



tecumseh

CAJ4513U

220 - 240V 1~ 50 Hz

Compressor

AJ4513U-FZ3B

HBP

R-290

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-290	50HZ	2839	9682	64 dBA

(*) Operating conditions EN12900 : Dew / T°Cond. 50°C / T°Evap 5°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	21.9 kg (48 lb)
Length	246 mm (9.7 in)
Width	178 mm (7 in)
Height	280 mm (11 in)
Ø Suction Tube	1/2 in (12.7mm)
Ø Discharge Tube	3/8 in (9.52mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	26
Horse Power	1
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	475

Electrical

Motor Type	CSR
Main Winding (Ohm)	2.94
Start Winding (Ohm)	8.83
Current RLA 50Hz (A)	5.5
Current MCC (A)	9.3
Current LRA (A)	29.5
Start Capacitor	100-115 µF / 330 V
Run Capacitor	15 µF / 400 V
Overload	MST18AIN-3291
- Time Check	7.5s - 14s / 20.7 A
- Open Temp / Close Temp	120 °C / 69 °C
Potential Relay	RVA 6M3D
- Pick Up / Drop Out	/ 60-135 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 EN12900
Conditions DEW

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

50HZ R-290



Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	945	1258	1639	2096	2636	3268	3997	4833	5781
	Power Input (W)	567	630	684	729	763	784	792	784	758
	Amps (A)	2.78	3.08	3.32	3.51	3.65	3.74	3.78	3.77	3.7
40	Refrig. Capacity (Watt)		1060	1384	1774	2235	2777	3406	4129	4955
	Power Input (W)		671	744	810	867	914	949	971	977
	Amps (A)		3.21	3.57	3.88	4.14	4.35	4.51	4.61	4.67
50	Refrig. Capacity (Watt)			1156	1478	1860	2312	2839	3451	4153
	Power Input (W)			795	881	961	1032	1094	1144	1182
	Amps (A)			3.79	4.21	4.59	4.92	5.2	5.42	5.6
60	Refrig. Capacity (Watt)				1217	1520	1881	2307	2806	3386
	Power Input (W)				949	1050	1145	1233	1312	1380
	Amps (A)				4.51	5.01	5.46	5.85	6.2	6.49