



tecumseh

TC4430U-FZ1B

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	818	2790	

(*) 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	8.5 kg (19 lb)
Length	248 mm (9.8 in)
Width	167 mm (6.6 in)
Height	179 mm (7 in)
Ø Suction Tube	5/16 in (7.93mm)
Ø Discharge Tube	3/16 in (4.76mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	6.06
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)	174

Electrical

Motor Type	CSIR
Main Winding (Ohm)	10.1
Start Winding (Ohm)	20.85
Current RLA 50Hz (A)	1.9
Current LRA (A)	12
Start Capacitor	72-88 µF / 250 V
Overload	MRA58196-5587
- Time Check	6.5s - 16s / 7.4 A
- Open Temp / Close Temp	120 °C / 52 °C
Current Relay	9660C-3018-121
- Pick Up / Drop Out	4.2 A / 3.55 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)	364	441	528	627	739	867	1010	1170	1350
	Power Input (W)	170	182	193	202	208	212	213	211	206
	Amps (A)	1.44	1.46	1.49	1.51	1.53	1.55	1.55	1.54	1.52
40	Refrig. Capacity (Watt)		388	471	564	667	782	911	1054	1212
	Power Input (W)		196	210	223	234	243	249	253	254
	Amps (A)		1.5	1.54	1.58	1.61	1.65	1.67	1.68	1.68
50	Refrig. Capacity (Watt)			429	513	605	707	818	942	1078
	Power Input (W)			227	244	260	274	286	296	303
	Amps (A)			1.59	1.64	1.69	1.75	1.79	1.83	1.85
60	Refrig. Capacity (Watt)				462	541	627	720	823	935
	Power Input (W)				265	286	305	323	338	351
	Amps (A)				1.71	1.78	1.86	1.93	1.99	2.04