Condensing unit
Voltage Code : XG

# FHT2480ZBR-XG

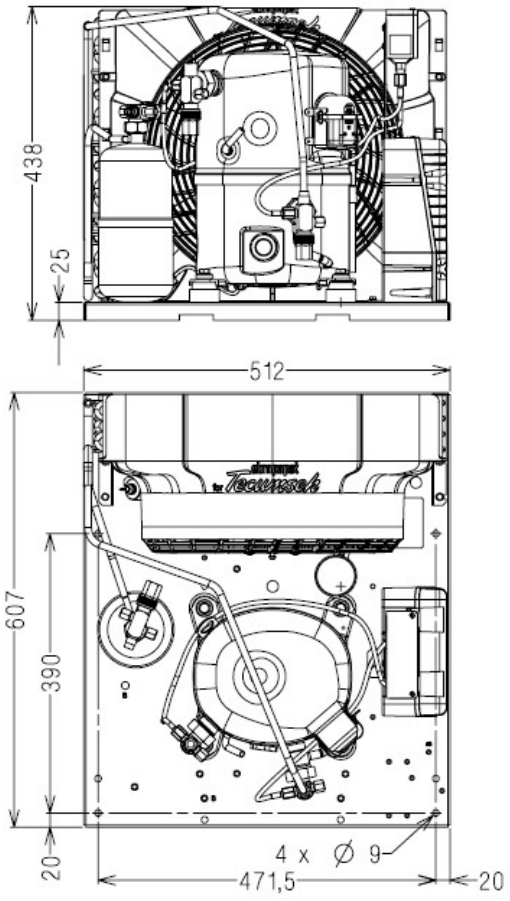
Low Temp. Commercial HTA (BP)

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

## R452A / R404A / R448A / R449A

## FHT2480ZBR-XG

| Conditions | Frequency | Nominal Cooling Capacity | | Sound Power |
|---|---|---|---|---|
| | | Watts | BTU/h | ISO3745 / ISO 3743-1 |
| EN13215 / R452A | 50 Hz | 1123 | 3830 | 74 dBA |
| EN13215 / R404A | 50 Hz | 1356 | 4625 | 74 dBA |
| EN13215 / R448A | 50 Hz | 1000 | 3410 | 74 dBA |
| EN13215 / R449A | 50 Hz | 999 | 3405 | 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)** | 47.0 |
| **Expansion device** | Expansion_Valve |
| **Air Flow (m³/h)** | 1750 / 1850 |
| **Elec Comp Type** | TRI |
| **Current (Amp)** | |
| Load Rated Amp | 3.6 |
| Max Cont Current | 7 |
| Lock Rotor Amp | 31 |
| **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 |
| **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.

| FHT2480ZBR-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 |

## 50 Hz R452A

**N°User-174**

| 5 \| T ambiance | 6 \| T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|---|---|---|---|---|---|---|---|---|---|
| **32** | 1 \| P frigorifique | (Watt) | 746 | 1123 | 1557 | 2045 | 2584 | 3171 | 3811 |
| | 2 \| P absorbée | (W) | 823 | 1019 | 1230 | 1459 | 1711 | 1988 | 2295 |
| | 3 \| I absorbée | (A) | 2.42 | 2.57 | 2.73 | 2.93 | 3.16 | 3.43 | 3.73 |
| | 4 \| Tc | (°C) | 33.7 | 35.6 | 37.9 | 40.7 | 43.8 | 47.1 | 50.6 |
| **38** | 1 \| P frigorifique | (Watt) | 580 | 940 | 1350 | 1807 | 2310 | 2857 | 3453 |
| | 2 \| P absorbée | (W) | 776 | 987 | 1211 | 1454 | 1719 | 2011 | 2333 |
| | 3 \| I absorbée | (A) | 2.36 | 2.53 | 2.71 | 2.92 | 3.16 | 3.44 | 3.75 |
| | 4 \| Tc | (°C) | 39.0 | 40.5 | 42.7 | 45.3 | 48.2 | 51.4 | 54.7 |
| **46** | 1 \| P frigorifique | (Watt) | 371 | 705 | 1081 | 1497 | 1953 | 2448 | 2988 |
| | 2 \| P absorbée | (W) | 696 | 926 | 1169 | 1431 | 1716 | 2028 | 2371 |
| | 3 \| I absorbée | (A) | 2.25 | 2.45 | 2.66 | 2.89 | 3.15 | 3.45 | 3.77 |
| | 4 \| Tc | (°C) | 45.8 | 47.1 | 48.9 | 51.3 | 54.1 | 57.1 | 60.3 |

## 50 Hz R404A

**N°User-173**

| 5 \| T ambiance | 6 \| T évaporation | (°C) | -40 | -35 | -30 | -25 | -20 | -15 | -10 |
|---|---|---|---|---|---|---|---|---|---|
| **32** | 1 \| P frigorifique | (Watt) | 954 | 1356 | 1816 | 2329 | 2890 | 3496 | 4149 |
| | 2 \| P absorbée | (W) | 920 | 1121 | 1336 | 1567 | 1819 | 2096 | 2398 |
| | 3 \| I absorbée | (A) | 2.66 | 2.79 | 2.94 | 3.13 | 3.35 | 3.61 | 3.90 |
| | 4 \| Tc | (°C) | 34.6 | 36.4 | 38.7 | 41.4 | 44.4 | 47.6 | 50.8 |
| **38** | 1 \| P frigorifique | (Watt) | 779 | 1162 | 1594 | 2073 | 2592 | 3151 | 3751 |
| | 2 \| P absorbée | (W) | 886 | 1101 | 1329 | 1575 | 1842 | 2135 | 2454 |
| | 3 \| I absorbée | (A) | 2.63 | 2.77 | 2.94 | 3.14 | 3.38 | 3.65 | 3.95 |
| | 4 \| Tc | (°C) | 39.8 | 41.4 | 43.5 | 46.0 | 48.9 | 51.9 | 55.0 |
| **46** | 1 \| P frigorifique | (Watt) | 555 | 910 | 1304 | 1736 | 2200 | 2696 | 3228 |
| | 2 \| P absorbée | (W) | 822 | 1057 | 1305 | 1570 | 1858 | 2172 | 2515 |
| | 3 \| I absorbée | (A) | 2.57 | 2.73 | 2.92 | 3.14 | 3.39 | 3.68 | 4.00 |
| | 4 \| Tc | (°C) | 46.6 | 47.9 | 49.8 | 52.1 | 54.7 | 57.6 | 60.6 |

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

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| FHT2480ZBR-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

## 50 Hz R448A (*)

**N°User-176**

| 5 \| T ambiance | 6 \| T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|---|---|---|---|---|---|---|---|
| **32** | 1 \| P frigorifique | (Watt) | 1437 | 1948 | 2532 | 3191 | 3924 |
| | 2 \| P absorbée | (W) | 1151 | 1368 | 1606 | 1866 | 2155 |
| | 3 \| I absorbée | (A) | 2.57 | 2.76 | 2.99 | 3.25 | 3.54 |
| | 4 \| Tc | (°C) | 35.7 | 38.0 | 40.7 | 43.7 | 46.9 |
| **38** | 1 \| P frigorifique | (Watt) | 1244 | 1727 | 2279 | 2902 | 3597 |
| | 2 \| P absorbée | (W) | 1132 | 1365 | 1618 | 1895 | 2200 |
| | 3 \| I absorbée | (A) | 2.55 | 2.76 | 3.00 | 3.27 | 3.57 |
| | 4 \| Tc | (°C) | 40.8 | 42.9 | 45.4 | 48.3 | 51.3 |
| **46** | 1 \| P frigorifique | (Watt) | 993 | 1439 | 1949 | 2524 | 3167 |
| | 2 \| P absorbée | (W) | 1089 | 1343 | 1618 | 1918 | 2246 |
| | 3 \| I absorbée | (A) | 2.49 | 2.73 | 2.99 | 3.28 | 3.60 |
| | 4 \| Tc | (°C) | 47.5 | 49.4 | 51.7 | 54.3 | 57.2 |

## 50 Hz R449A (*)

**N°User-175**

| 5 \| T ambiance | 6 \| T évaporation | (°C) | -30 | -25 | -20 | -15 | -10 |
|---|---|---|---|---|---|---|---|
| **32** | 1 \| P frigorifique | (Watt) | 1435 | 1943 | 2524 | 3179 | 3908 |
| | 2 \| P absorbée | (W) | 1150 | 1368 | 1606 | 1868 | 2157 |
| | 3 \| I absorbée | (A) | 2.57 | 2.76 | 2.99 | 3.25 | 3.54 |
| | 4 \| Tc | (°C) | 35.8 | 38.2 | 40.9 | 43.9 | 47.1 |
| **38** | 1 \| P frigorifique | (Watt) | 1241 | 1722 | 2272 | 2891 | 3581 |
| | 2 \| P absorbée | (W) | 1131 | 1364 | 1618 | 1896 | 2203 |
| | 3 \| I absorbée | (A) | 2.55 | 2.76 | 3.00 | 3.27 | 3.58 |
| | 4 \| Tc | (°C) | 40.9 | 43.0 | 45.6 | 48.4 | 51.5 |
| **46** | 1 \| P frigorifique | (Watt) | 990 | 1434 | 1941 | 2512 | |
| | 2 \| P absorbée | (W) | 1088 | 1342 | 1618 | 1918 | |
| | 3 \| I absorbée | (A) | 2.49 | 2.73 | 2.99 | 3.28 | |
| | 4 \| Tc | (°C) | 47.5 | 49.4 | 51.8 | 54.5 | |

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambiant 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.

(*) 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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