

## DC to AC VFD–Mini Inverter for Auxiliary Motors

750VDC Nominal Input

Variable Voltage/Speed Output



Typical Light Rail Blower installations

### Highlights of the VFD-Mini System

- Operates AC induction motors from DC line voltage
- Input Operating range of 450VDC to 900VDC
- Reverse polarity protection
- IP-67 rated
- In case of power loss, Auto Restart with automatic Motor Speed Search for uninterrupted operation
- Electronic motor thermal overload protection
- Suitable for Blowers, Compressors, Evaporators and Air Handlers
- Over 200 delivered units in operation

### VFD-Mini Electrical Specifications

Description	Specification
<b>Power</b>	
Input Voltage	750VDC nominal 450VDC to 900VDC Contact factory for other ranges
Output Current	15A RMS Continuous (w/2.5m/s airflow) 9A RMS Continuous without airflow
Output Frequency	0 - 125Hz
<b>Control I/O</b>	
Reverse Polarity	Software and hardware detection
Power Loss	Auto restart with automatic motor speed search to continue operation.
Load Short Circuit	Current Control Overload Trip IGBT Over Current Protection
Thermal Protection	Heat Sink Over-temperature Alarm at 75°C Shutdown at 80°C
Motor Overload	Electronic Time trip
Overcurrent Protection	Programmable

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