



# Technical Specification

## Product Engineering

Model <b>TYA9456ZKS</b>	BM <b>TY401KS</b>	Nominal Voltage (V)		Refrigerant <b>R404A</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 - 264            Application : Commercial Back Pressure (CBP)            Evaporating Temperature Range : -17.8°C to +11,9°C (0°F to +53,5°F)            Motor Type : CSIR            Starting Torque Class : High Start Torque (HST)            Expansion Device : Capillary Tube or Expansion Valve            Commercial Designation : 1' 1/10 HP            Oil Type : Polyol Ester Viscosity : 32 cSt@40°C            Oil Charge : 525.3 ml            Displacement : 19 cc/rev            Net Weight : 17.5 Kg            Approval : -----</p>					
<b>Expected Performance</b>					
	Test Condition :	<b>ASHRAE</b>		<b>ASHRAE</b>	
	Test Voltage :	220V/50Hz*		220V/50Hz**	
Cooling Capacity (+/-5%) ( BTU/h ) :		4900		9035	
	( Kcal/h ) :	1235		2277	
	( W ) :	1436		2648	
Rated Watts (+/-5%) ( W ) :		970		1250	
Rated Current (+/-5%) ( A ) :		6.25		7.25	
Efficiency-EER(-9.04%/+10.5%) ( BTU/Wh ) :		5.05		7.23	
	( Kcal/Wh ) :	1.27		1.82	
	( W/W ) :	1.48		2.12	
LRA (Max.) (A) : 28.5					
Winding Resistance at 25°C (+/-7%)(ohm): Main: 2.27 Start: 25.47					
<b>Electrical Components</b>					
<b>Starting Relay : Sensata</b>		<b>or</b>		<b>COMPELA</b>	
Code : 9660H-XXXX-178				RPC63XX	
Connection Type : Fast-on:---		Screw:3022		Fast-on:--- Screw:61	
Pick-up : 15.80 A				15.80 A	
Drop-out : 13.30 A				13.30 A	
<b>Potential Relay : ELECTRICA</b>		<b>or</b>		<b>G.E.</b>	
Code : -----				-----	
Pick-up : ---- V				---- V	
Drop-out : ---- V				---- V	
<b>Starting Relay - PTC : Sensata</b>		<b>or</b>		<b>COMPELA</b>	
Code : -----				-----	
PTC-Resistance : ---- Ohms				---- Ohms	
Power Consumption of PTC : ---- W				---- W	
<b>Overload Protector : Sensata</b>		<b>or</b>		<b>COMPELA</b>	
Code : 14HM1009-110				-----	
Connection Type : Fast-on:---		Screw:---		Fast-on:--- Screw:---	
Disc Opening Temperature (+/-5°C) : 150 °C				--- °C	
Disc Closing Temperature (+/-9°C) : 85 °C				--- °C	
Time Check Current : 25,00 A				--- A	
Time Check at 25°C : 3,0 - 10 s				--- s	

Trip Current : 7,0 A at 120 °C --- A at --- °C  
**Combo Module :**  
**Capacitor : Start:** 53-64MFD 330VAC **Run:** -----  
**Connection Box :** 14945831 -----  
**Note :** Sensata Internal Overload. \*CBP (-6.7°C) \*\*CBP (7,2°C)

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

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