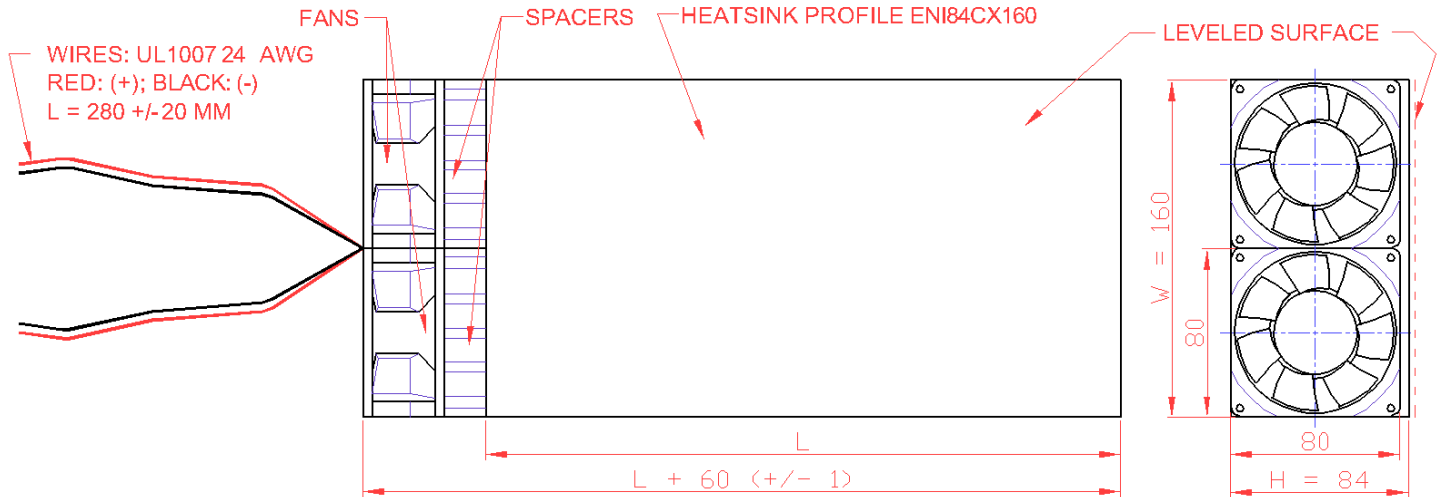


## FORCED AIR-COOLING HEATSINK MODULES ENI84CX160-XXX/FYY

### GENERAL CHARACTERISTICS

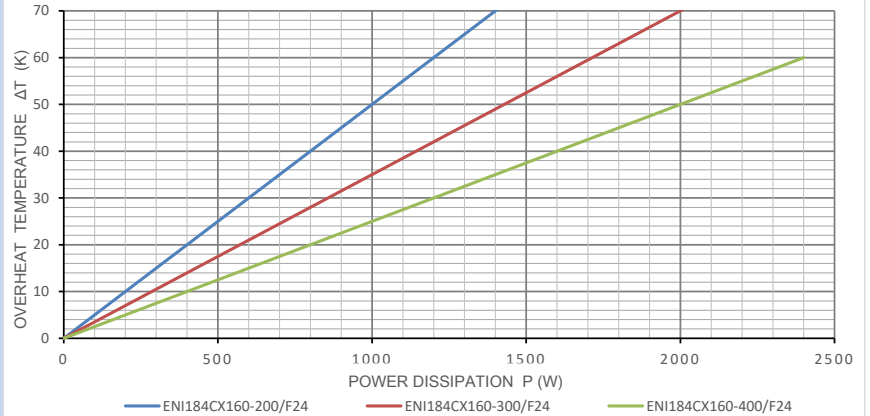


Forced Air-Cooling Heatsink Modules are high efficiency cooling products designed for power electronics applications. These devices provide optimum cooling for various power dissipation and can be assembly with high-efficiency DC fans with power supply voltage 24VDC (standard models) and with 12VDC and 48VDC (optional models).

#### Features:

- \* Constructed of extruded aluminum alloy EN AW-6060 or 6063 for optimum heat transfer
- \* The components assembly surfaces are milled as following data:
  - Flatness 0,02mm/150mm
  - Maximum Roughness = Ra 1,2 Microns
- \* DC fans for improved heat dissipation
- \* Designed special for power applications

**FORCED AIR-COOLING HEATSINKS THERMAL CHARACTERISTIC**  
@ OUTGOING AIR-FLOW RATE 7.0 M/S



Forced Air-Cooling Heatsink Modules Details	ENI84CX160-200/F24		ENI84CX160-300/F24		ENI84CX160-400/F24	
Total Length, mm	260		360		460	
Total Width, mm	160		160		160	
Total Height, mm	84		84		84	
Mounted Surface Dimensions, L x W, mm	200 x 160		300 x 160		400 x 160	
Thermal Resistance, Rt, K/W	0,062 @ 5,0 m/c	0,050 @ 7,0 m/c	0,052 @ 3,0 m/s	0,035 @ 7,0 m/s	0,030 @ 5,0 m/s	0,025 @ 7,0 m/s
Outgoing Air-flow Rate, V, m/s	≥ 7.0*		≥ 7.0*		≥ 7.0*	
<b>Fans Specification</b>						
Rated voltage, VDC**	24,0		24,0		24,0	
Operating Voltage Range, VDC	10...27,6		10...27,6		10...27,6	
Bearing System	Precision ball bearing system		Precision ball bearing system		Precision ball bearing system	
Noise Level (all fans together), dB (A)	58,2 dB		58,2 dB		58,2 dB	
Speed, RPM	5700		5700		5700	
Power, W	2 x 9,6 = 19,2		2 x 9,6 = 19,2		2 x 9,6 = 19,2	
Dielectric Strength, VAC	500VAC for 1 min or 600VAC for 2 sec between housing and wire (+)		500VAC for 1 min or 600VAC for 2 sec between housing and wire (+)		500VAC for 1 min or 600VAC for 2 sec between housing and wire (+)	
Ambient Temperature (working), °C	-10...+70		-10...+70		-10...+70	
Ambient Temperature (storage), °C	-40...+70		-40...+70		-40...+70	
<b>Harness Specification***</b>						
Lead Wires	UL1007, 24 AWG		UL1007, 24 AWG		UL1007, 24 AWG	
Length	280mm (+/-20)		280mm (+/-20)		280mm (+/-20)	
Ground	Black Wire		Black Wire		Black Wire	
+24 VDC	Red Wire		Red Wire		Red Wire	

#### Notes:

- \* - Actual outgoing air-flow rate depends on fan characteristics, power supply voltage, access for air to fans inlets etc
- \*\* - Another power supply voltages (12 VDC and 48 VDC) possible on request
- \*\*\* - Tachometer output possible on request

#### Contacts: