

Compressor

AJ2446U-FZ3C

LBP

R-290

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power
		Watts	BTU/h	ISO3745 / ISO 3743-1
R-290	50HZ	862	2939	61 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



Dimensions

Weight	20.8 kg (46 lb)
Length	246 mm (9.7 in)
Width	178 mm (7 in)
Height	268 mm (10.6 in)
Ø Suction Tube	1/2 in (12.7mm)
Ø Discharge Tube	5/16 in (7.93mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	26.2
Horse Power	3/4
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -12.2°C (-40°F to 10°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	575

Electrical

Motor Type	CSR
Main Winding (Ohm)	2.4
Start Winding (Ohm)	10.1
Current RLA 50Hz (A)	3.7
Current MCC (A)	7
Current LRA (A)	30
Start Capacitor	88-101 µF / 330 V
Run Capacitor	12 µF / 400 V
Overload	T0797
- Time Check	2.8s - 5.2s / 26.5 A
- Open Temp / Close Temp	105 °C / 61 °C
Potential Relay	RVA 4O3D
- Pick Up / Drop Out	280-310 V / 60-121 V

Pressure Equipment Directive

Max. Ambient Temp. (°C)	+46
Max. Allowable Press. (bar)	14.7
Ambient Temp. Range (°C)	-35/+150
Leak Test pressure (bar)	16.2
Free Volume (l)	4.7

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

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

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

50HZ R-290

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1633	2227	2970	3897	5041	6437
	Power Input	(W)	451	520	593	668	743	814
	Amps	(A)	2.42	2.7	2.99	3.31	3.65	4.01
105	Refrig. Capacity	(Btu/h)	1387	1930	2597	3422	4439	5681
	Power Input	(W)	460	534	616	704	796	888
	Amps	(A)	2.4	2.75	3.12	3.51	3.92	4.35
120	Refrig. Capacity	(Btu/h)		1621	2214	2939	3830	4920
	Power Input	(W)		545	634	734	840	952
	Amps	(A)		2.76	3.2	3.67	4.15	4.66
140	Refrig. Capacity	(Btu/h)			1696	2291	3018	3909
	Power Input	(W)			656	768	892	1025
	Amps	(A)			3.27	3.83	4.41	5.02

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