



Condensing unit  
Voltage Code : XG

# FHT4538ZHR-XG

High Temp. Commercial (HP)

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

R452A / R404A / R448A / R449A

FHT4538ZHR-XG

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz	4912	16750	81 dBA
EN13215 / R404A	50 Hz	5310	18109	81 dBA
EN13215 / R448A	50 Hz	4791	16337	81 dBA
EN13215 / R449A	50 Hz	4781	16302	81 dBA

<b>Net Weight (Kg)</b>	64.0
<b>Expansion device</b>	Expansion_Valve
<b>Air Flow (m³/h)</b>	3300
<b>Compo Data Sheet</b>	2590
<b>Elec Comp Type</b>	TRI
<b>Current (Amp)</b>	
Load Rated Amp	6.9
Max Cont Current	9.7
Lock Rotor Amp	46
<b>Fan</b>	
Speed (rpm)	1360
Power (W)	280.0
Diameter (mm)	420
Protection	Overload
IP Level	IP54
<b>Condenser</b>	M420/24000
<b>Liquid Receiver</b>	
Capacity (L)	3.9
Maximum Pressure (Bars)	32.0
<b>Suction Line</b>	
Suction Type	Vanne Orientable
For Tubing Out Diam	22.2 (7/8")
Suction Connection Type	Brased
<b>Liquid Line</b>	
Liquid Line Type	Vanne Orientable
For Tubing Out Diam	12.7 (1/2")
Liquid Connecton Type	Brased
<b>Connection Type</b>	VR
<b>Fan Guard</b>	maille < à 8mm

\* EN13215 : T°Ambient 32.0°C / T°Evap. -10.0°C / T°Return gas temp.. 20.0°C  
T°Subcooling. 3.0K

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<b>FHT4538ZHR-XG</b>	<b>Tension XG : 380-420V 3~ 50Hz / 460V 3~ 60 Hz</b>
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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

<b>50 Hz R452A</b>											
											<b>N°User-311</b>
5   T ambience	6   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>25</b>	1   P frigorifique	(Watt)	2743	3597	4537	5556	6643	7783	8963	10170	11401
	2   P absorbée	(W)	1697	1937	2184	2441	2706	2981	3266	3563	3870
	3   I absorbée	(A)	4.60	4.93	5.26	5.60	5.96	6.34	6.75	7.20	7.68
	4   Tc	(°C)	29.6	31.5	33.6	36.0	38.5	41.2	44.0	47.0	50.1
<b>32</b>	1   P frigorifique	(Watt)		3087	3970	4912	5905	6941	8013	9116	10257
	2   P absorbée	(W)		1975	2248	2528	2817	3114	3420	3733	4055
	3   I absorbée	(A)		4.94	5.33	5.72	6.13	6.55	6.99	7.46	7.96
	4   Tc	(°C)		37.6	39.6	41.8	44.2	46.7	49.3	52.0	54.8
<b>43</b>	1   P frigorifique	(Watt)			3066	3889	4741	5621	6534	7494	
	2   P absorbée	(W)			2316	2637	2964	3298	3637	3980	
	3   I absorbée	(A)			5.38	5.87	6.35	6.84	7.34	7.86	
	4   Tc	(°C)			49.1	51.1	53.2	55.4	57.6	60.0	

<b>50 Hz R404A</b>											
											<b>N°User-310</b>
5   T ambience	6   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>25</b>	1   P frigorifique	(Watt)	3144	3995	4943	5977	7080	8236	9423	10627	11835
	2   P absorbée	(W)	1769	1998	2233	2473	2719	2972	3231	3497	3771
	3   I absorbée	(A)	4.81	5.10	5.39	5.69	6.01	6.35	6.72	7.11	7.54
	4   Tc	(°C)	30.2	32.0	34.1	36.3	38.8	41.4	44.2	47.0	49.9
<b>32</b>	1   P frigorifique	(Watt)		3486	4366	5310	6307	7343	8405	9484	10580
	2   P absorbée	(W)		2051	2309	2574	2844	3119	3399	3684	3973
	3   I absorbée	(A)		5.13	5.47	5.83	6.19	6.57	6.97	7.39	7.84
	4   Tc	(°C)		38.1	40.1	42.2	44.5	46.9	49.4	52.0	54.6
<b>43</b>	1   P frigorifique	(Watt)			3430	4237	5069	5923	6796	7692	8634
	2   P absorbée	(W)			2408	2709	3016	3327	3641	3956	4272
	3   I absorbée	(A)			5.59	6.02	6.45	6.90	7.35	7.82	8.30
	4   Tc	(°C)			49.4	51.4	53.4	55.5	57.7	59.9	62.1

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature**

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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

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### 50 Hz R448A (\*)

N°User-313

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	2489	3333	4292	5366	6553	7846	9237	10714	12266
	2   P absorbée	(W)	1614	1827	2049	2279	2518	2765	3022	3291	3573
	3   I absorbée	(A)	4.43	4.71	5.00	5.30	5.62	5.96	6.34	6.74	7.19
	4   Tc	(°C)	27.9	29.5	31.3	33.3	35.5	38.0	40.6	43.5	46.5
<b>32</b>	1   P frigorifique	(Watt)		2891	3792	4791	5887	7077	8355	9715	11152
	2   P absorbée	(W)		1875	2119	2375	2639	2914	3198	3494	3802
	3   I absorbée	(A)		4.74	5.08	5.43	5.80	6.19	6.61	7.06	7.54
	4   Tc	(°C)		35.7	37.4	39.4	41.5	43.8	46.2	48.9	51.7
<b>43</b>	1   P frigorifique	(Watt)			2987	3872	4830	5863	6970		
	2   P absorbée	(W)			2209	2504	2810	3129	3457		
	3   I absorbée	(A)			5.18	5.62	6.07	6.54	7.03		
	4   Tc	(°C)			47.2	49.0	50.9	52.9	55.1		

### 50 Hz R449A (\*)

N°User-312

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	2487	3330	4286	5356	6538	7825	9207	10673	12213
	2   P absorbée	(W)	1615	1828	2050	2281	2521	2770	3030	3301	3587
	3   I absorbée	(A)	4.43	4.71	5.00	5.30	5.62	5.97	6.35	6.76	7.21
	4   Tc	(°C)	28.0	29.6	31.4	33.4	35.7	38.2	40.8	43.7	46.7
<b>32</b>	1   P frigorifique	(Watt)		2886	3786	4781	5871	7054	8324	9674	11098
	2   P absorbée	(W)		1875	2121	2377	2643	2919	3206	3504	3815
	3   I absorbée	(A)		4.74	5.08	5.44	5.81	6.20	6.62	7.07	7.56
	4   Tc	(°C)		35.8	37.5	39.5	41.6	43.9	46.4	49.1	51.9
<b>43</b>	1   P frigorifique	(Watt)			2979	3860	4813	5838	6937		
	2   P absorbée	(W)			2210	2505	2814	3133	3464		
	3   I absorbée	(A)			5.19	5.62	6.07	6.54	7.04		
	4   Tc	(°C)			47.3	49.1	51.0	53.1	55.3		

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = 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.

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