



Approval Specification for Cofan Part # 11-1019 Rev 01

120W TEC Assembly, 24V, 300x160x130mm

Revision Date: Jan 14, 2008

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

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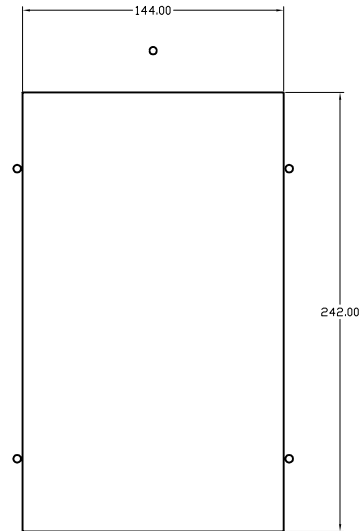
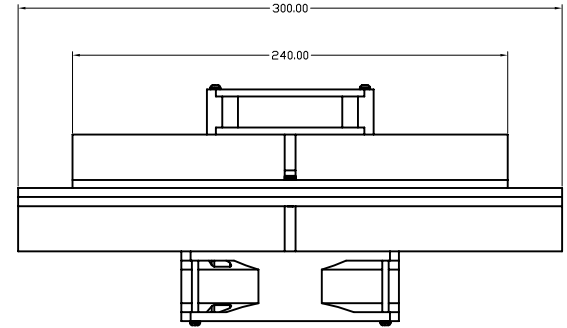
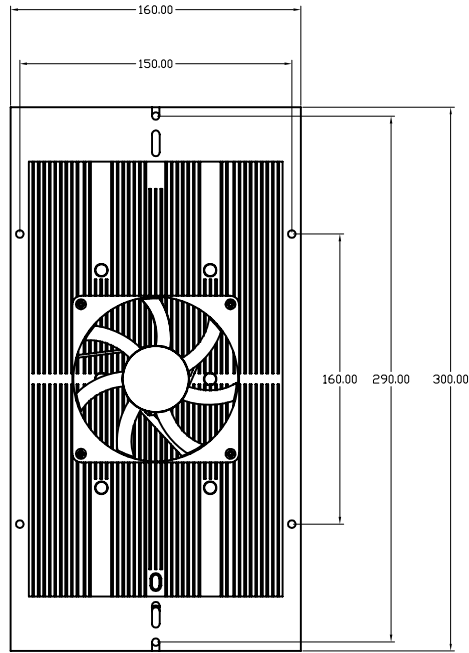
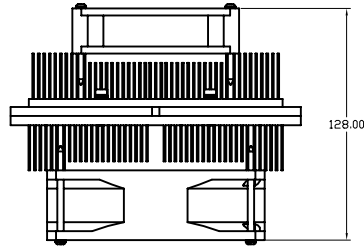
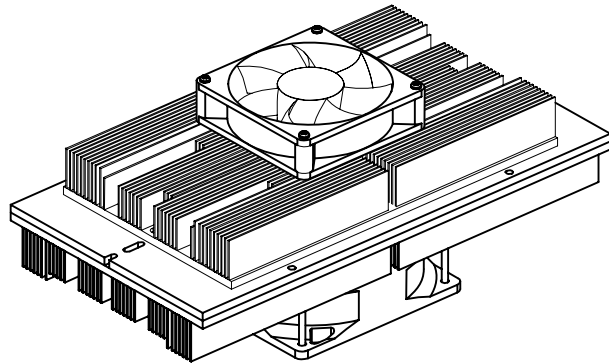
**COOLER SPECIFICATIONS:**  
 VOLTAGE: 24 VDC, 30 VDC MAX  
 CURRENT DRAW: 13.5A @ 24 VDC, NORMAL OPERATING CONDITIONS  
 15.5A @ 24 VDC, STARTUP  
 TEC COOLING POWER: 4x 30W @ 12V, 3.12A  
 INPUT POWER: 150W  
 MAX TEMP HOT SIDE: 65°C  
 WEIGHT: 2.5 Kg  
 OPERATING TEMPERATURE: 0°C TO 55°C  
 \*ABOVE PARAMETERS ARE ±10%

**FANS**  
 COLD SIDE FAN: F-9225H24BI, 2800 RPM, 0.18A  
 HOT SIDE FAN: F-1238H24BI, 2800 RPM, 0.50A

**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](mailto:INFO@COFAN-USA.COM)



CUT OUT FOR MOUNTING

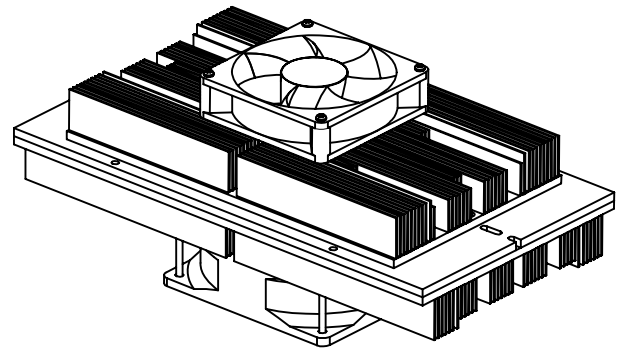
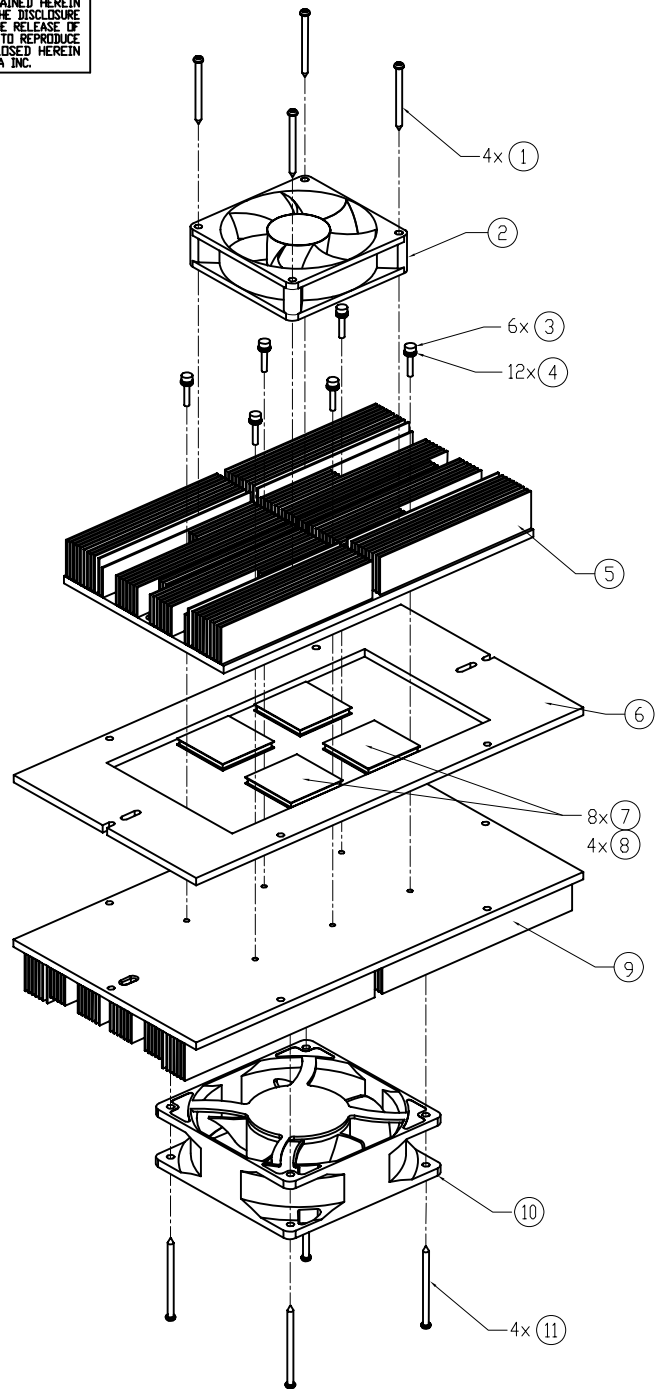
REVISION HISTORY					
REV	DESCRIPTION	DRWN	CHK'D	APPVD	DATE
-	-	-	-	-	-

<b>DO NOT SCALE DRAWING</b>		NAME:	DATE:	CUSTOMER DRAWING NUMBER:	<b>COFAN USA</b> <small>46177 VARN SPRING BLVD FREMONT CA 94539</small>		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRE TOLERANCES ARE:		DRAWN BY:	Mark.S	1/14/08	CUSTOMER PART NUMBER:	NAME:	
1 PLACE .X	± 0.25	CHECKED BY:			[----]	Air to Air Cooler, 120W, 24V, XXA MAX	
2 PLACE .XX	± 0.13	CHECKED BY:			[----]	SCALE:	CUS REV:
3 PLACE .XXX	± 0.08	CHECKED BY:			COFAN DRAWING NUMBER:	NONE	-
ANGLES EXCEPT 90°	± 0.5°	APPR BY:			11-1019	COF REV:	01
MAXIMUM SURFACE ROUGHNESS	6.3				COFAN PART NUMBER:	SHEET:	DATE DRAWN:
					11-1019	1 OF 2	1/14/08

RoHS  
 COMPLIANT  
 2002/95/EC

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



ITEM	DESCRIPTION	PART NUMBER	MATERIAL/FINISH	QTY
①	M3.5x42 FAN SCREW, PHIL	60-1210 REV 01	STEEL / BLACK ZINC	4
②	92x25mm 24V DC FAN	F-9225H24BI	-	1
③	M3 MOUNTING SCREW	60-1082 REV 01	SS304 / DEGREASE	6
④	BELLEVILLE WASHER	50-1104 REV 01	SS / DEGREASE	12
⑤	COLD SIDE HEATSINK	20-1784 REV 01	AL6063 / BLACK ANODIZE	1
⑥	RED GASKET 01, PSA	50-1345 REV 01	SB R10480 DR EQUIV	1
⑦	THERMAL GREASE, STARS 801	70-1101 REV 01	AL6063 / BLACK ANODIZE	8
⑧	TEC, 12V, 15.4V MAX, 42W @ 4A MAX, 40x40x4.4mm	10-1006 REV 01	-	4
⑨	HOT SIDE HEATSINK	20-1785 REV 01	AL6063 / BLACK ANODIZE	1
⑩	120x38mm 24V DC FAN	F-1238H24B	-	1
⑪	M3.5x52 FAN SCREW, PHIL	60-1221 REV 01	STEEL / BLACK ZINC	4

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1 PLACE .X	± 0.25	CHECKED BY:			COFAN DRAWING NUMBER:	SCALE:	CUS REV:	COF REV:
2 PLACE .XX	± 0.13	CHECKED BY:			11-1018	NONE	-	01
3 PLACE .XXX	± 0.08	APPR BY:			COFAN PART NUMBER:	SHEET:	DATE DRAWN:	
ANGLES EXCEPT 90°	± 0.5°				11-1018	2 OF 2	1/14/08	
MAXIMUM SURFACE ROUGHNESS	6.3							

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