



tecumseh

TCW410U-GS8E

220V 1~ 50 Hz / 60 Hz

Compressor

L-MBP

R-290

Voltage Code : GS

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-290	50HZ / 60HZ	191 / 224	652 / 762	

(*) 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	8.5 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	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	6.06
Horse Power	1/4
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)	174

Electrical

Motor Type	CSIR
Main Winding (Ohm)	8.56
Start Winding (Ohm)	20.68
Current RLA 50Hz (A)	2
Current RLA 60Hz (A)	1.8
Current MCC (A)	2.76
Current LRA (A)	14
Start Capacitor	88-108 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.



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TCW410U-GS8E

220V 1~ 50 Hz / 60 Hz

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)	230	291	359	436	524	622	731	854	989
	Power Input (W)	150	163	176	190	202	212	219	221	218
	Amps (A)	1.64	1.66	1.69	1.73	1.76	1.78	1.79	1.78	1.73
40	Refrig. Capacity (Watt)	191	246	307	376	453	539	635	743	861
	Power Input (W)	153	167	183	199	214	226	236	242	243
	Amps (A)	1.67	1.69	1.72	1.76	1.8	1.83	1.85	1.85	1.83
50	Refrig. Capacity (Watt)	159	211	266	328	396	472	556	650	753
	Power Input (W)	155	173	192	211	229	246	261	271	277
	Amps (A)	1.68	1.7	1.74	1.78	1.83	1.88	1.91	1.93	1.93
60	Refrig. Capacity (Watt)			220	276	338	405	479	561	650
	Power Input (W)			195	219	243	265	285	302	314
	Amps (A)			1.74	1.8	1.86	1.92	1.97	2.01	2.03

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60HZ R-290

Condensing	Evaporating (°C)	-35	-30	-25	-20	-15	-10	-5	0	5
30	Refrig. Capacity (Watt)	243	310	387	478	586	715	867	1045	1251
	Power Input (W)	138	155	171	187	203	221	241	265	293
	Amps (A)	1.22	1.26	1.31	1.36	1.42	1.49	1.56	1.63	1.72
40	Refrig. Capacity (Watt)	224	287	356	435	528	637	766	918	1094
	Power Input (W)	149	170	189	209	228	250	274	301	332
	Amps (A)	1.24	1.3	1.36	1.42	1.5	1.58	1.66	1.75	1.85
50	Refrig. Capacity (Watt)	185	245	306	374	452	542	649	775	921
	Power Input (W)	151	175	198	221	244	268	295	325	359
	Amps (A)	1.25	1.31	1.39	1.47	1.55	1.64	1.74	1.85	1.96
60	Refrig. Capacity (Watt)			265	321	383	455	539	638	756
	Power Input (W)			206	231	257	284	313	345	381
	Amps (A)			1.41	1.5	1.6	1.71	1.82	1.93	2.06