



tecumseh

FH4518Y-XC3A

220 - 240V 1~ 50 Hz

Compressor

HBP

R-134a / R-513A

Voltage Code : XC

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	3966	13524	70 dBA
R-513A	50HZ	4036	13763	

(*) 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	30.3 kg (67 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)	48.5
Horse Power	1-1/4
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	CSR
Main Winding (Ohm)	1.95
Start Winding (Ohm)	5.51
Current RLA 50Hz (A)	6.72
Current MCC (A)	10.7
Current LRA (A)	40
Start Capacitor	88-101 µF / 330 V
Run Capacitor	35 µF / 400 V
Overload	15HM1707-43
- Time Check	2.0-10s / 37 A
- Open Temp / Close Temp	110 °C / 69 °C
Potential Relay	RVA 4G3D
- Pick Up / Drop Out	180-195 V / 40-105 V

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



tecumseh

FH4518Y-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-134a

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1059	1523	2090	2778	3604	4584	5735	7074	8618
	Power Input (W)	604	704	793	875	952	1029	1109	1196	1293
	Amps (A)	2.92	3.38	3.82	4.22	4.6	4.94	5.26	5.55	5.81
40	Refrig. Capacity (Watt)	777	1193	1687	2277	2979	3810	4787	5928	7248
	Power Input (W)	579	716	839	949	1051	1149	1246	1345	1450
	Amps (A)	2.72	3.31	3.88	4.41	4.92	5.4	5.85	6.27	6.66
50	Refrig. Capacity (Watt)		892	1332	1843	2441	3143	3966	4927	6043
	Power Input (W)		685	851	1002	1140	1269	1393	1515	1640
	Amps (A)		3.22	3.91	4.58	5.22	5.83	6.41	6.96	7.49
60	Refrig. Capacity (Watt)			1006	1457	1971	2564	3252	4054	4985
	Power Input (W)			819	1020	1204	1376	1538	1695	1850
	Amps (A)			3.93	4.73	5.5	6.24	6.95	7.64	8.29

© 2025 Tecumseh Products Company

50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1219	1722	2318	3020	3840	4792	5888	7140	8563
	Power Input (W)	671	772	859	937	1014	1097	1194	1311	1456
	Amps (A)	3.24	3.71	4.13	4.52	4.9	5.27	5.66	6.08	6.55
40	Refrig. Capacity (Watt)	875	1320	1839	2446	3154	3975	4922	6008	7246
	Power Input (W)	631	778	903	1012	1112	1211	1317	1435	1574
	Amps (A)	2.96	3.6	4.17	4.7	5.2	5.69	6.18	6.69	7.23
50	Refrig. Capacity (Watt)		973	1421	1938	2537	3233	4036	4961	6020
	Power Input (W)		729	907	1062	1200	1331	1459	1594	1741
	Amps (A)		3.42	4.17	4.85	5.5	6.12	6.72	7.33	7.95
60	Refrig. Capacity (Watt)			1069	1501	1998	2572	3237	4004	4888
	Power Input (W)			855	1070	1263	1439	1606	1772	1943
	Amps (A)			4.1	4.96	5.77	6.53	7.26	7.98	8.71