



# Tecumseh

## Fechar

# Technical Specification

Model <b>TYA4489YKS</b>	BM <b>TY303KS</b>	Nominal Voltage (V)		Refrigerant <b>R134a</b>	Cooling Fan
		60 Hz -----	50 Hz <b>220-240</b>		
<b>BASIC DATA</b>					
<p><b>Motor Type : CSR</b></p> <p><b>Operating Voltage Range (V) : 50 Hz:</b> 198 - 264</p> <p><b>Starting Torque Class :</b> High Start Torque (HST)</p> <p><b>Commercial Designation :</b> 1 HP</p> <p><b>Displacement :</b> 26 cc/rev</p> <p><b>Application :</b> Medium and High Back Pressure (MBP/HBP)</p> <p><b>Evaporating Temperature Range :</b> - 15°C to +15°C (+5°F to +59°F)</p> <p><b>Expansion Device :</b> Capillary Tube or Expansion Valve</p> <p><b>Oil Type :</b> Polyol Ester <span style="float: right;"><b>Viscosity :</b> 32 cSt@40°C</span></p> <p><b>Oil Charge :</b> 506 ml <span style="float: right;"><b>Additive :</b> 19.30 ml</span></p> <p><b>Net Weight :</b> 18.6 Kg</p> <p><b>Approval :</b> IRAM</p>					
<b>EXPECTED PERFORMANCE</b>					
<b>TEST CONDITION :</b>		<b>ASHRAE</b>			
Test Voltage : 220V/50Hz					
Cooling Capacity (± 5%) (BTU/h) : 8200					
(kcal/h) : 2066					
(W) : 2403					
Rated Watts (± 5%) (W) : 980					
Rated Current (± 5%) (A) : 4.76					
Efficiency (-9.04%/+10.5%) (BTU/Wh) : 8.37					
(kcal/Wh) : 2.11					
(W/W) : 2.45					
LRA Max. (A) : 26					
Winding Resistance at 25°C (± 7%) (Ω) : Main: 2.73 Start: 18.05					
<b>ELECTRICAL COMPONENTS</b>					
TPCo Process Code : -----					
<b>Potential Relay : Electrica</b>		<b>or</b>	<b>G.E.</b>		
Code : RVA4N3C			3ARR3A6AB3		
Pick-up : 262 - 290 V			262 - 290 V		
Drop-out : 60 - 121 V			60 - 121 V		
<b>Overload Protector : Sensata</b>		<b>or</b>	<b>UBUKATA</b>		
Code : -----			TB3C		
Connection Type : Fast-on:--- Screw:---			Fast-on:--- Screw:---		
Disc Opening Temperature (± 5°C) : --- °C			135 °C		
Disc Closing Temperature (± 9°C) : --- °C			70 °C		
Time Check Current : --- A			28,0 A		
Time Check at 25°C : --- s			3,0 - 10 s		
Trip Current : --- A at --- °C			12,6 A at 100 °C		
<b>Connection Box :</b> 14945821					
<b>Run Capacitor :</b> 10MFD 440VAC		<b>Cap. Optional :</b> -----			
<b>Start Capacitor :</b> 88-108MFD 330VAC					
<b>Note :</b> Ubukata Internal Overload					

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		60 Hz -----	50 Hz 220-240		
<b>BASIC DATA</b>					
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<b>EXPECTED PERFORMANCE</b>					
<b>TEST CONDITION :</b>		<b>ASHRAE</b>			
Test Voltage :		220V/50Hz			
Cooling Capacity (± 5%) (BTU/h) :		8200			
		(kcal/h) : 2066			
		(W) : 2403			
Rated Watts (± 5%) (W) :		980			
Rated Current (± 5%) (A) :		4.76			
Efficiency (-9.04%/+10.5%) (BTU/Wh) :		8.37			
		(kcal/Wh) : 2.11			
		(W/W) : 2.45			
LRA Max. (A) :		26			
Winding Resistance at 25°C (± 7%) (Ω) :		Main: 2.73 Start: 18.05			
<b>ELECTRICAL COMPONENTS</b>					
TPCo Process Code : -----					
<b>Potential Relay : Electrica</b>		<b>or</b>	<b>G.E.</b>		
Code : RVA4N3C			3ARR3A6AB3		
Pick-up : 262 - 290 V			262 - 290 V		
Drop-out : 60 - 121 V			60 - 121 V		
<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		
<b>Connection Box :</b> 14945821					
<b>Run Capacitor :</b> 10MFD 440VAC		<b>Cap. Optional :</b> -----			
<b>Start Capacitor :</b> 88-108MFD 330VAC					
<b>Note :</b> Sensata Internal Overload					

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