



tecumseh

AE4430U-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	652	2223	

(*) 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	9.6 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)	6.12
Horse Power	1/4
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)	10.09
Start Winding (Ohm)	33.84
Current RLA 50Hz (A)	1.88
Current LRA (A)	11
Start Capacitor	64-77 µF / 250 V
Overload	MSP61AMK-5587
- Time Check	6.5s - 16s / 7.8 A
- Open Temp / Close Temp	105 °C / 61 °C
Current Relay	MTRP004631
- Pick Up / Drop Out	4.65 A / 3.95 A

Note : Tecumseh reserves the right to change information contained in this document without notification.



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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)	149	240	327	416	510	615	734	872	1033
	Power Input (W)	172	188	202	212	217	219	215	205	190
	Amps (A)	1.52	1.54	1.57	1.59	1.61	1.61	1.6	1.57	1.52
40	Refrig. Capacity (Watt)		226	310	396	487	588	703	836	991
	Power Input (W)		199	216	231	242	250	253	251	244
	Amps (A)		1.55	1.58	1.62	1.65	1.68	1.69	1.69	1.66
50	Refrig. Capacity (Watt)			282	363	448	543	652	778	925
	Power Input (W)			231	251	268	282	293	299	300
	Amps (A)			1.61	1.67	1.72	1.77	1.81	1.83	1.84
60	Refrig. Capacity (Watt)				331	409	497	596	713	850
	Power Input (W)				270	293	314	332	346	357
	Amps (A)				1.72	1.8	1.87	1.94	1.99	2.03

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