

MOTOR GENERATOR FILTERS

22

In this Section

Motor Generator Filters 22.2-3



Questions? Answers at...

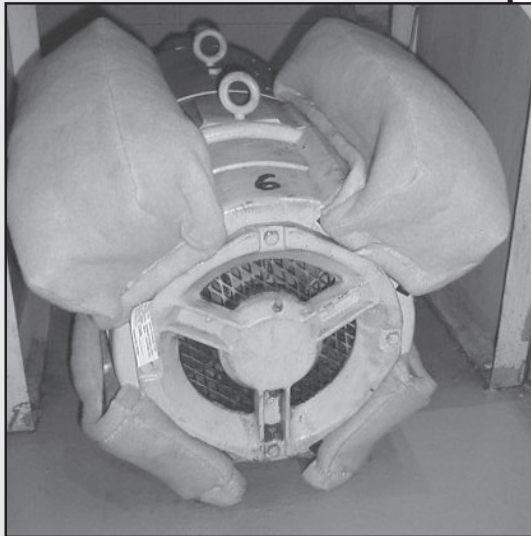
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22.1



NEW CLEAN INSTALLATION (IMPERIAL 366)



AFTER 6 WEEKS, WITH NORMAL BRUSH WEAR

Motor Generator Filters

"A simple, cost-effective solution to a complicated problem"

Eliminate expensive carbon dust cleanup

These filters eliminate the need for carbon dust cleanup, and help to promote customer satisfaction.

Cut down on call backs

Many of the callbacks for circuit board failure and leveling problems are due to shorts or fouling by carbon dust.

No heat build-up

All Sanders Filters have been designed to operate with zero temperature increase, even fully loaded.

Self extinguishing

These filters have passed a #302 automotive test for flammability.

Complete system

Sanders, Inc. offers 105 different filters systems designed specifically for each motor generator frame size and configuration, in conjunction with the two largest elevator manufacturers. These systems are specified as OEM parts and are currently in use in their service contracts. These Carbon Dust Filtration Systems have had thousands of successful installations over the last 10 years.

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Motor Generator Filters



Problem:

As brushes wear, MG sets exhaust residual carbon from the process. The original designs of the MG sets did not account for this exhausting and made no provision for it. MG sets from all the major manufacturers have a fixed armature speed and fan curve designed to cool the MG set, without any restriction of the airflow.

Carbon dust is made up of very small particles that can permeate circuit boards, shorting them out, foul 440 contacts, causing call backs due to leveling problems in elevators, and migrate through HVAC systems to adjacent areas of the building on the same system. In order to source-capture the carbon before it contaminates the adjacent area, a filter is required that traps the particles but does not restrict the cooling air, thereby overheating the MG set.

Solution:

The Sanders Carbon Dust Filtration System uses an extended surface cube that allows air to pass through without restriction, as if the filter wasn't even there. All filters have been individually designed, tested and thermo-scanned during normal use to insure a zero temperature increase, fully loaded with carbon dust.*

The complete system includes a custom designed set of filters and a bag for blowing out the carbon dust from the MG set before installing the filters.

*Follow manufacturer's recommended change schedule, average 3 months.

Design:

All Sanders motor generator filters are heat-sealed, creating a plastic stay that assures the filters will hold their shape, allowing for proper airflow without overheating the MG set. All are tagged to record installation date and the recommended change schedule. Sanders has identified 137 different motor generator frames, and is continually adding new sets. **If you do not see the MG set you need listed, please contact CED.**

Product Listing by Frame Number

Dover

Part Number	Filter(s)
D2500AC	1 cube
D2500DC	1 cube
D3500AC	1 cube
D3500DC	1 cube
D750	4 cubes
D36504	1 cube

General Electric

Part Number	Filter(s)
95	4 cubes, 1 panel

Imperial

Part Number	Filter(s)
I280T	2 cubes, 2 panels
I284A	2 cubes, 2 panels
I286A	2 cubes, 2 panels
I320T	2 cubes, 2 panels
I324T	2 cubes, 2 panels
I326	2 cubes, 2 panels
I360T	2 cubes, 2 panels
I365	2 cubes
I366	2 cubes, 2 panels
I367T	2 cubes
I368	2 cubes, 2 panels
I407A	2 cubes
I409A	2 cubes
ID37YT	2 cubes

Leroy Summers

Part Number	Filter(s)
LS46	wrist band
LS64	wrist band
LS280	wrist band
LS375	wrist band
LS500	wrist band
LS50 rev	1 end cube
LS57 rev	1 end cube

Otis

Part Number	Filter(s)
O71	1 cube
O82	1 cube
O95	1 crescent cube
O115	1 cube

Westinghouse

Part Number	Filter(s)
W44	4 cubes
W44BH	4 cubes
W45	4 cubes
W46	1 wrist band
W63A	4 cubes
W63AH	4 cubes
W63AY	4 cubes
W63.9	4 cubes
W63-9A	4 cubes
W66-9A	4 cubes
W64	1 wrist band
W64AY	4 cubes
W113-7.5	4 cubes
W113-10.5	4 cubes
W123	4 cubes
W143	4 cubes
W153	4 cubes
W286A	4 cubes, 1 panel
W405	4 cubes
W444	4 cubes, 1 panel
W444L	4 cubes, 1 panel
W444A	4 cubes, 1 panel
W587	4 cubes, 1 panel
W685A	4 cubes, 1 panel
W2810A	4 cubes, 1 panel
W360-9	1 wrist band
W3609L	1 wrist band
W3609.5	4 cubes, 1 panel
W3609A	4 cubes, 1 panel
W5010A	4 cubes, 1 panel
W5012A	4 cubes, 1 panel
W5014A	4 cubes, 1 panel

Westinghouse Exciters

Part Number	Filter(s)
W256E	4 cubes, 1 panel
W444E	4 cubes, 1 panel
W3609E	4 cubes, 1 panel

All Styles

Part Number	Filter(s)
Small Bag	B15
Medium Bag	B18
Large Bag	B40
Velcro	V 25'

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Notes

Lined area for taking notes.



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