



tecumseh

TCW415U-FZ3K

220 - 240V 1~ 50 Hz

Compressor

L-MBP

R-290

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-290	50HZ	223	760	

(*) Operating conditions EN12900 : Dew / T°Cond. 40°C / T°Evap -35°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	8.4 kg (19 lb)
Length	248 mm (9.8 in)
Width	167 mm (6.6 in)
Height	183 mm (7.2 in)
Ø Suction Tube	5/16 in (7.93mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	7.84
Horse Power	1/3
Compressor Cooling	Fan
Evaporating Temp. Range	-35°C to -5°C (-31°F to 23°F)
Expansion Device	Capillary Tube
Oil Type	P.O.E 10
Oil Charge (cc)	220

Electrical

Motor Type	PTCS_CR
Main Winding (Ohm)	11.932
Start Winding (Ohm)	7.107
Current RLA 50Hz (A)	1.07
Current LRA (A)	15
Run Capacitor	10 µF / 400 V
Overload	4TM276NFBYY-53
- Time Check	5.0-15s / 9.00 A
- Open Temp / Close Temp	120 °C / 61 °C
PTC Relay	8EA17C4-30032
- Resistance	22 ohms

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)	-35	-30	-25	-20	-15	-10	-5	0	5
30	Refrig. Capacity (Watt)	259	325	403	494	598	717	851	1000	1165
	Power Input (W)	156	169	186	203	220	233	243	245	240
	Amps (A)	0.72	0.78	0.86	0.94	1.01	1.07	1.11	1.11	1.08
40	Refrig. Capacity (Watt)	223	283	353	435	529	635	754	887	1035
	Power Input (W)	164	181	201	223	245	264	279	288	290
	Amps (A)	0.76	0.83	0.93	1.03	1.13	1.21	1.28	1.31	1.31
50	Refrig. Capacity (Watt)	187	240	303	375	457	550	655	772	901
	Power Input (W)	172	192	215	241	267	291	312	328	336
	Amps (A)	0.79	0.88	0.99	1.11	1.23	1.34	1.43	1.49	1.52
60	Refrig. Capacity (Watt)			252	313	384	463	553	653	764
	Power Input (W)			228	258	288	316	342	363	378
	Amps (A)			1.05	1.18	1.32	1.45	1.57	1.66	1.71

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