

### COMPRESSOR DEFINITION

|                           |                 |
|---------------------------|-----------------|
| Designation               | VEG Z11C        |
| Nominal Voltage/Frequency | 230 V 53-120 Hz |
| Engineering Number        | 513802047       |

### A - APPLICATION / LIMIT WORKING CONDITIONS

|                                    |                                   |                                   |              |
|------------------------------------|-----------------------------------|-----------------------------------|--------------|
| 1 Type                             | Hermetic reciprocating compressor |                                   |              |
| 2 Refrigerant                      | R-600a                            |                                   |              |
| 3 Nominal voltage and frequency    | 230 / 53-120                      | [ 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 temperature   |                                   |                                   |              |
| 9.1 Operating                      | 6.9                               | [kgf/cm <sup>2</sup> ] (98 psig)  | / °C - °F    |
| 9.2 Peak                           | 7.8                               | [kgf/cm <sup>2</sup> ] (111 psig) | / °C - °F    |
| 10 Maximum winding temperature     | 130                               | [ °C ]                            |              |

### B - MECHANICAL DATA

|                               |                |                                  |
|-------------------------------|----------------|----------------------------------|
| 1 Commercial designation      | 1/4            | [hp]                             |
| 2 Displacement                | 11.14          | [cm <sup>3</sup> ] (0.680 cu.in) |
| 2.1 Bore [mm]                 | 26.000         |                                  |
| 2.2 Stroke [mm]               | 21.000         |                                  |
| 3 Lubricant charge            | 430            | [ml] (14.54 fl.oz.)              |
| 3.1 Lubricants approved       |                |                                  |
| 3.2 Lubricants type/viscosity | ALQUILB / ISO5 |                                  |
| 4 Weight (with oil charge)    | 10.99          | [kg] (24.23 lb.)                 |
| 5 Nitrogen charge             | -              | [kgf/cm <sup>2</sup> ]           |

### C - ELETRICAL DATA

|  |                                   |                                    |
|--|-----------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 53-120 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                           | VCC32456XXXXX                     |                                    |
| 6 Start winding resistance                   | 8.06                              | [Ω at 25°C (77°F)] +/- 8%          |
| 7 Run winding resistance                     | 8.06                              | [Ω at 25°C (77°F)] +/- 8%          |
| 8 LRA - Locked rotor amperage (50/60 Hz)     | -                                 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (50/60 Hz)  | -                                 | [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             | CE - UKCA - VDE                   |                                    |

### D - PERFORMANCE - CHECK POINT DATA

|                                  |          |     |                             |                               |  |                           |                               |       |
|----------------------------------|----------|-----|-----------------------------|-------------------------------|--|---------------------------|-------------------------------|-------|
| TEST CONDITIONS:<br>@220V1600RPM |          |     | CECOMAFLBP<br>Static        |                               | Evaporating temperature<br>(Condensing temperature |                           | -25°C (-13°F)<br>55°C (131°F) |       |
| Cooling capacity<br>+/- 5%       |          |     | Power consumption<br>+/- 5% | Current consumption<br>+/- 5% | Gas flow rate<br>+/- 5%                            | EFFICIENCY RATE<br>+/- 7% |                               |       |
| [Btu/h]                          | [kcal/h] | [W] | [W]                         | [A]                           | [kg/h]   | [Btu/Wh]                  | [kcal/Wh]                     | [W/W] |
| 289                              | 73       | 85  | 57                          | 0.47                          | 1.10   | 5.06                      | 1.28                          | 1.48  |

|                                  |          |     |                             |                               |  |                           |                               |       |
|----------------------------------|----------|-----|-----------------------------|-------------------------------|--|---------------------------|-------------------------------|-------|
| TEST CONDITIONS:<br>@220V2000RPM |          |     | CECOMAFLBP<br>Static        |                               | Evaporating temperature<br>(Condensing temperature |                           | -25°C (-13°F)<br>55°C (131°F) |       |
| Cooling capacity<br>+/- 5%       |          |     | Power consumption<br>+/- 5% | Current consumption<br>+/- 5% | Gas flow rate<br>+/- 5%                            | EFFICIENCY RATE<br>+/- 7% |                               |       |
| [Btu/h]                          | [kcal/h] | [W] | [W]                         | [A]                           | [kg/h]   | [Btu/Wh]                  | [kcal/Wh]                     | [W/W] |
| 344                              | 87       | 101 | 68                          | 0.55                          | 1.31   | 5.04                      | 1.27                          | 1.48  |

|                                  |          |     |                             |                               |  |                           |                               |       |
|----------------------------------|----------|-----|-----------------------------|-------------------------------|--|---------------------------|-------------------------------|-------|
| TEST CONDITIONS:<br>@220V3600RPM |          |     | CECOMAFLBP<br>Static        |                               | Evaporating temperature<br>(Condensing temperature |                           | -25°C (-13°F)<br>55°C (131°F) |       |
| Cooling capacity<br>+/- 5%       |          |     | Power consumption<br>+/- 5% | Current consumption<br>+/- 5% | Gas flow rate<br>+/- 5%                            | EFFICIENCY RATE<br>+/- 7% |                               |       |
| [Btu/h]                          | [kcal/h] | [W] | [W]                         | [A]                           | [kg/h]   | [Btu/Wh]                  | [kcal/Wh]                     | [W/W] |
| 642                              | 162      | 188 | 129                         | 1.01                          | 2.45   | 4.97                      | 1.25                          | 1.46  |

### E - PERFORMANCE - CURVES

|                                  |                            |      |                   |                             |                                       |                         |                           |        |          |           |
|----------------------------------|----------------------------|------|-------------------|-----------------------------|---------------------------------------|-------------------------|---------------------------|--------|----------|-----------|
| TEST CONDITIONS:<br>@220V1600RPM |                            |      | CECOMAF<br>Static |                             | (Condensing temperature 35°C (+95°F)) |                         |                           |        |          |           |
| Evaporating temperature          | Cooling capacity<br>+/- 5% |      |                   | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%         | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |        |          |           |
|                                  | °C                         | (°F) | [Btu/h]           | [kcal/h]                    | [W]                                   | [W]                     | [A]                       | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35                              | (-31)                      | 230  | 58                | 67                          | 36                                    | 0.36                    | 0.74                      | 6.46   | 1.63     | 1.89      |
| -30                              | (-22)                      | 285  | 72                | 84                          | 42                                    | 0.40                    | 0.92                      | 6.97   | 1.76     | 2.04      |
| -25                              | (-13)                      | 362  | 91                | 106                         | 47                                    | 0.46                    | 1.16                      | 7.74   | 1.95     | 2.27      |
| -20                              | (- 4)                      | 470  | 118               | 138                         | 54                                    | 0.53                    | 1.51                      | 8.76   | 2.21     | 2.57      |
| -15                              | (+ 5)                      | 616  | 155               | 181                         | 61                                    | 0.60                    | 1.98                      | 10.01  | 2.52     | 2.93      |
| -10                              | (+14)                      | 810  | 204               | 237                         | 70                                    | 0.69                    | 2.61                      | 11.47  | 2.89     | 3.36      |

|                                  |                            |      |                   |                             |  |                         |                           |        |          |           |
|----------------------------------|----------------------------|------|-------------------|-----------------------------|--|-------------------------|---------------------------|--------|----------|-----------|
| TEST CONDITIONS:<br>@220V1600RPM |                            |      | CECOMAF<br>Static |                             | (Condensing temperature 45°C (+113°F)) |                         |                           |        |          |           |
| Evaporating temperature          | Cooling capacity<br>+/- 5% |      |                   | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%          | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |        |          |           |
|                                  | °C                         | (°F) | [Btu/h]           | [kcal/h]                    | [W]                                    | [W]                     | [A]                       | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35                              | (-31)                      | 209  | 53                | 61                          | 39                                     | 0.38                    | 0.72                      | 5.31   | 1.34     | 1.55      |
| -30                              | (-22)                      | 262  | 66                | 77                          | 46                                     | 0.43                    | 0.91                      | 5.69   | 1.43     | 1.67      |
| -25                              | (-13)                      | 329  | 83                | 96                          | 53                                     | 0.49                    | 1.15                      | 6.29   | 1.59     | 1.84      |
| -20                              | (- 4)                      | 418  | 105               | 122                         | 59                                     | 0.56                    | 1.46                      | 7.10   | 1.79     | 2.08      |
| -15                              | (+ 5)                      | 538  | 135               | 158                         | 67                                     | 0.65                    | 1.88                      | 8.07   | 2.03     | 2.37      |
| -10                              | (+14)                      | 696  | 175               | 204                         | 75                                     | 0.75                    | 2.43                      | 9.21   | 2.32     | 2.70      |

### E - PERFORMANCE - CURVES

| TEST CONDITIONS:<br>@220V1600RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 55°C (+131°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%          | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                    | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 178                        | 45                | 52       | 41                          | 0.39                                   | 0.67                    | 4.36                      | 1.10     | 1.28      |       |
| -30 (-22)                        | 234                        | 59                | 69       | 49                          | 0.45                                   | 0.89                    | 4.69                      | 1.18     | 1.37      |       |
| -25 (-13)                        | 296                        | 75                | 87       | 57                          | 0.53                                   | 1.13                    | 5.18                      | 1.31     | 1.52      |       |
| -20 (- 4)                        | 371                        | 94                | 109      | 64                          | 0.62                                   | 1.42                    | 5.82                      | 1.47     | 1.70      |       |
| -15 (+ 5)                        | 469                        | 118               | 137      | 72                          | 0.73                                   | 1.80                    | 6.58                      | 1.66     | 1.93      |       |
| -10 (+14)                        | 596                        | 150               | 175      | 80                          | 0.85                                   | 2.29                    | 7.44                      | 1.88     | 2.18      |       |

| TEST CONDITIONS:<br>@220V1600RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 65°C (+149°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%          | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                    | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 137                        | 35                | 40       | 40                          | 0.40                                   | 0.59                    | 3.50                      | 0.88     | 1.03      |       |
| -30 (-22)                        | 201                        | 51                | 59       | 51                          | 0.48                                   | 0.84                    | 3.82                      | 0.96     | 1.12      |       |
| -25 (-13)                        | 262                        | 66                | 77       | 60                          | 0.58                                   | 1.10                    | 4.25                      | 1.07     | 1.25      |       |
| -20 (- 4)                        | 329                        | 83                | 96       | 69                          | 0.71                                   | 1.39                    | 4.78                      | 1.20     | 1.40      |       |
| -15 (+ 5)                        | 409                        | 103               | 120      | 77                          | 0.85                                   | 1.74                    | 5.37                      | 1.35     | 1.57      |       |
| -10 (+14)                        | 511                        | 129               | 150      | 86                          | 1.01                                   | 2.18                    | 6.03                      | 1.52     | 1.77      |       |

| TEST CONDITIONS:<br>@220V2000RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 35°C (+95°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|---------------------------------------|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%         | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                   | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 281                        | 71                | 82       | 44                          | 0.45                                  | 0.90                    | 6.38                      | 1.61     | 1.87      |       |
| -30 (-22)                        | 351                        | 89                | 103      | 51                          | 0.50                                  | 1.13                    | 6.86                      | 1.73     | 2.01      |       |
| -25 (-13)                        | 451                        | 114               | 132      | 59                          | 0.56                                  | 1.45                    | 7.65                      | 1.93     | 2.24      |       |
| -20 (- 4)                        | 581                        | 146               | 170      | 67                          | 0.64                                  | 1.87                    | 8.71                      | 2.20     | 2.55      |       |
| -15 (+ 5)                        | 739                        | 186               | 216      | 74                          | 0.73                                  | 2.38                    | 10.02                     | 2.52     | 2.93      |       |
| -10 (+14)                        | 925                        | 233               | 271      | 81                          | 0.84                                  | 2.98                    | 11.52                     | 2.90     | 3.38      |       |

| TEST CONDITIONS:<br>@220V2000RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 45°C (+113°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%          | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                    | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 240                        | 61                | 70       | 47                          | 0.46                                   | 0.83                    | 5.18                      | 1.30     | 1.52      |       |
| -30 (-22)                        | 306                        | 77                | 90       | 55                          | 0.52                                   | 1.06                    | 5.57                      | 1.40     | 1.63      |       |
| -25 (-13)                        | 398                        | 100               | 117      | 64                          | 0.59                                   | 1.39                    | 6.22                      | 1.57     | 1.82      |       |
| -20 (- 4)                        | 517                        | 130               | 152      | 72                          | 0.68                                   | 1.80                    | 7.09                      | 1.79     | 2.08      |       |
| -15 (+ 5)                        | 663                        | 167               | 194      | 81                          | 0.79                                   | 2.31                    | 8.13                      | 2.05     | 2.38      |       |
| -10 (+14)                        | 834                        | 210               | 244      | 90                          | 0.90                                   | 2.92                    | 9.32                      | 2.35     | 2.73      |       |

### E - PERFORMANCE - CURVES

| TEST CONDITIONS:<br>@220V2000RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 55°C (+131°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%          | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                    | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 211                        | 53                | 62       | 49                          | 0.47                                   | 0.80                    | 4.36                      | 1.10     | 1.28      |       |
| -30 (-22)                        | 268                        | 67                | 78       | 57                          | 0.54                                   | 1.02                    | 4.69                      | 1.18     | 1.37      |       |
| -25 (-13)                        | 350                        | 88                | 102      | 67                          | 0.62                                   | 1.33                    | 5.21                      | 1.31     | 1.53      |       |
| -20 (- 4)                        | 456                        | 115               | 134      | 77                          | 0.73                                   | 1.74                    | 5.88                      | 1.48     | 1.72      |       |
| -15 (+ 5)                        | 586                        | 148               | 172      | 87                          | 0.84                                   | 2.24                    | 6.68                      | 1.68     | 1.96      |       |
| -10 (+14)                        | 739                        | 186               | 217      | 98                          | 0.97                                   | 2.84                    | 7.57                      | 1.91     | 2.22      |       |

| TEST CONDITIONS:<br>@220V2000RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 65°C (+149°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%          | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                    | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 185                        | 47                | 54       | 49                          | 0.49                                   | 0.78                    | 3.73                      | 0.94     | 1.09      |       |
| -30 (-22)                        | 231                        | 58                | 68       | 58                          | 0.57                                   | 0.98                    | 3.99                      | 1.01     | 1.17      |       |
| -25 (-13)                        | 300                        | 75                | 88       | 69                          | 0.67                                   | 1.27                    | 4.39                      | 1.11     | 1.29      |       |
| -20 (- 4)                        | 390                        | 98                | 114      | 80                          | 0.78                                   | 1.65                    | 4.89                      | 1.23     | 1.43      |       |
| -15 (+ 5)                        | 501                        | 126               | 147      | 93                          | 0.91                                   | 2.13                    | 5.46                      | 1.37     | 1.60      |       |
| -10 (+14)                        | 634                        | 160               | 186      | 105                         | 1.04                                   | 2.70                    | 6.05                      | 1.52     | 1.77      |       |

| TEST CONDITIONS:<br>@220V3600RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 35°C (+95°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|---------------------------------------|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%         | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                   | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 485                        | 122               | 142      | 88                          | 0.87                                  | 1.56                    | 5.45                      | 1.37     | 1.60      |       |
| -30 (-22)                        | 603                        | 152               | 177      | 101                         | 0.94                                  | 1.93                    | 6.05                      | 1.52     | 1.77      |       |
| -25 (-13)                        | 776                        | 196               | 227      | 113                         | 1.05                                  | 2.49                    | 6.89                      | 1.74     | 2.02      |       |
| -20 (- 4)                        | 1000                       | 252               | 293      | 126                         | 1.17                                  | 3.21                    | 7.95                      | 2.00     | 2.33      |       |
| -15 (+ 5)                        | 1270                       | 320               | 372      | 138                         | 1.29                                  | 4.09                    | 9.20                      | 2.32     | 2.69      |       |
| -10 (+14)                        | 1585                       | 399               | 464      | 150                         | 1.39                                  | 5.11                    | 10.60                     | 2.67     | 3.10      |       |

| TEST CONDITIONS:<br>@220V3600RPM |                            | CECOMAF<br>Static |          |                             | (Condensing temperature 45°C (+113°F)) |                         |                           |          |           |       |
|----------------------------------|----------------------------|-------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature          | Cooling capacity<br>+/- 5% |                   |          | Power consumption<br>+/- 5% | Current consumption<br>+/- 5%          | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |          |           |       |
|                                  | °C (°F)                    | [Btu/h]           | [kcal/h] | [W]                         | [W]                                    | [A]                     | [kg/h]                    | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31)                        | 431                        | 109               | 126      | 93                          | 0.86                                   | 1.49                    | 4.68                      | 1.18     | 1.37      |       |
| -30 (-22)                        | 548                        | 138               | 160      | 106                         | 0.95                                   | 1.90                    | 5.17                      | 1.30     | 1.51      |       |
| -25 (-13)                        | 710                        | 179               | 208      | 121                         | 1.08                                   | 2.47                    | 5.85                      | 1.47     | 1.71      |       |
| -20 (- 4)                        | 916                        | 231               | 268      | 136                         | 1.23                                   | 3.20                    | 6.69                      | 1.68     | 1.96      |       |
| -15 (+ 5)                        | 1161                       | 293               | 340      | 151                         | 1.37                                   | 4.06                    | 7.65                      | 1.93     | 2.24      |       |
| -10 (+14)                        | 1443                       | 364               | 423      | 166                         | 1.49                                   | 5.05                    | 8.71                      | 2.19     | 2.55      |       |

### E - PERFORMANCE - CURVES

| TEST CONDITIONS:<br>@220V3600RPM |       | CECOMAF<br>Static          |          |     | (Condensing temperature 55°C (+131°F) ) |                               |                         |                           |           |       |
|----------------------------------|-------|----------------------------|----------|-----|---|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature          |       | Cooling capacity<br>+/- 5% |          |     | Power consumption<br>+/- 5%             | Current consumption<br>+/- 5% | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |           |       |
| °C                               | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                     | [A]                           | [kg/h]                  | [Btu/Wh]                  | [kcal/Wh] | [W/W] |
| -35                              | (-31) | 379                        | 95       | 111 | 96                                      | 0.88                          | 1.44                    | 3.99                      | 1.01      | 1.17  |
| -30                              | (-22) | 489                        | 123      | 143 | 111                                     | 0.99                          | 1.87                    | 4.40                      | 1.11      | 1.29  |
| -25                              | (-13) | 639                        | 161      | 187 | 128                                     | 1.13                          | 2.44                    | 4.95                      | 1.25      | 1.45  |
| -20                              | (- 4) | 823                        | 207      | 241 | 146                                     | 1.28                          | 3.15                    | 5.59                      | 1.41      | 1.64  |
| -15                              | (+ 5) | 1039                       | 262      | 305 | 164                                     | 1.43                          | 3.98                    | 6.30                      | 1.59      | 1.85  |
| -10                              | (+14) | 1284                       | 324      | 376 | 183                                     | 1.55                          | 4.93                    | 7.04                      | 1.77      | 2.06  |

| TEST CONDITIONS:<br>@220V3600RPM |       | CECOMAF<br>Static          |          |     | (Condensing temperature 65°C (+149°F) ) |                               |                         |                           |           |       |
|----------------------------------|-------|----------------------------|----------|-----|---|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature          |       | Cooling capacity<br>+/- 5% |          |     | Power consumption<br>+/- 5%             | Current consumption<br>+/- 5% | Gas flow rate<br>+/- 5% | EFFICIENCY RATE<br>+/- 7% |           |       |
| °C                               | (°F)  | [Btu/h]                    | [kcal/h] | [W] | [W]                                     | [A]                           | [kg/h]                  | [Btu/Wh]                  | [kcal/Wh] | [W/W] |
| -35                              | (-31) | 330                        | 83       | 97  | 97                                      | 0.95                          | 1.39                    | 3.37                      | 0.85      | 0.99  |
| -30                              | (-22) | 431                        | 109      | 126 | 116                                     | 1.05                          | 1.82                    | 3.73                      | 0.94      | 1.09  |
| -25                              | (-13) | 563                        | 142      | 165 | 135                                     | 1.19                          | 2.38                    | 4.17                      | 1.05      | 1.22  |
| -20                              | (- 4) | 723                        | 182      | 212 | 157                                     | 1.33                          | 3.06                    | 4.64                      | 1.17      | 1.36  |
| -15                              | (+ 5) | 906                        | 228      | 266 | 178                                     | 1.47                          | 3.85                    | 5.12                      | 1.29      | 1.50  |
| -10                              | (+14) | 1111                       | 280      | 325 | 200                                     | 1.58                          | 4.73                    | 5.57                      | 1.40      | 1.63  |

### F - EXTERNAL CHARACTERISTICS

|                         |                            |      |                          |
|-------------------------|----------------------------|------|--------------------------|
| 1 Base plate            | European Standard          |      |                          |
| 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             | Slanted                    |      |                          |
| 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             | Slanted                    |      |                          |
| 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             | Slanted 60° up / 40° + 35° |      |                          |
| 3.4 Oil cooler (Copper) | No                         | [mm] |                          |
| 3.5 Connector sealing   | Rubber Plugs               |      |                          |