

EC450[®] and EC600[™] Electromagnetic On/Off Fan Drives



The superior design of the EC450 and EC600 Electromagnetic On/Off Fan Drives delivers efficient cooling while improving engine performance in today's demanding diesel engines. And the no-slip operation responds quickly to cooling requirements in medium-duty trucks, buses and off-highway equipment.

■ Precise temperature control and maximum efficiency

- Fan only engages when needed (only about 10 percent of the time)
- Saves fuel and gains horsepower

■ Zero lifetime maintenance costs

■ Fast and easy installation



EC450 and EC600 Electromagnetic On/Off Fan Drives Specifications

	EC450 [®]	EC600 [™]
Dynamic out-of-box torque	96 N-m [850 in.-lbs.]	170 N-m [1500 in.-lbs.]
Typical fan blade capacity	660 mm [26 in.] diameter	711 mm [28 in.] diameter
Typical engine horsepower range	37–205 kW [50–275 hp]	37–205 kW [50–275 hp]
Weight	5.9 kg [13 lbs.]	8.0 kg [17.6 lbs.]
Parasitic loss in off mode	0 vs. 1.1–1.5 kW [0 vs. 1.5–2 hp] with competitive fan drives	0 vs. 1.1–1.5 kW [0 vs. 1.5–2 hp] with competitive fan drives
Power source	12 V [4 amps], 24 V [2 amps]	12 V [4,5 amps], 24 V [not available]

ENGINEERED FOR:



Inside Information

Choose the leader. With more than 60 years of industry experience, commitment to service, reliability and innovation, Horton is a premium worldwide provider of cooling solutions for engines. Horton's comprehensive research and development processes are driven by a dedication to exceed the cooling demands of reduced-emission engines today and in the future. We're proving our performance every day. In the toughest operating climates. Yours.

Nylon, Metal & Composite Fans

Horton's innovative lines of nylon, metal and composite fans are designed for a broad range of applications and operating conditions.

Designed to provide increased airflow and optimal cooling, there is a Horton fan to meet your needs.



Features

Electromagnetically actuated

Benefits

No air supply required; ideal for vehicles without air brakes

On/Off Design

- Efficient cooling operation for increased fuel economy
- Improved engine power from minimized drag
- No-slip operation for more efficient cooling
- Quick response to cooling needs

Precise engine temperature control

- Lower emissions
- Fast engine warm-up for more heat to passenger and driver compartment
- Improved system performance
- Improved air conditioning performance

Maintenance-free

High reliability

Committed to Your Ideal Airflow Solution

Horton[®] is the premium provider of engine cooling solutions worldwide. Our culture of innovation delivers high-performance products that last and services that help you meet your commitments. Trust Horton to help your products last longer, run quieter and consume less fuel.

Horton is IATF 16949, ISO 14001 and ISO 9001 certified.