

Dynamic Engine Air Precleaners – Racor AFAP, AFHP, AFUP, EACP, Spinaire Series | #123583770

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Spinaire Dynamic Engine Air Pre-Cleaners clean the intake air before it reaches the filter.

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Technical Specifications

Series:

Spinaire

Maximum Flow Rate:

1190 cfm / 33.7 m³/m

Outlet Connection:

7.0 in / 17.8 cm

Product Series:

Dynamic Engine Air Pre-Cleaners, Spinaire

Brand:

Racor

For Fluid Type:

Engine Air

Weight:

11.0 lb / 6.0 kg, 11 lb, 6 kg

Maximum Flow Rate:

1190 CFM, 33.7 m³/min

Height:

7.3 in / 18.5 cm, 7.3 inch, 18.5 cm

Outlet Connection Size:

7 inch, 17.8 cm

Outside Diameter:

14.1 in / 35.8 cm

Application:

On/Off-Highway

Diameter:

14.1 inch, 35.8 cm

Materials of Construction:

Coated Steel & Aluminum

Item Information

Racor Spinaire Series Dynamic Engine Air Pre-Cleaners

Racor Spinaire Engine Air Pre-Cleaners are designed to be mounted on or connected to the air intake of an air filter housing on gasoline or diesel engines.

Equipment operated in dusty environments requires more periodic maintenance and they experience more down time. The filter in the air cleaner requires more frequent replacement as the level of airborne dust increases. A plugged filter reduces power, fuel economy, and engine component life. Racor dynamic air pre-cleaners dramatically increase the life of the air filter (up to 12 times), reduce overall intake system restriction, increase equipment productivity, reduce downtime, and save money.

How they work:

Air enters the pre-cleaner system through a screen that removes large debris. Air then flows through static vanes causing the air to spin. As the air spins, centrifugal force separates up to 90% of the 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 at the bottom or in the side of the unit. Only purified air flows to the air filters.

Consult factory or literature for final determination of part numbers, applications, required air flows and accessories.

Spinaire: On or off-highway air pre-cleaners are for agriculture, earth moving, construction, and mining equipment; as well as pumping plants, generator sets, snow removal equipment and street sweepers. Material is coated steel. Part number 123583990 is polished aluminum and coated steel. Air flow 300 to 1850 cfm (1.5 to 28 m³/min) depending on product selected.

Benefits of Spinaire Dynamic Engine Air Pre-Cleaners:

- Easy to install
- Spinaire Pre-Cleaners remove up to 80% of air contamination before air enters the filter
- Reduces down-time, prolongs engine, air filter, and turbocharger life
- Saves on fuel costs
- High air flow, low pressure differential design
- Self Cleaning, low maintenance
- Sealed bearings

Applications Include:

- Earth moving, construction, and mining equipment
- Pumping plants
- Stationary engines and generator sets
- Agricultural equipment
- Snow removal equipment
- Street sweepers

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CAD Drawings + Files

No CAD files available



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