

Condensing unit
Voltage Code : FZ

CAJN4519ZHR-FZ

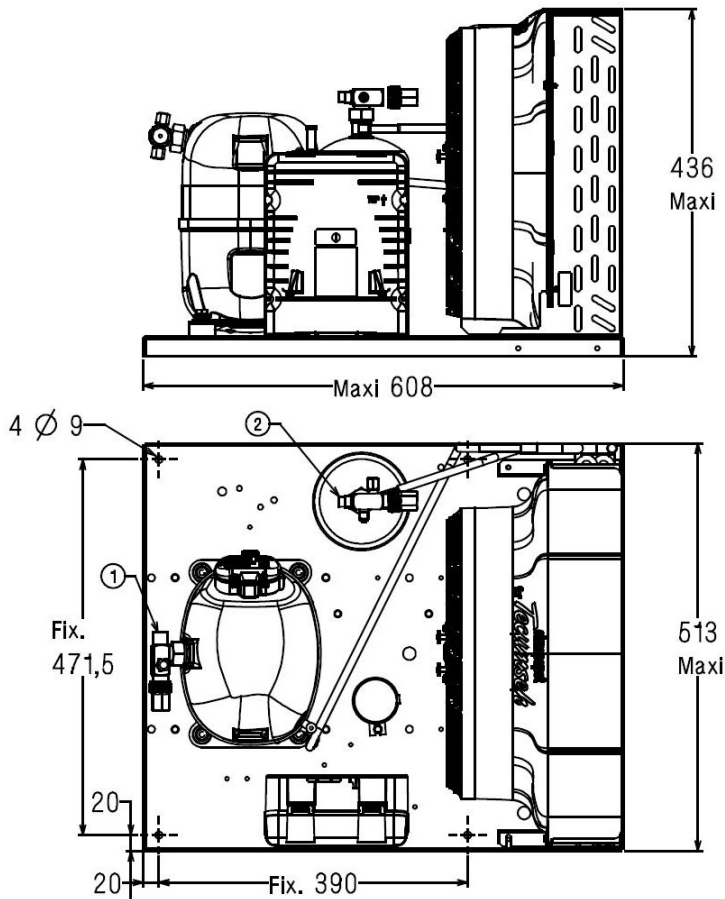
High Temp. Commercial (HP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

CAJN4519ZHR-FZ

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|-----------------|-----------|--------------------------|-------|-------------------------------------|
| | | Watts | BTU/h | |
| EN13215 / R452A | 50 Hz | 2660 | 9070 | 72 dBA |
| EN13215 / R404A | 50 Hz | 2788 | 9509 | 72 dBA |
| EN13215 / R448A | 50 Hz | 2439 | 8317 | 71 dBA |
| EN13215 / R449A | 50 Hz | 2440 | 8322 | 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) | 44.0 |
| Expansion device | Expansion_Valve |
| Air Flow (m³/h) | 1700 |
| Compo Data Sheet | 224ST-FZ |
| Elec Comp Type | CSR |
| Current (Amp) | |
| Load Rated Amp | 10.5 |
| Max Cont Current | 16 |
| Lock Rotor Amp | 46 |
| Fan | |
| Speed (rpm) | 1350 |
| Power (W) | 90.0 |
| Diameter (mm) | 350 |
| Protection | Overload |
| IP Level | IP44 |
| Condenser | 350/8200 |
| 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 |
| Connection Type | VR |
| Fan Guard | maille < à 8mm |

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



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| CAJN4519ZHR-FZ | Tension FZ : 220 - 240V 1~ 50 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°5925

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 1543 | 1975 | 2451 | 2966 | 3514 | 4088 | 4678 | 5279 | 5884 |
| | 2 P absorbée | (W) | 1162 | 1289 | 1425 | 1572 | 1733 | 1908 | 2103 | 2318 | 2558 |
| | 3 I absorbée | (A) | 5.55 | 6.06 | 6.64 | 7.30 | 8.04 | 8.86 | 9.78 | 10.8 | 11.9 |
| | 4 Tc | (°C) | 29.6 | 31.9 | 34.3 | 36.8 | 39.4 | 42.1 | 44.9 | 47.9 | 50.9 |
| 32 | 1 P frigorifique | (Watt) | | 1735 | 2183 | 2660 | 3161 | 3682 | 4216 | 4759 | 5312 |
| | 2 P absorbée | (W) | | 1317 | 1464 | 1622 | 1792 | 1978 | 2182 | 2407 | 2656 |
| | 3 I absorbée | (A) | | 6.11 | 6.76 | 7.48 | 8.28 | 9.15 | 10.1 | 11.2 | 12.3 |
| | 4 Tc | (°C) | | 37.8 | 40.0 | 42.3 | 44.7 | 47.2 | 49.8 | 52.5 | 55.3 |
| 43 | 1 P frigorifique | (Watt) | | | 1753 | 2168 | 2597 | 3036 | 3485 | 3947 | |
| | 2 P absorbée | (W) | | | 1500 | 1681 | 1874 | 2080 | 2303 | 2545 | |
| | 3 I absorbée | (A) | | | 6.91 | 7.73 | 8.62 | 9.57 | 10.6 | 11.7 | |
| | 4 Tc | (°C) | | | 49.0 | 51.0 | 53.1 | 55.2 | 57.5 | 59.9 | |

50 Hz R404A

N°5045

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 1678 | 2117 | 2596 | 3110 | 3651 | 4209 | 4774 | 5338 | 5894 |
| | 2 P absorbée | (W) | 1225 | 1354 | 1491 | 1638 | 1798 | 1971 | 2161 | 2370 | 2600 |
| | 3 I absorbée | (A) | 5.85 | 6.37 | 6.95 | 7.60 | 8.34 | 9.15 | 10.1 | 11.0 | 12.1 |
| | 4 Tc | (°C) | 32.5 | 34.7 | 37.1 | 39.5 | 42.1 | 44.7 | 47.4 | 50.2 | 53.1 |
| 32 | 1 P frigorifique | (Watt) | | 1865 | 2315 | 2788 | 3280 | 3783 | 4289 | 4793 | 5292 |
| | 2 P absorbée | (W) | | 1388 | 1536 | 1693 | 1862 | 2045 | 2244 | 2461 | 2699 |
| | 3 I absorbée | (A) | | 6.44 | 7.09 | 7.81 | 8.60 | 9.46 | 10.4 | 11.4 | 12.5 |
| | 4 Tc | (°C) | | 40.5 | 42.6 | 44.8 | 47.1 | 49.5 | 52.0 | 54.6 | 57.2 |
| 43 | 1 P frigorifique | (Watt) | | | 1864 | 2275 | 2691 | 3108 | 3525 | 3940 | |
| | 2 P absorbée | (W) | | | 1585 | 1764 | 1953 | 2154 | 2371 | 2604 | |
| | 3 I absorbée | (A) | | | 7.28 | 8.10 | 8.97 | 9.91 | 10.9 | 12.0 | |
| | 4 Tc | (°C) | | | 51.3 | 53.2 | 55.1 | 57.2 | 59.3 | 61.5 | |

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

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| CAJN4519ZHR-FZ | Tension FZ : 220 - 240V 1~ 50 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°6943

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 1307 | 1727 | 2194 | 2708 | 3265 | 3862 | 4497 | 5165 | 5862 |
| | 2 P absorbée | (W) | 1100 | 1221 | 1352 | 1497 | 1657 | 1835 | 2032 | 2252 | 2498 |
| | 3 I absorbée | (A) | 5.24 | 5.73 | 6.30 | 6.95 | 7.69 | 8.52 | 9.45 | 10.5 | 11.6 |
| | 4 Tc | (°C) | 29.9 | 32.3 | 34.7 | 37.2 | 39.9 | 42.6 | 45.4 | 48.4 | 51.4 |
| 32 | 1 P frigorifique | (Watt) | | 1515 | 1958 | 2439 | 2957 | 3511 | 4099 | 4718 | 5367 |
| | 2 P absorbée | (W) | | 1248 | 1391 | 1548 | 1720 | 1909 | 2118 | 2349 | 2606 |
| | 3 I absorbée | (A) | | 5.80 | 6.43 | 7.14 | 7.94 | 8.83 | 9.81 | 10.9 | 12.1 |
| | 4 Tc | (°C) | | 38.2 | 40.4 | 42.7 | 45.2 | 47.7 | 50.3 | 53.0 | 55.8 |
| 43 | 1 P frigorifique | (Watt) | | | | 2017 | 2475 | 2961 | | | |
| | 2 P absorbée | (W) | | | | 1608 | 1804 | 2016 | | | |
| | 3 I absorbée | (A) | | | | 7.40 | 8.30 | 9.28 | | | |
| | 4 Tc | (°C) | | | | 51.5 | 53.5 | 55.7 | | | |

50 Hz R449A (*)

N°5620

| 5 T ambience | 6 T évaporation | (°C) | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 |
|----------------|--------------------|--------|------|------|------|------|------|------|------|------|------|
| 25 | 1 P frigorifique | (Watt) | 1308 | 1728 | 2196 | 2709 | 3267 | 3865 | 4500 | 5168 | 5866 |
| | 2 P absorbée | (W) | 1100 | 1221 | 1352 | 1497 | 1657 | 1835 | 2032 | 2252 | 2498 |
| | 3 I absorbée | (A) | 5.24 | 5.73 | 6.30 | 6.95 | 7.69 | 8.52 | 9.45 | 10.5 | 11.6 |
| | 4 Tc | (°C) | 30.0 | 32.3 | 34.7 | 37.2 | 39.9 | 42.6 | 45.4 | 48.3 | 51.3 |
| 32 | 1 P frigorifique | (Watt) | | 1516 | 1959 | 2440 | 2959 | 3513 | 4101 | 4720 | 5370 |
| | 2 P absorbée | (W) | | 1248 | 1391 | 1548 | 1720 | 1909 | 2118 | 2349 | 2606 |
| | 3 I absorbée | (A) | | 5.80 | 6.43 | 7.14 | 7.94 | 8.83 | 9.81 | 10.9 | 12.1 |
| | 4 Tc | (°C) | | 38.2 | 40.4 | 42.7 | 45.1 | 47.6 | 50.2 | 52.9 | 55.7 |
| 43 | 1 P frigorifique | (Watt) | | | | 2018 | 2476 | 2962 | | | |
| | 2 P absorbée | (W) | | | | 1608 | 1804 | 2016 | | | |
| | 3 I absorbée | (A) | | | | 7.40 | 8.30 | 9.28 | | | |
| | 4 Tc | (°C) | | | | 51.4 | 53.5 | 55.6 | | | |

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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