

Condensing unit
Voltage Code : TZ

TFHT2480ZBR-TZ

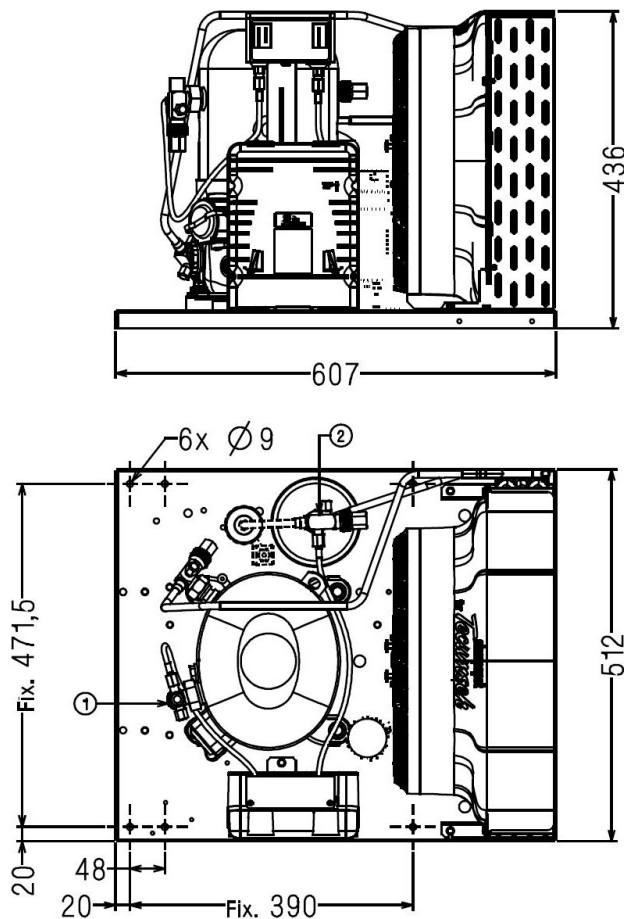
Low Temp. Commercial (BP)

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

R452A / R404A / R448A / R449A

TFHT2480ZBR-TZ

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power ISO3745 / ISO 3743-1 |
|-----------------|---------------|--------------------------|-------------|-------------------------------------|
| | | Watts | BTU/h | |
| EN13215 / R452A | 50 Hz / 60 Hz | 1164 / 1133 | 3968 / 3863 | 74 dBA |
| EN13215 / R404A | 50 Hz / 60 Hz | 1323 / 1302 | 4513 / 4438 | 74 dBA |
| EN13215 / R448A | 50 Hz / 60 Hz | 908 / 871 | 3096 / 2971 | 74 dBA |
| EN13215 / R449A | 50 Hz / 60 Hz | 908 / 872 | 3098 / 2973 | 74 dBA |



* EN13215 : T°Ambient 32.0°C / T°Evap. -35.0°C / T°Return gas temp.. 20.0°C
T°Subcooling. 3.0K

| | |
|-------------------------|------------------|
| Net Weight (Kg) | 57.0 |
| Expansion device | Expansion_Valve |
| Air Flow (m³/h) | 1750 / 1850 |
| Compo Data Sheet | 126GU-T |
| Elec Comp Type | TRI |
| Current (Amp) | |
| Load Rated Amp | 3.3 3.6 |
| Max Cont Current | 6.9 7.1 |
| Lock Rotor Amp | 24 26 |
| Fan | |
| Speed (rpm) | 1335 / 1500 |
| Power (W) | 90.0 |
| Diameter (mm) | 350 |
| Protection | Overload |
| IP Level | IP44 |
| Condenser | M350/8200 |
| Liquid Receiver | |
| Capacity (L) | 1.5 |
| 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 |

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| TFHT2480ZBR-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°6041 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 1003 | 1367 | 1776 | 2231 | 2728 | 3267 | 3847 |
| | 2 P absorbée | (W) | 979 | 1163 | 1357 | 1564 | 1787 | 2029 | 2292 |
| | 3 I absorbée | (A) | 2.47 | 2.66 | 2.90 | 3.19 | 3.52 | 3.89 | 4.31 |
| | 4 Tc | (°C) | 25.4 | 27.4 | 29.7 | 32.1 | 34.7 | 37.4 | 40.2 |
| 32 | 1 P frigorifique | (Watt) | 816 | 1164 | 1552 | 1979 | 2446 | 2949 | 3490 |
| | 2 P absorbée | (W) | 922 | 1126 | 1339 | 1565 | 1807 | 2069 | 2352 |
| | 3 I absorbée | (A) | 2.41 | 2.63 | 2.89 | 3.20 | 3.54 | 3.93 | 4.37 |
| | 4 Tc | (°C) | 31.5 | 33.4 | 35.5 | 37.8 | 40.3 | 42.9 | 45.6 |
| 43 | 1 P frigorifique | (Watt) | 524 | 846 | 1200 | 1586 | 2003 | 2453 | 2937 |
| | 2 P absorbée | (W) | 803 | 1046 | 1297 | 1558 | 1835 | 2131 | 2449 |
| | 3 I absorbée | (A) | 2.26 | 2.53 | 2.84 | 3.17 | 3.55 | 3.97 | 4.42 |
| | 4 Tc | (°C) | 41.1 | 42.8 | 44.7 | 46.8 | 49.1 | 51.6 | 54.1 |

| 60 Hz R452A | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| N°6041 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 970 | 1382 | 1839 | 2342 | 2888 | 3477 | 4109 |
| | 2 P absorbée | (W) | 1085 | 1337 | 1599 | 1879 | 2185 | 2523 | 2899 |
| | 3 I absorbée | (A) | 2.45 | 2.73 | 3.05 | 3.42 | 3.85 | 4.32 | 4.85 |
| | 4 Tc | (°C) | 30.3 | 32.3 | 34.4 | 36.7 | 39.1 | 41.7 | 44.4 |
| 32 | 1 P frigorifique | (Watt) | 739 | 1133 | 1564 | 2033 | 2540 | 3085 | 3667 |
| | 2 P absorbée | (W) | 988 | 1274 | 1565 | 1871 | 2200 | 2558 | 2953 |
| | 3 I absorbée | (A) | 2.35 | 2.65 | 3.00 | 3.39 | 3.83 | 4.32 | 4.86 |
| | 4 Tc | (°C) | 36.8 | 38.5 | 40.5 | 42.7 | 45.1 | 47.5 | 50.2 |
| 43 | 1 P frigorifique | (Watt) | | 744 | 1136 | 1554 | 2002 | 2480 | 2993 |
| | 2 P absorbée | (W) | | 1116 | 1463 | 1817 | 2189 | 2586 | 3016 |
| | 3 I absorbée | (A) | | 2.47 | 2.85 | 3.28 | 3.75 | 4.26 | 4.82 |
| | 4 Tc | (°C) | | 48.5 | 50.3 | 52.3 | 54.5 | 56.8 | 59.3 |

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

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| TFHT2480ZBR-TZ | Tension TZ : 400V 3~ 50Hz / 440V 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 R404A | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| N°5141 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 1153 | 1544 | 1979 | 2453 | 2961 | 3499 | 4063 |
| | 2 P absorbée | (W) | 1053 | 1252 | 1456 | 1669 | 1894 | 2135 | 2394 |
| | 3 I absorbée | (A) | 2.55 | 2.76 | 3.01 | 3.30 | 3.63 | 4.01 | 4.43 |
| | 4 Tc | (°C) | 27.5 | 29.5 | 31.7 | 34.1 | 36.6 | 39.3 | 42.0 |
| 32 | 1 P frigorifique | (Watt) | 950 | 1323 | 1735 | 2180 | 2655 | 3155 | 3678 |
| | 2 P absorbée | (W) | 1003 | 1219 | 1441 | 1672 | 1917 | 2178 | 2459 |
| | 3 I absorbée | (A) | 2.50 | 2.74 | 3.01 | 3.32 | 3.67 | 4.06 | 4.50 |
| | 4 Tc | (°C) | 33.5 | 35.4 | 37.4 | 39.7 | 42.1 | 44.6 | 47.2 |
| 43 | 1 P frigorifique | (Watt) | 633 | 980 | 1355 | 1756 | 2180 | 2623 | 3084 |
| | 2 P absorbée | (W) | 897 | 1149 | 1407 | 1674 | 1954 | 2252 | 2571 |
| | 3 I absorbée | (A) | 2.39 | 2.67 | 2.98 | 3.32 | 3.70 | 4.12 | 4.58 |
| | 4 Tc | (°C) | 42.9 | 44.5 | 46.4 | 48.4 | 50.6 | 52.9 | 55.3 |

| 60 Hz R404A | | | | | | | | | |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| N°5141 | | | | | | | | | |
| 5 T ambience | 6 T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 1127 | 1570 | 2055 | 2578 | 3135 | 3722 | 4335 |
| | 2 P absorbée | (W) | 1181 | 1448 | 1720 | 2008 | 2319 | 2660 | 3038 |
| | 3 I absorbée | (A) | 2.62 | 2.91 | 3.25 | 3.64 | 4.07 | 4.55 | 5.09 |
| | 4 Tc | (°C) | 32.4 | 34.3 | 36.3 | 38.6 | 41.0 | 43.5 | 46.1 |
| 32 | 1 P frigorifique | (Watt) | 878 | 1302 | 1758 | 2246 | 2762 | 3301 | 3861 |
| | 2 P absorbée | (W) | 1095 | 1393 | 1694 | 2008 | 2342 | 2705 | 3104 |
| | 3 I absorbée | (A) | 2.54 | 2.86 | 3.21 | 3.62 | 4.07 | 4.57 | 5.11 |
| | 4 Tc | (°C) | 38.7 | 40.4 | 42.3 | 44.4 | 46.7 | 49.1 | 51.6 |
| 43 | 1 P frigorifique | (Watt) | 485 | 880 | 1296 | 1731 | 2184 | 2652 | 3136 |
| | 2 P absorbée | (W) | 890 | 1250 | 1606 | 1969 | 2349 | 2753 | 3190 |
| | 3 I absorbée | (A) | 2.34 | 2.69 | 3.09 | 3.52 | 4.00 | 4.53 | 5.10 |
| | 4 Tc | (°C) | 48.5 | 50.0 | 51.7 | 53.6 | 55.7 | 57.9 | 60.2 |

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 |

| 50 Hz R448A (*) | | | | | | | |
|------------------------|--------------------|--------|------------|------------|------------|------------|---------------|
| | | | | | | | N°6930 |
| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 1491 | 1949 | 2458 | 3016 | 3624 |
| | 2 P absorbée | (W) | 1277 | 1484 | 1703 | 1938 | 2192 |
| | 3 I absorbée | (A) | 2.76 | 3.05 | 3.37 | 3.73 | 4.13 |
| | 4 Tc | (°C) | 30.6 | 32.8 | 35.3 | 37.9 | 40.8 |
| 32 | 1 P frigorifique | (Watt) | 1292 | 1725 | 2208 | 2740 | 3324 |
| | 2 P absorbée | (W) | 1266 | 1492 | 1730 | 1984 | 2257 |
| | 3 I absorbée | (A) | 2.76 | 3.06 | 3.40 | 3.78 | 4.19 |
| | 4 Tc | (°C) | 36.6 | 38.7 | 41.0 | 43.5 | 46.2 |
| 43 | 1 P frigorifique | (Watt) | 994 | 1393 | 1840 | 2337 | 2886 |
| | 2 P absorbée | (W) | 1228 | 1492 | 1766 | 2056 | 2364 |
| | 3 I absorbée | (A) | 2.71 | 3.05 | 3.42 | 3.82 | 4.26 |
| | 4 Tc | (°C) | 46.0 | 47.9 | 50.0 | 52.2 | 54.6 |

| 60 Hz R448A (*) | | | | | | | |
|------------------------|--------------------|--------|------------|------------|------------|------------|---------------|
| | | | | | | | N°6930 |
| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 1536 | 2044 | 2607 | 3225 | 3899 |
| | 2 P absorbée | (W) | 1509 | 1788 | 2087 | 2413 | 2774 |
| | 3 I absorbée | (A) | 2.90 | 3.27 | 3.68 | 4.14 | 4.64 |
| | 4 Tc | (°C) | 35.4 | 37.4 | 39.8 | 42.3 | 45.0 |
| 32 | 1 P frigorifique | (Watt) | 1299 | 1778 | 2310 | 2896 | 3539 |
| | 2 P absorbée | (W) | 1479 | 1784 | 2107 | 2455 | 2835 |
| | 3 I absorbée | (A) | 2.86 | 3.25 | 3.68 | 4.15 | 4.66 |
| | 4 Tc | (°C) | 41.7 | 43.6 | 45.8 | 48.2 | 50.7 |
| 43 | 1 P frigorifique | (Watt) | | 1388 | 1878 | | |
| | 2 P absorbée | (W) | | 1732 | 2103 | | |
| | 3 I absorbée | (A) | | 3.14 | 3.60 | | |
| | 4 Tc | (°C) | | 53.4 | 55.3 | | |

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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| 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 R449A (*) | | | | | | | |
|------------------------|--------------------|--------|------------|------------|------------|------------|---------------|
| | | | | | | | N°5567 |
| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 1491 | 1950 | 2459 | 3017 | 3626 |
| | 2 P absorbée | (W) | 1277 | 1484 | 1703 | 1938 | 2192 |
| | 3 I absorbée | (A) | 2.76 | 3.05 | 3.37 | 3.73 | 4.13 |
| | 4 Tc | (°C) | 30.6 | 32.8 | 35.3 | 37.9 | 40.8 |
| 32 | 1 P frigorifique | (Watt) | 1293 | 1726 | 2209 | 2742 | 3326 |
| | 2 P absorbée | (W) | 1266 | 1492 | 1730 | 1984 | 2257 |
| | 3 I absorbée | (A) | 2.76 | 3.06 | 3.40 | 3.78 | 4.19 |
| | 4 Tc | (°C) | 36.6 | 38.7 | 41.0 | 43.5 | 46.1 |
| 43 | 1 P frigorifique | (Watt) | 995 | 1394 | 1841 | 2338 | 2887 |
| | 2 P absorbée | (W) | 1228 | 1492 | 1766 | 2056 | 2364 |
| | 3 I absorbée | (A) | 2.71 | 3.05 | 3.42 | 3.82 | 4.26 |
| | 4 Tc | (°C) | 46.0 | 47.8 | 49.9 | 52.2 | 54.6 |

| 60 Hz R449A (*) | | | | | | | |
|------------------------|--------------------|--------|------------|------------|------------|------------|---------------|
| | | | | | | | N°5567 |
| 5 T ambience | 6 T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
| 25 | 1 P frigorifique | (Watt) | 1537 | 2045 | 2609 | 3227 | 3901 |
| | 2 P absorbée | (W) | 1509 | 1788 | 2087 | 2413 | 2774 |
| | 3 I absorbée | (A) | 2.90 | 3.27 | 3.68 | 4.14 | 4.64 |
| | 4 Tc | (°C) | 35.4 | 37.4 | 39.8 | 42.3 | 45.0 |
| 32 | 1 P frigorifique | (Watt) | 1300 | 1779 | 2311 | 2898 | 3540 |
| | 2 P absorbée | (W) | 1479 | 1784 | 2107 | 2455 | 2835 |
| | 3 I absorbée | (A) | 2.86 | 3.25 | 3.68 | 4.15 | 4.66 |
| | 4 Tc | (°C) | 41.7 | 43.6 | 45.8 | 48.2 | 50.7 |
| 43 | 1 P frigorifique | (Watt) | | 1388 | 1879 | | |
| | 2 P absorbée | (W) | | 1732 | 2103 | | |
| | 3 I absorbée | (A) | | 3.14 | 3.60 | | |
| | 4 Tc | (°C) | | 53.3 | 55.3 | | |

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 refoulement élevée pour les applications LBP.
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