



tecumseh

CAJ2446U

220 - 240V 1~ 50 Hz

Compressor

AJ2446U-FZ3C

LBP

R-290

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-290	50HZ	586	1999	61 dBA

(*) 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	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 403D
- 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.



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Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-290



Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	522	688	893	1143	1447	1812	2246
	Power Input (W)	448	508	571	635	699	760	817
	Amps (A)	2.42	2.65	2.9	3.16	3.44	3.74	4.05
40	Refrig. Capacity (Watt)	435	586	768	988	1255	1575	1957
	Power Input (W)	460	525	598	676	756	838	920
	Amps (A)	2.4	2.71	3.03	3.38	3.74	4.11	4.51
50	Refrig. Capacity (Watt)		478	638	828	1058	1335	1665
	Power Input (W)		538	618	706	802	902	1006
	Amps (A)		2.71	3.12	3.54	3.98	4.44	4.91
60	Refrig. Capacity (Watt)				666	860	1093	1373
	Power Input (W)				733	841	957	1081
	Amps (A)				3.66	4.18	4.71	5.26

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