

I N T R O D U C I N G

# Electromagnetic Fan Clutches



On-off clutch technology for medium duty trucks, buses, mobile off-highway and military vehicles from the manufacturer who pioneered the electromagnetic clutch business over 90 years ago

**Today's design standards  
are moving toward electric  
driven components**

**Integral pulley driven fan clutch designs  
with optional accessory drive pulleys,  
speed sensors, and more to match  
customer requirements**

Warner Electric fan drive clutches provide improved fuel economy, quicker engine warm-up, increased performance, reduced fan noise, and enhanced operator comfort.

Early involvement with Warner Electric's design team will help you develop a production solution tailored to meet your specific needs. Warner Electric engineers work closely with the customer to adapt our fan clutch technology to the unique requirements of each application.





## Electromagnetic Fan Clutches

# The Future in Clutch Design Today!

Warner Electric's advanced Fan Clutch designs for Medium-Duty and vocational along with off-highway trucks offer unique features and benefits

### TRUE ON/OFF FAN DRIVE

Warner Electric fan clutches are "engaged" only when required, so valuable horsepower is not needlessly wasted turning the fan. A direct fan drive is a parasitic loss of HP. A fully disengaged fan clutch means improved fuel economy, quicker engine warm-up, increased engine performance and reduced fan noise.

### COMPACT SIZE

Warner Electric's revolutionary compact fan clutch designs provide the highest possible torque in a small package. Flange mount designs enable an on/off fan clutch to replace traditional viscous fan drives without adding axial length, and Warner Electric's unique designs make installation quick and easy.

### PERFORMANCE & CONTROLS

Unlike viscous fan drives, which do not perform well in cold ambient temperatures, Warner Electric fan drives are resistant to climate change, easily installed, and efficiently controlled uses existing sensors, and on-board engine ECM with PWM controls and J1939 communication. Available in 12 & 24 VDC.

### PROVEN DURABILITY/RELIABILITY

Warner Electric's proven fan clutch designs provide consistent, maintenance-free, reliable performance for the life of the product. The bolt on, one piece assembly is easy to install and requires no adjustments for the life of the clutch. Warner Electric has manufactured millions of clutches for over 90 years for automotive and off-highway applications using the same electromagnetic technology and continues its technological leadership in electric clutch design today.

### ADDITIONAL CLUTCH PRODUCTS FOR VEHICLES & OFF-HIGHWAY MACHINERY

Warner Electric uses the same proven technology to clutch many other vehicle installed systems, such as superchargers, air compressors, A/C refrigerant compressors, hydraulic pumps, and hybrid drives. De-coupling these systems when not in operation saves horsepower; vitally important with today's rising fuel cost.

