

Compressor

HBP

R-134a

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	175	596	

(*) 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	6.9 kg (15 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)	4
Horse Power	1/8
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)	15.27
Start Winding (Ohm)	29.5
Current RLA 50Hz (A)	1.15
Current LRA (A)	7
Start Capacitor	47-56 µF / 250 V
Overload	T14529-98
- Time Check	6.5 - 16s / 5.0 A
- Open Temp / Close Temp	120 °C / 52 °C
Current Relay	RP3218
- Pick Up / Drop Out	3.55 A / 3.05 A

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



tecumseh

THB4415YFZ

220 - 240V 1~ 50 Hz

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)	157	304	458	624	812	1028	1282	1583
	Power Input (W)	84.9	91.2	101	112	125	138	150	161
	Amps (A)	0.89	0.91	0.94	0.96	1	1.03	1.06	1.1
105	Refrig. Capacity (Btu/h)	175	296	429	579	757	969	1225	1535
	Power Input (W)	98.3	102	110	120	133	147	161	174
	Amps (A)	0.91	0.92	0.94	0.97	1.01	1.05	1.09	1.14
120	Refrig. Capacity (Btu/h)		267	380	517	685	895	1154	1475
	Power Input (W)		109	116	126	140	155	172	189
	Amps (A)		0.93	0.95	0.98	1.02	1.07	1.12	1.19
140	Refrig. Capacity (Btu/h)			281	400	558	765	1030	1366
	Power Input (W)			119	131	147	165	187	209
	Amps (A)			0.96	0.99	1.04	1.1	1.18	1.26

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