Dual Catalyst (DPF+DOC)

Powering a Cleaner Future

Ghaddar Dual Catalyst System combines a Diesel Oxidation Catalyst (DOC) and a Diesel Particulate Filter (DPF) in one rugged, compact housing. Designed for maximum emission reduction, it delivers industry-leading performance in Carbon Monoxide (CO), Hydro Carbons (HC), and particulate matter removal for diesel generator applications.

Flue Gas	Performance
Particulate Matter Reduction	90–95 %
Carbon Monoxide (CO) Reduction	97 %
Hydrocarbons (HC) Reduction	85 %
Black Smoke	Reduced
Engine Noise	Reduced

Pictures for Filters and fittings could vary from actual product.

Key Features:

- The Dual Catalyst (DOC+DPF) is designed for diesel generator emission control, ensuring compliance with international standards.
- Reduces harmful emissions and noise, improving environmental and operational performance.
- Easy integration with most diesel generator systems without affecting engine performance.
- Modular design allows easy dismantling for inspection and maintenance.
- Built to last under harsh environmental and operational conditions.

Product Range:

Model	Genset Rating Power (KVA)	Description
DOC+DPF30-80	30-80	Dual Catalyst: Diesel Oxidation Catalyst and Diesel Particulate Filter in one rugged steel structure
DOC+DPF100-150	100-150	
DOC+DPF300	300	

Form and Structure

Encapsulation:
Rugged stainless-steel housing protects the ceramic substrate.

Maintenance:
Dismantlable design allows quick substrate service or replacement.

Longevity:
Corrosion-resistant and vibration-proof.

Technical Specifications

Product Model	DPF Series
Compatibility	Generators from 30 KVA to 2000 KVA
Core Material	Cordierite Ceramic Honeycomb Substrate (200–300 CPS)
Body Material	T409L Stainless Steel (Corrosion & Acid/Alkali Resistant)
Function	Reduces CO, HC, NOx Emissions (>90 % Conversion Efficiency)/ Engine Noise
Design	Compact, modular, easy to service

Maintenance Considerations

- Inspect the catalys regularly, as improper regeneration can lead to clogging over time.
- Monitor the catalyst performance promptly, since they can reduce engine performance and increase fuel consumption.
- Perform periodic DPF flushing and DOC maintenance to maintain system efficiency.
- Inspect the catalyst every 2 years under normal operating conditions to ensure proper performance.

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