

Features

- * Universal Input Range 90~264VAC
- * Medical and ITE Approved
- * Efficiency to 90%
- * Continuous Short Circuit Protection
- * Meets EN55011 and EN55022 Class B
- * Meets 2MOPP
- * No load Power Consumption<0.5W
- * 2"x 4" Size





MODEL	OUTPUT VOLTAGE	OUTPUT CURRETN	RIPPLE & NOISE NOTE 2	VOLTAGE ACCURACY NOTE 1	VOLTAGE ADJ. Range	LINE REGULATION NOTE3	LOAD REGULATION NOTE4	% EFF (Typ.) NOTE5
CFM60M050	5 V	8 A	1%	±1%	4.75~5.25	±0.5%	±1%	82%
CFM60M120	12 V	5 A	1%	±1%	11.4~12.6	±0.5%	±1%	87%
CFM60M150	15 V	4 A	1%	±1%	14.25~15.75	±0.5%	±1%	88%
CFM60M240	24 V	2.5 A	1%	±1%	22.8~25.2	±0.5%	±1%	89%
CFM60M480	48 V	1.25 A	1%	±1%	45.6~50.4	±0.5%	±1%	90%

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current Co	ld Start@25℃ 75A max. @240Vac
Input Current	100Vac/1.6A max., 240Vac/0.8Amax.
Leakage Current	100uA max.

OUTPUT SPECIFICATIONS:

Hold-up Time	16ms typ. @115Vac
Short Circuit Protection	. Hiccup Mode (Auto Recover)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05%/°C

GENERAL SPECIFICATIONS:

Isolation Input	ut to output = 4000VAC (5,656VDC)
Operating Temperature	20 ~ 70°C (see Derating Curve)
Storage Temperature	20~85°C
Humidity	93% RH max. Non-Condensing
Cooling	Natural Convection
Switching Frequency	65KHz Typical
MTBF MIL-HDBK-217F, GE	3, 25°C/115VAC 200Khrs min.
Altitude	3000m
Dimensions 4.000x2.000x	1.100inches (101.6x50.8x27.94mm)
Weight	125g

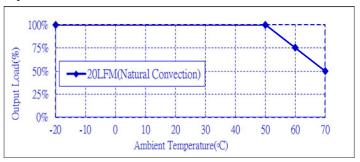
SAFETY AND EMC:

NOTE:

- 2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
- 3. Line regulation is measured from 100Vac to 240Vac with full load.
- 4. Load regulation is measured from 10% to 100% full load.
- 5. Typical Efficiency at 230 VAC and Full Load at 25°C
- Standard input and output connectors (CN1 and CN2) wafer with TAIWAN KING PIN TERMINAL PVHI series and mate with JST housing VHR series and JST SVH-21/41T-P1.1 series crimp terminal or Equivalent.
- Optional Input and output connectors (CN1 and CN2) wafer with LONG CHU P3060 series and mate with MOLEX housing 5195 series and MOLEX 5194 series crimp terminal or equivalent.
- 8. Cincon do not apply CFM60M-CA (covered version) for safety approvals, only apply CFM60M (open-frame version) for safety approvals.

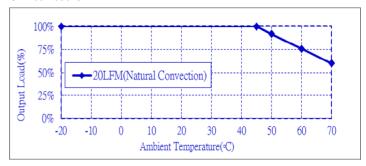
CFM60M Series Derating Curve

Open Frame versions:

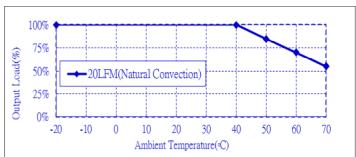


Covered versions:

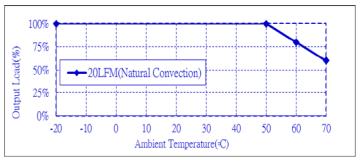
CFM60M050-CA



CFM60M120-CA

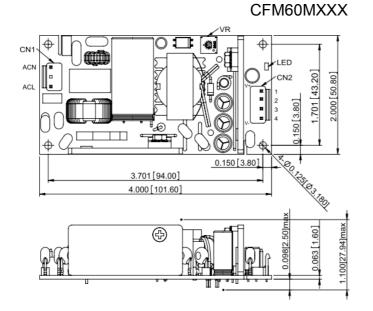


CFM60M150-CA, 60M240-CA, 60M480-CA



CFM60M Series

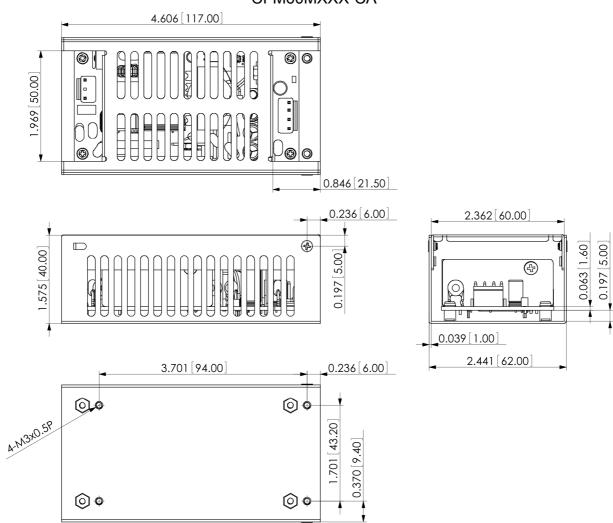
All Dimensions in Inches[mm]
Tolerance Inches:x.xxx±0.02
Millimeters:x.xx±0.5



Input Connector CN1₽		
Pin 1₽	Line₽	
Pin 2₽	Not Fitted∂	
Pin 3₽	Neutral∂	

Ouput Connector CN2		
Pin 1₽	+ Vout₽	
Pin 2₽	+ Vout₽	
Pin 3₽	- Vout₀	
Pin 4₽	- Vout₽	

CFM60MXXX-CA



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