

Cartridge Engine Air Filters – Racor ECO, AF, and EA Series | #AFCS311

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Racor Cartridge Engine Air Filters ensure delivery of clean, purified air into gasoline and diesel engines. They come available with a wide range of flow rate and mounting options, making them suitable for use in any engine or application.

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Technical Specifications

Pre-Cleaner:

Dynamic Vane

Filter Element Type:

Primary Air and Safety Filters

Flow Range:

741 to 988 cfm (21.0 to 28.0 m³/m)

Maximum Flow Rate:

1000 cfm (28 m³/m)

Connection Type:

Straight

Materials of Construction:

Coated Steel

Application:

Heavy Dust

Brand:

Racor

Product Series:

AFCS, Cartridge Air

For Fluid Type:

Engine Air

Outlet Connection Size:

6 in/15.2 cm

Output Power:

260 to 320 HP (194 to 239 KW) HP

Inlet Connection Size:

No Connection

Length:

30.6 in/77.7 cm

Outside Diameter:

14.5 in/36.8 cm

Mounting Position:

Horizontal or Vertical

Compatible Mounting Clamp:

Included

Compatible Element:

Primary: AR6154

Accessories Included:

See literature on Product Support tab

Item Information

Racor AFCS Combination Pre-Cleaner/Air Filter Series – About:

Heavy duty equipment requires heavy duty engine air intake filtration. Racor’s AFCS air filters with integral pre-cleaners are designed and built to meet the requirements for hard working gasoline and diesel powered engines. They are suitable for high dust environments with excessive vibration and extreme temperatures. Racor AFCS air filters are the economical choice for your heavy duty applications. Replacing the existing air filter with a Racor combination system requires just a few additional inches in length and is normally maintenance free. The pre-cleaner is self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of the separated particles.

Racor AFCS Combination Pre-Cleaner/Air Filter Series - How They Work:

Air enters the pre-cleaner portion through static vanes causing the air to spin. As the air spins, centrifugal force separates dust, dirt, insects, rain, and snow from the air stream. The swirling air drives a high velocity rotor that acts as a blower, evacuating contaminants through special discharge ports in the side of the assembly. Only purified air flows to the air filter stage. Applications include agricultural machinery, earth moving equipment, construction, mining equipment, stationary engines, generator sets, big rig trucks, pick-ups, off road vehicles, material handling equipment, snow removal equipment, street sweepers, and any engine from 30 to 260 HP (22 to 194 KW).

Racor AFCS Combination Pre-Cleaner/Air Filter Series - Additional Features and Benefits:

- Flow Range: 53 to 1517 cfm (1.5 to 43 m3/min) (Depending on product selected)
- Engine Power Range: 30 to 260 HP (22 to 194 KW) (Depending on product selected)
- Pre-cleaner static vanes remove up to 90% of large contaminants
- Horizontal mounting with adjustable mounting band
- Safety element is standard on most models
- Powder coated steel housing and bracket

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CAD Drawings + Files

No CAD files available



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