



tecumseh

THB4413YFZ

220 - 240V 1~ 50 Hz

Compressor

HBP

R-134a

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	267	909	

(*) Operating conditions EN12900 : Dew / T°Cond. 50°C / T°Evap 5°C / T°Return gas temp. 20°C / T°Subcooling 0K



*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)	3.4
Horse Power	1/10
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)	18.03
Start Winding (Ohm)	28.72
Current RLA 50Hz (A)	0.98
Current LRA (A)	7
Start Capacitor	64-77 µF / 250 V
Overload	T26809-98
- Time Check	6.5 - 16.0s / 5.5 A
- Open Temp / Close Temp	95 °C / 52 °C
Current Relay	RP2818
- Pick Up / Drop Out	2.95 A / 2.5 A

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



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Performances are given at rating conditions EN12900
Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-134a

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	50.6	88.6	127	166	208	254	305	364	430
	Power Input (W)	68	73.7	81.3	90.2	99.8	110	119	127	134
	Amps (A)	0.76	0.78	0.8	0.82	0.84	0.87	0.89	0.92	0.94
40	Refrig. Capacity (Watt)	57.3	87.6	119	154	193	237	289	348	417
	Power Input (W)	81.5	84.9	90.9	98.8	108	118	129	139	148
	Amps (A)	0.77	0.79	0.8	0.82	0.85	0.88	0.91	0.95	0.98
50	Refrig. Capacity (Watt)		78.2	105	135	172	215	267	327	399
	Power Input (W)		91.5	96.6	104	115	126	139	151	164
	Amps (A)		0.8	0.81	0.84	0.87	0.9	0.94	0.99	1.04
60	Refrig. Capacity (Watt)			80.6	108	143	185	237	300	375
	Power Input (W)			99.1	108	119	133	148	165	181
	Amps (A)			0.82	0.84	0.88	0.92	0.98	1.04	1.1

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