



tecumseh

TCW350U-GS1B

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	75.6 / 90.4	258 / 308	

(*) 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 kg (18 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)	2.72
Horse Power	1/8
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	PTCS_IR
Main Winding (Ohm)	15.39
Start Winding (Ohm)	20.2
Current RLA 50Hz (A)	0.95
Current RLA 60Hz (A)	0.88
Current MCC (A)	1.26
Current LRA (A)	10
Overload	4TM189NFBYY-53
- Time Check	5.0-15.0s / 5.6 A
- Open Temp / Close Temp	120 °C / 61 °C
PTC Relay	8EA17C2-30032
- Resistance	4.7 ohms

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



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TCW350U-GS1B

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)	87.1	110	139	175	216	262	313	369	428
	Power Input (W)	67.8	73.1	78.2	82.8	86.7	89.6	91.2	91.5	90
	Amps (A)	0.82	0.83	0.84	0.85	0.85	0.85	0.84	0.82	0.78
40	Refrig. Capacity (Watt)	75.6	96.2	123	155	191	233	278	327	378
	Power Input (W)	70.6	77.1	83.5	89.6	95	99.7	103	106	107
	Amps (A)	0.83	0.84	0.86	0.87	0.88	0.89	0.89	0.88	0.85
50	Refrig. Capacity (Watt)	61.3	79.6	103	131	163	199	239	281	325
	Power Input (W)	71.9	79.6	87.4	95.1	102	109	115	119	123
	Amps (A)	0.83	0.84	0.86	0.88	0.9	0.91	0.92	0.92	0.91
60	Refrig. Capacity (Watt)			83.1	107	135	165	198	233	270
	Power Input (W)			90.5	99.9	109	118	126	133	139
	Amps (A)			0.86	0.89	0.91	0.93	0.95	0.96	0.96

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60HZ R-290

Condensing	Evaporating (°C)	-35	-30	-25	-20	-15	-10	-5	0	5
30	Refrig. Capacity (Watt)	106	134	169	212	261	316	378	446	520
	Power Input (W)	73	79.6	86	91.7	96.4	99.7	101	100	96.9
	Amps (A)	0.69	0.71	0.73	0.74	0.76	0.76	0.75	0.72	0.67
40	Refrig. Capacity (Watt)	90.4	116	148	186	229	279	334	394	460
	Power Input (W)	75.7	83.8	92	99.9	107	113	118	120	121
	Amps (A)	0.69	0.71	0.73	0.76	0.79	0.81	0.81	0.8	0.77
50	Refrig. Capacity (Watt)	73.8	96.3	124	157	196	239	286	339	396
	Power Input (W)	77.2	86.8	96.7	107	116	125	132	138	142
	Amps (A)	0.7	0.72	0.75	0.78	0.82	0.85	0.87	0.88	0.86
60	Refrig. Capacity (Watt)			101	129	162	198	238	282	330
	Power Input (W)			99.5	111	123	134	145	154	161
	Amps (A)			0.75	0.8	0.84	0.88	0.91	0.93	0.93