

Fleetguard®



Performance Data Sheet

AF27993NF

NanoForce® Radial Seal Air Filter for SSG Housings

Description

Fleetguard® NanoForce® air filters deliver the cleanest combustion air for large construction and mining engines and equipment. The new AF27993NF continues the application of this filter media for premium levels of protection. The nanofibre media applies the enhanced filter media pleating and pleat stabilization to deliver superior engine protection and long filter service life.

Features

- Nanofibre filter media provides the highest possible engine protection efficiency without compromising filter life
- Pleat geometry, spacing and stabilization yields maximum filter performance and long life for lower equipment operating costs
- Proven radial air filter seal ensures reliable fit in the SSG air housing and easy service events
- Complete Fleetguard system solution including the AF27994 secondary filter and the SP1307 housing service cover

2X longer service life achieved versus conventional air filter

3X the engine protection versus conventional filters



AF27993NF Specifications

Capacity	6,478 g (with nominal 0-5 micron dust) 11,777 g (with ISO fine test dust)
Rated Air Flow	2,058 ft ³ /min (58.3 m ³ /min)
Efficiency	99.99% (with 0-5 micron dust per ISO 5011)
Seal Type	Radial on open end (fits SSG radial seal air housings)
Outside Diameter	17.7" (449.0 mm)
Inside Diameter	11.5" (293.0 mm)
Overall Height	24.5" (621.1 mm)
Secondary Air Filter (if required)	AF27994

Applications

- Off-Highway Mining and Construction
- Many major OEMs, including Caterpillar®, Komatsu®, Terex®, and others

Installation and Use Tips

- Use of the AF27993NF filter requires the use of the SP1307 air housing service cover and the AF27994 secondary air filter.
- Fleetguard® air filters must be used as sets. The OE air filters and air housing cover are not compatible with the Fleetguard filters and cover.
- Use an air filter restriction measuring device to determine when to change the used air filter.
- Do not disturb the air filter until an air filter restriction measurement indicates that the filter should be serviced, typically at 25" H₂O restriction (6.23 kPa or 0.063 bar).
- Use caution when lifting used air filters. The dust capacity (~7,000 g (~15.4 lb)) for a plugged filter plus the filter weight can make the filter heavy to handle.
- Ensure that no dust or debris is allowed to enter the clean side of the filter housing.
- Do not disturb the secondary filter element unless it needs to be changed. The secondary air filter should be changed approximately every third primary element change.
- Follow OE recommendations for properly cleaning and servicing air housing pre-cleaners.

