



Electromagnetic On/Off Fan Drives

EC450[®] and EC600[™]



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 control, maximum efficiency

For precise temperature control, the fan drive engages only when it's needed—about 10 percent of the time. That means your vehicle will operate at maximum fuel efficiency 90 percent of the time, saving you money. When operating at maximum fuel efficiency, you'll gain horsepower, enabling you to haul heavier loads and tackle steep grades.

You'll save time and money with the EC450 and EC600 thanks to minimal installation and zero lifetime maintenance. Reliable Horton products that give you an even cooler bottom line.

Cooling Solution

EC450 and EC600 Electromagnetic On/Off Fan Drives. A superior design for diesel engines in medium-duty trucks, buses and off-highway equipment. Reliable cooling solutions from the Horton climate of innovation.



Engine **Cooling Solutions** Worldwide[®]

HORTON[®]



EC450® and EC600™ Electromagnetic On/Off Fan Drives Specifications

	EC450	EC600
Actuation	Electromagnetic	Electromagnetic
Fan drive weight	13 lbs. [5.9 kg]	17.6 lbs. [8.0 kg]
Dynamic out-of-box torque	850 in.-lbs. [96 Nm]	1,500 in.-lbs. [170 Nm]
Fan blade capacity (diameter)	26 in. [660 mm]	28 in. [711 mm]
Engine horsepower range	50-275 HP diesel engines, [37-205 kW]	50-275 HP diesel engines, [37-205 kW]
Parasitic loss in off mode	0 HP vs. 1.5-2 HP [1.1-1.5 kW] with competitive fan drives	0 HP vs. 1.5-2 HP [1.1-1.5 kW] with competitive fan drives
Power source	12 V [4 amps], 24 V [2 amps]	12 V [4.5 amps], 24 V [not available]

INSIDE INFORMATION

Engine Efficiency and *Fuel Savings*

Horton Solution	Your Benefit
Electromagnetically actuated	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

Applications

From congested traffic with its starts and stops to the open road, the EC450 and EC600 are designed to perform in all types of weather. Both are perfectly suited for the highly regulated and cost conscious environments of medium-duty trucks, buses and off-highway equipment.

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.

Engine **Cooling Solutions** Worldwide®



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