



# Tecumseh

Compressor  
Voltage Code : XC

## FH4538Z-XC3A

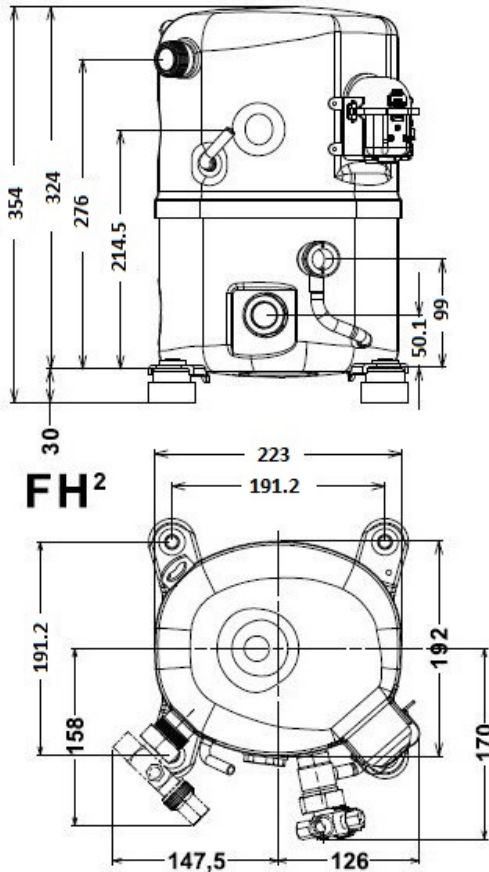
High Temp. Commercial (HP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

## FH4538ZXC3A

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN12900 / R452A	50 Hz	8046	27435	75 dBA
EN12900 / R404A	50 Hz	8030	27382	75 dBA
EN12900 / R448A	50 Hz	8028	27376	75 dBA
EN12900 / R449A	50 Hz	8058	27477	75 dBA



<b>Displacement (cc)</b>	63.0
<b>Net Weight (Kg)</b>	30.0
<b>Oil Quantity (cc)</b>	1140.0
<b>Oil Type</b>	Polyolester
<b>Expansion Device</b>	Capillary_Tube/Expansion_Valve
<b>Cooling</b>	Fan
<b>Main Winding (Ohm)</b>	0.79
<b>Start Winding (Ohm)</b>	2.71
<b>Current</b>	
RLA (A)	16
MCC (A)	26
LRA (A)	78
<b>Electrical Equipment</b>	CSR
<b>Overload</b>	Interne
<b>Start Capacitor</b>	156 µF / 330 V
<b>Run Capacitor</b>	50 µF / 400 V
<b>Potential Relay</b>	RVA4G**
Pick Up	180/195V
Drop Out	40/105V
<b>Refrigerating connection for OD</b>	
Suction Tube	22.2 (7/8")
Discharge Tube	12.7 (1/2")
Process Tube	6.35 (1/4")

\* EN12900 : T°Cond. 50.0°C / T°Evap. 5.0°C / T°Return gas temp.. 20.0°C  
T°Subcooling. 0.0K

Certificates :



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



**Tecumseh**

<b>FH4538Z-XC3A</b>	<b>Tension XC : 220 - 240V 1~ 50 Hz</b>
---------------------	---

Les performances sont données dans les <b>conditions EN12900</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	0.0 K
The performance data are in <b>EN12900 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	0.0 K

<b>50 Hz R452A</b>											
											<b>N°User-321</b>
4   T condensation	5   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>30</b>	1   P frigorifique	(Watt)	2886	3855	4980	6287	7801	9550	11558	13851	16457
	2   P absorbée	(W)	1528	1722	1892	2038	2164	2270	2358	2431	2489
	3   I absorbée	(A)	7.89	8.59	9.29	9.96	10.6	11.1	11.4	11.7	11.7
<b>40</b>	1   P frigorifique	(Watt)		3099	4115	5272	6597	8115	9853	11835	14090
	2   P absorbée	(W)		1800	2034	2244	2431	2598	2746	2876	2991
	3   I absorbée	(A)		9.00	9.90	10.8	11.6	12.4	13.1	13.6	14.0
<b>50</b>	1   P frigorifique	(Watt)			3215	4206	5324	6595	8046	9701	11587
	2   P absorbée	(W)			2109	2389	2644	2878	3092	3287	3465
	3   I absorbée	(A)			10.3	11.4	12.6	13.6	14.6	15.5	16.2
<b>60</b>	1   P frigorifique	(Watt)				3121	4016	5023	6169	7480	8981
	2   P absorbée	(W)				2472	2802	3110	3395	3661	3909
	3   I absorbée	(A)				11.8	13.2	14.6	16.0	17.2	18.4

<b>50 Hz R404A</b>											
											<b>N°User-320</b>
4   T condensation	5   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>30</b>	1   P frigorifique	(Watt)	3111	4068	5186	6490	8002	9748	11751	14035	16624
	2   P absorbée	(W)	1638	1833	2003	2148	2267	2360	2425	2463	2472
	3   I absorbée	(A)	8.17	8.90	9.61	10.3	10.9	11.3	11.7	11.9	11.9
<b>40</b>	1   P frigorifique	(Watt)	2429	3306	4301	5439	6742	8236	9943	11889	14096
	2   P absorbée	(W)	1669	1922	2152	2360	2544	2705	2841	2952	3037
	3   I absorbée	(A)	8.38	9.33	10.3	11.2	12.0	12.7	13.4	13.9	14.2
<b>50</b>	1   P frigorifique	(Watt)		2517	3374	4329	5408	6633	8030	9621	11431
	2   P absorbée	(W)		1960	2248	2516	2764	2991	3196	3378	3538
	3   I absorbée	(A)		9.53	10.7	11.9	13.0	14.1	15.0	15.8	16.5
<b>60</b>	1   P frigorifique	(Watt)			2438	3196	4034	4976	6046	7268	8665
	2   P absorbée	(W)			2310	2637	2946	3237	3508	3760	3992
	3   I absorbée	(A)			10.8	12.3	13.8	15.1	16.4	17.6	18.6

1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = evaporating temperature

**Nota : Tecumseh se réserve le droit de modifier les informations contenues dans ce document sans préavis.**

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

© 2020 Tecumseh Products Company  
All rights reserved



**Tecumseh**

<b>FH4538Z-XC3A</b>	<b>Tension XC : 220 - 240V 1~ 50 Hz</b>
---------------------	---

Les performances sont données dans les <b>conditions EN12900</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	0.0 K
The performance data are in <b>EN12900 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	0.0 K

<b>50 Hz R448A (*)</b>											
											<b>N°User-323</b>
4   T condensation	5   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>30</b>	1   P frigorifique	(Watt)	2526	3441	4524	5802	7304	9057	11090	13430	16106
	2   P absorbée	(W)	1445	1620	1778	1917	2035	2130	2200	2242	2256
	3   I absorbée	(A)	7.19	7.86	8.52	9.16	9.74	10.2	10.6	10.8	10.9
<b>40</b>	1   P frigorifique	(Watt)		2808	3789	4930	6259	7805	9595	11657	14020
	2   P absorbée	(W)		1705	1917	2112	2290	2449	2585	2697	2784
	3   I absorbée	(A)		8.27	9.14	10.00	10.8	11.6	12.2	12.7	13.0
<b>50</b>	1   P frigorifique	(Watt)			3024	4017	5164	6491	8028	9802	11842
	2   P absorbée	(W)			2006	2263	2504	2729	2936	3121	3283
	3   I absorbée	(A)			9.58	10.7	11.8	12.9	13.8	14.6	15.3
<b>60</b>	1   P frigorifique	(Watt)				3110	4062	5161	6434	7909	9614
	2   P absorbée	(W)				2374	2682	2977	3257	3519	3761
	3   I absorbée	(A)				11.1	12.5	14.0	15.3	16.5	17.6

<b>50 Hz R449A (*)</b>											
											<b>N°User-322</b>
4   T condensation	5   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>30</b>	1   P frigorifique	(Watt)	2569	3484	4566	5843	7344	9096	11127	13466	16141
	2   P absorbée	(W)	1441	1617	1776	1916	2035	2130	2201	2245	2259
	3   I absorbée	(A)	7.19	7.85	8.52	9.16	9.74	10.2	10.6	10.8	10.9
<b>40</b>	1   P frigorifique	(Watt)		2849	3829	4968	6296	7840	9629	11690	14051
	2   P absorbée	(W)		1701	1914	2111	2290	2450	2587	2700	2788
	3   I absorbée	(A)		8.26	9.14	9.99	10.8	11.5	12.2	12.7	13.0
<b>50</b>	1   P frigorifique	(Watt)			3061	4053	5197	6523	8058	9830	11867
	2   P absorbée	(W)			2003	2261	2504	2730	2938	3125	3288
	3   I absorbée	(A)			9.57	10.7	11.8	12.9	13.8	14.6	15.3
<b>60</b>	1   P frigorifique	(Watt)				3141	4091	5188	6459	7931	9634
	2   P absorbée	(W)				2371	2682	2979	3260	3523	3767
	3   I absorbée	(A)				11.1	12.5	13.9	15.3	16.5	17.6

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = evaporating temperature**

(\*) Veuillez vous référer strictement aux Recommandations d'Utilisation et Bulletins Marketing Tecumseh du fait de la température de reflux élevée pour les applications LBP.  
 (\*) Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.

**Nota : Tecumseh se réserve le droit de modifier les informations contenues dans ce document sans préavis.**

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

© 2020 Tecumseh Products Company  
All rights reserved