

COMPRESSOR DEFINITION

| | |
|---------------------------|------------------------|
| Designation | VEM C9C |
| Nominal Voltage/Frequency | 230 V 40-150 Hz |
| Engineering Number | 513906032 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|--|-----------------------------------|-----------------------------------|--------------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-600a | | |
| 3 Nominal voltage and frequency | 230 / 40-150 | [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 | 187 to 255 V | 187 to 255 V |
| 8.2 LBP (43°C Ambient temperature) | Static | 187 to 255 V | 187 to 255 V |
| 8.3 HBP (32°C Ambient temperature) | - | - | - |
| 8.4 HBP (43°C Ambient temperature) | - | - | - |
| 9 Maximum condensing pressures/temperature | | | |
| 9.1 Operating (gauge) | 7.7 | [kgf/cm ²] (109 psig) | / °C - °F |
| 9.2 Peak (gauge) | 9.8 | [kgf/cm ²] (139 psig) | / °C - °F |
| 10 Maximum winding temperature | 130 | [°C] | |

B - MECHANICAL DATA

| | | |
|-------------------------------|----------------|----------------------------------|
| 1 Commercial designation | 1/5 | [hp] |
| 2 Displacement | 9.04 | [cm ³] (0.552 cu.in) |
| 2.1 Bore [mm] | 24.000 | |
| 2.2 Stroke [mm] | 20.000 | |
| 3 Lubricant charge | 210 | [ml] (7.10 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ALQUILB / ISO5 | |
| 4 Weight (with oil charge) | 7.5 | [kg] (16.53 lb.) |
| 5 Nitrogen charge | - | [kgf/cm ²] |

C - ELETRICAL DATA

| | | |
|--|-----------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 40-150 Hz 3 ~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | VCC32456XXXX | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | VCC3 245614F02 | |
| 6 Start winding resistance | 8.10 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 8.10 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (40/150 Hz) | 2.10 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (40/150 Hz) | 2.10 | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (40/150 Hz) | - | [A] - Measured according to UL 984 |
| 11 Approval boards certification | CCC - VDE | |

D - PERFORMANCE - CHECK POINT DATA

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | CECOMAF | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|---------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V1200RPM | | 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) | 119 | 30 | 35 | 20 | 0.38 | 0.38 | 5.84 | 1.47 | 1.71 | |
| -30 (-22) | 163 | 41 | 48 | 24 | 0.52 | 0.52 | 6.76 | 1.70 | 1.98 | |
| -25 (-13) | 215 | 54 | 63 | 28 | 0.69 | 0.69 | 7.80 | 1.97 | 2.29 | |
| -20 (- 4) | 277 | 70 | 81 | 31 | 0.89 | 0.89 | 9.01 | 2.27 | 2.64 | |
| -15 (+ 5) | 351 | 89 | 103 | 34 | 1.13 | 1.13 | 10.44 | 2.63 | 3.06 | |
| -10 (+14) | 439 | 111 | 129 | 36 | 1.41 | 1.41 | 12.12 | 3.05 | 3.55 | |

| TEST CONDITIONS: | | CECOMAF | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V1200RPM | | 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) | 98 | 25 | 29 | 21 | 0.34 | 0.34 | 4.63 | 1.17 | 1.36 | |
| -30 (-22) | 138 | 35 | 41 | 26 | 0.48 | 0.48 | 5.35 | 1.35 | 1.57 | |
| -25 (-13) | 186 | 47 | 55 | 30 | 0.65 | 0.65 | 6.12 | 1.54 | 1.79 | |
| -20 (- 4) | 244 | 61 | 71 | 35 | 0.85 | 0.85 | 6.99 | 1.76 | 2.05 | |
| -15 (+ 5) | 312 | 79 | 91 | 39 | 1.09 | 1.09 | 8.00 | 2.02 | 2.34 | |
| -10 (+14) | 392 | 99 | 115 | 43 | 1.37 | 1.37 | 9.20 | 2.32 | 2.70 | |

| TEST CONDITIONS: | | CECOMAF | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|--|
| @115V1200RPM | | 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) | 77 | 19 | 23 | 21 | 0.29 | 0.29 | 3.59 | 0.90 | 1.05 | |
| -30 (-22) | 114 | 29 | 33 | 27 | 0.43 | 0.43 | 4.26 | 1.07 | 1.25 | |
| -25 (-13) | 158 | 40 | 46 | 32 | 0.60 | 0.60 | 4.91 | 1.24 | 1.44 | |
| -20 (- 4) | 210 | 53 | 62 | 38 | 0.80 | 0.80 | 5.57 | 1.40 | 1.63 | |
| -15 (+ 5) | 272 | 69 | 80 | 43 | 1.04 | 1.04 | 6.31 | 1.59 | 1.85 | |
| -10 (+14) | 345 | 87 | 101 | 48 | 1.32 | 1.32 | 7.16 | 1.81 | 2.10 | |

| TEST CONDITIONS: | | CECOMAF | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|---------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V1600RPM | | 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) | 165 | 42 | 48 | 26 | 0.20 | 0.53 | 6.23 | 1.57 | 1.83 | |
| -30 (-22) | 223 | 56 | 65 | 31 | 0.24 | 0.72 | 7.08 | 1.78 | 2.08 | |
| -25 (-13) | 293 | 74 | 86 | 36 | 0.28 | 0.94 | 8.05 | 2.03 | 2.36 | |
| -20 (- 4) | 377 | 95 | 111 | 41 | 0.32 | 1.21 | 9.18 | 2.31 | 2.69 | |
| -15 (+ 5) | 477 | 120 | 140 | 45 | 0.35 | 1.53 | 10.52 | 2.65 | 3.08 | |
| -10 (+14) | 594 | 150 | 174 | 49 | 0.38 | 1.92 | 12.11 | 3.05 | 3.55 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V1600RPM | | CECOMAF 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) | 138 | 35 | 40 | 28 | 0.21 | 0.48 | 4.97 | 1.25 | 1.46 |
| -30 | (-22) | 192 | 48 | 56 | 34 | 0.25 | 0.67 | 5.69 | 1.43 | 1.67 |
| -25 | (-13) | 256 | 65 | 75 | 40 | 0.30 | 0.89 | 6.43 | 1.62 | 1.89 |
| -20 | (- 4) | 334 | 84 | 98 | 46 | 0.35 | 1.16 | 7.26 | 1.83 | 2.13 |
| -15 | (+ 5) | 426 | 107 | 125 | 52 | 0.39 | 1.49 | 8.21 | 2.07 | 2.41 |
| -10 | (+14) | 533 | 134 | 156 | 57 | 0.43 | 1.87 | 9.33 | 2.35 | 2.73 |

| TEST CONDITIONS: @115V1600RPM | | CECOMAF 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) | 110 | 28 | 32 | 29 | 0.22 | 0.42 | 3.83 | 0.97 | 1.12 |
| -30 | (-22) | 160 | 40 | 47 | 35 | 0.27 | 0.61 | 4.55 | 1.15 | 1.33 |
| -25 | (-13) | 219 | 55 | 64 | 42 | 0.32 | 0.83 | 5.22 | 1.32 | 1.53 |
| -20 | (- 4) | 289 | 73 | 85 | 49 | 0.37 | 1.10 | 5.88 | 1.48 | 1.72 |
| -15 | (+ 5) | 373 | 94 | 109 | 57 | 0.43 | 1.43 | 6.59 | 1.66 | 1.93 |
| -10 | (+14) | 471 | 119 | 138 | 64 | 0.49 | 1.81 | 7.37 | 1.86 | 2.16 |

| TEST CONDITIONS: @115V2000RPM | | CECOMAF 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) | 208 | 52 | 61 | 33 | 0.25 | 0.67 | 6.30 | 1.59 | 1.85 |
| -30 | (-22) | 280 | 71 | 82 | 39 | 0.30 | 0.90 | 7.14 | 1.80 | 2.09 |
| -25 | (-13) | 368 | 93 | 108 | 46 | 0.35 | 1.18 | 8.07 | 2.03 | 2.36 |
| -20 | (- 4) | 472 | 119 | 138 | 52 | 0.40 | 1.52 | 9.15 | 2.30 | 2.68 |
| -15 | (+ 5) | 596 | 150 | 175 | 57 | 0.44 | 1.92 | 10.42 | 2.63 | 3.05 |
| -10 | (+14) | 742 | 187 | 218 | 62 | 0.47 | 2.39 | 11.96 | 3.01 | 3.50 |

| TEST CONDITIONS: @115V2000RPM | | CECOMAF 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) | 175 | 44 | 51 | 35 | 0.26 | 0.61 | 5.07 | 1.28 | 1.48 |
| -30 | (-22) | 242 | 61 | 71 | 42 | 0.32 | 0.84 | 5.78 | 1.46 | 1.69 |
| -25 | (-13) | 323 | 81 | 95 | 49 | 0.38 | 1.12 | 6.50 | 1.64 | 1.90 |
| -20 | (- 4) | 419 | 105 | 123 | 57 | 0.44 | 1.46 | 7.28 | 1.84 | 2.13 |
| -15 | (+ 5) | 533 | 134 | 156 | 65 | 0.49 | 1.86 | 8.18 | 2.06 | 2.40 |
| -10 | (+14) | 667 | 168 | 195 | 72 | 0.55 | 2.34 | 9.26 | 2.33 | 2.71 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V2000RPM | | CECOMAF 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) | 141 | 35 | 41 | 36 | 0.27 | 0.54 | 3.89 | 0.98 | 1.14 | |
| -30 (-22) | 202 | 51 | 59 | 44 | 0.33 | 0.77 | 4.63 | 1.17 | 1.36 | |
| -25 (-13) | 276 | 70 | 81 | 52 | 0.40 | 1.05 | 5.29 | 1.33 | 1.55 | |
| -20 (- 4) | 363 | 92 | 106 | 62 | 0.47 | 1.39 | 5.93 | 1.49 | 1.74 | |
| -15 (+ 5) | 467 | 118 | 137 | 71 | 0.54 | 1.79 | 6.60 | 1.66 | 1.93 | |
| -10 (+14) | 590 | 149 | 173 | 80 | 0.61 | 2.26 | 7.35 | 1.85 | 2.16 | |

| TEST CONDITIONS: @115V3000RPM | | CECOMAF 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) | 307 | 77 | 90 | 50 | 0.38 | 0.98 | 6.11 | 1.54 | 1.79 | |
| -30 (-22) | 416 | 105 | 122 | 60 | 0.46 | 1.33 | 6.87 | 1.73 | 2.01 | |
| -25 (-13) | 548 | 138 | 160 | 71 | 0.54 | 1.76 | 7.73 | 1.95 | 2.27 | |
| -20 (- 4) | 706 | 178 | 207 | 81 | 0.62 | 2.27 | 8.74 | 2.20 | 2.56 | |
| -15 (+ 5) | 893 | 225 | 262 | 90 | 0.69 | 2.87 | 9.95 | 2.51 | 2.92 | |
| -10 (+14) | 1113 | 281 | 326 | 98 | 0.75 | 3.59 | 11.41 | 2.87 | 3.34 | |

| TEST CONDITIONS: @115V3000RPM | | CECOMAF 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) | 256 | 64 | 75 | 52 | 0.39 | 0.89 | 4.98 | 1.26 | 1.46 | |
| -30 (-22) | 357 | 90 | 105 | 64 | 0.48 | 1.24 | 5.61 | 1.41 | 1.64 | |
| -25 (-13) | 478 | 120 | 140 | 76 | 0.58 | 1.66 | 6.26 | 1.58 | 1.84 | |
| -20 (- 4) | 623 | 157 | 183 | 89 | 0.68 | 2.17 | 6.99 | 1.76 | 2.05 | |
| -15 (+ 5) | 796 | 201 | 233 | 101 | 0.77 | 2.78 | 7.84 | 1.98 | 2.30 | |
| -10 (+14) | 998 | 252 | 293 | 113 | 0.86 | 3.50 | 8.85 | 2.23 | 2.59 | |

| TEST CONDITIONS: @115V3000RPM | | CECOMAF 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) | 203 | 51 | 60 | 52 | 0.39 | 0.77 | 3.92 | 0.99 | 1.15 | |
| -30 (-22) | 296 | 74 | 87 | 65 | 0.50 | 1.12 | 4.55 | 1.15 | 1.33 | |
| -25 (-13) | 406 | 102 | 119 | 79 | 0.61 | 1.55 | 5.13 | 1.29 | 1.50 | |
| -20 (- 4) | 538 | 136 | 158 | 95 | 0.72 | 2.06 | 5.71 | 1.44 | 1.67 | |
| -15 (+ 5) | 695 | 175 | 204 | 110 | 0.84 | 2.66 | 6.34 | 1.60 | 1.86 | |
| -10 (+14) | 880 | 222 | 258 | 125 | 0.95 | 3.38 | 7.05 | 1.78 | 2.07 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V4500RPM | | CECOMAF 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) | 447 | 113 | 131 | 78 | 0.58 | 1.43 | 5.74 | 1.45 | 1.68 | |
| -30 (-22) | 591 | 149 | 173 | 97 | 0.68 | 1.90 | 6.04 | 1.52 | 1.77 | |
| -25 (-13) | 769 | 194 | 225 | 109 | 0.80 | 2.47 | 7.07 | 1.78 | 2.07 | |
| -20 (- 4) | 983 | 248 | 288 | 116 | 0.91 | 3.16 | 8.49 | 2.14 | 2.49 | |
| -15 (+ 5) | 1237 | 312 | 362 | 124 | 1.02 | 3.98 | 9.95 | 2.51 | 2.92 | |
| -10 (+14) | 1533 | 386 | 449 | 138 | 1.12 | 4.95 | 11.11 | 2.80 | 3.25 | |

| TEST CONDITIONS: @115V4500RPM | | CECOMAF 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) | 387 | 97 | 113 | 78 | 0.62 | 1.34 | 4.99 | 1.26 | 1.46 | |
| -30 (-22) | 518 | 131 | 152 | 97 | 0.74 | 1.80 | 5.34 | 1.35 | 1.57 | |
| -25 (-13) | 681 | 172 | 199 | 108 | 0.87 | 2.37 | 6.36 | 1.60 | 1.86 | |
| -20 (- 4) | 877 | 221 | 257 | 116 | 1.01 | 3.06 | 7.70 | 1.94 | 2.26 | |
| -15 (+ 5) | 1111 | 280 | 326 | 127 | 1.15 | 3.88 | 9.00 | 2.27 | 2.64 | |
| -10 (+14) | 1385 | 349 | 406 | 144 | 1.28 | 4.85 | 9.92 | 2.50 | 2.91 | |

| TEST CONDITIONS: @115V4500RPM | | CECOMAF 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) | 320 | 81 | 94 | 86 | 0.66 | 1.22 | 3.68 | 0.93 | 1.08 | |
| -30 (-22) | 439 | 111 | 129 | 107 | 0.78 | 1.67 | 3.90 | 0.98 | 1.14 | |
| -25 (-13) | 586 | 148 | 172 | 123 | 0.92 | 2.23 | 4.72 | 1.19 | 1.38 | |
| -20 (- 4) | 766 | 193 | 224 | 136 | 1.08 | 2.92 | 5.77 | 1.46 | 1.69 | |
| -15 (+ 5) | 979 | 247 | 287 | 153 | 1.25 | 3.75 | 6.73 | 1.69 | 1.97 | |
| -10 (+14) | 1231 | 310 | 361 | 177 | 1.41 | 4.73 | 7.22 | 1.82 | 2.12 | |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|------------------------------|------|--------------------------|
| 1 Base plate | European Standard EUEM | | |
| 2 Tray holder | Yes | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 6.1 +0.10/+0.00 | [mm] | (0.240" +0.004"/+0.000") |
| 3.1.1 Material | Copper | | |
| 3.1.2 Shape | Slanted 28° up + 25° to Back | | |
| 3.2 DISCHARGE | 5.1 +0.10/+0.00 | [mm] | (0.201" +0.004"/+0.000") |
| 3.2.1 Material | Copper | | |
| 3.2.2 Shape | Slanted 0° up + 24° to Back | | |
| 3.3 PROCESS | 6 +0.08/-0.08 | [mm] | (0.236" +0.003"/-0.003") |
| 3.3.1 Material | Copper(OD) | | |
| 3.3.2 Shape | Slanted 42° up + 45° to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |