Behlman’s BL5000-CE-5758A Frequency Converter is a ruggedized, 19” rack mount system.

**INPUT:**
120 VAC or 230 VAC, +/- 10%, 1-Phase, 47-63 Hz,

**OUTPUT:**
- Power: 5,000 VA  
- Voltage: 0 - 700 VAC, L-N, 3-Phase, with locking pot  
- Frequency: 30 - 120 Hz, with locking pot  
- Current: 2.4 Amps/Phase  
- Current Crest Factor: 3:1  
- Power Factor: 100% of rated output into any power factor load.  
- Distortion: 3% Typical THD  
- Load Regulation: +/- 1.0% No Load to Full Load  
- Line Regulation: +/- 0.1% for +/- 10% Line Change  
- Efficiency: 80% typical.

**PROTECTIVE CIRCUITS:**
- Input Protection: Electronic circuit breaker, with indicator  
- Constant Current: Overload automatically causes voltage fold back to provide maximum current without distorting output waveform.  
- Short Circuit Protection: Short Circuit electronically latches output open to protect load. Power restored by recycling circuit breaker.  
- Thermal Protection: Internal temperature sensor prevents heat damage.

**CONTROL/INDICATORS:**
- Meters: Three (3) DMM: True RMS Volts; True RMS Amps; Frequency  
- Voltage adjust: Ten-turn potentiometer to adjust voltage  
- Frequency adjust: Ten-turn potentiometer to adjust frequency  
- Phase select: Three-position switch for Phase A, B or C  
- Line Drop: Front panel adjustment of output to compensate for voltage drop over long distance.  
- Output: On/Off toggle switch  
- Indicators: Power On, Constant Current, Over Temp, Overload Latch  
- Remote Control: Ethernet interface

**MECHANICAL SPECIFICATIONS:**
  - Control:* 7.00"H x 22"D; wt. 50 lbs.  
  - Output:* 7.00"H x 22"D; wt. 190 lbs  
  - Input:* 8.75"H x 22"D; wt. 150 lbs  
- Operating Temp: 0 to + 55°C.  
- Humidity: 0-95% RH non-condensing.  
- Connections: Circular MIL connectors for Input, Output and Interconnect  
- Grounding: Ground Stud on each chassis.  
- Interconnect Cables:  
  - DC to DC- Input to Control Chassis. P/N 630-049-000  
  - AC to AC- Control Chassis to Output Chassis P/N 630-050-000  
  - Control- Control Chassis to Output Chassis. P/N 630-051-000

**OPTION 5758A:**
(Includes the Following)  
- C-X: Dual input voltage; 120 or 230VAC  
- MT: Motor Test option  
- ET/IR: Ethernet interface  
- T5-X: 0-700VAC, L-N, 3-phase output  
- R: Ruggedized  
- CE: CE Mark  
- L: Locking Pots  
- Circular MIL connectors Input, Output & Interconnect cables  
- Handles on rear of Input, Output & Control chassis
INPUT, OUTPUT & INTERCONNECT CABLES:
Input AC: P/N 630-073-000
Output AC: P/N 630-074-000
AC to XSCS: P/N 630-072-000

ADDITIONAL OPTIONS:
XCSC-A: Surface Control Chassis; 5.25”H x 17”D; wt. 25 lbs.
Y-Cable: Customer P/N 100395050D Rev AC
(2) Ethernet: P/N 110-713-001
BNC: Supplied with Function generator
XSCX AC In: Supplied with Function generator
Transit cases: (1) 3U size. Customer P/N 100547217
(2) 4U size. Customer P/N 100547221
(1) 5U size. Customer P/N 100547223