

COMPRESSOR DEFINITION

| | |
|---------------------------|-----------------|
| Designation | VEG C8H |
| Nominal Voltage/Frequency | 230 V 46-133 Hz |
| Engineering Number | 513804025 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|------------------------------------|-----------------------------------|-----------------------------------|-------------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-134a | | |
| 3 Nominal voltage and frequency | 230 / 46-133 | [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 | 85 to 140 V | 85 to 140 V |
| 8.2 LBP (43°C Ambient temperature) | Static | 85 to 140 V | 85 to 140 V |
| 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 | 1/4 | [hp] |
| 2 Displacement | 8.03 | [cm ³] (0.490 cu.in) |
| 2.1 Bore [mm] | 22.500 | |
| 2.2 Stroke [mm] | 20.200 | |
| 3 Lubricant charge | 350 | [ml] (11.84 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ESTER / ISO10 | |
| 4 Weight (with oil charge) | 10.28 | [kg] (22.66 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 46-133 Hz 3~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | VCC3 1156 XXXXX | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | VCC31156XXXXX | |
| 6 Start winding resistance | 12.03 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 12.03 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (50/60 Hz) | 3.30/3.30/3.30 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (50/60 Hz) | 3.30/3.30/3.30 | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (50/60 Hz) | 3.30/3.30/3.30 | [A] - Measured according to UL 984 |
| 11 Approval boards certification | CE - UKCA - UL | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| TEST CONDITIONS: @115V1400RPM | | | 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] |
| 427 | 108 | 125 | 72 | 1.14 | 2.43 | 5.91 | 1.49 | 1.73 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| 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] |
| 447 | 113 | 131 | 75 | 1.17 | 2.54 | 5.96 | 1.50 | 1.75 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| 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] |
| 567 | 143 | 166 | 97 | 1.43 | 3.22 | 5.86 | 1.48 | 1.72 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| 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] |
| 849 | 214 | 249 | 145 | 2.04 | 4.82 | 5.84 | 1.47 | 1.71 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|--|-----------|-------|
| TEST CONDITIONS: @115V4000RPM | | | 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] |
| 1051 | 265 | 308 | 184 | 2.52 | 5.97 | 5.71 | 1.44 | 1.67 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V1400RPM | | 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) | 235 | 59 | 69 | 40 | 0.60 | 1.33 | 5.89 | 1.48 | 1.73 | |
| -30 (-22) | 320 | 81 | 94 | 48 | 0.80 | 1.82 | 6.72 | 1.69 | 1.97 | |
| -25 (-13) | 425 | 107 | 125 | 56 | 0.96 | 2.41 | 7.59 | 1.91 | 2.23 | |
| -20 (- 4) | 556 | 140 | 163 | 65 | 1.10 | 3.16 | 8.58 | 2.16 | 2.51 | |
| -15 (+ 5) | 718 | 181 | 210 | 74 | 1.23 | 4.10 | 9.72 | 2.45 | 2.85 | |
| -10 (+14) | 918 | 231 | 269 | 83 | 1.35 | 5.26 | 11.07 | 2.79 | 3.24 | |

| TEST CONDITIONS: @115V1400RPM | | 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) | 216 | 54 | 63 | 42 | 0.61 | 1.22 | 5.20 | 1.31 | 1.52 | |
| -30 (-22) | 300 | 76 | 88 | 51 | 0.84 | 1.70 | 5.89 | 1.48 | 1.73 | |
| -25 (-13) | 403 | 102 | 118 | 61 | 1.04 | 2.29 | 6.58 | 1.66 | 1.93 | |
| -20 (- 4) | 532 | 134 | 156 | 73 | 1.22 | 3.02 | 7.32 | 1.84 | 2.14 | |
| -15 (+ 5) | 692 | 174 | 203 | 85 | 1.39 | 3.95 | 8.16 | 2.06 | 2.39 | |
| -10 (+14) | 891 | 225 | 261 | 97 | 1.55 | 5.10 | 9.16 | 2.31 | 2.68 | |

| TEST CONDITIONS: @115V1400RPM | | 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) | 188 | 47 | 55 | 42 | 0.62 | 1.06 | 4.47 | 1.13 | 1.31 | |
| -30 (-22) | 275 | 69 | 80 | 53 | 0.89 | 1.56 | 5.13 | 1.29 | 1.50 | |
| -25 (-13) | 381 | 96 | 112 | 67 | 1.13 | 2.16 | 5.74 | 1.45 | 1.68 | |
| -20 (- 4) | 513 | 129 | 150 | 81 | 1.35 | 2.92 | 6.34 | 1.60 | 1.86 | |
| -15 (+ 5) | 677 | 171 | 198 | 97 | 1.56 | 3.86 | 7.00 | 1.76 | 2.05 | |
| -10 (+14) | 879 | 222 | 258 | 113 | 1.77 | 5.04 | 7.76 | 1.95 | 2.27 | |

| 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) | 271 | 68 | 79 | 45 | 0.78 | 1.53 | 5.98 | 1.51 | 1.75 | |
| -30 (-22) | 362 | 91 | 106 | 54 | 0.92 | 2.05 | 6.74 | 1.70 | 1.98 | |
| -25 (-13) | 473 | 119 | 139 | 62 | 1.06 | 2.68 | 7.59 | 1.91 | 2.22 | |
| -20 (- 4) | 608 | 153 | 178 | 71 | 1.20 | 3.46 | 8.57 | 2.16 | 2.51 | |
| -15 (+ 5) | 771 | 194 | 226 | 80 | 1.32 | 4.40 | 9.71 | 2.45 | 2.85 | |
| -10 (+14) | 969 | 244 | 284 | 88 | 1.43 | 5.55 | 11.08 | 2.79 | 3.25 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V1600RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 244 | 61 | 72 | 47 | 0.80 | 1.38 | 5.24 | 1.32 | 1.54 | |
| -30 (-22) | 335 | 85 | 98 | 57 | 0.97 | 1.90 | 5.91 | 1.49 | 1.73 | |
| -25 (-13) | 445 | 112 | 130 | 67 | 1.14 | 2.53 | 6.59 | 1.66 | 1.93 | |
| -20 (- 4) | 578 | 146 | 169 | 79 | 1.30 | 3.29 | 7.33 | 1.85 | 2.15 | |
| -15 (+ 5) | 738 | 186 | 216 | 90 | 1.46 | 4.21 | 8.18 | 2.06 | 2.40 | |
| -10 (+14) | 930 | 234 | 273 | 101 | 1.61 | 5.33 | 9.19 | 2.31 | 2.69 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V1600RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 212 | 53 | 62 | 47 | 0.83 | 1.20 | 4.49 | 1.13 | 1.32 | |
| -30 (-22) | 304 | 77 | 89 | 59 | 1.02 | 1.72 | 5.15 | 1.30 | 1.51 | |
| -25 (-13) | 413 | 104 | 121 | 72 | 1.21 | 2.35 | 5.76 | 1.45 | 1.69 | |
| -20 (- 4) | 544 | 137 | 159 | 86 | 1.41 | 3.09 | 6.36 | 1.60 | 1.86 | |
| -15 (+ 5) | 701 | 177 | 205 | 100 | 1.60 | 4.00 | 7.01 | 1.77 | 2.06 | |
| -10 (+14) | 889 | 224 | 261 | 114 | 1.79 | 5.09 | 7.75 | 1.95 | 2.27 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|---------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V2000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 338 | 85 | 99 | 58 | 0.87 | 1.91 | 5.85 | 1.47 | 1.71 | |
| -30 (-22) | 438 | 110 | 128 | 67 | 1.03 | 2.48 | 6.55 | 1.65 | 1.92 | |
| -25 (-13) | 572 | 144 | 168 | 78 | 1.21 | 3.25 | 7.38 | 1.86 | 2.16 | |
| -20 (- 4) | 744 | 187 | 218 | 89 | 1.40 | 4.23 | 8.36 | 2.11 | 2.45 | |
| -15 (+ 5) | 958 | 241 | 281 | 101 | 1.59 | 5.47 | 9.51 | 2.40 | 2.79 | |
| -10 (+14) | 1219 | 307 | 357 | 112 | 1.76 | 6.98 | 10.88 | 2.74 | 3.19 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V2000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 309 | 78 | 91 | 59 | 0.99 | 1.75 | 5.23 | 1.32 | 1.53 | |
| -30 (-22) | 418 | 105 | 123 | 72 | 1.16 | 2.37 | 5.82 | 1.47 | 1.70 | |
| -25 (-13) | 554 | 140 | 162 | 85 | 1.36 | 3.15 | 6.48 | 1.63 | 1.90 | |
| -20 (- 4) | 721 | 182 | 211 | 99 | 1.56 | 4.10 | 7.24 | 1.82 | 2.12 | |
| -15 (+ 5) | 922 | 232 | 270 | 113 | 1.76 | 5.26 | 8.14 | 2.05 | 2.38 | |
| -10 (+14) | 1161 | 293 | 340 | 126 | 1.94 | 6.65 | 9.20 | 2.32 | 2.69 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V2000RPM | | Static | | | | | | | | |
| 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] | |
| -35 (-31) | 281 | 71 | 82 | 63 | 1.06 | 1.59 | 4.47 | 1.13 | 1.31 | |
| -30 (-22) | 392 | 99 | 115 | 77 | 1.24 | 2.22 | 5.04 | 1.27 | 1.48 | |
| -25 (-13) | 522 | 132 | 153 | 93 | 1.45 | 2.96 | 5.62 | 1.42 | 1.65 | |
| -20 (- 4) | 675 | 170 | 198 | 108 | 1.67 | 3.84 | 6.26 | 1.58 | 1.84 | |
| -15 (+ 5) | 855 | 215 | 250 | 123 | 1.88 | 4.88 | 6.99 | 1.76 | 2.05 | |
| -10 (+14) | 1065 | 268 | 312 | 136 | 2.07 | 6.10 | 7.83 | 1.97 | 2.30 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|---------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V3000RPM | | Static | | | | | | | | |
| 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] | |
| -35 (-31) | 485 | 122 | 142 | 85 | 1.26 | 2.74 | 5.70 | 1.44 | 1.67 | |
| -30 (-22) | 644 | 162 | 189 | 100 | 1.42 | 3.65 | 6.46 | 1.63 | 1.89 | |
| -25 (-13) | 854 | 215 | 250 | 118 | 1.67 | 4.85 | 7.27 | 1.83 | 2.13 | |
| -20 (- 4) | 1116 | 281 | 327 | 136 | 1.97 | 6.35 | 8.20 | 2.07 | 2.40 | |
| -15 (+ 5) | 1432 | 361 | 420 | 153 | 2.26 | 8.18 | 9.32 | 2.35 | 2.73 | |
| -10 (+14) | 1802 | 454 | 528 | 169 | 2.50 | 10.32 | 10.70 | 2.70 | 3.14 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V3000RPM | | Static | | | | | | | | |
| 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] | |
| -35 (-31) | 461 | 116 | 135 | 95 | 1.45 | 2.61 | 4.85 | 1.22 | 1.42 | |
| -30 (-22) | 617 | 155 | 181 | 110 | 1.58 | 3.50 | 5.60 | 1.41 | 1.64 | |
| -25 (-13) | 809 | 204 | 237 | 129 | 1.82 | 4.59 | 6.30 | 1.59 | 1.85 | |
| -20 (- 4) | 1038 | 262 | 304 | 148 | 2.11 | 5.91 | 7.03 | 1.77 | 2.06 | |
| -15 (+ 5) | 1306 | 329 | 383 | 166 | 2.40 | 7.46 | 7.87 | 1.98 | 2.31 | |
| -10 (+14) | 1614 | 407 | 473 | 182 | 2.63 | 9.25 | 8.88 | 2.24 | 2.60 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V3000RPM | | Static | | | | | | | | |
| 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] | |
| -35 (-31) | 408 | 103 | 120 | 96 | 1.55 | 2.31 | 4.26 | 1.07 | 1.25 | |
| -30 (-22) | 580 | 146 | 170 | 114 | 1.69 | 3.29 | 5.07 | 1.28 | 1.49 | |
| -25 (-13) | 773 | 195 | 227 | 134 | 1.94 | 4.39 | 5.76 | 1.45 | 1.69 | |
| -20 (- 4) | 989 | 249 | 290 | 155 | 2.25 | 5.63 | 6.38 | 1.61 | 1.87 | |
| -15 (+ 5) | 1229 | 310 | 360 | 175 | 2.56 | 7.01 | 7.03 | 1.77 | 2.06 | |
| -10 (+14) | 1493 | 376 | 438 | 193 | 2.83 | 8.55 | 7.76 | 1.95 | 2.27 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V4000RPM | | 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] |
| -35 | (-31) | 669 | 169 | 196 | 125 | 1.79 | 3.79 | 5.36 | 1.35 | 1.57 |
| -30 | (-22) | 889 | 224 | 261 | 146 | 2.08 | 5.04 | 6.11 | 1.54 | 1.79 |
| -25 | (-13) | 1143 | 288 | 335 | 164 | 2.41 | 6.49 | 6.96 | 1.75 | 2.04 |
| -20 | (- 4) | 1432 | 361 | 420 | 179 | 2.73 | 8.15 | 7.99 | 2.01 | 2.34 |
| -15 | (+ 5) | 1757 | 443 | 515 | 190 | 2.99 | 10.03 | 9.24 | 2.33 | 2.71 |
| -10 | (+14) | 2120 | 534 | 621 | 197 | 3.17 | 12.15 | 10.78 | 2.72 | 3.16 |

| TEST CONDITIONS: @115V4000RPM | | 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] |
| -35 | (-31) | 581 | 146 | 170 | 131 | 1.92 | 3.29 | 4.43 | 1.12 | 1.30 |
| -30 | (-22) | 809 | 204 | 237 | 153 | 2.20 | 4.59 | 5.30 | 1.33 | 1.55 |
| -25 | (-13) | 1057 | 266 | 310 | 171 | 2.52 | 6.00 | 6.16 | 1.55 | 1.80 |
| -20 | (- 4) | 1326 | 334 | 389 | 187 | 2.83 | 7.55 | 7.08 | 1.78 | 2.07 |
| -15 | (+ 5) | 1618 | 408 | 474 | 199 | 3.09 | 9.24 | 8.11 | 2.04 | 2.38 |
| -10 | (+14) | 1934 | 487 | 567 | 207 | 3.25 | 11.08 | 9.32 | 2.35 | 2.73 |

| TEST CONDITIONS: @115V4000RPM | | 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] |
| -35 | (-31) | 499 | 126 | 146 | 134 | 1.98 | 2.82 | 3.73 | 0.94 | 1.09 |
| -30 | (-22) | 731 | 184 | 214 | 154 | 2.28 | 4.14 | 4.73 | 1.19 | 1.38 |
| -25 | (-13) | 968 | 244 | 284 | 173 | 2.61 | 5.49 | 5.61 | 1.41 | 1.64 |
| -20 | (- 4) | 1212 | 305 | 355 | 189 | 2.93 | 6.90 | 6.44 | 1.62 | 1.89 |
| -15 | (+ 5) | 1465 | 369 | 429 | 202 | 3.20 | 8.36 | 7.28 | 1.83 | 2.13 |
| -10 | (+14) | 1729 | 436 | 507 | 212 | 3.37 | 9.90 | 8.17 | 2.06 | 2.39 |

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 | 4.94 +0.08/-0.08 | [mm] | (0.194" +0.003"/-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 | | |