

COMPRESSOR DEFINITION

| | |
|---------------------------|------------------------|
| Designation | FMF T415Z |
| Nominal Voltage/Frequency | 230 V 46-150 Hz |
| Engineering Number | 513805024 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|------------------------------------|--|-----------------------------------|-----------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-134a | | |
| 3 Nominal voltage and frequency | 230 / 46-150 | [V / Hz] | |
| 4 Application type | LowMedium BackPressure LightCO (Hot Gas Defrost Not Allowed) | | |
| 4.1 Evaporating temperature range | -40°C to 5°C | (-40°F to 41°F) | |
| 5 Motor type | BPM | | |
| 6 Starting torque | LST/HST - Low/High starting torque | | |
| 7 Expansion device | Capillary tube or Expansion valve | | |
| 8 Compressor cooling | Operating voltage range | | |
| | | 50 Hz | 60 Hz |
| 8.1 LBP (32°C Ambient temperature) | - | - | - |
| 8.2 LBP (43°C Ambient temperature) | - | - | - |
| 8.3 HBP (32°C Ambient temperature) | - | - | - |
| 8.4 HBP (43°C Ambient temperature) | - | - | - |
| 9 Maximum condensing temperature | | | |
| 9.1 Operating | 14.2 | [kgf/cm ²] (202 psig) | / °C - °F |
| 9.2 Peak | 15.9 | [kgf/cm ²] (226 psig) | / °C - °F |
| 10 Maximum winding temperature | 130 | [°C] | |

B - MECHANICAL DATA

| | | |
|-------------------------------|---------------|--|
| 1 Commercial designation | 1/2 | [hp] |
| 2 Displacement | 14.77 | [cm ³] (0.901 cu.in) |
| 2.1 Bore [mm] | 28.000 | |
| 2.2 Stroke [mm] | 24.000 | |
| 3 Lubricant charge | 430 | [ml] (14.54 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ESTER / ISO10 | |
| 4 Weight (with oil charge) | 10.87 | [kg] (23.96 lb.) |
| 5 Nitrogen charge | 0.2 to 0.3 | [kgf/cm ²] (2.84 to 4.27 psig) |

C - ELETRICAL DATA

| | | |
|--|----------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 46-150 Hz 3~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | CF10B01 N 0.1 X | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | CF10B01 N 0.1 XX A Y | |
| 6 Start winding resistance | 3.79 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 3.79 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (50/60 Hz) | 7.00/7.00 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (50/60 Hz) | 3.40/3.40 | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (50/60 Hz) | 3.40/3.40 | [A] - Measured according to UL 984 |
| 11 Approval boards certification | | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|---|----------|-----|-----------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @200V1400RPM | | | ASHRAELBP32 Fan | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 745 | 188 | 218 | 132 | 1.22 | 4.23 | 5.66 | 1.43 | 1.66 |

| | | | | | | | | |
|---|----------|-----|-----------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @200V1600RPM | | | ASHRAELBP32 Fan | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 839 | 211 | 246 | 143 | 1.30 | 4.77 | 5.88 | 1.48 | 1.72 |

| | | | | | | | | |
|---|----------|-----|-----------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @200V3000RPM | | | ASHRAELBP32 Fan | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 1440 | 363 | 422 | 256 | 2.02 | 8.18 | 5.63 | 1.42 | 1.65 |

| | | | | | | | | |
|---|----------|-----|-----------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @200V3600RPM | | | ASHRAELBP32 Fan | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 1642 | 414 | 481 | 302 | 2.35 | 9.33 | 5.44 | 1.37 | 1.59 |

| | | | | | | | | |
|---|----------|-----|-----------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @200V4500RPM | | | ASHRAELBP32 Fan | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 1895 | 478 | 555 | 379 | 2.87 | 10.77 | 5.00 | 1.26 | 1.47 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @200V1400RPM | | ASHRAE32 Fan | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 322 | 81 | 94 | 64 | 1.00 | 1.82 | 4.89 | 1.23 | 1.43 | |
| -35 (-31) | 409 | 103 | 120 | 76 | 0.98 | 2.32 | 5.41 | 1.36 | 1.58 | |
| -30 (-22) | 534 | 135 | 156 | 90 | 1.05 | 3.03 | 6.08 | 1.53 | 1.78 | |
| -25 (-13) | 703 | 177 | 206 | 104 | 1.20 | 3.99 | 6.90 | 1.74 | 2.02 | |
| -20 (- 4) | 924 | 233 | 271 | 119 | 1.39 | 5.25 | 7.88 | 1.99 | 2.31 | |
| -15 (+ 5) | 1201 | 303 | 352 | 134 | 1.61 | 6.85 | 9.02 | 2.27 | 2.64 | |
| -10 (+14) | 1540 | 388 | 451 | 150 | 1.82 | 8.82 | 10.32 | 2.60 | 3.02 | |
| -5 (+23) | 1949 | 491 | 571 | 166 | 2.02 | 11.22 | 11.78 | 2.97 | 3.45 | |
| 0 (+32) | 2433 | 613 | 713 | 181 | 2.16 | 14.07 | 13.40 | 3.38 | 3.93 | |
| +5 (+41) | 2998 | 756 | 878 | 196 | 2.23 | 17.43 | 15.19 | 3.83 | 4.45 | |

| TEST CONDITIONS: @200V1400RPM | | ASHRAE32 Fan | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 265 | 67 | 78 | 65 | 0.81 | 1.49 | 4.14 | 1.04 | 1.21 | |
| -35 (-31) | 371 | 94 | 109 | 80 | 0.81 | 2.10 | 4.65 | 1.17 | 1.36 | |
| -30 (-22) | 513 | 129 | 150 | 97 | 0.91 | 2.91 | 5.25 | 1.32 | 1.54 | |
| -25 (-13) | 697 | 176 | 204 | 115 | 1.10 | 3.96 | 5.96 | 1.50 | 1.75 | |
| -20 (- 4) | 930 | 234 | 273 | 135 | 1.34 | 5.29 | 6.76 | 1.70 | 1.98 | |
| -15 (+ 5) | 1217 | 307 | 357 | 156 | 1.63 | 6.95 | 7.68 | 1.94 | 2.25 | |
| -10 (+14) | 1565 | 394 | 459 | 178 | 1.92 | 8.97 | 8.70 | 2.19 | 2.55 | |
| -5 (+23) | 1980 | 499 | 580 | 200 | 2.21 | 11.39 | 9.83 | 2.48 | 2.88 | |
| 0 (+32) | 2467 | 622 | 723 | 223 | 2.46 | 14.27 | 11.08 | 2.79 | 3.25 | |
| +5 (+41) | 3034 | 765 | 889 | 247 | 2.65 | 17.64 | 12.44 | 3.13 | 3.64 | |

| TEST CONDITIONS: @200V1400RPM | | ASHRAE32 Fan | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 222 | 56 | 65 | 64 | 0.80 | 1.25 | 3.61 | 0.91 | 1.06 | |
| -35 (-31) | 335 | 84 | 98 | 82 | 0.80 | 1.90 | 4.13 | 1.04 | 1.21 | |
| -30 (-22) | 482 | 121 | 141 | 102 | 0.91 | 2.73 | 4.69 | 1.18 | 1.37 | |
| -25 (-13) | 668 | 168 | 196 | 124 | 1.13 | 3.80 | 5.30 | 1.34 | 1.55 | |
| -20 (- 4) | 901 | 227 | 264 | 149 | 1.42 | 5.13 | 5.97 | 1.50 | 1.75 | |
| -15 (+ 5) | 1187 | 299 | 348 | 175 | 1.76 | 6.77 | 6.69 | 1.69 | 1.96 | |
| -10 (+14) | 1530 | 386 | 448 | 203 | 2.13 | 8.76 | 7.46 | 1.88 | 2.19 | |
| -5 (+23) | 1938 | 488 | 568 | 233 | 2.49 | 11.15 | 8.30 | 2.09 | 2.43 | |
| 0 (+32) | 2417 | 609 | 708 | 263 | 2.84 | 13.98 | 9.19 | 2.32 | 2.69 | |
| +5 (+41) | 2972 | 749 | 871 | 295 | 3.14 | 17.28 | 10.15 | 2.56 | 2.97 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @200V1400RPM | | ASHRAE32 Fan | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 194 | 49 | 57 | 60 | 0.96 | 1.09 | 3.13 | 0.79 | 0.92 | |
| -35 (-31) | 301 | 76 | 88 | 81 | 0.95 | 1.71 | 3.69 | 0.93 | 1.08 | |
| -30 (-22) | 440 | 111 | 129 | 104 | 1.07 | 2.50 | 4.24 | 1.07 | 1.24 | |
| -25 (-13) | 617 | 155 | 181 | 131 | 1.31 | 3.50 | 4.79 | 1.21 | 1.40 | |
| -20 (- 4) | 837 | 211 | 245 | 160 | 1.63 | 4.76 | 5.34 | 1.35 | 1.57 | |
| -15 (+ 5) | 1108 | 279 | 325 | 192 | 2.02 | 6.32 | 5.90 | 1.49 | 1.73 | |
| -10 (+14) | 1435 | 362 | 420 | 226 | 2.44 | 8.21 | 6.46 | 1.63 | 1.89 | |
| -5 (+23) | 1824 | 460 | 535 | 262 | 2.88 | 10.49 | 7.02 | 1.77 | 2.06 | |
| 0 (+32) | 2282 | 575 | 669 | 300 | 3.31 | 13.19 | 7.59 | 1.91 | 2.23 | |
| +5 (+41) | 2814 | 709 | 825 | 340 | 3.70 | 16.36 | 8.18 | 2.06 | 2.40 | |

| TEST CONDITIONS: @200V1600RPM | | ASHRAE32 Fan | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 334 | 84 | 98 | 68 | 1.07 | 1.89 | 4.81 | 1.21 | 1.41 | |
| -35 (-31) | 468 | 118 | 137 | 87 | 1.08 | 2.65 | 5.41 | 1.36 | 1.58 | |
| -30 (-22) | 632 | 159 | 185 | 104 | 1.18 | 3.59 | 6.13 | 1.54 | 1.80 | |
| -25 (-13) | 836 | 211 | 245 | 121 | 1.36 | 4.75 | 6.98 | 1.76 | 2.05 | |
| -20 (- 4) | 1086 | 274 | 318 | 138 | 1.57 | 6.18 | 7.97 | 2.01 | 2.34 | |
| -15 (+ 5) | 1391 | 351 | 408 | 154 | 1.81 | 7.93 | 9.10 | 2.29 | 2.67 | |
| -10 (+14) | 1758 | 443 | 515 | 170 | 2.04 | 10.07 | 10.38 | 2.61 | 3.04 | |
| -5 (+23) | 2195 | 553 | 643 | 186 | 2.24 | 12.63 | 11.80 | 2.97 | 3.46 | |
| 0 (+32) | 2709 | 683 | 794 | 202 | 2.38 | 15.67 | 13.37 | 3.37 | 3.92 | |
| +5 (+41) | 3309 | 834 | 970 | 219 | 2.45 | 19.24 | 15.10 | 3.80 | 4.42 | |

| TEST CONDITIONS: @200V1600RPM | | ASHRAE32 Fan | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 307 | 77 | 90 | 73 | 0.89 | 1.73 | 4.29 | 1.08 | 1.26 | |
| -35 (-31) | 441 | 111 | 129 | 91 | 0.90 | 2.50 | 4.85 | 1.22 | 1.42 | |
| -30 (-22) | 604 | 152 | 177 | 110 | 1.01 | 3.43 | 5.49 | 1.38 | 1.61 | |
| -25 (-13) | 804 | 203 | 236 | 129 | 1.21 | 4.57 | 6.21 | 1.56 | 1.82 | |
| -20 (- 4) | 1049 | 264 | 307 | 149 | 1.46 | 5.97 | 7.01 | 1.77 | 2.06 | |
| -15 (+ 5) | 1346 | 339 | 394 | 169 | 1.75 | 7.68 | 7.91 | 1.99 | 2.32 | |
| -10 (+14) | 1703 | 429 | 499 | 190 | 2.06 | 9.75 | 8.90 | 2.24 | 2.61 | |
| -5 (+23) | 2128 | 536 | 624 | 212 | 2.34 | 12.24 | 9.99 | 2.52 | 2.93 | |
| 0 (+32) | 2629 | 662 | 770 | 235 | 2.59 | 15.20 | 11.18 | 2.82 | 3.28 | |
| +5 (+41) | 3213 | 810 | 941 | 259 | 2.78 | 18.68 | 12.48 | 3.14 | 3.66 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @200V1600RPM | | ASHRAE32 Fan | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 271 | 68 | 79 | 73 | 0.89 | 1.53 | 3.79 | 0.95 | 1.11 | |
| -35 (-31) | 405 | 102 | 119 | 92 | 0.88 | 2.29 | 4.35 | 1.10 | 1.28 | |
| -30 (-22) | 565 | 142 | 166 | 113 | 1.00 | 3.21 | 4.95 | 1.25 | 1.45 | |
| -25 (-13) | 760 | 191 | 223 | 135 | 1.21 | 4.32 | 5.58 | 1.41 | 1.63 | |
| -20 (- 4) | 997 | 251 | 292 | 159 | 1.50 | 5.67 | 6.24 | 1.57 | 1.83 | |
| -15 (+ 5) | 1285 | 324 | 377 | 184 | 1.85 | 7.33 | 6.94 | 1.75 | 2.03 | |
| -10 (+14) | 1631 | 411 | 478 | 211 | 2.21 | 9.34 | 7.69 | 1.94 | 2.25 | |
| -5 (+23) | 2043 | 515 | 599 | 240 | 2.58 | 11.75 | 8.49 | 2.14 | 2.49 | |
| 0 (+32) | 2528 | 637 | 741 | 271 | 2.93 | 14.62 | 9.34 | 2.35 | 2.74 | |
| +5 (+41) | 3095 | 780 | 907 | 304 | 3.23 | 17.99 | 10.25 | 2.58 | 3.00 | |

| TEST CONDITIONS: @200V1600RPM | | ASHRAE32 Fan | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 226 | 57 | 66 | 70 | 1.06 | 1.27 | 3.25 | 0.82 | 0.95 | |
| -35 (-31) | 357 | 90 | 105 | 91 | 1.04 | 2.03 | 3.86 | 0.97 | 1.13 | |
| -30 (-22) | 513 | 129 | 150 | 115 | 1.15 | 2.92 | 4.45 | 1.12 | 1.30 | |
| -25 (-13) | 702 | 177 | 206 | 141 | 1.38 | 3.99 | 5.03 | 1.27 | 1.47 | |
| -20 (- 4) | 931 | 235 | 273 | 169 | 1.70 | 5.30 | 5.59 | 1.41 | 1.64 | |
| -15 (+ 5) | 1209 | 305 | 354 | 200 | 2.08 | 6.89 | 6.14 | 1.55 | 1.80 | |
| -10 (+14) | 1542 | 389 | 452 | 233 | 2.51 | 8.83 | 6.68 | 1.68 | 1.96 | |
| -5 (+23) | 1939 | 489 | 568 | 270 | 2.96 | 11.16 | 7.23 | 1.82 | 2.12 | |
| 0 (+32) | 2408 | 607 | 706 | 309 | 3.40 | 13.92 | 7.78 | 1.96 | 2.28 | |
| +5 (+41) | 2956 | 745 | 866 | 351 | 3.80 | 17.19 | 8.34 | 2.10 | 2.44 | |

| TEST CONDITIONS: @200V3000RPM | | ASHRAE32 Fan | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|---------------------------------------|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 565 | 142 | 165 | 127 | 1.71 | 3.19 | 4.42 | 1.11 | 1.30 | |
| -35 (-31) | 782 | 197 | 229 | 155 | 1.66 | 4.43 | 5.07 | 1.28 | 1.48 | |
| -30 (-22) | 1063 | 268 | 311 | 185 | 1.81 | 6.03 | 5.76 | 1.45 | 1.69 | |
| -25 (-13) | 1417 | 357 | 415 | 218 | 2.12 | 8.04 | 6.51 | 1.64 | 1.91 | |
| -20 (- 4) | 1854 | 467 | 543 | 254 | 2.54 | 10.55 | 7.29 | 1.84 | 2.14 | |
| -15 (+ 5) | 2385 | 601 | 699 | 294 | 3.02 | 13.61 | 8.11 | 2.04 | 2.38 | |
| -10 (+14) | 3019 | 761 | 885 | 337 | 3.53 | 17.29 | 8.96 | 2.26 | 2.62 | |
| -5 (+23) | 3767 | 949 | 1104 | 383 | 4.02 | 21.67 | 9.83 | 2.48 | 2.88 | |
| 0 (+32) | 4638 | 1169 | 1359 | 433 | 4.43 | 26.82 | 10.71 | 2.70 | 3.14 | |
| +5 (+41) | 5642 | 1422 | 1653 | 486 | 4.74 | 32.81 | 11.61 | 2.93 | 3.40 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @200V3000RPM | | ASHRAE32 Fan | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 524 | 132 | 154 | 127 | 1.37 | 2.96 | 4.13 | 1.04 | 1.21 |
| -35 | (-31) | 740 | 187 | 217 | 158 | 1.34 | 4.20 | 4.69 | 1.18 | 1.37 |
| -30 | (-22) | 1019 | 257 | 299 | 193 | 1.52 | 5.79 | 5.29 | 1.33 | 1.55 |
| -25 | (-13) | 1372 | 346 | 402 | 231 | 1.87 | 7.79 | 5.93 | 1.50 | 1.74 |
| -20 | (- 4) | 1807 | 455 | 529 | 273 | 2.35 | 10.28 | 6.61 | 1.67 | 1.94 |
| -15 | (+ 5) | 2335 | 588 | 684 | 319 | 2.92 | 13.32 | 7.32 | 1.85 | 2.15 |
| -10 | (+14) | 2966 | 747 | 869 | 368 | 3.52 | 16.99 | 8.06 | 2.03 | 2.36 |
| -5 | (+23) | 3710 | 935 | 1087 | 421 | 4.11 | 21.35 | 8.81 | 2.22 | 2.58 |
| 0 | (+32) | 4577 | 1153 | 1341 | 478 | 4.65 | 26.47 | 9.57 | 2.41 | 2.81 |
| +5 | (+41) | 5578 | 1406 | 1634 | 539 | 5.10 | 32.43 | 10.34 | 2.61 | 3.03 |

| TEST CONDITIONS: @200V3000RPM | | ASHRAE32 Fan | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 465 | 117 | 136 | 123 | 1.33 | 2.62 | 3.79 | 0.96 | 1.11 |
| -35 | (-31) | 677 | 171 | 198 | 158 | 1.29 | 3.84 | 4.29 | 1.08 | 1.26 |
| -30 | (-22) | 951 | 240 | 279 | 198 | 1.48 | 5.40 | 4.82 | 1.21 | 1.41 |
| -25 | (-13) | 1299 | 327 | 381 | 241 | 1.86 | 7.37 | 5.39 | 1.36 | 1.58 |
| -20 | (- 4) | 1729 | 436 | 507 | 288 | 2.38 | 9.83 | 6.00 | 1.51 | 1.76 |
| -15 | (+ 5) | 2251 | 567 | 660 | 340 | 3.00 | 12.84 | 6.63 | 1.67 | 1.94 |
| -10 | (+14) | 2877 | 725 | 843 | 395 | 3.68 | 16.47 | 7.28 | 1.83 | 2.13 |
| -5 | (+23) | 3615 | 911 | 1059 | 455 | 4.36 | 20.80 | 7.94 | 2.00 | 2.33 |
| 0 | (+32) | 4476 | 1128 | 1312 | 520 | 5.00 | 25.88 | 8.61 | 2.17 | 2.52 |
| +5 | (+41) | 5470 | 1378 | 1603 | 589 | 5.56 | 31.80 | 9.28 | 2.34 | 2.72 |

| TEST CONDITIONS: @200V3000RPM | | ASHRAE32 Fan | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 386 | 97 | 113 | 115 | 1.58 | 2.17 | 3.35 | 0.84 | 0.98 |
| -35 | (-31) | 591 | 149 | 173 | 155 | 1.52 | 3.35 | 3.81 | 0.96 | 1.12 |
| -30 | (-22) | 858 | 216 | 252 | 199 | 1.70 | 4.87 | 4.31 | 1.09 | 1.26 |
| -25 | (-13) | 1198 | 302 | 351 | 247 | 2.09 | 6.80 | 4.84 | 1.22 | 1.42 |
| -20 | (- 4) | 1620 | 408 | 475 | 300 | 2.63 | 9.21 | 5.40 | 1.36 | 1.58 |
| -15 | (+ 5) | 2135 | 538 | 626 | 357 | 3.29 | 12.17 | 5.98 | 1.51 | 1.75 |
| -10 | (+14) | 2752 | 693 | 806 | 419 | 4.01 | 15.76 | 6.57 | 1.66 | 1.92 |
| -5 | (+23) | 3481 | 877 | 1020 | 486 | 4.76 | 20.03 | 7.17 | 1.81 | 2.10 |
| 0 | (+32) | 4333 | 1092 | 1270 | 558 | 5.49 | 25.05 | 7.78 | 1.96 | 2.28 |
| +5 | (+41) | 5317 | 1340 | 1558 | 634 | 6.15 | 30.91 | 8.38 | 2.11 | 2.45 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|------------------|----------|------|-------------------|--|---------------|-----------------|-----------|-------|--|
| @200V3600RPM | | Fan | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -40 (-40) | 634 | 160 | 186 | 148 | 1.96 | 3.58 | 4.26 | 1.07 | 1.25 | |
| -35 (-31) | 872 | 220 | 256 | 180 | 1.91 | 4.95 | 4.87 | 1.23 | 1.43 | |
| -30 (-22) | 1193 | 301 | 350 | 218 | 2.12 | 6.77 | 5.49 | 1.38 | 1.61 | |
| -25 (-13) | 1605 | 404 | 470 | 261 | 2.52 | 9.11 | 6.14 | 1.55 | 1.80 | |
| -20 (- 4) | 2115 | 533 | 620 | 310 | 3.07 | 12.03 | 6.81 | 1.72 | 1.99 | |
| -15 (+ 5) | 2733 | 689 | 801 | 364 | 3.70 | 15.59 | 7.49 | 1.89 | 2.20 | |
| -10 (+14) | 3466 | 873 | 1016 | 422 | 4.37 | 19.85 | 8.20 | 2.07 | 2.40 | |
| -5 (+23) | 4322 | 1089 | 1267 | 485 | 5.02 | 24.87 | 8.92 | 2.25 | 2.61 | |
| 0 (+32) | 5310 | 1338 | 1556 | 550 | 5.59 | 30.71 | 9.66 | 2.43 | 2.83 | |
| +5 (+41) | 6438 | 1622 | 1886 | 619 | 6.04 | 37.43 | 10.41 | 2.62 | 3.05 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|------|-------------------|---|---------------|-----------------|-----------|-------|--|
| @200V3600RPM | | Fan | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -40 (-40) | 585 | 147 | 171 | 147 | 1.55 | 3.30 | 3.96 | 1.00 | 1.16 | |
| -35 (-31) | 822 | 207 | 241 | 182 | 1.51 | 4.66 | 4.52 | 1.14 | 1.32 | |
| -30 (-22) | 1142 | 288 | 335 | 225 | 1.74 | 6.48 | 5.09 | 1.28 | 1.49 | |
| -25 (-13) | 1553 | 391 | 455 | 273 | 2.18 | 8.82 | 5.68 | 1.43 | 1.67 | |
| -20 (- 4) | 2062 | 520 | 604 | 328 | 2.79 | 11.73 | 6.28 | 1.58 | 1.84 | |
| -15 (+ 5) | 2679 | 675 | 785 | 388 | 3.51 | 15.28 | 6.90 | 1.74 | 2.02 | |
| -10 (+14) | 3410 | 859 | 999 | 453 | 4.29 | 19.53 | 7.52 | 1.90 | 2.20 | |
| -5 (+23) | 4265 | 1075 | 1250 | 523 | 5.06 | 24.54 | 8.16 | 2.06 | 2.39 | |
| 0 (+32) | 5251 | 1323 | 1539 | 597 | 5.79 | 30.37 | 8.80 | 2.22 | 2.58 | |
| +5 (+41) | 6376 | 1607 | 1868 | 674 | 6.40 | 37.07 | 9.46 | 2.38 | 2.77 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|------|-------------------|---|---------------|-----------------|-----------|-------|--|
| @200V3600RPM | | Fan | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -40 (-40) | 513 | 129 | 150 | 142 | 1.52 | 2.89 | 3.61 | 0.91 | 1.06 | |
| -35 (-31) | 749 | 189 | 219 | 181 | 1.45 | 4.25 | 4.14 | 1.04 | 1.21 | |
| -30 (-22) | 1067 | 269 | 313 | 228 | 1.68 | 6.06 | 4.67 | 1.18 | 1.37 | |
| -25 (-13) | 1476 | 372 | 433 | 283 | 2.15 | 8.38 | 5.22 | 1.32 | 1.53 | |
| -20 (- 4) | 1984 | 500 | 581 | 343 | 2.81 | 11.28 | 5.77 | 1.45 | 1.69 | |
| -15 (+ 5) | 2598 | 655 | 761 | 411 | 3.59 | 14.82 | 6.33 | 1.59 | 1.85 | |
| -10 (+14) | 3327 | 838 | 975 | 483 | 4.45 | 19.05 | 6.89 | 1.74 | 2.02 | |
| -5 (+23) | 4179 | 1053 | 1225 | 561 | 5.32 | 24.04 | 7.45 | 1.88 | 2.18 | |
| 0 (+32) | 5162 | 1301 | 1513 | 644 | 6.17 | 29.85 | 8.02 | 2.02 | 2.35 | |
| +5 (+41) | 6285 | 1584 | 1842 | 731 | 6.93 | 36.54 | 8.59 | 2.16 | 2.52 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @200V3600RPM | | ASHRAE32 Fan | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 419 | 106 | 123 | 132 | 1.85 | 2.36 | 3.19 | 0.80 | 0.93 | |
| -35 (-31) | 653 | 165 | 191 | 176 | 1.74 | 3.70 | 3.70 | 0.93 | 1.08 | |
| -30 (-22) | 969 | 244 | 284 | 229 | 1.95 | 5.50 | 4.22 | 1.06 | 1.24 | |
| -25 (-13) | 1375 | 347 | 403 | 290 | 2.42 | 7.81 | 4.73 | 1.19 | 1.39 | |
| -20 (- 4) | 1880 | 474 | 551 | 357 | 3.09 | 10.69 | 5.25 | 1.32 | 1.54 | |
| -15 (+ 5) | 2491 | 628 | 730 | 432 | 3.91 | 14.21 | 5.76 | 1.45 | 1.69 | |
| -10 (+14) | 3217 | 811 | 943 | 513 | 4.83 | 18.42 | 6.28 | 1.58 | 1.84 | |
| -5 (+23) | 4065 | 1024 | 1191 | 600 | 5.79 | 23.39 | 6.79 | 1.71 | 1.99 | |
| 0 (+32) | 5045 | 1271 | 1478 | 692 | 6.74 | 29.17 | 7.29 | 1.84 | 2.14 | |
| +5 (+41) | 6163 | 1553 | 1806 | 790 | 7.62 | 35.83 | 7.79 | 1.96 | 2.28 | |

| TEST CONDITIONS: @200V4500RPM | | ASHRAE32 Fan | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|---------------------------------------|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 730 | 184 | 214 | 185 | 2.39 | 4.12 | 3.92 | 0.99 | 1.15 | |
| -35 (-31) | 975 | 246 | 286 | 220 | 2.28 | 5.52 | 4.48 | 1.13 | 1.31 | |
| -30 (-22) | 1351 | 341 | 396 | 270 | 2.55 | 7.66 | 5.02 | 1.26 | 1.47 | |
| -25 (-13) | 1849 | 466 | 542 | 332 | 3.10 | 10.49 | 5.56 | 1.40 | 1.63 | |
| -20 (- 4) | 2458 | 619 | 720 | 401 | 3.84 | 13.98 | 6.11 | 1.54 | 1.79 | |
| -15 (+ 5) | 3170 | 799 | 929 | 472 | 4.66 | 18.09 | 6.69 | 1.69 | 1.96 | |
| -10 (+14) | 3975 | 1002 | 1165 | 543 | 5.47 | 22.77 | 7.32 | 1.84 | 2.14 | |
| -5 (+23) | 4864 | 1226 | 1425 | 609 | 6.17 | 27.99 | 8.01 | 2.02 | 2.35 | |
| 0 (+32) | 5828 | 1469 | 1708 | 666 | 6.67 | 33.70 | 8.77 | 2.21 | 2.57 | |
| +5 (+41) | 6857 | 1728 | 2009 | 710 | 6.86 | 39.88 | 9.63 | 2.43 | 2.82 | |

| TEST CONDITIONS: @200V4500RPM | | ASHRAE32 Fan | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|----------------------------|-----------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 (-40) | 641 | 162 | 188 | 177 | 1.83 | 3.62 | 3.60 | 0.91 | 1.06 | |
| -35 (-31) | 899 | 227 | 263 | 219 | 1.75 | 5.09 | 4.14 | 1.04 | 1.21 | |
| -30 (-22) | 1283 | 323 | 376 | 276 | 2.06 | 7.28 | 4.66 | 1.17 | 1.36 | |
| -25 (-13) | 1785 | 450 | 523 | 344 | 2.67 | 10.13 | 5.17 | 1.30 | 1.51 | |
| -20 (- 4) | 2394 | 603 | 702 | 419 | 3.48 | 13.62 | 5.69 | 1.43 | 1.67 | |
| -15 (+ 5) | 3102 | 782 | 909 | 496 | 4.38 | 17.70 | 6.23 | 1.57 | 1.83 | |
| -10 (+14) | 3900 | 983 | 1143 | 572 | 5.29 | 22.34 | 6.81 | 1.72 | 2.00 | |
| -5 (+23) | 4777 | 1204 | 1400 | 642 | 6.10 | 27.48 | 7.45 | 1.88 | 2.18 | |
| 0 (+32) | 5724 | 1443 | 1677 | 703 | 6.72 | 33.10 | 8.17 | 2.06 | 2.39 | |
| +5 (+41) | 6734 | 1697 | 1973 | 750 | 7.04 | 39.15 | 8.96 | 2.26 | 2.63 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @200V4500RPM | | ASHRAE32 Fan | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 551 | 139 | 162 | 166 | 1.74 | 3.11 | 3.30 | 0.83 | 0.97 |
| -35 | (-31) | 813 | 205 | 238 | 215 | 1.66 | 4.61 | 3.82 | 0.96 | 1.12 |
| -30 | (-22) | 1198 | 302 | 351 | 279 | 1.98 | 6.79 | 4.31 | 1.09 | 1.26 |
| -25 | (-13) | 1695 | 427 | 497 | 353 | 2.61 | 9.63 | 4.79 | 1.21 | 1.40 |
| -20 | (- 4) | 2297 | 579 | 673 | 433 | 3.45 | 13.07 | 5.28 | 1.33 | 1.55 |
| -15 | (+ 5) | 2993 | 754 | 877 | 515 | 4.40 | 17.08 | 5.78 | 1.46 | 1.69 |
| -10 | (+14) | 3774 | 951 | 1106 | 596 | 5.37 | 21.61 | 6.32 | 1.59 | 1.85 |
| -5 | (+23) | 4631 | 1167 | 1357 | 671 | 6.25 | 26.64 | 6.91 | 1.74 | 2.03 |
| 0 | (+32) | 5554 | 1400 | 1628 | 736 | 6.96 | 32.11 | 7.57 | 1.91 | 2.22 |
| +5 | (+41) | 6535 | 1647 | 1915 | 786 | 7.38 | 38.00 | 8.30 | 2.09 | 2.43 |

| TEST CONDITIONS: @200V4500RPM | | ASHRAE32 Fan | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 460 | 116 | 135 | 152 | 2.12 | 2.59 | 3.00 | 0.76 | 0.88 |
| -35 | (-31) | 718 | 181 | 210 | 208 | 2.00 | 4.07 | 3.50 | 0.88 | 1.03 |
| -30 | (-22) | 1094 | 276 | 321 | 278 | 2.30 | 6.21 | 3.97 | 1.00 | 1.16 |
| -25 | (-13) | 1580 | 398 | 463 | 358 | 2.92 | 8.97 | 4.42 | 1.11 | 1.30 |
| -20 | (- 4) | 2165 | 546 | 634 | 443 | 3.76 | 12.32 | 4.87 | 1.23 | 1.43 |
| -15 | (+ 5) | 2841 | 716 | 832 | 531 | 4.72 | 16.21 | 5.33 | 1.34 | 1.56 |
| -10 | (+14) | 3597 | 907 | 1054 | 616 | 5.72 | 20.60 | 5.83 | 1.47 | 1.71 |
| -5 | (+23) | 4426 | 1115 | 1297 | 695 | 6.64 | 25.46 | 6.37 | 1.60 | 1.87 |
| 0 | (+32) | 5317 | 1340 | 1558 | 764 | 7.40 | 30.74 | 6.97 | 1.76 | 2.04 |
| +5 | (+41) | 6262 | 1578 | 1835 | 818 | 7.89 | 36.41 | 7.64 | 1.93 | 2.24 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|-------------------------------|------|--------------------------|
| 1 Base plate | Universal EG/F/AMEM version 2 | | |
| 2 Tray holder | No | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 8.2 +0.12/-0.08 | [mm] | (0.323" +0.005"/-0.003") |
| 3.1.1 Material | Copper | | |
| 3.1.2 Shape | Straight | | |
| 3.2 DISCHARGE | 6.5 +0.12/-0.08 | [mm] | (0.256" +0.005"/-0.003") |
| 3.2.1 Material | Copper | | |
| 3.2.2 Shape | Straight | | |
| 3.3 PROCESS | 6.5 +0.12/-0.08 | [mm] | (0.256" +0.005"/-0.003") |
| 3.3.1 Material | Copper | | |
| 3.3.2 Shape | Straight | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |