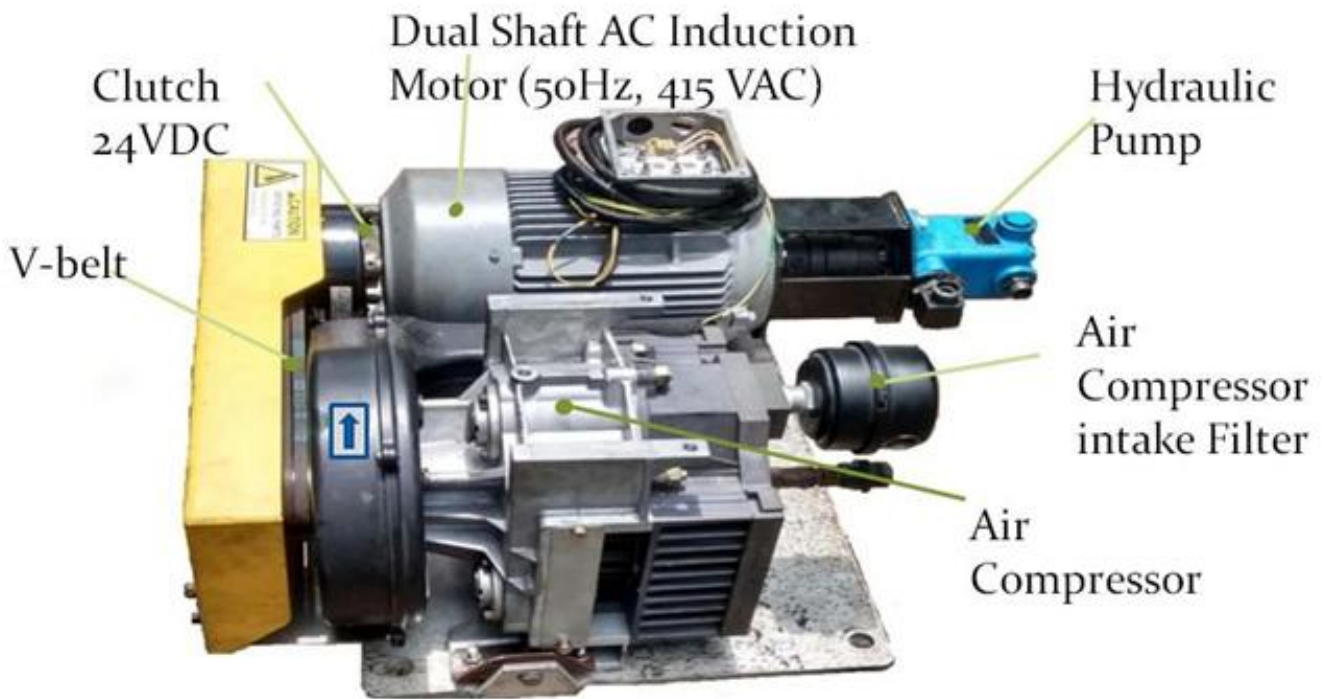


# Electrically Operated Auxiliary Drive for Electric & Hybrid vehicles



## Silent Features

- Auto operation
- Can be mounted anywhere
- Low noise
- Compact design
- No maintenance
- Oil free Scroll compressor

## Application overview

The electrically driven accessories module provides pressurized hydraulic fluid and compressed air, which are used to power the hybrid vehicle's hydraulic (e.g., power steering) and pneumatic systems (e.g., air brakes, suspension, and vehicle doors).

This module replaces Belt-driven air compressor and hydraulic pump that are usually connected to a standard vehicle's engine. Driving these components with an electric motor results in consistent accessories performance, and gives a greater opportunity for improvements in overall system efficiency.

## **Four key Components and their specification**

- **AC Induction motor**  
Electrical supply : 3 $\phi$  (U,V,W); 415V AC, 50 Hz, 7A  
Rated power : 2 to 5 kW  
Motor rpm @ 50 Hz : 1450 rpm
- **Air compressor**  
Inlet pressure : Ambient  
Rated flow : up to 15 CFM @ 140 psi
- **Electromagnetic clutch**  
Electrical supply : 24V DC  
Min. Pull in Voltage : 16V DC
- **Hydraulic pump**  
Type : Vane pump  
Inlet pressure : Ambient to 5 psi (not to exceed 10 psi)  
Outlet pressure : 140bar (pressure-relief setting)  
Rated flow : up to 25LPM @ 1,450 rpm