

60HP Blower Inverter

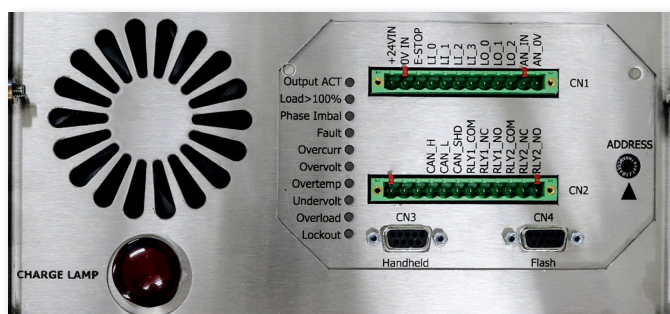
AC/AC Inverter or DC/AC Inverter

Features

- CANbus Communications
- Multiple Control Modes
- Air-cooled
- Easy to read LED panel

This inverter is a variable frequency drive (VFD) that controls AC motor speed and torque by varying motor input voltage and frequency. It can be used for different applications driving 3 phase AC motors rated up to 60HP such as air compressors, blowers, and other AC motors at variable output frequency.

Top panel with fan exhaust, indicator lights and I/O connections.



Applications

- Light Rail
- Locomotives
- Monorail

Description	AC/AC 220V AC System	DC/AC 220V AC System
Part Number	A300479-A	A300906
Input Voltage	55 -265V AC	120 - 500V DC
Input Frequency	30 to 120 Hz	DC
Input Choke	0.22mH (150A)	Not Fitted
Input Capacitance	4 x 1100µF (600V DC)	4 x 1100µF (600V DC)
Continuous Output Power	45kW (60.3 HP)	45kW (60.3 HP)
Output Voltage	0...Input Voltage	0...0.7V in
Output Frequency	2...120 Hz	2...120 Hz
Output Current Continuous	150A	150A
Control Power	18...30V DC	18...30V DC
Logic Control Voltage	18...30V DC	18...30V DC
Heatsink Losses at Rated Output	1030W	650W
Heat Rejected to Ambient Air at Rated Output	120W	70W
Ambient Operating Temperature Range	-40°C to +50°C	-40°C to +50°C
Recommended Airflow	175CFM (800LFM) 44Pa	44CFM(200LFM) 7.5Pa
Storage Temperature	-40°C to +75°C	-40°C to +75°C
Relative Humidity	<90% No Condensation	<90% No Condensation
Communication	CAN	CAN

Power connections for the AC/AC inverter



Dimensions	
Height	301 mm (11.9")
Width	321 mm (12.6")
Depth	693 mm (27.3")
Weight	51 kg (112 lbs)

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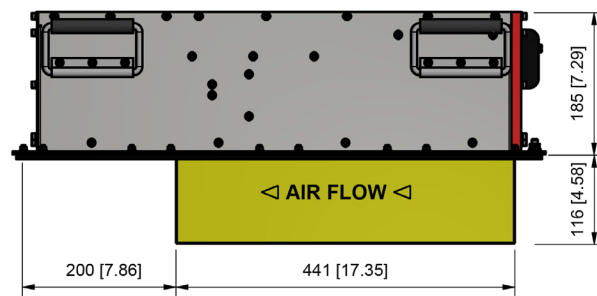
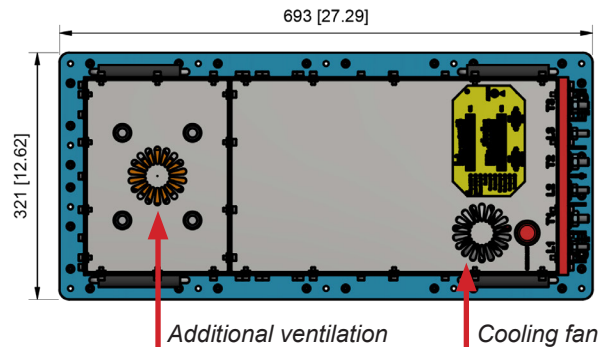
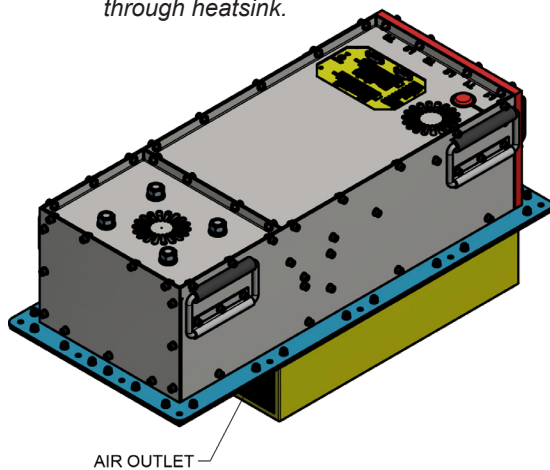
ATS Part # Various

Cooling Configuration

The enclosure is constructed with heatsink fins located on the bottom for improved heat dissipation. Internal cooling provided by cooling fan and ventilation hole located on the top of the unit.

Dimensions:

Illustration of air flow direction through heatsink.



Typical installation diagram (AC/AC version):

