



tecumseh

FH2480Z-XC3A

220 - 240V 1~ 50 Hz

Compressor

LBP

R-452A / R-404A

Voltage Code : XC

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	1146	3908	72 dBA
R-404A	50HZ	1281	4367	
R-448A	50HZ	1003	3421	
R-449A	50HZ	1003	3421	

(*) 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	29.5 kg (65 lb)
Length	274 mm (10.8 in)
Width	288 mm (11.3 in)
Height	354 mm (13.9 in)
Ø Suction Tube	1-1/4 in (Rotolock)
Ø Discharge Tube	1-1/4 in (Rotolock)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	54.3
Horse Power	2
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -12.2°C (-40°F to 10°F)
Oil Type	P.O.E 32
Oil Charge (cc)	1140

Electrical

Motor Type	CSR
Main Winding (Ohm)	0.73
Start Winding (Ohm)	2.07
Current RLA 50Hz (A)	7.3
Current MCC (A)	12
Current LRA (A)	65
Start Capacitor	156-179 µF / 330 V
Run Capacitor	45 µF / 400 V
Overload	15HM1436-43
- Time Check	2.0-10s / 73 A
- Open Temp / Close Temp	120 °C / 69 °C
Potential Relay	RVA 4AL3D
- Pick Up / Drop Out	223-252 V / 60-121 V

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



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FH2480Z-XC3A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-452A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1043	1550	2180	2946	3865	4950	6217
	Power Input (W)	908	1120	1331	1537	1734	1917	2082
	Amps (A)	6.38	6.73	7.12	7.54	8	8.5	9.03
40	Refrig. Capacity (Watt)	695	1146	1702	2379	3190	4151	5277
	Power Input (W)	831	1081	1335	1591	1845	2091	2325
	Amps (A)	6.11	6.63	7.17	7.74	8.35	8.99	9.67
50	Refrig. Capacity (Watt)			1219	1797	2493	3322	4299
	Power Input (W)			1280	1587	1898	2208	2512
	Amps (A)			6.99	7.73	8.49	9.29	10.1
60	Refrig. Capacity (Watt)				1218	1791	2479	3298
	Power Input (W)				1517	1886	2261	2636
	Amps (A)				7.48	8.41	9.37	10.4

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1176	1700	2346	3127	4057	5150	6419
	Power Input (W)	993	1214	1432	1643	1843	2026	2190
	Amps (A)	6.98	7.3	7.66	8.06	8.5	8.98	9.5
40	Refrig. Capacity (Watt)	817	1281	1847	2531	3345	4303	5419
	Power Input (W)	931	1190	1453	1715	1972	2220	2453
	Amps (A)	6.84	7.3	7.8	8.34	8.92	9.54	10.2
50	Refrig. Capacity (Watt)		868	1348	1926	2615	3431	4386
	Power Input (W)		1110	1418	1732	2047	2359	2663
	Amps (A)		7.11	7.75	8.44	9.16	9.92	10.7
60	Refrig. Capacity (Watt)			865	1329	1887	2551	3337
	Power Input (W)			1325	1690	2063	2440	2816
	Amps (A)			7.51	8.33	9.2	10.1	11.1



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220 - 240V 1~ 50 Hz

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Conditions DEW

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

50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	890	1359	1947	2672	3549	4597	5831
	Power Input (W)	835	1037	1240	1440	1631	1809	1970
	Amps (A)	5.86	6.23	6.63	7.06	7.53	8.02	8.55
40	Refrig. Capacity (Watt)		1003	1530	2180	2968	3911	5027
	Power Input (W)		994	1239	1488	1734	1975	2205
	Amps (A)		6.1	6.65	7.24	7.85	8.49	9.17
50	Refrig. Capacity (Watt)			1106	1674	2367	3201	4194
	Power Input (W)			1182	1479	1782	2086	2386
	Amps (A)			6.46	7.2	7.98	8.78	9.61
60	Refrig. Capacity (Watt)				1175	1766	2486	3349
	Power Input (W)				1409	1769	2136	2506
	Amps (A)				6.94	7.89	8.85	9.85

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	890	1359	1947	2672	3549	4597	5831
	Power Input (W)	835	1037	1240	1440	1631	1809	1970
	Amps (A)	5.86	6.23	6.63	7.06	7.53	8.02	8.55
40	Refrig. Capacity (Watt)		1003	1530	2180	2968	3911	5027
	Power Input (W)		994	1239	1488	1734	1975	2205
	Amps (A)		6.1	6.65	7.24	7.85	8.49	9.17
50	Refrig. Capacity (Watt)			1106	1674	2367	3201	4194
	Power Input (W)			1182	1479	1782	2086	2386
	Amps (A)			6.46	7.2	7.98	8.78	9.61
60	Refrig. Capacity (Watt)				1175	1766	2486	3349
	Power Input (W)				1409	1769	2136	2506
	Amps (A)				6.94	7.89	8.85	9.85

* Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.