



Condensing unit
Voltage Code : XG

SILFH4538Z-XG

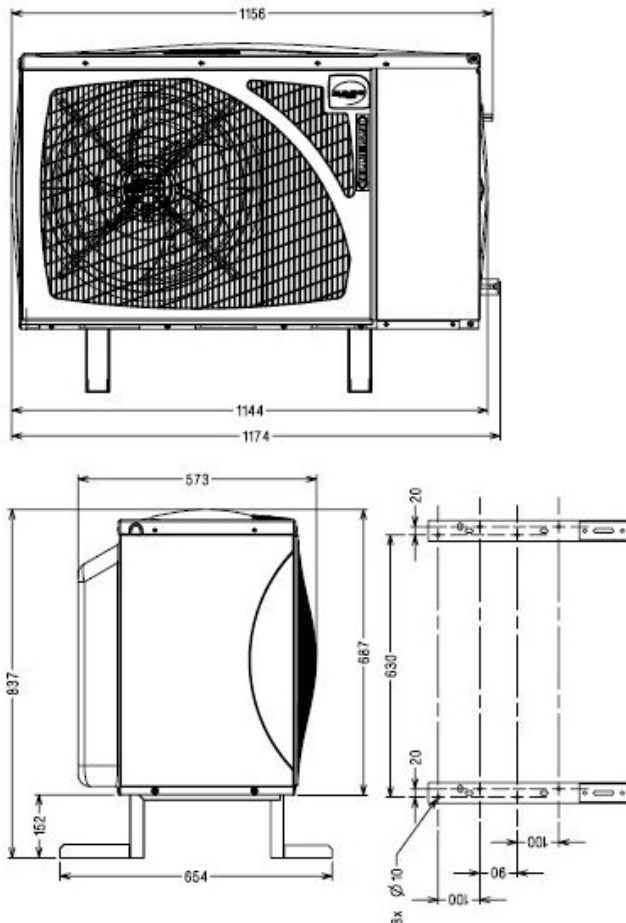
High Temp. Commercial (HP)

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

R452A / R404A / R448A / R449A

SILFH4538Z-XG

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz	4935	16829	68 dBA
EN13215 / R404A	50 Hz	5337	18198	68 dBA
EN13215 / R448A	50 Hz	4802	16375	68 dBA
EN13215 / R449A	50 Hz	4792	16342	68 dBA



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

Net Weight (Kg)	88.0
Expansion device	Expansion_Valve
Air Flow (m³/h)	2970
Elec Comp Type	TRI
Current (Amp)	
Load Rated Amp	6.9
Max Cont Current	9.7
Lock Rotor Amp	46
Fan	
Speed (rpm)	830 / 830
Power (W)	90.0
Diameter (mm)	450
Protection	Electronic
IP Level	IP44
Condenser	450/17000
Liquid Receiver	
Capacity (L)	3.9
Maximum Pressure (Bars)	32.0
Suction Line	
Suction Type	Tube / Tube
For Tubing Out Diam	22.2 (7/8")
Suction Connection Type	Brased
Liquid Line	
Liquid Line Type	Tube
For Tubing Out Diam	12.7 (1/2")
Liquid Connecton Type	Brased
Heat recovery pipes	
Component/ Type of connexion	NA
For tube Outside diameter :	NA
Fan Guard	maille < à 8mm

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



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SILFH4538Z-XG	Tension XG : 380-420V 3~ 50Hz / 460V 3~ 60 Hz
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Les performances sont données dans les conditions EN13215 :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in EN13215 conditions :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

50 Hz R452A											
											N°6674
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	2718	3580	4528	5554	6646	7793	8980	10195	11436
	2 P absorbée	(W)	1568	1809	2057	2313	2578	2853	3138	3434	3740
	3 I absorbée	(A)	4.15	4.48	4.81	5.15	5.51	5.89	6.31	6.75	7.23
	4 Tc	(°C)	29.8	31.6	33.7	35.9	38.4	41.1	43.9	46.8	49.9
32	1 P frigorifique	(Watt)		3091	3984	4935	5938	6982	8060	9168	10313
	2 P absorbée	(W)		1845	2117	2396	2684	2980	3285	3599	3921
	3 I absorbée	(A)		4.49	4.88	5.27	5.67	6.09	6.54	7.01	7.51
	4 Tc	(°C)		37.5	39.4	41.6	43.9	46.4	49.0	51.7	54.5
43	1 P frigorifique	(Watt)			3116	3954	4819	5710	6629	7588	
	2 P absorbée	(W)			2183	2501	2826	3158	3496	3839	
	3 I absorbée	(A)			4.93	5.41	5.89	6.37	6.87	7.39	
	4 Tc	(°C)			48.5	50.4	52.5	54.8	57.1	59.5	

50 Hz R404A											
											N°6664
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	3125	3983	4938	5977	7087	8247	9442	10656	11881
	2 P absorbée	(W)	1641	1870	2105	2345	2591	2843	3102	3368	3640
	3 I absorbée	(A)	4.36	4.65	4.94	5.24	5.56	5.90	6.27	6.66	7.09
	4 Tc	(°C)	30.3	32.1	34.1	36.3	38.7	41.3	44.0	46.8	49.7
32	1 P frigorifique	(Watt)		3493	4383	5337	6341	7385	8453	9539	10645
	2 P absorbée	(W)		1921	2178	2441	2710	2985	3265	3550	3838
	3 I absorbée	(A)		4.68	5.02	5.37	5.73	6.11	6.51	6.94	7.38
	4 Tc	(°C)		37.9	39.8	41.9	44.2	46.6	49.1	51.7	54.4
43	1 P frigorifique	(Watt)			3484	4305	5150	6013	6891	7789	8727
	2 P absorbée	(W)			2273	2572	2876	3186	3499	3815	4132
	3 I absorbée	(A)			5.13	5.56	5.99	6.43	6.88	7.35	7.84
	4 Tc	(°C)			48.9	50.8	52.8	54.9	57.1	59.4	61.7

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 conditions EN13215 :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in EN13215 conditions :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

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50 Hz R448A (*)

N°7231

5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	2460	3310	4273	5353	6547	7849	9247	10730	12285
	2 P absorbée	(W)	1487	1700	1923	2153	2391	2637	2894	3162	3446
	3 I absorbée	(A)	3.98	4.26	4.55	4.85	5.17	5.52	5.89	6.30	6.75
	4 Tc	(°C)	28.3	29.7	31.4	33.3	35.5	37.9	40.5	43.3	46.3
32	1 P frigorifique	(Watt)		2883	3794	4802	5909	7110	8399	9767	11205
	2 P absorbée	(W)		1746	1990	2244	2507	2780	3063	3357	3666
	3 I absorbée	(A)		4.29	4.63	4.98	5.35	5.74	6.15	6.60	7.08
	4 Tc	(°C)		35.8	37.4	39.2	41.2	43.4	45.9	48.5	51.4
43	1 P frigorifique	(Watt)			3022	3923	4897	5946	7068	8260	
	2 P absorbée	(W)			2076	2368	2671	2986	3311	3649	
	3 I absorbée	(A)			4.73	5.16	5.60	6.07	6.55	7.06	
	4 Tc	(°C)			46.7	48.4	50.2	52.2	54.5	56.8	

50 Hz R449A (*)

N°7232

5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	2458	3306	4268	5344	6533	7828	9218	10690	12233
	2 P absorbée	(W)	1487	1701	1924	2155	2394	2643	2902	3173	3460
	3 I absorbée	(A)	3.98	4.26	4.55	4.86	5.18	5.53	5.90	6.31	6.77
	4 Tc	(°C)	28.4	29.8	31.5	33.5	35.6	38.1	40.7	43.5	46.6
32	1 P frigorifique	(Watt)		2880	3787	4792	5894	7088	8368	9725	11150
	2 P absorbée	(W)		1746	1991	2246	2510	2785	3070	3368	3680
	3 I absorbée	(A)		4.29	4.63	4.99	5.35	5.74	6.16	6.61	7.10
	4 Tc	(°C)		35.8	37.4	39.3	41.3	43.6	46.1	48.8	51.6
43	1 P frigorifique	(Watt)			3015	3911	4880	5922	7035	8215	
	2 P absorbée	(W)			2077	2369	2674	2990	3318	3659	
	3 I absorbée	(A)			4.73	5.16	5.61	6.07	6.56	7.08	
	4 Tc	(°C)			46.8	48.5	50.3	52.4	54.6	57.0	

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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