

GB Electronics (UK) Ltd

LF3-400-GBE Frequency Converter - datasheet



115/200V 400Hz Three Phase output, at up to 3kVA

A transformer ensures full isolation between the output voltage and the incoming supply and the output neutral (star point) may be earthed externally if required. The unit is fully protected against over current and over temperature conditions. Input power and output cable supplied. This unit is normally supplied as a free standing bench top unit; but the LF3-400-GBE can also be built in a rack mount configuration if required at no extra cost. A support shelf or bracket would be required when the rack mounting option is specified: these are not supplied with the unit, as their dimensions will depend on the arrangement of the cabinet or rack.

Input Requirement

230V-240V RMS AC single phase, 45 – 66Hz, up to 16A for maximum 1kW (8.7A) per phase output.
If operating on 230V RMS +/- 10% (207-253V) then limit output load to 0.8kW (7A) per phase. Capable of short in-rush load up to 10A

Output Capability

AC 115V RMS +/-3%, 400Hz +/- 1Hz at up to 1kVA/ph (8.7A/ph) max (230-240V input) Over current trip at >1200VA on any phase
Short circuit and over temperature protection
Load Power Factor 0.5 lag to 0.5 lead at full load
With linear load, line regulation +/- 1%, load regulation +/- 1%
THD better than 5% and full load efficiency >80%

Controls, Indications & Connections

Input On/Off and indicator, Output On/Off Switch
Output voltage Indicators and digital output Amp Indicators.
Over current and over temperature indicators.
Heavy-duty industrial rectangular input and output connectors.

Operating Environment

0 to +40 degrees celcius
90% relative humidity (non condensing)

Size & Weight

449mm wide x 562mm deep x 177mm high
(4u in 19 Inch rack) 36kg

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