



Approval Specification for Cofan Part # 11-1009 Rev 01

40W TEC Assembly, 24V, 160x120x130mm

Revision Date: Nov 28, 2007

Cofan USA, 46177 Warm Springs Blvd Fremont, CA 94539 www.cofan-usa.com (800) 766-6097

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REVISION HISTORY					
REV	DESCRIPTION	DRWN	CHK'D	APPVD	DATE
-	-	-	-	-	-

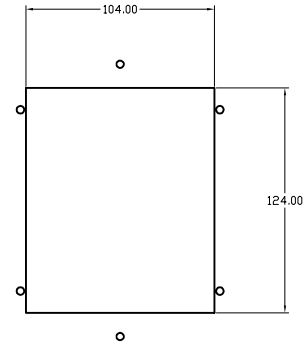
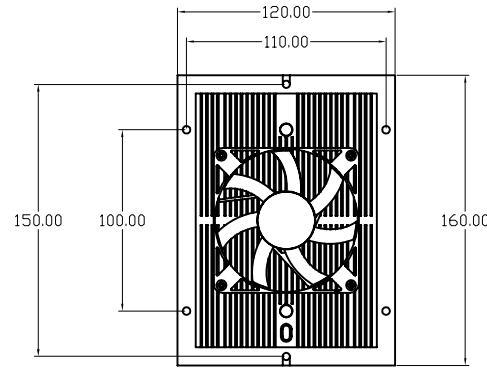
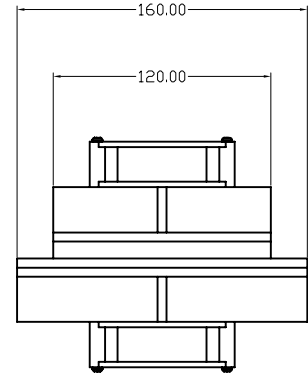
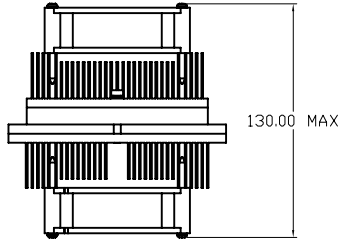
COOLER SPECIFICATIONS:
 VOLTAGE: 24 VDC, 27.5 VDC MAX
 CURRENT DRAW: 2.55A @ 24 VDC, NORMAL OPERATING CONDITIONS
 3.15A @ 24 VDC, STARTUP
 TEC COOLING POWER: 2x 20W @ 12V, 2.35A
 INPUT POWER: 61.2W
 MAX TEMP HOT SIDE: 65°C
 WEIGHT: 1.3 Kg
 OPERATING TEMPERATURE: 0°C TO 55°C
 *ABOVE PARAMETERS ARE ±10%

FANS
 COLD SIDE FAN: F-8025H24BI, 3000 RPM, 0.15A
 HOT SIDE FAN: F-8025H24BI, 3000 RPM, 0.15A

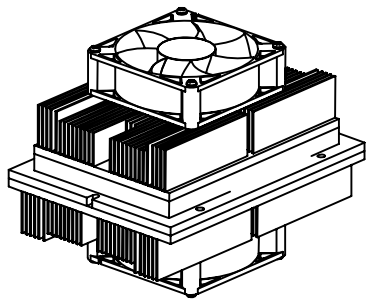
HEATSINK MATERIAL: AL6063
HEATSINK FINISH: BLACK ANODIZE


WIRE CONFIGURATION: FANS WIRED IN PARALLEL AND LEFT UNTERMINATED.
 CUSTOM WIRE CONFIGURATIONS AVAILABLE

CUSTOM HEATSINKS AVAILABLE
 FOR MORE INFORMATION CONTACT: INFO@COFAN-USA.COM



CUT OUT FOR MOUNTING

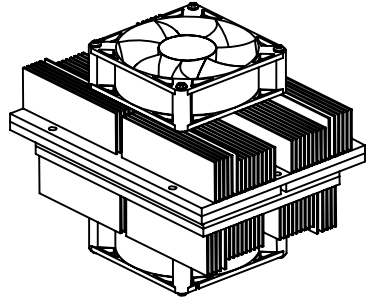
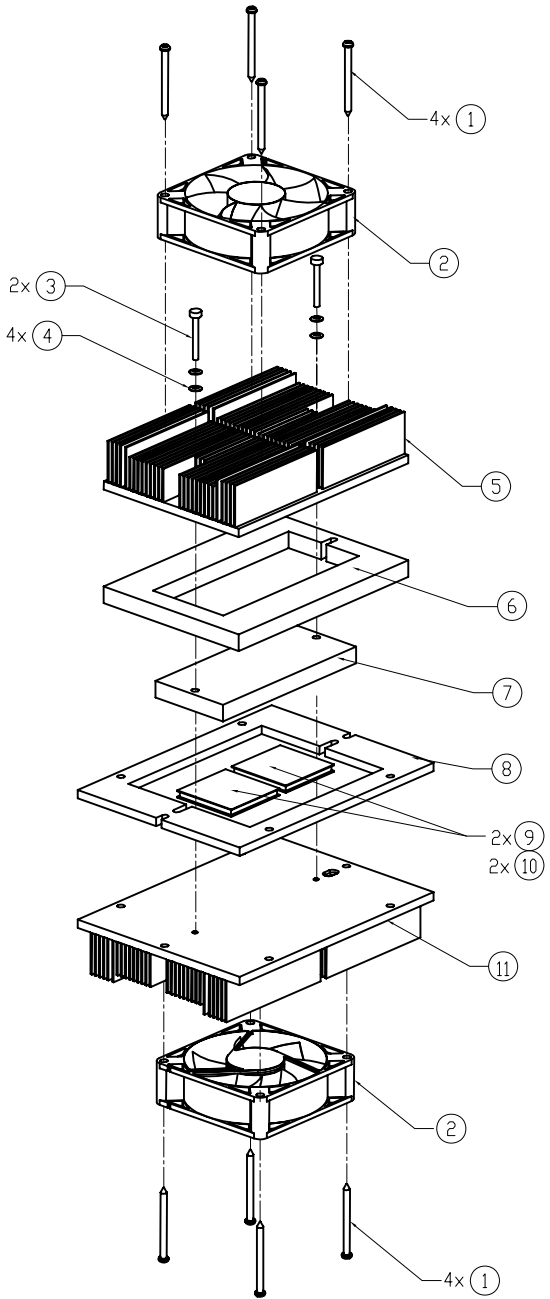


DO NOT SCALE DRAWING		NAME:	DATE:	CUSTOMER DRAWING NUMBER:	 46177 VARN SPRING BLVD FREMONT CA 94539		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRE TOLERANCES ARE:		DRAWN BY:	Mark.S	11/28/07	NAME: Air to Air Cooler, 40V, 24V, 315A MAX		
1 PLACE .X	± 0.25	CHECKED BY:			CUSTOMER PART NUMBER: [----]		
2 PLACE .XX	± 0.13	CHECKED BY:			CUSTOMER DRAWING NUMBER:	SCALE:	CUS REV:
3 PLACE .XXX	± 0.08	APPR BY:			11-1009	NONE	-
ANGLES EXCEPT 90°	± 0.5°				CUSTOMER PART NUMBER:	SHEET:	DATE DRAWN:
MAXIMUM SURFACE ROUGHNESS	6.3				11-1009	1 OF 2	11/28/07

RoHS
 COMPLIANT
 2002/95/EC

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-	-	-	-	-	-



ITEM	DESCRIPTION	PART NUMBER	MATERIAL/FINISH	QTY
①	M3.5x42 FAN SCREW, PHIL	60-1210 REV 01	STEEL / BLACK ZINC	8
②	80x25mm 24V DC FAN	F-8025H24BI	-	2
③	M3 MOUNTING SCREW	60-1211 REV 01	SS304 / DEGREASE	2
④	BELLEVILLE WASHER	50-1104 REV 01	SS / DEGREASE	4
⑤	COLD SIDE HEATSINK	20-1748 REV 01	AL6063 / BLACK ANODIZE	1
⑥	BLACK GASKET 02, PSA	50-1327 REV 01	SB AGP 200 OR EQUIV	1
⑦	SPACER BLOCK	20-1749 REV 01	AL6063 / BLACK ANODIZE	1
⑧	RED GASKET 01, PSA	50-1326 REV 01	SB R10480 OR EQUIV	1
⑨	TEC, 12V, 15.4V MAX, 27W @ 3A MAX, 30x30x3.8	10-1024 REV 01	-	2
⑩	THERMAL GREASE, STARS 801	70-1101 REV 01	-	1
⑪	HOT SIDE HEATSINK	20-1747 REV 01	AL6063 / BLACK ANODIZE	1

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3 PLACE .XXX	± 0.08	CHECKED BY:			COFAN DRAWING NUMBER:
ANGLES EXCEPT 90°	± 0.5°	APPR BY:			11-1009
MAXIMUM SURFACE ROUGHNESS	6.3				COFAN PART NUMBER:
					11-1009
					SHEET:
					2 OF 2
					DATE DRAWN:
					11/28/07

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