

Customer : -	Designer : AAR
Project : PACKAGE AIR CONDITIONER	Location : EYGPT
Ref/Tag # : PACU-1	

INPUT
Modular Packaged

Required Total Capacity	Required Sensible capacity	Ambient Temperature	Supply Airflow **	Ent Dry Bulb Temperature	Ent Wet Bulb Temperature	External Static Pressure *	Altitude	Power Supply
[kW]	[kW]	[°C]	[m³/hr]	[°C]	[°C]	[Pascal]	[m]	[V-Ph-Hz]
58	---	45.0	6000	28.0	20.5	120	0	380/415-3-50

OUTPUT
Selected Unit Model : PAX022

Performance Data	Unit	Value
Total Cooling Capacity	[kW]	60.59
Sensible Cooling	[kW]	44.91
Total Power Input	[kW]	24.17

Psychrometric Data	Unit	Entering	Leaving
Dry Bulb	[°C]	28.0	15.3
Wet Bulb	[°C]	20.5	14.72
Relative Humidity	[%]	51.5	94.2
Humidity Ratio	[Kg/Kg]	0.01201	0.00463
Enthalpy	[KJ/Kg]	58.73	41.31
Specific Volume	[m³/Kg]	0.9	0.8

Compressor Data	
Type	HERMETIC SCROLL
Quantity	2

Electrical Data	Unit	Evaporator	Condenser
Power Supply	[V-Ph-Hz]	380/415-3-50(4 <small>Wire</small>)	380/415-3-50(4 <small>Wire</small>)
Compressor RLA (Each)	[Amps]	---	24.4 / ---
Compressor LRA (Each)	[Amps]	---	173 / ---
Fan Motor (Each)	[Kw]	5.5	1.66
Fan Motor Speed	[RPM]	1,450	950
Fan Motor FLA (Each)	[Amps]	11.7	2.5
Unit MCA	[Amps]	71.6	
Unit MOCP	[Amps]	90	

Physical Data	Unit	Evaporator	Condenser
Fan Data			
Size	[mm]	450	710
Quantity	[No.]	1	2
Airflow	[m³/hr]	10880	25687
Fan Speed	[RPM]	973	950

Coil Data			
Coil Face Area	[m²]	1.96	2.76
Coil Tube Diameter	[Inch]	3/8	3/8
Rows	[No.]	3	3
Fins Per Inch	[FPI]	14	14

Drain Connection			
Size	[Inch]	---	---

Weight/ Dimensions			
Dimensions	Please Refer Drawings		
Weight	[Kgs]	See	See

Filter Data		
Air Filter Size	[Inch]	20 x 20
Air Filter Quantity	[No.]	8

Refrigerant			
Type	R-134a		
Charge Per Comp.	[Oz]	---	8.31

Electric Heater		
Capacity (kW)	---	
Full Load Ampere	---	

Component	15" BAG FILTER-2" PLEATED FILTER is selected on medium condition		
ESP	472.50	EH	--

Note : ---
Forward Fan is Selected

