



GE VERNOVA

MV3000 – CONVERTER REPLACEMENT FAN

Extend lifetime of the cooling system and reliability of your drive

POWER CUBICLE COOLING FAN

Power Conversion, a GE Vernova's business, is constantly looking for new product features that benefit our customers to improve reliability and availability of their assets.

The MV3000 fan panel assembly provides essential forced air flow cooling in the drive cubicle.

To keep the power cubicle of Wind turbine generator converters within the optimal temperature we use an assembly of three fans operating together which provide air flow while the drive is in operation. If one of these fans shuts down, the risk of downtime due to overheating is a threat to the turbine's operation, reflecting directly on repair expenses.

HELP MINIMIZE RISK OF FAILURES AND IMPROVE EQUIPMENT LIFETIME

Power Conversion have developed a new enhanced cooling fan with hybrid bearing system which protects from external influences, avoiding bearing currents.



Replace your MV3000 converter fans with our fit recommend upgrades to make sure normal drive form function enhanced fan against risk of overheating and increases the lifetime of your MV3000 converter cooling system.

BENEFITS OF FAN REPLACEMENT

- **Low risk Replacement:** The fan is a fit form and function replacement
- **Extended lifetime:** Hybrid bearings offer greater protection from external influences.
- **Reduced heat build up:** Designed to minimize circulating current
- **Helps converter to keep running:** Reduces unplanned downtime due to single fan failures

Power Conversion part number for the new enhanced fan is PC000468953, this replaces fan 98101/167 (MPN), PCRKX0013753 (Spares number).



Fan Isolation Kit upgrade (Above reference picture) is also available to improve lifetime of your cooling system. Refer to Factsheet GEA34227.

CONTACT US

services.powerconversion@ge.com



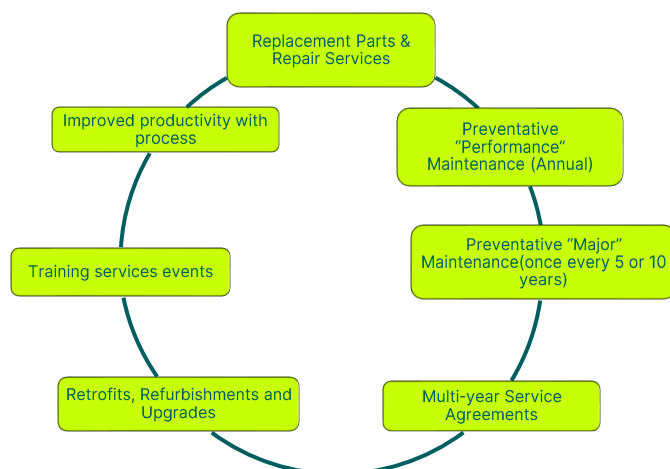
GE VERNOVA

MV3000 – CONVERTER REPLACEMENT FAN

Extend lifetime of the cooling system and reliability of your drive

POWER CONVERSION SERVICES

Power Conversion offer a comprehensive range of services including:



Type 27B Converter

Type 28 Converter



FIELD SERVICES ENGINEERING

All upgrade and maintenance site work is performed by Power Conversion certified field service engineers. As part of their normal service work the engineers will:



Perform and record work according to a prescribed schedule followed by testing to ensure normal drive operation



Identify any safety critical issues – safety critical problems will be brought to the customers' attention immediately and a resolution proposed. Power Conversion will provide prioritised despatch of parts needed to resolve such issue and if necessary the Field Service Engineer will remain on site or return to site to supervise the solution.



Identify operational critical issues – reduction in performance or critical items affecting reliability will be brought to the customers' attention and recorded in a report.



Audit and record the customers spares for the drive



Provide a list of critical spares the customer should consider holding



Suggest details of obsolete parts that the customer may wish to plan to replace.



Propose upgrade packages appropriate to the customers equipment and circumstances

For more information of our service: Spare parts & Repairs, please refer to [this document](#).