



tecumseh

AE4425U-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	572	1950	

(*) 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	9.5 kg (21 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)	5.02
Horse Power	1/5
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)	12.46
Start Winding (Ohm)	51.9
Current RLA 50Hz (A)	1.55
Current LRA (A)	9.5
Start Capacitor	64-77 µF / 250 V
Overload	MSP63AMZ-5587
- Time Check	6.5s - 15s / 7.4 A
- Open Temp / Close Temp	120 °C / 61 °C
Current Relay	9660D-3018-125
- Pick Up / Drop Out	4.65 A / 3.95 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)	222	284	359	449	553	675	813	969	1144
	Power Input (W)	150	159	167	173	176	176	171	161	145
	Amps (A)	1.23	1.25	1.28	1.3	1.31	1.31	1.3	1.26	1.21
40	Refrig. Capacity (Watt)		239	302	378	467	571	689	823	974
	Power Input (W)		169	180	190	199	204	206	203	195
	Amps (A)		1.28	1.31	1.34	1.37	1.39	1.4	1.39	1.36
50	Refrig. Capacity (Watt)			251	313	387	473	572	684	812
	Power Input (W)			192	206	219	230	238	242	241
	Amps (A)			1.34	1.39	1.43	1.46	1.49	1.51	1.51
60	Refrig. Capacity (Watt)				252	310	379	459	551	654
	Power Input (W)				221	238	254	268	279	285
	Amps (A)				1.43	1.49	1.55	1.6	1.64	1.67