



tecumseh

AE4440U-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	951	3244	

(*) 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	10.3 kg (23 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	1/4 in (6.35mm)
Ø Discharge Tube	3/16 in (4.76mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	8.02
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)	265

Electrical

Motor Type	CSIR
Main Winding (Ohm)	8.24
Start Winding (Ohm)	24.11
Current RLA 50Hz (A)	2.38
Current LRA (A)	12.5
Start Capacitor	64-77 µF / 250 V
Overload	MRA6000-5587
- Time Check	6.5s - 16s / 9.2 A
- Open Temp / Close Temp	120 °C / 52 °C
Current Relay	9660D-3018-143
- Pick Up / Drop Out	6.8 A / 5.75 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)	382	488	608	744	900	1075	1272	1493	1739
	Power Input (W)	206	225	240	252	259	261	258	249	234
	Amps (A)	1.68	1.73	1.77	1.81	1.83	1.84	1.84	1.81	1.75
40	Refrig. Capacity (Watt)		432	539	658	792	944	1113	1303	1514
	Power Input (W)		243	265	283	297	306	311	310	303
	Amps (A)		1.78	1.84	1.9	1.95	1.98	2	2	1.98
50	Refrig. Capacity (Watt)			458	563	678	807	951	1112	1289
	Power Input (W)			284	310	333	351	365	373	376
	Amps (A)			1.9	1.98	2.06	2.13	2.18	2.22	2.24
60	Refrig. Capacity (Watt)				459	558	667	787	920	1067
	Power Input (W)				326	358	387	411	431	445
	Amps (A)				2.03	2.15	2.26	2.36	2.44	2.51