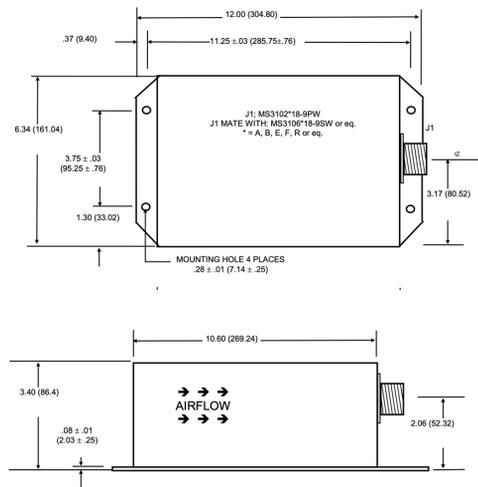


OVERVIEW

- The HS and HB series are lightweight, AC frequency power converters. These models utilize the latest state of the art solid state circuitry to convert a 115/200 VAC, 3 phase, 400 Hz input to either a 115 VAC, 60 Hz or 230 VAC, 50 Hz sine wave output.
- Design features include a crystal controlled oscillator for output frequency stability and a pulse-width-modulated square to sine wave power conversion scheme for efficient & reliable operation.
- The model HS and HB Series frequency changers are designed to power laptop computers, audio/video entertainment systems, portable electronics (stereo, MP3, CD, DVD, video games, etc.), microwave ovens, coffee makers and medical equipment in mobile, marine and ground transport applications.



HS200 HB200

APPLICATIONS

CS25 | CS29

- Galley Appliances
- Medical Equipment (EMS)
- Office Equipment
- Lavatories

FAA TSO - C73



Electronic specifications, operating temperature -40 to 85°C

Specifications	
Input Voltage:	115/200 VAC ± 10 VAC, 3 phase
Input Frequency:	400 Hz ±100 Hz
Output Wave Form:	Sine
Output Phase:	Single
Output Voltage	115 V ^{RMS} (HS120) 230 V ^{RMS} (HB120)
Output Frequency	50 Hz (HB120) 60 Hz (HS120)
Harmonic Distortion:	0.5% (nominal)
Power Factor:	+.8 to -.8
Efficiency:	87%(nominal)
Response Time:	300 uSec (no load to full load)
Regulation:	1% Line, 1% Load, 2.5% Temp.
Overload Capacity:	110% of the rated output power for a period of 2 hours; 150% of the rated output current for a period of 5 minutes (minimum). When the operating temp. >55°C, the overload setting is internally limited to 135% ± 10% of the rated output power.
Protection Circuits:	<ul style="list-style-type: none"> *The converter will shutdown under the following conditions:Input voltage > 135 VAC ± 5 VAC *Input voltage < 95 VAC ± 5 VAC *Internal, high ambient temperature. *Short circuit condition.
Remote ON-OFF:	Yes
Operating Temperature:	-55°C to 71°C (-65°F to +160°F)
Altitude:	55,000 Ft.
Environmental:	DO-160C env. cat. F3ZBB[LV]XXXXXXBXAXXXBXXX
Cooling:	Thermostatically controlled, brushless fan.
Size	6.34 W x 12.00 L x 3.40 H inches

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