



tecumseh

THB4419YWZ

208-230V~ 50Hz / 220-230V~ 60Hz

Compressor

HBP

R-134a

Voltage Code : WZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ / 60HZ	212 / 253	723 / 864	

(*) Operating conditions ARI 520-90 : Dew / T°Cond. 120°F / T°Evap 20°F / T°Evaporating 20°F / T°Superheat 32°F



*Non-contractual picture

Dimensions

Weight	7.5 kg (17 lb)
Length	236 mm (9.3 in)
Width	162 mm (6.4 in)
Height	177 mm (7 in)
Ø Suction Tube	1/4 in (6.35mm)
Ø Discharge Tube	3/16 in (4.76mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	5
Horse Power	1/6
Compressor Cooling	Static
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)	248

Electrical

Motor Type	CSIR
Main Winding (Ohm)	11.54
Start Winding (Ohm)	25.82
Current RLA 50Hz (A)	1.49
Current RLA 60Hz (A)	1.5
Current MCC (A)	2.21
Current LRA (A)	10
Start Capacitor	64-77 µF / 250 V
Overload	T90026-98
- Time Check	6.5-16.0s / 7.0 A
- Open Temp / Close Temp	110 °C / 52 °C
Current Relay	RP3818
- Pick Up / Drop Out	4.8 A / 4.1 A

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



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THB4419YWZ

208-230V~ 50Hz /220-230V~ 60Hz

Performances are given at rating conditions ARI 520-90
Conditions DEW

Evaporating : 20 °F
Superheat : 32 °F

50HZ R-134a

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	190	369	555	757	984	1246	1554	1919
	Power Input	(W)	107	115	127	141	157	174	189	202
	Amps	(A)	1.16	1.18	1.21	1.25	1.29	1.33	1.38	1.42
105	Refrig. Capacity	(Btu/h)	213	359	520	703	918	1175	1485	1861
	Power Input	(W)	124	128	138	151	167	185	203	219
	Amps	(A)	1.18	1.19	1.22	1.26	1.3	1.35	1.41	1.47
120	Refrig. Capacity	(Btu/h)		324	461	626	831	1085	1400	1788
	Power Input	(W)		137	145	159	176	195	216	237
	Amps	(A)		1.21	1.23	1.27	1.32	1.39	1.46	1.54
140	Refrig. Capacity	(Btu/h)			340	485	677	927	1249	1656
	Power Input	(W)			150	164	184	208	235	263
	Amps	(A)			1.24	1.29	1.35	1.43	1.52	1.63

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60HZ R-134a

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	183	430	667	911	1177	1484	1850	2294
	Power Input	(W)	119	133	150	169	190	213	237	263
	Amps	(A)	1.08	1.12	1.17	1.22	1.27	1.33	1.4	1.49
105	Refrig. Capacity	(Btu/h)	216	421	626	846	1097	1397	1767	2225
	Power Input	(W)	135	146	160	177	198	221	247	276
	Amps	(A)	1.11	1.14	1.18	1.23	1.28	1.35	1.43	1.54
120	Refrig. Capacity	(Btu/h)		377	552	751	989	1286	1662	2137
	Power Input	(W)		156	168	184	205	230	259	292
	Amps	(A)		1.17	1.2	1.24	1.3	1.38	1.47	1.59
140	Refrig. Capacity	(Btu/h)			411	585	810	1106	1492	1992
	Power Input	(W)			174	190	212	241	275	315
	Amps	(A)			1.23	1.27	1.33	1.42	1.53	1.67