



tecumseh

FH2511Z-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	1639	5589	75 dBA
R-404A	50HZ	1832	6246	
R-448A	50HZ	1435	4893	
R-449A	50HZ	1435	4893	

(*) 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	33.5 kg (74 lb)
Length	274 mm (10.8 in)
Width	288 mm (11.3 in)
Height	354 mm (13.9 in)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	68
Horse Power	3
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)	0.75
Start Winding (Ohm)	2.02
Current RLA 50Hz (A)	8.03
Current MCC (A)	24
Current LRA (A)	71
Start Capacitor	161-193 µF / 330 V
Run Capacitor	60 µF / 400 V
Overload	15HM 2357-148
- Time Check	2.0-10s / 64 A
- Open Temp / Close Temp	130 °C / 69 °C
Potential Relay	RVA 3AH3D
- Pick Up / Drop Out	190-215 V / 40-105 V

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



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FH2511Z-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)	1491	2217	3117	4214	5527	7079	8892
	Power Input (W)	1201	1482	1761	2034	2295	2537	2756
	Amps (A)	7.01	7.4	7.83	8.29	8.8	9.35	9.94
40	Refrig. Capacity (Watt)	994	1639	2435	3402	4562	5937	7548
	Power Input (W)	1100	1430	1767	2106	2441	2767	3078
	Amps (A)	6.73	7.29	7.88	8.52	9.18	9.89	10.6
50	Refrig. Capacity (Watt)			1744	2570	3566	4751	6149
	Power Input (W)			1695	2101	2512	2922	3325
	Amps (A)			7.69	8.5	9.34	10.2	11.1
60	Refrig. Capacity (Watt)				1743	2561	3546	4717
	Power Input (W)				2008	2496	2992	3489
	Amps (A)				8.22	9.25	10.3	11.4

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1681	2431	3355	4472	5802	7365	9181
	Power Input (W)	1315	1607	1896	2175	2439	2682	2899
	Amps (A)	7.68	8.03	8.42	8.87	9.35	9.88	10.5
40	Refrig. Capacity (Watt)	1168	1832	2642	3620	4783	6154	7750
	Power Input (W)	1232	1575	1923	2270	2610	2938	3247
	Amps (A)	7.53	8.03	8.58	9.17	9.81	10.5	11.2
50	Refrig. Capacity (Watt)		1242	1928	2754	3741	4907	6273
	Power Input (W)		1470	1877	2292	2709	3122	3525
	Amps (A)		7.82	8.53	9.28	10.1	10.9	11.8
60	Refrig. Capacity (Watt)			1237	1901	2698	3649	4773
	Power Input (W)			1753	2237	2731	3230	3727
	Amps (A)			8.26	9.17	10.1	11.1	12.2



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220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
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)	1272	1943	2785	3821	5076	6574	8339
	Power Input (W)	1105	1373	1641	1905	2158	2395	2608
	Amps (A)	6.45	6.86	7.3	7.77	8.28	8.82	9.4
40	Refrig. Capacity (Watt)		1435	2189	3117	4244	5594	7190
	Power Input (W)		1316	1640	1969	2295	2614	2918
	Amps (A)		6.71	7.32	7.96	8.64	9.34	10.1
50	Refrig. Capacity (Watt)			1582	2394	3385	4578	5998
	Power Input (W)			1564	1958	2359	2761	3158
	Amps (A)			7.1	7.92	8.78	9.66	10.6
60	Refrig. Capacity (Watt)				1680	2526	3555	4790
	Power Input (W)				1865	2341	2827	3317
	Amps (A)				7.64	8.67	9.74	10.8

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1272	1943	2785	3821	5076	6574	8339
	Power Input (W)	1105	1373	1641	1905	2158	2395	2608
	Amps (A)	6.45	6.86	7.3	7.77	8.28	8.82	9.4
40	Refrig. Capacity (Watt)		1435	2189	3117	4244	5594	7190
	Power Input (W)		1316	1640	1969	2295	2614	2918
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	Power Input (W)				1865	2341	2827	3317
	Amps (A)				7.64	8.67	9.74	10.8

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