



Product

Custom Compressor Clutch

Application

Coach/Transit Bus HVAC System

Highlights

- Custom designed clutch
- 350 ft.lb. static torque rating
- 30% more torque than competitive models
- Clutch requires no adjustment or maintenance

One of the World's leading manufacturers of bus HVAC systems required highly reliable compressor clutches for use on air conditioning comfort systems designed for various transit and coach bus types and sizes.

The engineers at Warner Electric custom-designed a clutch that mounts directly to the air conditioning compressor shaft. The clutch is part of a completely automated temperature control system. The temperature inside the bus is thermostatically-controlled. When the temperature reaches a preset level, a switch sends an electrical current to activate the clutch which engages the compressor to cool the vehicle.

Warner Electric air conditioning compressor clutches are specifically designed to meet the rigorous demands of the vehicle operation - continuous-duty, long service life and harsh operating conditions. The unit's superior magnetic circuit design provides 30% more torque than competitive models. More torque translates to less slip, less wear and longer life. All clutch components including the armature disc, rotor pulley assembly, field coil, springs and bearings meet tight manufacturing tolerances.

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