



Condensing unit
Voltage Code : XG

SILFH4532Z-XG

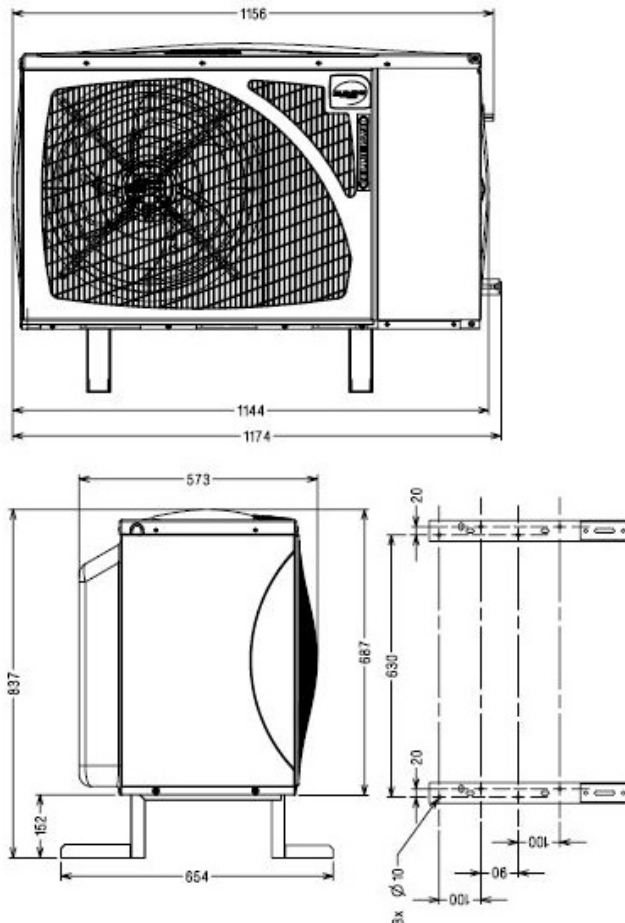
High Temp. Commercial (HP)

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

R452A / R404A / R448A / R449A

SILFH4532Z-XG

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|-----------------|-----------|--------------------------|-------|-------------------------------------|
| | | Watts | BTU/h | |
| EN13215 / R452A | 50 Hz | 3736 | 12740 | 65 dBA |
| EN13215 / R404A | 50 Hz | 4129 | 14080 | 65 dBA |
| EN13215 / R448A | 50 Hz | 3642 | 12420 | 65 dBA |
| EN13215 / R449A | 50 Hz | 3634 | 12392 | 65 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) | 86.0 |
| Expansion device | Expansion_Valve |
| Air Flow (m³/h) | 2700 |
| Elec Comp Type | TRI |
| Current (Amp) | |
| Load Rated Amp | 4.1 |
| Max Cont Current | 7.8 |
| Lock Rotor Amp | 30 |
| Fan | |
| Speed (rpm) | 830 / 830 |
| Power (W) | 95.0 |
| 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 |
| Connection Type | TT |
| Fan Guard | maille < à 8mm |

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



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| SILFH4532Z-XG | Tension XG : 380-420V 3~ 50Hz / 460V 3~ 60 Hz |
|----------------------|--|

| | | |
|--|------------------------|---------|
| 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°User-262

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 2090 | 2726 | 3437 | 4222 | 5078 | 6003 | 7000 | 8078 | 9253 |
| | 2 P absorbée | (W) | 1213 | 1403 | 1594 | 1788 | 1987 | 2190 | 2397 | 2609 | 2824 |
| | 3 I absorbée | (A) | 2.99 | 3.22 | 3.45 | 3.69 | 3.94 | 4.20 | 4.48 | 4.77 | 5.07 |
| | 4 Tc | (°C) | 29.1 | 31.3 | 33.6 | 36.0 | 38.4 | 40.7 | 43.1 | 45.4 | 47.6 |
| 32 | 1 P frigorifique | (Watt) | | 2351 | 3015 | 3736 | 4513 | 5347 | 6244 | 7212 | 8272 |
| | 2 P absorbée | (W) | | 1432 | 1644 | 1857 | 2074 | 2293 | 2516 | 2742 | 2971 |
| | 3 I absorbée | (A) | | 3.23 | 3.50 | 3.78 | 4.06 | 4.35 | 4.65 | 4.96 | 5.27 |
| | 4 Tc | (°C) | | 37.4 | 39.5 | 41.7 | 43.9 | 46.1 | 48.3 | 50.5 | 52.6 |
| 43 | 1 P frigorifique | (Watt) | | | 2359 | 2979 | 3635 | 4330 | 5073 | 5881 | 6779 |
| | 2 P absorbée | (W) | | | 1698 | 1946 | 2194 | 2443 | 2693 | 2944 | 3196 |
| | 3 I absorbée | (A) | | | 3.55 | 3.88 | 4.22 | 4.56 | 4.90 | 5.24 | 5.59 |
| | 4 Tc | (°C) | | | 48.8 | 50.7 | 52.7 | 54.7 | 56.6 | 58.6 | 60.4 |

50 Hz R404A

N°User-261

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 2431 | 3083 | 3825 | 4649 | 5550 | 6524 | 7569 | 8687 | 9888 |
| | 2 P absorbée | (W) | 1285 | 1467 | 1649 | 1833 | 2018 | 2206 | 2395 | 2585 | 2776 |
| | 3 I absorbée | (A) | 3.15 | 3.35 | 3.56 | 3.78 | 4.01 | 4.25 | 4.49 | 4.75 | 5.01 |
| | 4 Tc | (°C) | 29.7 | 31.9 | 34.0 | 36.3 | 38.5 | 40.8 | 43.0 | 45.2 | 47.4 |
| 32 | 1 P frigorifique | (Watt) | 2079 | 2695 | 3380 | 4129 | 4940 | 5809 | 6737 | 7729 | 8795 |
| | 2 P absorbée | (W) | 1307 | 1508 | 1709 | 1911 | 2114 | 2319 | 2524 | 2730 | 2936 |
| | 3 I absorbée | (A) | 3.15 | 3.39 | 3.63 | 3.88 | 4.14 | 4.40 | 4.67 | 4.95 | 5.24 |
| | 4 Tc | (°C) | 36.1 | 38.0 | 40.0 | 42.0 | 44.1 | 46.2 | 48.3 | 50.3 | 52.3 |
| 43 | 1 P frigorifique | (Watt) | | | 2674 | 3306 | 3975 | 4682 | 5429 | 6227 | 7091 |
| | 2 P absorbée | (W) | | | 1791 | 2023 | 2255 | 2487 | 2719 | 2951 | 3183 |
| | 3 I absorbée | (A) | | | 3.72 | 4.02 | 4.33 | 4.64 | 4.95 | 5.26 | 5.58 |
| | 4 Tc | (°C) | | | 49.3 | 51.0 | 52.9 | 54.7 | 56.5 | 58.4 | 60.2 |

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

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

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| SILFH4532Z-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 |

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50 Hz R448A (*)

N°User-264

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 1903 | 2539 | 3265 | 4085 | 5000 | 6013 | 7128 | 8357 | 9717 |
| | 2 P absorbée | (W) | 1150 | 1317 | 1487 | 1663 | 1845 | 2033 | 2227 | 2426 | 2628 |
| | 3 I absorbée | (A) | 2.87 | 3.07 | 3.27 | 3.48 | 3.72 | 3.96 | 4.22 | 4.49 | 4.77 |
| | 4 Tc | (°C) | 27.1 | 28.9 | 31.0 | 33.2 | 35.5 | 37.9 | 40.4 | 42.7 | 45.0 |
| 32 | 1 P frigorifique | (Watt) | | 2205 | 2884 | 3642 | 4483 | 5410 | 6430 | 7555 | 8804 |
| | 2 P absorbée | (W) | | 1354 | 1544 | 1738 | 1938 | 2145 | 2358 | 2576 | 2797 |
| | 3 I absorbée | (A) | | 3.10 | 3.33 | 3.58 | 3.84 | 4.12 | 4.41 | 4.70 | 5.01 |
| | 4 Tc | (°C) | | 35.4 | 37.2 | 39.2 | 41.4 | 43.6 | 45.8 | 48.1 | 50.2 |
| 43 | 1 P frigorifique | (Watt) | | | 2288 | 2951 | 3676 | 4471 | 5343 | 6307 | |
| | 2 P absorbée | (W) | | | 1617 | 1844 | 2076 | 2315 | 2560 | 2810 | |
| | 3 I absorbée | (A) | | | 3.42 | 3.72 | 4.03 | 4.36 | 4.69 | 5.04 | |
| | 4 Tc | (°C) | | | 47.0 | 48.7 | 50.6 | 52.5 | 54.6 | 56.6 | |

50 Hz R449A (*)

N°User-263

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 1901 | 2535 | 3260 | 4077 | 4989 | 5997 | 7108 | 8333 | 9688 |
| | 2 P absorbée | (W) | 1150 | 1317 | 1489 | 1665 | 1848 | 2037 | 2232 | 2432 | 2635 |
| | 3 I absorbée | (A) | 2.87 | 3.07 | 3.27 | 3.49 | 3.72 | 3.97 | 4.23 | 4.50 | 4.78 |
| | 4 Tc | (°C) | 27.2 | 29.0 | 31.1 | 33.3 | 35.7 | 38.1 | 40.5 | 42.9 | 45.2 |
| 32 | 1 P frigorifique | (Watt) | | 2201 | 2878 | 3634 | 4471 | 5394 | 6409 | 7529 | 8772 |
| | 2 P absorbée | (W) | | 1355 | 1545 | 1740 | 1941 | 2149 | 2363 | 2582 | 2805 |
| | 3 I absorbée | (A) | | 3.10 | 3.34 | 3.58 | 3.85 | 4.12 | 4.41 | 4.71 | 5.02 |
| | 4 Tc | (°C) | | 35.5 | 37.3 | 39.3 | 41.5 | 43.7 | 46.0 | 48.2 | 50.4 |
| 43 | 1 P frigorifique | (Watt) | | | 2282 | 2942 | 3664 | 4454 | 5320 | 6278 | |
| | 2 P absorbée | (W) | | | 1618 | 1845 | 2079 | 2319 | 2565 | 2816 | |
| | 3 I absorbée | (A) | | | 3.42 | 3.72 | 4.03 | 4.36 | 4.70 | 5.05 | |
| | 4 Tc | (°C) | | | 47.1 | 48.8 | 50.7 | 52.7 | 54.7 | 56.7 | |

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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