



tecumseh

TCW380U-GS8A

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	147 / 176	500 / 602	

(*) 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
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)	4.19
Horse Power	1/5
Compressor Cooling	Fan
Evaporating Temp. Range	-35°C to -5°C (-31°F to 23°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 10
Oil Charge (cc)	174

Electrical

Motor Type	CSIR
Main Winding (Ohm)	13.85
Start Winding (Ohm)	17.16
Current RLA 50Hz (A)	1.48
Current RLA 60Hz (A)	1.36
Current MCC (A)	2.12
Current LRA (A)	10
Start Capacitor	72-88 µF / 250 V
Overload	B78-130-033
- Time Check	6.5-16.0s / 7.8 A
- Open Temp / Close Temp	130 °C / 52 °C
Current Relay	QL2-2.89 B3
- Pick Up / Drop Out	2.89 A / 2.35 A

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



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TCW380U-GS8A

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)	158	199	247	303	367	440	522	613	714
	Power Input (W)	125	130	136	142	147	152	155	156	154
	Amps (A)	1.4	1.39	1.38	1.38	1.39	1.4	1.4	1.4	1.39
40	Refrig. Capacity (Watt)	147	184	228	278	335	400	473	554	644
	Power Input (W)	126	133	142	151	159	167	173	177	178
	Amps (A)	1.39	1.38	1.39	1.4	1.41	1.43	1.44	1.45	1.45
50	Refrig. Capacity (Watt)	136	171	210	255	305	362	426	497	576
	Power Input (W)	127	137	148	160	171	182	191	198	203
	Amps (A)	1.38	1.38	1.39	1.41	1.43	1.45	1.47	1.49	1.5
60	Refrig. Capacity (Watt)			193	233	277	327	382	443	511
	Power Input (W)			153	168	182	196	208	218	226
	Amps (A)			1.4	1.43	1.45	1.48	1.51	1.53	1.55

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60HZ R-290

Condensing	Evaporating (°C)	-35	-30	-25	-20	-15	-10	-5	0	5
30	Refrig. Capacity (Watt)	177	227	285	352	430	520	623	740	873
	Power Input (W)	113	125	135	145	153	161	169	175	181
	Amps (A)	1.02	1.05	1.08	1.11	1.13	1.16	1.18	1.2	1.21
40	Refrig. Capacity (Watt)	176	222	274	333	402	481	572	675	792
	Power Input (W)	120	133	146	159	171	183	194	205	216
	Amps (A)	1.04	1.08	1.11	1.15	1.19	1.23	1.27	1.3	1.33
50	Refrig. Capacity (Watt)	163	205	252	304	364	433	511	601	702
	Power Input (W)	123	139	154	170	185	200	216	231	246
	Amps (A)	1.05	1.09	1.13	1.18	1.23	1.29	1.34	1.39	1.44
60	Refrig. Capacity (Watt)			232	278	329	387	454	530	616
	Power Input (W)			160	179	197	216	235	255	275
	Amps (A)			1.15	1.21	1.27	1.34	1.41	1.48	1.54