

Compressor

LBP

R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-404A	50HZ	581	1982	54.5 dBA

(*) Operating conditions ARI 520-90 : Dew / T°Cond. 120°F / T°Evap -10°F / T°Return gas temp. 40°F / T°Subcooling 0°F



*Non-contractual picture

Dimensions

Weight	11.7 kg (26 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)	12
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	CSR
Main Winding (Ohm)	4.21
Start Winding (Ohm)	11.73
Current RLA 50Hz (A)	2.19
Current LRA (A)	18.5
Start Capacitor	88-108 µF / 250 V
Run Capacitor	10 µF / 400 V
Overload	T1435-02
- Time Check	6.5 -16.0s / 10 A
- Open Temp / Close Temp	140 °C / 52 °C
Potential Relay	RVA 4Q3D
- Pick Up / Drop Out	318-347 V / 60-121 V

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



tecumseh

AE2425Z-FZ3C

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI 520-90
Conditions DEW

Return gas temp. : 40 °F
Subcooling : 0 °F

50HZ R-404A

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1133	1559	2057	2633	3291	4034
	Power Input	(W)	274	319	367	416	464	509
	Amps	(A)	1.55	1.73	1.91	2.11	2.31	2.53
105	Refrig. Capacity	(Btu/h)	955	1351	1800	2311	2886	3531
	Power Input	(W)	282	328	381	437	495	552
	Amps	(A)	1.55	1.76	1.98	2.21	2.45	2.71
120	Refrig. Capacity	(Btu/h)		1139	1539	1982	2474	3018
	Power Input	(W)		338	394	456	522	591
	Amps	(A)		1.78	2.04	2.31	2.58	2.87
140	Refrig. Capacity	(Btu/h)			1189	1540	1916	2322
	Power Input	(W)			413	481	556	637
	Amps	(A)			2.1	2.42	2.75	3.09

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