



## Technical Specification Product Engineering

Model <b>AE4440Y-FZ1A</b>	BM <b>AE-8000-BR</b>	Nominal Voltage (V)		Refrigerant <b>R134a</b>	Cooling Fan
		60 Hz -----	50 Hz <b>220-240</b>		
<b>Basic Data</b>					
<p>Operating Voltage Range(V) : 60 Hz: ----- 50 Hz: 198 - 253            Application : High Back Pressure (HBP)            Evaporating Temperature Range : -15°C to +15°C (+5°F to +59°F)            Motor Type : CSIR            Starting Torque Class : High Start Torque (HST)            Expansion Device : Capillary Tube or Expansion Valve            Commercial Designation : 1/3 HP            Oil Type : Polyol Ester Viscosity : 32 cSt@40°C            Oil Charge : 280 ml            Displacement : 10.33 cc/rev            Net Weight : 9.6 Kg            Approval : VDE/CE/CCC/GOST</p>					
<b>Expected Performance</b>					
<p>Test Condition : <b>ASHRAE</b>            Test Voltage : 220V/50Hz            Cooling Capacity (+/-5%) ( BTU/h ) : 3650              ( Kcal/h ) : 920              ( W ) : 1070            Rated Watts(+/-5%)( W ) : 447            Rated Current(+/-5%)( A ) : 2.75            Efficiency-EER(-9.04%/+10.5%)( BTU/Wh ) : 8.17              ( Kcal/Wh ) : 2.06              ( W/W ) : 2.39</p>					
<p>LRA (Max.) (A) :13.5            Winding Resistance at 25°C (+/-7%)(ohm):Main: 8.29 Start: 19.16</p>					
<b>Electrical Components</b>					
<p><b>Starting Relay : Sensata</b> or <b>COMPELA</b>            Code : ----- RP48XX            Connection Type : Fast-on:--- Screw:--- Fast-on:38 Screw:---            Pick-up : ----- A 7.80 A            Drop-out : ----- A 6.65 A</p> <p><b>Potential Relay : ELECTRICA</b> or <b>G.E.</b>            Code : -----            Pick-up : --- V ----- V            Drop-out : --- V ----- V</p> <p><b>Starting Relay - PTC : Sensata</b> or <b>COMPELA</b>            Code : -----            PTC-Resistance : --- Ohms --- Ohms            Power Consumption of PTC : --- W --- W</p> <p><b>Overload Protector : Sensata</b> or <b>COMPELA</b>            Code : ----- T1411-XX            Connection Type : Fast-on:--- Screw:--- Fast-on:23 Screw:24            Disc Opening Temperature (+/-5°C) : --- °C 140 °C            Disc Closing Temperature (+/-9°C) : --- °C 52 °C            Time Check Current : --- A 10,0 A            Time Check at 25°C : --- s 6,5 - 16 s            Trip Current : --- A at --- °C 3,22 A at 90 °C</p> <p><b>Combo Module :</b>  <b>Capacitor : Start:</b> 88-108MFD 330VAC <b>Run:</b> ----- <b>TPCo Process</b>  <b>Connection Box :</b> ----- ----- <b>1009</b></p> <p><b>Note :</b></p>					

All information contained in this leaflet is subjected to change without previous notice

Printed on: Jul, 29 2011

Issued by: Gustavo Tadeu de Oliveira

Approved by: Cássio R. N. Maule

Revision: **Jun, 21 2011**