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MODEL AL-1000-FC-XXX FREQUENCY CONVERTER

The model AL-1000-FC-XXX frequency converter is an AC power source designed with linear circuits. Customers can specify their input and output frequencies and voltages. The output frequency is fixed. Customers can specify the frequency in the range of 45 Hz - 20K Hz. The output frequency will be shown as part of the model number, for example, AL-1000-FC-400 indicates that the output frequency is 400 Hz.

Specifications of model AL-1000-FC-XXX Frequency Converter (Power Source)

Output:

Output Power: 1000 watts

Output Volts: 0-130 V rms. or 0-260 V rms. adjustable

(unless otherwise specified)

Output Frequency: Customer Specified (Fixed frequency in

the range of 45 Hz - 20K Hz)

Output Waveform: Sine wave

Output Regulation: 1% Load Regulation, .1% Line Regulation

Output Distortion: 0.5% T.H.D. or better

Hum and Noise: -65 dB below full output or better

Output Volt Meter: Front panel analog meter

Output Amplitude Control: 10-turn lockable pot on front panel Output ON/OFF Control: Back panel closed/open contact to

enable/disable output signal

Short Circuit Protection: Input line circuit breaker

Internal output fuse

Thermal Protection: Auto-reset thermostat prevents heat

damage

Power Factor Range: +0.7 to -0.7 for full power; to zero @

reduced power

Input Power:

Input voltage and frequency will be specified by customers.

Power Efficiency: 45% max.

Other Specifications:

Dimensions: 7.0"H X 19"W X 23"D

Weight: 115 lbs approx.

Cooling Method: Internal fans (Intake-front; Output-rear)
Output Connection: Amphenol MS3102A Connector (mating

connector provided)

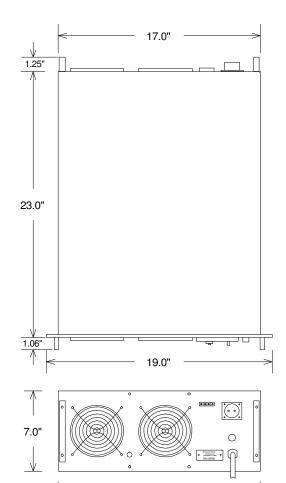
Operating Temp Range: 20 to 140 deg F Storage Temp Range: -40 to 170 deg F

Purchase Option(s):

1. Purchase Option 101: 0-10 V DC Remote Control Option (Add "-C0/10" at the end of the model number.)

Applications:

The output frequency of our frequency converters can be specified in the frequency range of 45 Hz to 20K Hz. Thus, besides being used for export testing, operating equipment manufactured in a foreign country and avionic applications, our frequency converters can be widely used in manufacturing industries and research laboratories where higher frequencies are needed for special testing.



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