

Cartridge Engine Air Filters – Racor ECO TL Series | #EAF252590UL

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Racor ECO-TL, 2.5 inches / 64 mm Inlet, 2.5 inches / 64 mm Elbow Outlet, Primary Air Filter

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Technical Specifications

Inlet Connection:

2.5 inches / 64 mm

Element Type:

Primary Air Filter

Outlet Port Connection Type:

Elbow

Certificates:

UL® flame retardant filter

Outlet Connection:

2.5 inches / 64 mm

Length:

15.7 inches / 399 mm

Outside Diameter:

8.7 inches / 221 mm

Brand:

Racor

Product Series:

ECO-TL, Cartridge Air

Materials of Construction:

Engineering Plastic

Pre-Cleaner:

None

For Fluid Type:

Engine Air

Air Flow Rate:

6" water at 138 cfm / 8" water at 157 cfm / 10" water at 176 cfm CFM

Compatible Element:

EAPE68315FR

Compatible After Filter Element:

None

Accessories Included:

Filter Service Indicators:

400033015 (3 - 15 inches water vacuum)

400033020 (4 - 20 inches water vacuum)

400033025 (4 - 25 inches water vacuum), EARC2500 Rain Cap

Element Removal Clearance:

12 inches / 350 mm inch

Item information

For equipment that operates in high-dust environments, plugged filters are a costly problem that can lead to decreased power output, reduced fuel economy, and shortened engine component life.

The Racor ECO TL Series is a line of heavy-duty cartridge engine air filters designed and built to meet the demanding requirements of agricultural, construction, turf care, forestry, and mining applications. The filter's engineered media removes 99.9% of contaminants from the air and provides exceptional performance and reliability in harsh environments, where excessive vibration, extreme temperatures, and unclean air can wreak havoc on critical engine components.

ECO TL Series filters are highly compact and come available in a variety of configurations, making them suitable for use with any engine or application. The air filters have cartridge replacement elements and most have secondary safety elements. In filters where secondary elements are not standard, they can be included as an option.

How it works:

ECO-TL Series Air Cleaners improve engine fuel economy, increase power output, and protect critical engine components from damaging air particulates. Air flows through the tangential inlet, which causes it to spin inside the housing, separating the heaviest contaminants (dust, water, dirt, insects and other debris) from the air stream. These contaminants are then discharged automatically through an integral evacuator valve. Only pre-cleaned air flows to the air filter element, greatly extending its service life.

Markets:

- Construction
- Agriculture
- Power Generation
- Oil and Gas
- Transportation
- Forestry
- Mining

Applications:

- Gasoline
- Diesel

Benefits:

- Ensures delivery of clean, purified air into gasoline and diesel engines. This allows the engine to breathe easier, resulting in increased power, torque, and fuel economy.
- Reduces downtime, prolongs engine, filter, and turbocharger life
- Innovative design features a low profile twist locking mechanism, which reduces the clearance required for filter change-outs.
- Twist lock design with no external clips or latches takes up less space than competitive designs.

Features:

- Integrated filter restriction indicator port with optional restriction indicator
- Straight or 90° outlet, 360° adjustable rotation, and port for vacuum indicator
- Evacuation valve allows accumulated water and dust to drain
- Polished stainless steel mounting bracket built to withstand corrosive environments
- Industry-standard urethane radial seal replacement element design
- Durable high-efficiency, high-capacity cellulose media
- Working temperature -40°C to 100°C (-40°F to 212°F)
- UL flame retardant filters available
- Fits engines up to 175 hp (up to 325 cfm).

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CAD Drawings + Files

No CAD files available



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