

Design Data Sheet for Panel AC



Werner Finley Pvt Ltd

A-105, 3rd Main Road, 2nd Stage, Peenya Industrial Area - Bangalore 560058

Contact No: +91 99450 45678, +91 99450 38000, Email: info@wernerfinley.com, Website: www.wernerfinley.com

PAC Capacity: 600kcal/hr

PAC Model : VMA4IPC1X0000D21000

Enquiry No :

Date:

Sl.no	Item	Description
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Application		
1	Application	
2	Application Details	Panel cooling
3	Heat Load	700W
4	Required Air Temperature to Panel	L35/L35
5	Any Impurities in Media	NA
6	Rated Operating Ambient Temp.	35° C
7	Maximum Operating Ambient temp.	50° C
8	Minimum Operating Ambient temp.	10° C
9	Indoor / Outdoor Installation	Indoor
10	Air Flow Direction, Top / Side	Top throw
11	Ambient Air Quality	normal

PAC specification		
1	Cooling Capacity	700W / 0.2 TR / 600 kcal/hr
2	No. of Compressor Circuits	1
3	Refrigerant	R134a
4	Outlet Cooling Air Temperature	L35/L35
5	Type of Compressor	reciprocating
6	Type of Controller	Microprocessor
7	Type of Condenser / MOC	Copper tubes with Aluminium Fins
8	Type of Expansion Device	Capillary
9	Type of Evaporator / MOC	Copper tubes with Aluminium Fins
10	MOC of PAC Frame	CRCA
11	Type of Surface Coating	Powder coated
12	Color	RAL 7035
13	Type of Mounting	Side
14	Power Supply	1 PH, 230 V, 50 Hz
15	Power Consumption	0.26 kW
16	Current	2.0 A
17	Dimensions of PAC	300mm W X 260mm D X 550mm H
18	Weight of PAC	25 Kg
19	Noise	>75 dBA

Additional specifictaions		

Note		
1	PAC performance rating ambient temperature	35 deg C
2	Temperature Stability	+/-2degc
3	PAC performance rating media temperature	L35/L35
4	PAC performance tolerance	+/- 5 % for full load and + / - 12% for part load

Scope of Supply

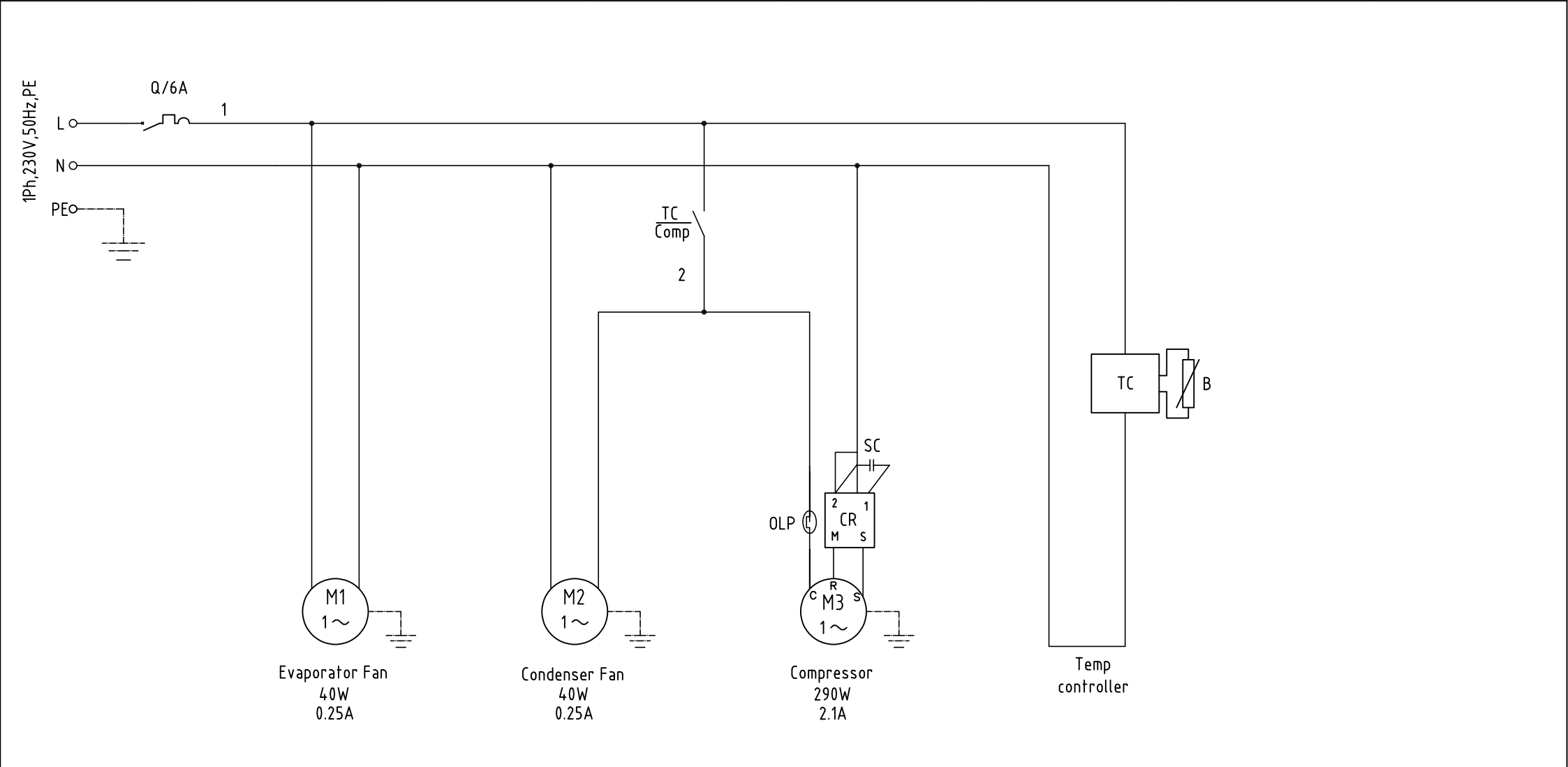


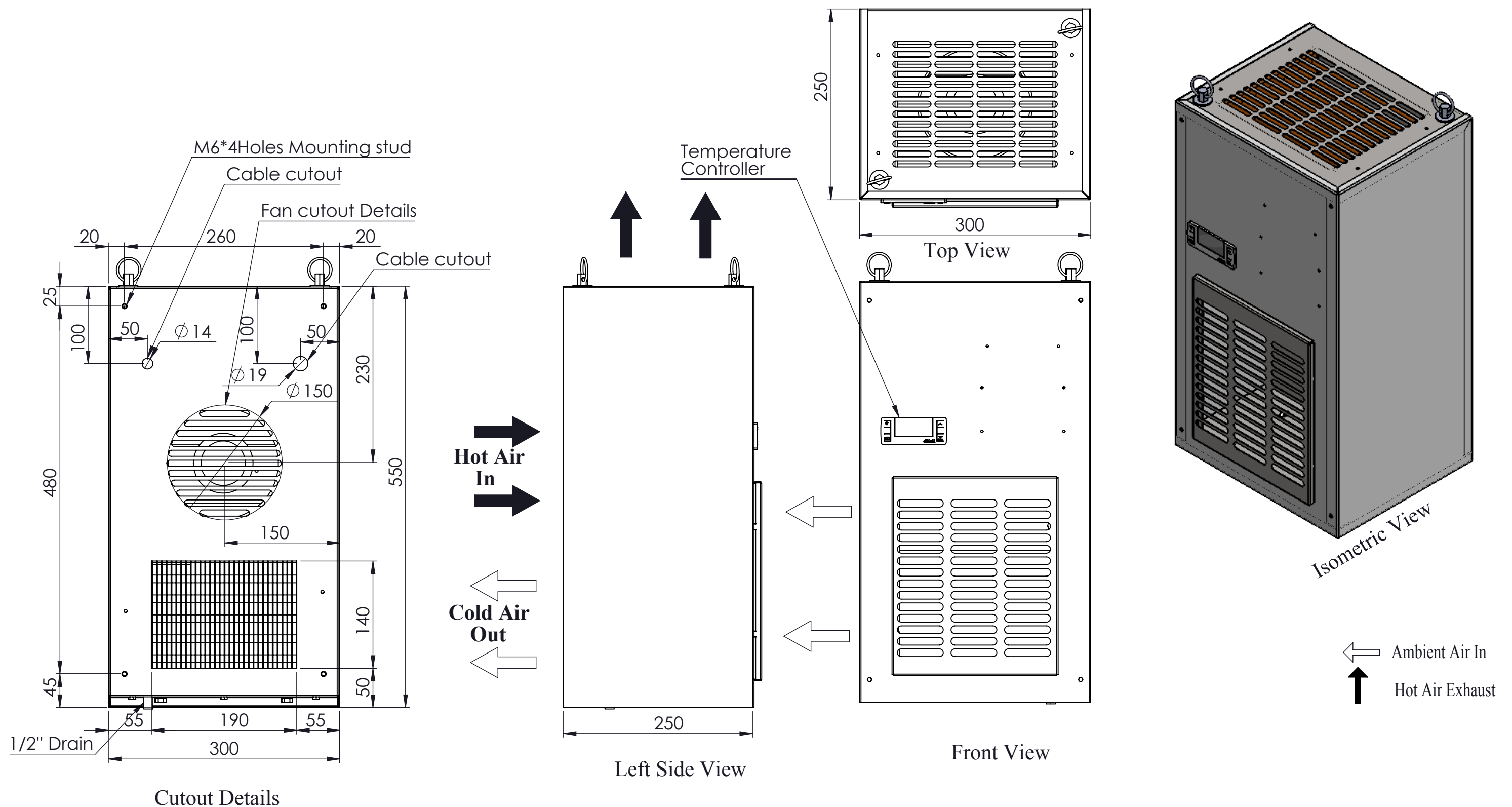
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Enquiry No :		Date:	
Sl.no	Item	Description	
Refrigeration*			
1	Compressor	Type	Reciprocating
		Sealing	Reciprocating
		Refrigerant	R134a
		Unloading percentage	0% / 100%
		Motor insulation type	F class insulation
2	Condenser	Type	Air cooled
		Tubes	Copper internally grooved
		Fins	Aluminium, sine wave
3	Exhaust fan	Type	Axial flow
		MOC	CRCA powder coated wings
		Insulation class for motor	F
		Electrical protection	IP 44
4	Evaporator	Type	Air cooled
		MOC	Copper internally grooved
		Fins	Aluminium, sine wave
5	Expansion Device	Type	Capillary
6	Refrigeration Line Components		Standard components like filter drier, Capillary, etc
7	Additional components		
Electrical***			
1	Controller	Type	Microprocessor
		Display	LED
		Accuracy	+/- 1 deg C, with 1 NTC probes
		Electrical protection	IP 41
2	Switch Gears	MCB complying to IEC standards	
3	Accessories	Other electrical accessories include grommets, Cables, wires, Cable glands, terminal blocks, MCB channel, lugs etc.	
4	Cabinet	NA	
Enclosure			
1	MOC	CRCA	
2	Surface Coating	7 tank degreasing process, Powder coating	
3	Color	RAL 7035	
Safety Interlocks			
1	HT< trip	High and Low temperature alarm trips feed back	
2	Additional interlocks		
Note:			
* All Refrigeration Components are from the reputed sources like Danfoss, Emerson, Tecumseh or equivalent Brands.			
* Werner Finley reserves rights for selection of component brands .			
Installation material requirement			
1			
2			
3			
4			
5			
6			





NOTE: 1) Maintain min 1.5 mts clearance all around the PAC.
2) Provision for canopy on top of the unit when placed outdoor is recommended .

MATERIAL :				DE BUR AND BREAK SHARP EDGES, CORNERS			All Dimensions are in mm												
WEIGHT :		Kg	THK :		DO NOT SCALE DRAWING														
SIGNED BY	NAME		SIGN		DATE		CUSTOMER :		IVAC000D2P1X			CAPACITY :		600kcal/hr					
DESIGNED BY	Chithra																		
CHECKED BY																			
APPROVED BY																			
Un mentioned tolerances for linear dimensions						For Angular dimensions			Title :Std. 600kcal Vertical PAC GA Drawing										
1 TO 30		31 TO 100		101 TO 300		301 TO 1000		< 1000									Fractions		
± 0.2		± 0.3		± 0.5		± 0.8		± 1							± 1.5° - 2°		± 1/16		
32-125 /  Finishes in micro meters						&									 should be 50				
This drawings is property of Werner Finley Pvt Ltd. and must not be copied or duplicated nor shown to or placed at the disposal of third person without our written consent.																			
Werner Finley Pvt. Ltd. B'lore						SCALE - 1:1		DRAWING No. :		WF-GA-IVAC000D2P1X-V1-R0				A3					
						SHEET : 1 OF 1		Over All Dimension :		550H*300W*250D				REV					