



tecumseh

AE1420Z-FZ1B

220 - 240V 1~ 50 Hz

Compressor

LBP

R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-404A	50HZ	315	1075	

(*) Operating conditions EN12900 : Dew / T°Cond. 40°C / T°Evap -35°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	11.2 kg (25 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	3/8 in (9.52mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	9.35
Horse Power	1/2
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -10°C (-40°F to 14°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	366

Electrical

Motor Type	CSIR
Main Winding (Ohm)	3.85
Start Winding (Ohm)	22.47
Current RLA 50Hz (A)	2.55
Current LRA (A)	18.5
Start Capacitor	72-88 µF / 250 V
Overload	MRA58181-5587
- Time Check	6.5s - 15s / 11.5 A
- Open Temp / Close Temp	130 °C / 52 °C
Current Relay	9660C-3018-149
- Pick Up / Drop Out	7.7 A / 6.5 A

Note : Tecumseh reserves the right to change information contained in this document without notification.



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Performances are given at rating conditions EN12900
Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	274	369	479	607	758	934	1137
	Power Input (W)	216	248	279	310	343	379	419
	Amps (A)	2.15	2.22	2.29	2.38	2.48	2.61	2.76
40	Refrig. Capacity (Watt)	228	315	412	523	650	798	970
	Power Input (W)	219	256	291	328	366	407	453
	Amps (A)	2.15	2.23	2.32	2.43	2.55	2.7	2.87
50	Refrig. Capacity (Watt)		259	344	438	543	665	805
	Power Input (W)		256	297	339	384	432	484
	Amps (A)		2.23	2.34	2.47	2.62	2.79	2.98
60	Refrig. Capacity (Watt)			278	356	441	537	646
	Power Input (W)			297	346	398	453	513
	Amps (A)			2.34	2.49	2.66	2.86	3.09

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