



tecumseh

FH4525Y-XG1A

380-420V 3~ 50Hz / 460V 3~ 60 Hz

Compressor

HBP

R-134a / R-513A

Voltage Code : XG

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ / 60HZ	2814 / 3329	9595 / 11351	71 dBA
R-513A	50HZ / 60HZ	2890 / 3419	9854 / 11658	

(*) 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

General

Compressor Type	Reciprocating
Displacement (cc)	63
Horse Power	2
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Oil Type	P.O.E 32
Oil Charge (cc)	1140

Electrical

Motor Type	3PH
Main Winding (Ohm)	7.05
Current RLA 50Hz (A)	3.39
Current RLA 60Hz (A)	3.39
Current LRA (A)	26
Overload	Internal
- Time Check	3.0-10s / 25 A
- Open Temp / Close Temp	105 °C / 69 °C

Dimensions

Weight	29.1 kg (64 lb)
Length	274 mm (10.8 in)
Width	288 mm (11.3 in)
Height	354 mm (13.9 in)

Certificates



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



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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)	3630	5702	8318	11592	15648	20614	26625	33823
	Power Input	(W)	788	921	1050	1173	1291	1405	1514	1620
	Amps	(A)	1.39	1.67	1.93	2.17	2.4	2.6	2.79	2.96
105	Refrig. Capacity	(Btu/h)	2638	4522	6866	9783	13394	17829	23224	29724
	Power Input	(W)	776	938	1097	1252	1405	1555	1704	1851
	Amps	(A)	1.29	1.63	1.95	2.26	2.54	2.81	3.06	3.29
120	Refrig. Capacity	(Btu/h)		3419	5508	8086	11271	15193	19990	25810
	Power Input	(W)		928	1120	1310	1500	1690	1879	2070
	Amps	(A)		1.59	1.97	2.34	2.68	3.01	3.32	3.62
140	Refrig. Capacity	(Btu/h)			3867	6020	8666	11933	15960	20900
	Power Input	(W)			1119	1361	1604	1850	2099	2351
	Amps	(A)			1.98	2.43	2.86	3.27	3.66	4.03

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60HZ R-134a

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	4298	6751	9845	13718	18515	24388	31497	40008
	Power Input	(W)	950	1116	1274	1424	1569	1708	1842	1972
	Amps	(A)	1.39	1.67	1.93	2.17	2.4	2.6	2.79	2.96
105	Refrig. Capacity	(Btu/h)	3120	5350	8123	11575	15847	21093	27476	35164
	Power Input	(W)	931	1133	1329	1520	1706	1888	2067	2243
	Amps	(A)	1.29	1.63	1.95	2.26	2.54	2.81	3.06	3.29
120	Refrig. Capacity	(Btu/h)		4043	6515	9566	13336	17977	23654	30541
	Power Input	(W)		1118	1356	1591	1823	2053	2281	2508
	Amps	(A)		1.59	1.97	2.34	2.68	3.01	3.32	3.62
140	Refrig. Capacity	(Btu/h)			4572	7121	10255	14124	18894	24745
	Power Input	(W)			1348	1649	1948	2248	2548	2850
	Amps	(A)			1.98	2.43	2.86	3.27	3.66	4.03



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380-420V 3~ 50Hz / 460V 3~ 60 Hz

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Conditions DEW

Evaporating : 20 °F
Superheat : 32 °F

50HZ R-513A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	4040	6267	9007	12356	16419	21305	27131	34018
	Power Input	(W)	874	1011	1135	1253	1372	1496	1632	1785
	Amps	(A)	1.55	1.83	2.09	2.32	2.55	2.77	3.01	3.26
105	Refrig. Capacity	(Btu/h)	2869	4853	7294	10290	13944	18367	23681	30013
	Power Input	(W)	845	1019	1180	1333	1484	1640	1806	1988
	Amps	(A)	1.41	1.77	2.1	2.4	2.69	2.96	3.24	3.54
120	Refrig. Capacity	(Btu/h)		3600	5716	8329	11542	15470	20236	25977
	Power Input	(W)		992	1195	1388	1579	1772	1973	2190
	Amps	(A)		1.69	2.1	2.47	2.82	3.16	3.49	3.83
140	Refrig. Capacity	(Btu/h)			3940	6004	8587	11806	15790	20686
	Power Input	(W)			1172	1429	1681	1933	2192	2464
	Amps	(A)			2.07	2.55	2.99	3.41	3.82	4.23

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60HZ R-513A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	4784	7419	10660	14623	19428	25206	32095	40239
	Power Input	(W)	1054	1224	1377	1522	1667	1818	1984	2172
	Amps	(A)	1.55	1.83	2.09	2.32	2.55	2.77	3.01	3.26
105	Refrig. Capacity	(Btu/h)	3394	5741	8631	12175	16498	21730	28016	35506
	Power Input	(W)	1013	1231	1430	1618	1802	1991	2190	2410
	Amps	(A)	1.41	1.77	2.1	2.4	2.69	2.96	3.24	3.54
120	Refrig. Capacity	(Btu/h)		4256	6760	9853	13656	18305	23945	30739
	Power Input	(W)		1194	1447	1686	1919	2152	2395	2653
	Amps	(A)		1.69	2.1	2.47	2.82	3.16	3.49	3.83
140	Refrig. Capacity	(Btu/h)			4658	7102	10161	13974	18693	24492
	Power Input	(W)			1411	1731	2041	2349	2661	2986
	Amps	(A)			2.07	2.55	2.99	3.41	3.82	4.23