

## BL 5000C-X-4254-IC AC Source Specifications

### INPUT:

Multi Pulse Input Transformer for Low Input Current THD in the following configurations:  
380Vac, 3 phase or 460Vac, 3 phase (jumper selectable), 47 – 63 Hz.

### OUTPUT:

Voltage/Current: Single phase: 0-135Vac @ 40A  
Three phase: 0-135Vac, L-N @ 12.5A  
Frequency: 45 - 500 Hz.  
Current Crest Factor: 3:1 Typical  
Distortion: 1.5% Typical THD @ 60Hz.  
Load Regulation:  $\pm 0.7\%$  No Load to Full Load  
Line Regulation:  $\pm 0.1\%$  for  $\pm 10\%$  Line Change  
Power Factor: 100% of rated output into any power factor load.  
Efficiency: Minimum 70% from 40% load to full load.



*Frequency Converter for USAF hydraulic test system*

### PROTECTIVE CIRCUITS:

Input Protection: Main circuit breaker. (Located on front panel.)  
Constant Current Mode: Overload automatically causes voltage fold back to provide maximum current without distorting output waveform. (C/C Displayed)  
Short Circuit Protection: Short Circuit electronically latches output open to protect load. Power restored by cycling circuit breaker. Fault LED Illuminated.  
Thermal Protection: Internal temperature sensor prevents heat damage. (O/T Displayed)

### MECHANICAL SPECIFICATIONS:

Integrated Chassis: 19" rack mount chassis 10.50"H x 22"D. 175 lbs.  
Operating Temperature: 0 - 55 ° C.  
Humidity: 0 - 95% RH non-condensing.  
Input & Output Connections: Separate Barrier strips. (1 for AC Input and 1 for AC Output.)  
Paint & Logo (Front Panel): Polyamide Enamel, Semi-Gloss, Pantone Cool Gray 2C, Textured; Logo per HiiLogo.jpg

### PAC 2000 CONTROLLER

w/ Large 2 Line VF Display & RS232 Interface

### SYSTEM OUTPUT MANAGEMENT:

	Resolution	Accuracy:
VOLTAGE:	0.1 V	0.25% of full-scale
CURRENT LIMIT:	0.1 A	0.25% of full-scale
FREQUENCY:	0.1 Hz	0.005 Hz

### MEASUREMENT & DISPLAY CAPABILITY:

	Resolution	Accuracy
VOLTAGE RMS	0.1 V	0.25% of full-scale
CURRENT RMS	0.1 A	0.3% of full-scale
FREQUENCY	0.1 Hz	0.001 Hz

#### Headquarters

80 Cabot Court Hauppauge, NY 11788  
(631)435-0410 (800)874-6727 Fax(631)951-4341

e-mail: sales@behlman.com  
Web-site: www.behlman.com

#### West Coast Office

4532 Telephone Road Suite 103 Ventura, CA 93003  
(805)642-0660 (800)456-2006 Fax(805)642-0790