TECUMSEH DO BRASIL LTDA.

Technical Specification
Product Engineering

Model	BM	Nominal Voltage (V)		Refrigerant	Cooling
		60 Hz	50 Hz		
AKM26YS	AK730KS	--------	220-240	R134a	Fan

Basic Data

Operating Voltage Range(V) :	**60Hz:** -------- **50Hz:** 195 - 253
Application :	Medium and High Back Pressure (MBP/HBP)
Evaporating Temperature Range :	-6.7℃ to +12.8℃ (+20℉ to +55℉)
Motor Type :	CSR
Starting Torque Class :	High Start Torque (HST)
Expansion Device :	Capillary Tube or Expansion Valve
Commercial Designation :	7/8 HP
Oil Type :	Polyol Ester **Viscosity :** 32 Cst @ 40ºC
Oil Charge :	545 ml
Displacement :	26,00 cc/rev.
Net Weight :	18,6 Kg
Approval :	IRAM

Expected Performance

Test Condition:	**ASHRAE**
Test Voltage :	240V/50Hz
Cooling Capacity (+/- 5%) (BTU/h) :	8030
(Kcal/h) :	2024
(W) :	2354
Rated Watts (+/- 5%) (W) :	968
Rated Current (+/- 5%)(A) :	4,59
Efficiency - EER (-9.04%/+10.5%)(BTU/Wh) :	8,30
(Kcal/Wh) :	2,09
(W/W) :	2,43
LRA (Max.)(A) :	26,0
Winding Resistance at 25℃ (+/- 7%) (Ω) :	Main: 2,73 Start: 18,05

Electrical Components

Starting Relay :	**TEXAS**	**or**	**COMPELA**
Code :	--------		--------
Connection Type :	Fast-on: --- Screw: ---		Fast-on: --- Screw: ---
Pick-up :	-------- A		..... A
Drop-out :	-------- A		--- A
Potential Relay :	**ELECTRICA**	**or**	**G.E.**
Code :	RVA4N3C		3ARR3A6AB3
Pick-up :	262 - 290 V		262 - 290 V
Drop-out :	60 - 121 V		60 - 121 V
Starting Relay - PTC :	**TEXAS**	**or**	**COMPELA**
Code :	--------		--------
PTC Resistance :	--- Ω		--- Ω
Power Consumption of PTC :	--- W		--- W
Overload Protector :	**TEXAS**	**or**	**COMPELA**
Code :	--------		T28331-XX
Connection Type :	Fast-on: --- Screw: ---		Fast-on: 14 Screw: 44
Disc Opening Temperature (+/- 5℃) :	℃		120 ℃
Disc Closing Temperature (+/- 9℃) :	℃		52 ℃
Time Check Current :	A		16.30 A
Time Check at 25℃ :	s		6.5 - 16 s
Trip Current :	A at ℃		4.81 A at 90℃
Combo Module:	--------		--------
Capacitor :	**Start:** 90-110MFD 330VAC	**Run:** 10MFD 440VAC	**TPCo. Process**
Connection Box :	BRLP103Y / BRLP103Y-E		--------
Note :			

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

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