

# LF3-400 Frequency Converter

230V Mains to 115/200V 400Hz

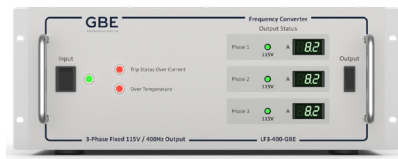
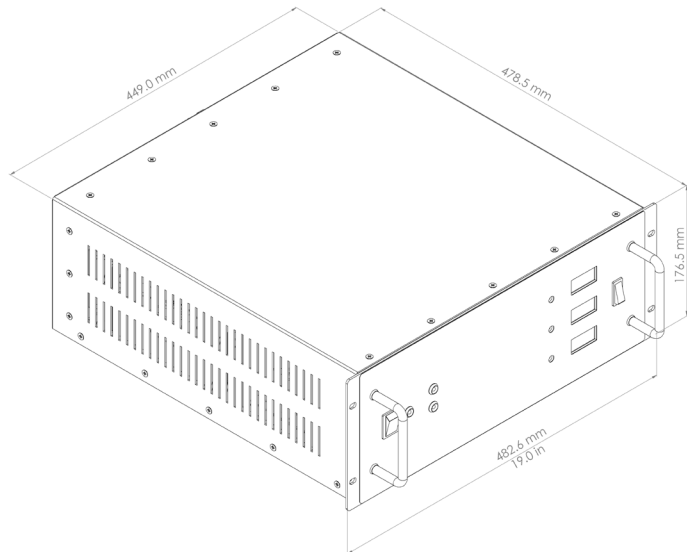
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## Three Phase output, at up to 3kVA

- Full isolation between the output voltage and the incoming supply.
- Output neutral (star point) may be earthed externally if required.
- Protected against over current and over temperature conditions.
- Input power and output cable supplied.
- Options for free standing bench top unit or rack mount.
- A support shelf or bracket is required if rack mounting option is specified.



## 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 >1.2kVA 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 output connector and IEC C20 input connector.

## Operating Environment

0°C to +40°C.  
Up to 90% relative humidity (non condensing).  
LF3-400 is intended to be operated within the normal environmental conditions for indoor use as is defined by EN 61010-1:2010+A1:2019.

## Size & Weight

449mm wide x 478.5mm deep x 176.5mm high.  
(4u in 19 Inch rack) 36kg.