



tecumseh

AE4450U-FZ1A

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	1209	4121	

(*) 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	10.7 kg (23 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)	10.3
Horse Power	1/3
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)	6.7
Start Winding (Ohm)	19.31
Current RLA 50Hz (A)	3.14
Current LRA (A)	14.5
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-3018-145
- Pick Up / Drop Out	7 A / 5.9 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)	492	611	762	950	1178	1449	1767	2136	2559
	Power Input (W)	289	309	329	345	358	366	368	363	349
	Amps (A)	2.24	2.3	2.35	2.4	2.45	2.47	2.49	2.47	2.43
40	Refrig. Capacity (Watt)		530	660	814	996	1209	1457	1744	2073
	Power Input (W)		338	365	390	412	429	441	446	443
	Amps (A)		2.36	2.45	2.53	2.6	2.67	2.71	2.73	2.72
50	Refrig. Capacity (Watt)			556	691	843	1014	1209	1430	1680
	Power Input (W)			396	431	464	492	516	532	542
	Amps (A)			2.53	2.66	2.77	2.88	2.97	3.04	3.08
60	Refrig. Capacity (Watt)				552	688	833	989	1160	1349
	Power Input (W)				468	513	555	591	622	646
	Amps (A)				2.77	2.95	3.11	3.26	3.39	3.49