



tecumseh

AE4460U-FZ1C

220 - 240V 1~ 50 Hz

Compressor

CBP/HBP (M-HBP)

R-290

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-290	50HZ	1478	5041	

(*) 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	11.3 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)	12
Horse Power	1/2
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)	366

Electrical

Motor Type	CSIR
Main Winding (Ohm)	4.57
Start Winding (Ohm)	19.95
Current RLA 50Hz (A)	3.66
Current LRA (A)	17.5
Start Capacitor	64-77 µF / 330 V
Overload	MRA58181-5587
- Time Check	6.5s - 15s / 11.5 A
- Open Temp / Close Temp	130 °C / 52 °C
Current Relay	9660C-3018-167
- Pick Up / Drop Out	11 A / 9.2 A

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)	639	783	960	1163	1385	1620	1862	2105	2344
	Power Input (W)	328	349	370	389	405	416	421	417	402
	Amps (A)	2.53	2.58	2.65	2.72	2.78	2.82	2.84	2.84	2.79
40	Refrig. Capacity (Watt)		691	842	1022	1225	1443	1670	1900	2128
	Power Input (W)		381	411	440	466	487	502	509	505
	Amps (A)		2.67	2.77	2.87	2.97	3.05	3.1	3.13	3.13
50	Refrig. Capacity (Watt)			752	902	1078	1273	1478	1689	1899
	Power Input (W)			449	489	526	559	585	603	612
	Amps (A)			2.91	3.05	3.19	3.31	3.42	3.5	3.54
60	Refrig. Capacity (Watt)				764	908	1072	1251	1437	1624
	Power Input (W)				534	583	628	667	698	720
	Amps (A)				3.21	3.4	3.58	3.75	3.88	3.98