

# Cartridge Engine Air Filters – Racor ECO, AF, and EA Series | #AFCS081

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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:**

159 to 212 cfm (4.5 to 6.0 m<sup>3</sup>/m)

**Maximum Flow Rate:**

400 cfm (12 m<sup>3</sup>/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:**

2.8 in/7.1 cm

**Output Power:**

70 to 80 HP (52 to 60 KW) HP

**Inlet Connection Size:**

No Connection

**Length:**

20.5 in/52.1 cm

**Outside Diameter:**

8 in/20.3 cm

**Mounting Position:**

Horizontal or Vertical

**Compatible Mounting Clamp:**

Included

**Compatible Element:**

Primary: AR6122

**Accessories Included:**

See literature on Product Support tab

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## 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 m<sup>3</sup>/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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