

Condensing unit
Voltage Code : TZ

TAJT4519ZHR-TZ

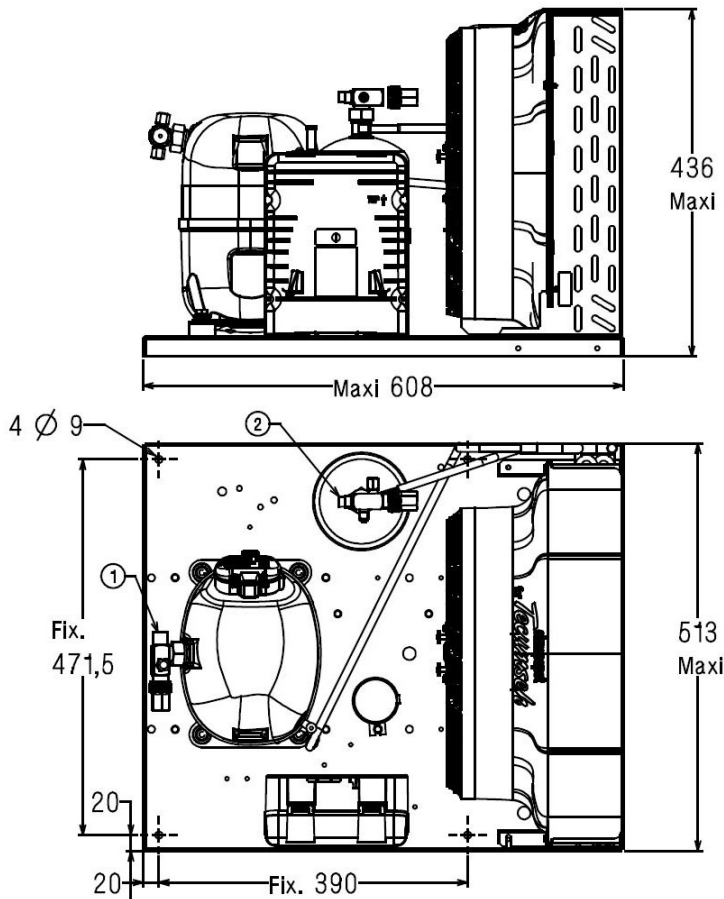
High Temp. Commercial HTA (HP)

400V 3~ 50Hz / 440V 3~ 60 Hz

R452A / R404A / R448A / R449A

TAJT4519ZHR-TZ

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|-----------------|---------------|--------------------------|---------------|-------------------------------------|
| | | Watts | BTU/h | |
| EN13215 / R452A | 50 Hz / 60 Hz | 2743 / 2922 | 9354 / 9963 | 71 dBA |
| EN13215 / R404A | 50 Hz / 60 Hz | 2968 / 3020 | 10122 / 10300 | 71 dBA |
| EN13215 / R448A | 50 Hz / 60 Hz | 2584 / 2896 | 8813 / 9874 | 71 dBA |
| EN13215 / R449A | 50 Hz / 60 Hz | 2586 / 2897 | 8817 / 9878 | 71 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) | 48.0 |
| Expansion device | Expansion_Valve |
| Air Flow (m³/h) | 1650 / 1730 |
| Compo Data Sheet | 224SU-TZ |
| Elec Comp Type | TRI |
| Current (Amp) | |
| Load Rated Amp | 4.5 4.5 |
| Max Cont Current | 6.6 6.8 |
| Lock Rotor Amp | 22.4 23.5 |
| Fan | |
| Speed (rpm) | 1350 / 1500 |
| Power (W) | 95.0 |
| Diameter (mm) | 350 |
| Protection | Overload |
| IP Level | IP44 |
| Condenser | M350/9100 |
| Liquid Receiver | |
| Capacity (L) | 2.35 |
| Maximum Pressure (Bars) | 32.0 |
| Suction Line | |
| Suction Type | Vanne Orientable |
| For Tubing Out Diam | 15.9 (5/8") |
| Suction Connection Type | Brased |
| Liquid Line | |
| Liquid Line Type | Vanne Orientable |
| For Tubing Out Diam | 9.5 (3/8") |
| Liquid Connecton Type | Brased |
| Heat recovery pipes | |
| Component/ Type of connexion | NA |
| For tube Outside diameter : | NA |



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|-----------------------|--|
| TAJT4519ZHR-TZ | Tension TZ : 400V 3~ 50Hz / 440V 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 |

| 50 Hz R452A | | | | | | | | | | | |
|--------------------|--------------------|--------|-----|------|------|------|------|------|------|------|---------------|
| | | | | | | | | | | | N°6786 |
| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 32 | 1 P frigorifique | (Watt) | | 1779 | 2241 | 2743 | 3280 | 3843 | 4416 | 4978 | 5502 |
| | 2 P absorbée | (W) | | 1226 | 1374 | 1529 | 1690 | 1863 | 2052 | 2262 | 2500 |
| | 3 I absorbée | (A) | | 3.12 | 3.31 | 3.52 | 3.75 | 4.01 | 4.31 | 4.65 | 5.04 |
| | 4 Tc | (°C) | | 37.2 | 38.8 | 40.5 | 42.4 | 44.6 | 47.1 | 50.0 | 53.3 |
| 38 | 1 P frigorifique | (Watt) | | | 1993 | 2456 | 2948 | 3462 | 3986 | 4505 | 4998 |
| | 2 P absorbée | (W) | | | 1410 | 1578 | 1754 | 1941 | 2142 | 2362 | 2609 |
| | 3 I absorbée | (A) | | | 3.35 | 3.59 | 3.85 | 4.14 | 4.45 | 4.81 | 5.22 |
| | 4 Tc | (°C) | | | 44.1 | 45.8 | 47.6 | 49.6 | 51.9 | 54.4 | 57.3 |
| 46 | 1 P frigorifique | (Watt) | | | | 2065 | 2499 | 2950 | 3413 | 3880 | |
| | 2 P absorbée | (W) | | | | 1631 | 1829 | 2037 | 2257 | 2494 | |
| | 3 I absorbée | (A) | | | | 3.70 | 3.99 | 4.31 | 4.65 | 5.03 | |
| | 4 Tc | (°C) | | | | 52.9 | 54.5 | 56.3 | 58.2 | 60.4 | |

| 60 Hz R452A | | | | | | | | | | | |
|--------------------|--------------------|--------|-----|-----|------|------|------|------|------|------|---------------|
| | | | | | | | | | | | N°6786 |
| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
| 32 | 1 P frigorifique | (Watt) | | | 2377 | 2922 | 3489 | 4072 | 4662 | 5240 | 5787 |
| | 2 P absorbée | (W) | | | 1626 | 1839 | 2049 | 2264 | 2493 | 2743 | 3023 |
| | 3 I absorbée | (A) | | | 3.30 | 3.58 | 3.87 | 4.18 | 4.52 | 4.90 | 5.32 |
| | 4 Tc | (°C) | | | 42.6 | 44.1 | 45.8 | 47.8 | 50.0 | 52.6 | 55.7 |
| 38 | 1 P frigorifique | (Watt) | | | 2069 | 2574 | 3093 | 3623 | 4157 | 4684 | 5191 |
| | 2 P absorbée | (W) | | | 1639 | 1875 | 2105 | 2336 | 2575 | 2831 | 3112 |
| | 3 I absorbée | (A) | | | 3.32 | 3.61 | 3.92 | 4.25 | 4.61 | 5.00 | 5.42 |
| | 4 Tc | (°C) | | | 48.4 | 49.9 | 51.4 | 53.2 | 55.2 | 57.6 | 60.3 |
| 46 | 1 P frigorifique | (Watt) | | | | 2100 | 2554 | 3013 | | | |
| | 2 P absorbée | (W) | | | | 1911 | 2171 | 2425 | | | |
| | 3 I absorbée | (A) | | | | 3.67 | 4.00 | 4.35 | | | |
| | 4 Tc | (°C) | | | | 57.7 | 59.1 | 60.6 | | | |

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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|-----------------------|--|
| TAJT4519ZHR-TZ | Tension TZ : 400V 3~ 50Hz / 440V 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 R404A

N°6784

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|-----|------|------|------|------|------|------|------|------|
| 32 | 1 P frigorifique | (Watt) | | 1991 | 2461 | 2968 | 3506 | 4060 | 4615 | 5147 | 5628 |
| | 2 P absorbée | (W) | | 1278 | 1425 | 1577 | 1737 | 1908 | 2094 | 2301 | 2534 |
| | 3 I absorbée | (A) | | 3.27 | 3.45 | 3.64 | 3.86 | 4.12 | 4.41 | 4.74 | 5.12 |
| | 4 Tc | (°C) | | 37.9 | 39.6 | 41.4 | 43.3 | 45.5 | 48.0 | 50.8 | 54.0 |
| 38 | 1 P frigorifique | (Watt) | | 1760 | 2196 | 2660 | 3148 | 3650 | 4155 | 4643 | 5096 |
| | 2 P absorbée | (W) | | 1310 | 1470 | 1635 | 1808 | 1991 | 2187 | 2403 | 2643 |
| | 3 I absorbée | (A) | | 3.30 | 3.50 | 3.72 | 3.97 | 4.25 | 4.55 | 4.90 | 5.29 |
| | 4 Tc | (°C) | | 43.2 | 44.9 | 46.6 | 48.5 | 50.5 | 52.7 | 55.2 | 58.0 |
| 46 | 1 P frigorifique | (Watt) | | | 1832 | 2240 | 2664 | 3100 | 3539 | 3975 | |
| | 2 P absorbée | (W) | | | 1516 | 1702 | 1895 | 2097 | 2311 | 2540 | |
| | 3 I absorbée | (A) | | | 3.59 | 3.85 | 4.13 | 4.43 | 4.76 | 5.13 | |
| | 4 Tc | (°C) | | | 52.0 | 53.6 | 55.3 | 57.0 | 58.9 | 60.9 | |

60 Hz R404A

N°6784

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|-----|------|------|------|------|------|------|------|------|
| 32 | 1 P frigorifique | (Watt) | | 1957 | 2483 | 3020 | 3568 | 4119 | 4658 | 5166 | 5613 |
| | 2 P absorbée | (W) | | 1486 | 1715 | 1930 | 2141 | 2355 | 2579 | 2821 | 3087 |
| | 3 I absorbée | (A) | | 3.21 | 3.46 | 3.73 | 4.02 | 4.33 | 4.67 | 5.03 | 5.43 |
| | 4 Tc | (°C) | | 44.1 | 45.4 | 46.9 | 48.6 | 50.6 | 52.9 | 55.6 | 58.7 |
| 38 | 1 P frigorifique | (Watt) | | | 2154 | 2651 | 3148 | 3640 | 4118 | 4565 | |
| | 2 P absorbée | (W) | | | 1732 | 1973 | 2204 | 2434 | 2669 | 2916 | |
| | 3 I absorbée | (A) | | | 3.49 | 3.78 | 4.09 | 4.41 | 4.76 | 5.13 | |
| | 4 Tc | (°C) | | | 51.0 | 52.4 | 54.0 | 55.8 | 57.9 | 60.3 | |
| 46 | 1 P frigorifique | (Watt) | | | | 2150 | 2579 | 2994 | | | |
| | 2 P absorbée | (W) | | | | 2018 | 2280 | 2534 | | | |
| | 3 I absorbée | (A) | | | | 3.85 | 4.18 | 4.53 | | | |
| | 4 Tc | (°C) | | | | 59.8 | 61.2 | 62.8 | | | |

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

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| TAJT4519ZHR-TZ | Tension TZ : 400V 3~ 50Hz / 440V 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 R448A (*)

N°7028

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|-----|------|------|------|------|------|------|------|------|
| 32 | 1 P frigorifique | (Watt) | | 1603 | 2069 | 2584 | 3146 | 3750 | 4387 | 5044 | 5702 |
| | 2 P absorbée | (W) | | 1157 | 1298 | 1446 | 1604 | 1776 | 1965 | 2177 | 2420 |
| | 3 I absorbée | (A) | | 2.95 | 3.13 | 3.34 | 3.57 | 3.83 | 4.13 | 4.48 | 4.89 |
| | 4 Tc | (°C) | | 36.1 | 37.6 | 39.3 | 41.3 | 43.4 | 45.9 | 48.7 | 51.9 |
| 38 | 1 P frigorifique | (Watt) | | | 1849 | 2331 | 2854 | 3415 | 4008 | 4624 | 5249 |
| | 2 P absorbée | (W) | | | 1335 | 1498 | 1671 | 1858 | 2061 | 2287 | 2543 |
| | 3 I absorbée | (A) | | | 3.19 | 3.42 | 3.68 | 3.97 | 4.29 | 4.66 | 5.08 |
| | 4 Tc | (°C) | | | 43.1 | 44.8 | 46.6 | 48.6 | 50.8 | 53.4 | 56.2 |
| 46 | 1 P frigorifique | (Watt) | | | | 1992 | 2465 | 2971 | | | |
| | 2 P absorbée | (W) | | | | 1554 | 1752 | 1963 | | | |
| | 3 I absorbée | (A) | | | | 3.54 | 3.83 | 4.16 | | | |
| | 4 Tc | (°C) | | | | 52.0 | 53.7 | 55.5 | | | |

60 Hz R448A (*)

N°7028

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|-----|------|------|------|------|------|------|------|------|
| 32 | 1 P frigorifique | (Watt) | | 1795 | 2326 | 2896 | 3505 | 4153 | 4832 | 5530 | 6230 |
| | 2 P absorbée | (W) | | 1327 | 1527 | 1724 | 1923 | 2133 | 2359 | 2609 | 2890 |
| | 3 I absorbée | (A) | | 2.90 | 3.13 | 3.39 | 3.67 | 3.98 | 4.32 | 4.69 | 5.11 |
| | 4 Tc | (°C) | | 37.1 | 38.6 | 40.3 | 42.2 | 44.3 | 46.8 | 49.6 | 52.9 |
| 38 | 1 P frigorifique | (Watt) | | | 2052 | 2591 | 3164 | 3770 | 4408 | 5069 | 5743 |
| | 2 P absorbée | (W) | | | 1549 | 1770 | 1991 | 2217 | 2455 | 2713 | 2997 |
| | 3 I absorbée | (A) | | | 3.16 | 3.43 | 3.74 | 4.06 | 4.42 | 4.81 | 5.24 |
| | 4 Tc | (°C) | | | 44.4 | 46.0 | 47.7 | 49.7 | 51.9 | 54.3 | 57.2 |
| 46 | 1 P frigorifique | (Watt) | | | | 2182 | 2706 | 3260 | | | |
| | 2 P absorbée | (W) | | | | 1816 | 2070 | 2323 | | | |
| | 3 I absorbée | (A) | | | | 3.50 | 3.83 | 4.18 | | | |
| | 4 Tc | (°C) | | | | 53.6 | 55.2 | 56.8 | | | |

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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| TAJT4519ZHR-TZ | Tension TZ : 400V 3~ 50Hz / 440V 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 R449A (*)

N°6785

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|-----|------|------|------|------|------|------|------|------|
| 32 | 1 P frigorifique | (Watt) | | 1603 | 2070 | 2586 | 3148 | 3752 | 4390 | 5046 | 5706 |
| | 2 P absorbée | (W) | | 1157 | 1298 | 1446 | 1604 | 1776 | 1965 | 2177 | 2420 |
| | 3 I absorbée | (A) | | 2.95 | 3.13 | 3.34 | 3.57 | 3.83 | 4.13 | 4.48 | 4.89 |
| | 4 Tc | (°C) | | 36.1 | 37.6 | 39.3 | 41.2 | 43.4 | 45.9 | 48.7 | 51.8 |
| 38 | 1 P frigorifique | (Watt) | | | 1850 | 2332 | 2855 | 3417 | 4010 | 4626 | 5252 |
| | 2 P absorbée | (W) | | | 1335 | 1498 | 1671 | 1858 | 2061 | 2287 | 2543 |
| | 3 I absorbée | (A) | | | 3.19 | 3.42 | 3.68 | 3.97 | 4.29 | 4.66 | 5.08 |
| | 4 Tc | (°C) | | | 43.1 | 44.8 | 46.6 | 48.6 | 50.8 | 53.3 | 56.1 |
| 46 | 1 P frigorifique | (Watt) | | | | 1992 | 2466 | 2972 | | | |
| | 2 P absorbée | (W) | | | | 1554 | 1752 | 1963 | | | |
| | 3 I absorbée | (A) | | | | 3.54 | 3.83 | 4.16 | | | |
| | 4 Tc | (°C) | | | | 52.0 | 53.6 | 55.4 | | | |

60 Hz R449A (*)

N°6785

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|-----|------|------|------|------|------|------|------|------|
| 32 | 1 P frigorifique | (Watt) | | 1795 | 2327 | 2897 | 3507 | 4155 | 4835 | 5533 | 6233 |
| | 2 P absorbée | (W) | | 1327 | 1527 | 1724 | 1923 | 2133 | 2359 | 2609 | 2890 |
| | 3 I absorbée | (A) | | 2.90 | 3.13 | 3.39 | 3.67 | 3.98 | 4.32 | 4.69 | 5.11 |
| | 4 Tc | (°C) | | 37.1 | 38.6 | 40.3 | 42.2 | 44.3 | 46.8 | 49.6 | 52.8 |
| 38 | 1 P frigorifique | (Watt) | | | 2053 | 2592 | 3165 | 3772 | 4410 | 5072 | 5746 |
| | 2 P absorbée | (W) | | | 1549 | 1770 | 1991 | 2217 | 2455 | 2713 | 2997 |
| | 3 I absorbée | (A) | | | 3.16 | 3.43 | 3.74 | 4.06 | 4.42 | 4.81 | 5.24 |
| | 4 Tc | (°C) | | | 44.4 | 46.0 | 47.7 | 49.6 | 51.8 | 54.3 | 57.1 |
| 46 | 1 P frigorifique | (Watt) | | | | 2183 | 2708 | 3261 | | | |
| | 2 P absorbée | (W) | | | | 1816 | 2070 | 2323 | | | |
| | 3 I absorbée | (A) | | | | 3.50 | 3.83 | 4.18 | | | |
| | 4 Tc | (°C) | | | | 53.6 | 55.1 | 56.8 | | | |

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

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