

COMPRESSOR DEFINITION

| | |
|---------------------------|-----------------|
| Designation | VEG Y8H |
| Nominal Voltage/Frequency | 230 V 53-150 Hz |
| Engineering Number | 513800047 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|--|-----------------------------------|-----------------------------------|--------------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-134a | | |
| 3 Nominal voltage and frequency | 230 / 53-150 | [V / Hz] | |
| 4 Application type | Low Back Pressure | | |
| 4.1 Evaporating temperature range | -35°C to -10°C | (-31°F to 14°F) | |
| 5 Motor type | BPM | | |
| 6 Starting torque | LST - Low Starting Torque | | |
| 7 Expansion device | Capillary tube | | |
| 8 Compressor cooling | Operating voltage range | | |
| | | 50 Hz | 60 Hz |
| 8.1 LBP (32°C Ambient temperature) | Static | 103 to 140 V | 103 to 140 V |
| 8.2 LBP (43°C Ambient temperature) | Static | 103 to 140 V | 103 to 140 V |
| 8.3 HBP (32°C Ambient temperature) | - | - | - |
| 8.4 HBP (43°C Ambient temperature) | - | - | - |
| 9 Maximum condensing pressures/temperature | | | |
| 9.1 Operating (gauge) | 16.2 | [kgf/cm ²] (230 psig) | / °C - °F |
| 9.2 Peak (gauge) | 20.6 | [kgf/cm ²] (293 psig) | / °C - °F |
| 10 Maximum winding temperature | 130 | [°C] | |

B - MECHANICAL DATA

| | | |
|-------------------------------|---------------|--|
| 1 Commercial designation | 1/4 | [hp] |
| 2 Displacement | 7.95 | [cm ³] (0.485 cu.in) |
| 2.1 Bore [mm] | 22.500 | |
| 2.2 Stroke [mm] | 20.000 | |
| 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) | 10.94 | [kg] (24.12 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 53-150 Hz 3 ~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | EU155601N00/EU155602B04/EU155602B06 | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | EU155602B06 | |
| 6 Start winding resistance | 6.40 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 6.40 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (50/60 Hz) | 3.30 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (50/60 Hz) | 3.30 | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (50/60 Hz) | - | [A] - Measured according to UL 984 |
| 11 Approval boards certification | UL | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| TEST CONDITIONS: @115V1600RPM | | | ASHRAELBP32 Static | | 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] |
| 450 | 113 | 132 | 76 | 1.00 | 2.56 | 5.94 | 1.50 | 1.74 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| TEST CONDITIONS: @115V2000RPM | | | ASHRAELBP32 Static | | 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] |
| 555 | 140 | 163 | 92 | 1.22 | 3.15 | 6.04 | 1.52 | 1.77 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| TEST CONDITIONS: @115V2250RPM | | | ASHRAELBP32 Static | | 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] |
| 655 | 165 | 192 | 108 | 1.41 | 3.72 | 6.05 | 1.52 | 1.77 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| TEST CONDITIONS: @115V3000RPM | | | ASHRAELBP32 Static | | 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] |
| 870 | 219 | 255 | 149 | 1.88 | 4.94 | 5.84 | 1.47 | 1.71 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| TEST CONDITIONS: @115V4500RPM | | | ASHRAELBP32 Static | | 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] |
| 1090 | 275 | 319 | 197 | 2.44 | 6.19 | 5.53 | 1.39 | 1.62 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V1600RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 257 | 65 | 75 | 47 | 0.65 | 1.45 | 5.45 | 1.37 | 1.60 | |
| -30 (-22) | 378 | 95 | 111 | 56 | 0.76 | 2.14 | 6.62 | 1.67 | 1.94 | |
| -25 (-13) | 497 | 125 | 146 | 64 | 0.86 | 2.82 | 7.70 | 1.94 | 2.26 | |
| -20 (- 4) | 627 | 158 | 184 | 72 | 0.96 | 3.57 | 8.76 | 2.21 | 2.57 | |
| -15 (+ 5) | 779 | 196 | 228 | 79 | 1.05 | 4.45 | 9.89 | 2.49 | 2.90 | |
| -10 (+14) | 966 | 243 | 283 | 86 | 1.15 | 5.53 | 11.19 | 2.82 | 3.28 | |

| TEST CONDITIONS: @115V1600RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 237 | 60 | 69 | 48 | 0.70 | 1.34 | 4.99 | 1.26 | 1.46 | |
| -30 (-22) | 347 | 88 | 102 | 58 | 0.80 | 1.97 | 5.93 | 1.49 | 1.74 | |
| -25 (-13) | 460 | 116 | 135 | 68 | 0.90 | 2.61 | 6.76 | 1.70 | 1.98 | |
| -20 (- 4) | 587 | 148 | 172 | 78 | 1.01 | 3.34 | 7.58 | 1.91 | 2.22 | |
| -15 (+ 5) | 740 | 186 | 217 | 87 | 1.13 | 4.22 | 8.47 | 2.13 | 2.48 | |
| -10 (+14) | 932 | 235 | 273 | 97 | 1.26 | 5.34 | 9.53 | 2.40 | 2.79 | |

| TEST CONDITIONS: @115V1600RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 206 | 52 | 60 | 48 | 0.68 | 1.16 | 4.30 | 1.08 | 1.26 | |
| -30 (-22) | 304 | 77 | 89 | 60 | 0.79 | 1.72 | 5.06 | 1.27 | 1.48 | |
| -25 (-13) | 408 | 103 | 120 | 72 | 0.91 | 2.32 | 5.71 | 1.44 | 1.67 | |
| -20 (- 4) | 530 | 134 | 155 | 84 | 1.05 | 3.02 | 6.34 | 1.60 | 1.86 | |
| -15 (+ 5) | 683 | 172 | 200 | 97 | 1.21 | 3.90 | 7.05 | 1.78 | 2.07 | |
| -10 (+14) | 879 | 221 | 257 | 110 | 1.40 | 5.03 | 7.92 | 2.00 | 2.32 | |

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 326 | 82 | 96 | 57 | 0.81 | 1.84 | 5.72 | 1.44 | 1.68 | |
| -30 (-22) | 448 | 113 | 131 | 65 | 0.88 | 2.54 | 6.80 | 1.71 | 1.99 | |
| -25 (-13) | 589 | 148 | 173 | 75 | 0.99 | 3.34 | 7.81 | 1.97 | 2.29 | |
| -20 (- 4) | 755 | 190 | 221 | 86 | 1.12 | 4.30 | 8.83 | 2.23 | 2.59 | |
| -15 (+ 5) | 955 | 241 | 280 | 96 | 1.27 | 5.45 | 9.96 | 2.51 | 2.92 | |
| -10 (+14) | 1197 | 302 | 351 | 107 | 1.42 | 6.86 | 11.26 | 2.84 | 3.30 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Static | | | (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] |
| -35 | (-31) | 290 | 73 | 85 | 58 | 0.85 | 1.64 | 5.05 | 1.27 | 1.48 |
| -30 | (-22) | 411 | 103 | 120 | 69 | 0.95 | 2.33 | 5.95 | 1.50 | 1.74 |
| -25 | (-13) | 551 | 139 | 161 | 81 | 1.09 | 3.13 | 6.78 | 1.71 | 1.99 |
| -20 | (- 4) | 719 | 181 | 211 | 94 | 1.24 | 4.09 | 7.62 | 1.92 | 2.23 |
| -15 | (+ 5) | 922 | 232 | 270 | 107 | 1.40 | 5.26 | 8.57 | 2.16 | 2.51 |
| -10 | (+14) | 1168 | 294 | 342 | 120 | 1.56 | 6.69 | 9.70 | 2.44 | 2.84 |

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Static | | | (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] |
| -35 | (-31) | 269 | 68 | 79 | 59 | 0.83 | 1.52 | 4.57 | 1.15 | 1.34 |
| -30 | (-22) | 375 | 94 | 110 | 72 | 0.98 | 2.12 | 5.24 | 1.32 | 1.54 |
| -25 | (-13) | 502 | 127 | 147 | 87 | 1.15 | 2.85 | 5.84 | 1.47 | 1.71 |
| -20 | (- 4) | 659 | 166 | 193 | 103 | 1.34 | 3.75 | 6.45 | 1.62 | 1.89 |
| -15 | (+ 5) | 853 | 215 | 250 | 119 | 1.54 | 4.87 | 7.16 | 1.80 | 2.10 |
| -10 | (+14) | 1092 | 275 | 320 | 135 | 1.74 | 6.25 | 8.05 | 2.03 | 2.36 |

| TEST CONDITIONS: @115V2250RPM | | ASHRAE32 Static | | | (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] |
| -35 | (-31) | 421 | 106 | 123 | 74 | 1.04 | 2.38 | 5.69 | 1.43 | 1.67 |
| -30 | (-22) | 544 | 137 | 160 | 82 | 0.94 | 3.09 | 6.61 | 1.67 | 1.94 |
| -25 | (-13) | 694 | 175 | 203 | 92 | 1.20 | 3.94 | 7.55 | 1.90 | 2.21 |
| -20 | (- 4) | 875 | 221 | 256 | 102 | 1.64 | 4.98 | 8.57 | 2.16 | 2.51 |
| -15 | (+ 5) | 1094 | 276 | 321 | 113 | 2.11 | 6.25 | 9.75 | 2.46 | 2.86 |
| -10 | (+14) | 1356 | 342 | 397 | 122 | 2.45 | 7.77 | 11.16 | 2.81 | 3.27 |

| TEST CONDITIONS: @115V2250RPM | | ASHRAE32 Static | | | (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] |
| -35 | (-31) | 384 | 97 | 112 | 76 | 1.10 | 2.17 | 5.06 | 1.27 | 1.48 |
| -30 | (-22) | 504 | 127 | 148 | 86 | 1.04 | 2.86 | 5.84 | 1.47 | 1.71 |
| -25 | (-13) | 651 | 164 | 191 | 98 | 1.32 | 3.70 | 6.63 | 1.67 | 1.94 |
| -20 | (- 4) | 830 | 209 | 243 | 110 | 1.76 | 4.73 | 7.49 | 1.89 | 2.19 |
| -15 | (+ 5) | 1047 | 264 | 307 | 123 | 2.21 | 5.98 | 8.48 | 2.14 | 2.49 |
| -10 | (+14) | 1307 | 329 | 383 | 135 | 2.49 | 7.49 | 9.68 | 2.44 | 2.84 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V2250RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 368 | 93 | 108 | 79 | 1.08 | 2.08 | 4.64 | 1.17 | 1.36 | |
| -30 (-22) | 471 | 119 | 138 | 90 | 1.07 | 2.67 | 5.24 | 1.32 | 1.54 | |
| -25 (-13) | 601 | 151 | 176 | 104 | 1.37 | 3.41 | 5.83 | 1.47 | 1.71 | |
| -20 (- 4) | 762 | 192 | 223 | 118 | 1.81 | 4.34 | 6.47 | 1.63 | 1.90 | |
| -15 (+ 5) | 962 | 242 | 282 | 133 | 2.24 | 5.49 | 7.23 | 1.82 | 2.12 | |
| -10 (+14) | 1205 | 304 | 353 | 147 | 2.49 | 6.90 | 8.18 | 2.06 | 2.40 | |

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 516 | 130 | 151 | 95 | 1.31 | 2.92 | 5.41 | 1.36 | 1.59 | |
| -30 (-22) | 640 | 161 | 187 | 103 | 1.40 | 3.62 | 6.27 | 1.58 | 1.84 | |
| -25 (-13) | 846 | 213 | 248 | 119 | 1.59 | 4.80 | 7.10 | 1.79 | 2.08 | |
| -20 (- 4) | 1120 | 282 | 328 | 140 | 1.83 | 6.38 | 7.97 | 2.01 | 2.33 | |
| -15 (+ 5) | 1446 | 364 | 424 | 161 | 2.09 | 8.26 | 8.95 | 2.26 | 2.62 | |
| -10 (+14) | 1807 | 455 | 530 | 179 | 2.32 | 10.36 | 10.14 | 2.56 | 2.97 | |

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 473 | 119 | 139 | 97 | 1.39 | 2.68 | 4.87 | 1.23 | 1.43 | |
| -30 (-22) | 622 | 157 | 182 | 112 | 1.54 | 3.53 | 5.60 | 1.41 | 1.64 | |
| -25 (-13) | 834 | 210 | 244 | 133 | 1.75 | 4.73 | 6.29 | 1.58 | 1.84 | |
| -20 (- 4) | 1092 | 275 | 320 | 155 | 1.99 | 6.21 | 7.02 | 1.77 | 2.06 | |
| -15 (+ 5) | 1380 | 348 | 404 | 176 | 2.21 | 7.88 | 7.88 | 1.99 | 2.31 | |
| -10 (+14) | 1684 | 424 | 493 | 189 | 2.38 | 9.65 | 8.93 | 2.25 | 2.62 | |

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 411 | 104 | 120 | 94 | 1.32 | 2.32 | 4.37 | 1.10 | 1.28 | |
| -30 (-22) | 581 | 146 | 170 | 116 | 1.54 | 3.29 | 5.00 | 1.26 | 1.47 | |
| -25 (-13) | 792 | 200 | 232 | 141 | 1.80 | 4.50 | 5.59 | 1.41 | 1.64 | |
| -20 (- 4) | 1029 | 259 | 301 | 165 | 2.05 | 5.85 | 6.22 | 1.57 | 1.82 | |
| -15 (+ 5) | 1275 | 321 | 374 | 183 | 2.26 | 7.28 | 6.97 | 1.76 | 2.04 | |
| -10 (+14) | 1516 | 382 | 444 | 193 | 2.39 | 8.68 | 7.92 | 2.00 | 2.32 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V4500RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 641 | 162 | 188 | 136 | 1.84 | 3.63 | 4.72 | 1.19 | 1.38 | |
| -30 (-22) | 919 | 232 | 269 | 170 | 2.15 | 5.21 | 5.40 | 1.36 | 1.58 | |
| -25 (-13) | 1185 | 299 | 347 | 187 | 2.34 | 6.73 | 6.34 | 1.60 | 1.86 | |
| -20 (- 4) | 1445 | 364 | 423 | 194 | 2.45 | 8.23 | 7.50 | 1.89 | 2.20 | |
| -15 (+ 5) | 1706 | 430 | 500 | 194 | 2.50 | 9.74 | 8.79 | 2.22 | 2.58 | |
| -10 (+14) | 1974 | 497 | 578 | 192 | 2.53 | 11.31 | 10.17 | 2.56 | 2.98 | |

| TEST CONDITIONS: @115V4500RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 608 | 153 | 178 | 138 | 1.86 | 3.44 | 4.41 | 1.11 | 1.29 | |
| -30 (-22) | 868 | 219 | 254 | 173 | 2.18 | 4.92 | 4.97 | 1.25 | 1.46 | |
| -25 (-13) | 1109 | 280 | 325 | 192 | 2.37 | 6.30 | 5.79 | 1.46 | 1.70 | |
| -20 (- 4) | 1338 | 337 | 392 | 198 | 2.46 | 7.61 | 6.79 | 1.71 | 1.99 | |
| -15 (+ 5) | 1559 | 393 | 457 | 197 | 2.49 | 8.90 | 7.93 | 2.00 | 2.32 | |
| -10 (+14) | 1779 | 448 | 521 | 194 | 2.49 | 10.19 | 9.13 | 2.30 | 2.67 | |

| TEST CONDITIONS: @115V4500RPM | | ASHRAE32 Static | | | (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] |
| -35 (-31) | 569 | 143 | 167 | 140 | 1.91 | 3.22 | 4.08 | 1.03 | 1.19 | |
| -30 (-22) | 806 | 203 | 236 | 176 | 2.23 | 4.57 | 4.52 | 1.14 | 1.33 | |
| -25 (-13) | 1017 | 256 | 298 | 194 | 2.41 | 5.77 | 5.21 | 1.31 | 1.53 | |
| -20 (- 4) | 1207 | 304 | 354 | 199 | 2.49 | 6.87 | 6.08 | 1.53 | 1.78 | |
| -15 (+ 5) | 1383 | 349 | 405 | 197 | 2.49 | 7.89 | 7.06 | 1.78 | 2.07 | |
| -10 (+14) | 1551 | 391 | 454 | 191 | 2.45 | 8.88 | 8.09 | 2.04 | 2.37 | |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|-------------------------------|------|--------------------------|
| 1 Base plate | Universal EG/F/AMEM version 2 | | |
| 2 Tray holder | No | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 6.5 +0.12/-0.08 | [mm] | (0.256" +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 | | |