



Condensing unit
Voltage Code : TX

SILFH4544Z-TX

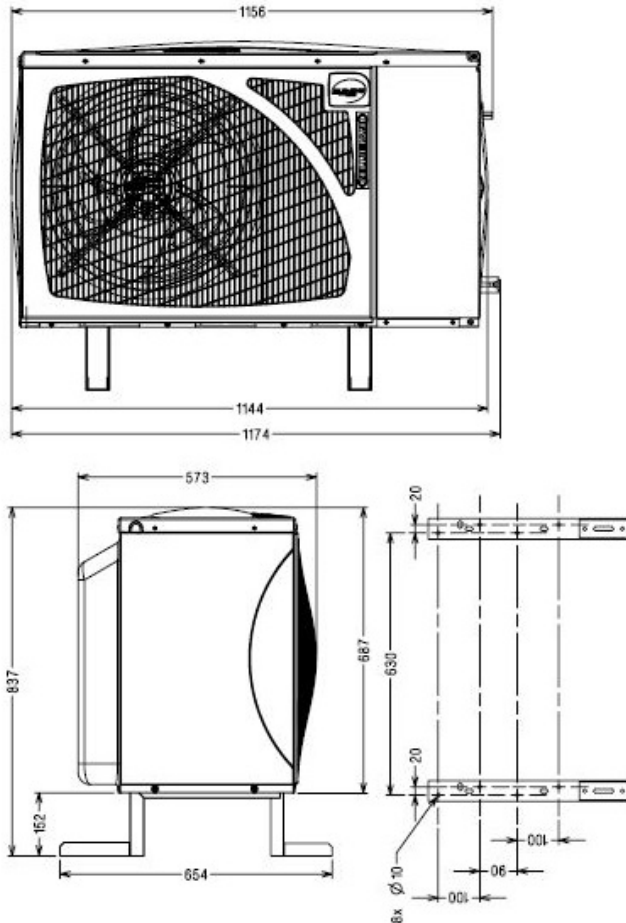
High Temp. Commercial (HP)

400V 3~ 50Hz

R452A / R404A / R448A / R449A

SILFH4544Z-TX

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz	5490	18719	68 dBA
EN13215 / R404A	50 Hz	5943	20266	68 dBA
EN13215 / R448A	50 Hz	5287	18028	68 dBA
EN13215 / R449A	50 Hz	5274	17985	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)	90.0
Expansion device	Expansion_Valve
Air Flow (m³/h)	2970
Elec Comp Type	TRI
Current (Amp)	
Load Rated Amp	7,5
Max Cont Current	12,8
Lock Rotor Amp	43
Fan	
Speed (rpm)	830 / 830
Power (W)	90.0
Diameter (mm)	450
Protection	Electronic
IP Level	IP44
Condenser	450/22000
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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SILFH4544Z-TX	Tension TX : 400V 3~ 50Hz
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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 R452A											
											N°7314
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	3049	4035	5099	6233	7425	8658	9906	11140	12329
	2 P absorbée	(W)	1814	2129	2438	2744	3053	3370	3700	4048	4419
	3 I absorbée	(A)	4.57	4.92	5.27	5.64	6.02	6.42	6.86	7.33	7.84
	4 Tc	(°C)	29.7	31.7	33.8	36.1	38.5	41.2	44.1	47.2	50.6
32	1 P frigorifique	(Watt)		3440	4440	5490	6581	7702	8839	9974	11093
	2 P absorbée	(W)		2130	2476	2817	3156	3498	3848	4210	4588
	3 I absorbée	(A)		4.92	5.32	5.74	6.16	6.60	7.06	7.55	8.07
	4 Tc	(°C)		37.7	39.8	42.0	44.3	46.8	49.4	52.2	55.3
43	1 P frigorifique	(Watt)			3417	4334	5269	6224	7200	8203	
	2 P absorbée	(W)			2495	2894	3285	3671	4055	4442	
	3 I absorbée	(A)			5.32	5.82	6.32	6.83	7.34	7.86	
	4 Tc	(°C)			49.2	51.3	53.4	55.6	57.8	60.1	

50 Hz R404A											
											N°7313
5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	3515	4508	5586	6738	7948	9190	10434	11643	12778
	2 P absorbée	(W)	1948	2254	2553	2848	3144	3446	3759	4086	4433
	3 I absorbée	(A)	4.85	5.17	5.50	5.84	6.20	6.57	6.98	7.41	7.88
	4 Tc	(°C)	31.1	33.0	35.1	37.3	39.7	42.3	45.1	48.1	51.4
32	1 P frigorifique	(Watt)		3887	4889	5943	7036	8153	9272	10370	11427
	2 P absorbée	(W)		2269	2603	2932	3259	3586	3918	4259	4612
	3 I absorbée	(A)		5.20	5.57	5.96	6.35	6.77	7.20	7.65	8.13
	4 Tc	(°C)		39.1	41.1	43.2	45.5	47.8	50.4	53.1	55.9
43	1 P frigorifique	(Watt)			3781	4681	5593	6517	7449	8389	
	2 P absorbée	(W)			2658	3040	3414	3783	4148	4512	
	3 I absorbée	(A)			5.64	6.09	6.56	7.03	7.50	7.99	
	4 Tc	(°C)			50.6	52.6	54.6	56.6	58.7	60.8	

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

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Tecumseh

SILFH4544Z-TX	Tension TX : 400V 3~ 50Hz
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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°7316

5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	2699	3678	4762	5955	7255	8655	10139	11685	13266
	2 P absorbée	(W)	1723	2009	2290	2570	2852	3142	3445	3766	4113
	3 I absorbée	(A)	4.37	4.67	4.99	5.33	5.68	6.05	6.45	6.89	7.37
	4 Tc	(°C)	28.9	30.4	32.1	34.0	36.1	38.4	41.1	44.0	47.2
32	1 P frigorifique	(Watt)		3152	4175	5287	6487	7772	9131	10546	11998
	2 P absorbée	(W)		2022	2337	2651	2966	3288	3619	3967	4337
	3 I absorbée	(A)		4.70	5.06	5.44	5.84	6.25	6.70	7.17	7.69
	4 Tc	(°C)		36.7	38.3	40.1	42.2	44.4	46.8	49.6	52.6
43	1 P frigorifique	(Watt)			3259	4246	5293	6403	7572		
	2 P absorbée	(W)			2385	2753	3122	3494	3874		
	3 I absorbée	(A)			5.12	5.57	6.05	6.53	7.04		
	4 Tc	(°C)			48.1	49.8	51.7	53.7	55.9		

50 Hz R449A (*)

N°7315

5 T ambience	6 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
25	1 P frigorifique	(Watt)	2697	3674	4754	5943	7238	8629	10102	11634	13197
	2 P absorbée	(W)	1723	2009	2291	2572	2856	3148	3453	3777	4128
	3 I absorbée	(A)	4.37	4.67	4.99	5.33	5.68	6.06	6.46	6.90	7.39
	4 Tc	(°C)	28.9	30.5	32.2	34.1	36.3	38.6	41.3	44.2	47.5
32	1 P frigorifique	(Watt)		3147	4167	5274	6468	7745	9093	10496	11931
	2 P absorbée	(W)		2022	2338	2653	2970	3293	3627	3977	4351
	3 I absorbée	(A)		4.70	5.06	5.44	5.84	6.26	6.71	7.19	7.71
	4 Tc	(°C)		36.8	38.4	40.3	42.3	44.6	47.0	49.8	52.8
43	1 P frigorifique	(Watt)			3249	4231	5273	6374	7533		
	2 P absorbée	(W)			2385	2755	3125	3499	3881		
	3 I absorbée	(A)			5.12	5.58	6.05	6.54	7.05		
	4 Tc	(°C)			48.2	49.9	51.8	53.9	56.1		

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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