,417,005 & #9,207,001.

