

COMPRESSOR DEFINITION

| | |
|---------------------------|------------------------|
| Designation | VEG T8U |
| Nominal Voltage/Frequency | 230 V 60-150 Hz |
| Engineering Number | 513800078 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|--|---|-----------------------------------|--------------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-290 | | |
| 3 Nominal voltage and frequency | 230 / 60-150 | [V / Hz] | |
| 4 Application type | Low-Medium Back Pressure (Light Commercial) up to -40°C | | |
| 4.1 Evaporating temperature range | -40°C to 0°C | (-40°F to 32°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) | Fan | 103 to 140 V | 103 to 140 V |
| 8.2 LBP (43°C Ambient temperature) | Fan | 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) | 19.1 | [kgf/cm ²] (272 psig) | / °C - °F |
| 9.2 Peak (gauge) | 21.2 | [kgf/cm ²] (301 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 | ALQUILB / ISO32 | |
| 4 Weight (with oil charge) | 10.03 | [kg] (22.11 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 60-150 Hz 3 ~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | VCCMP2BXXXXXXX | |
| 3 Start capacitor | - | [μF(VAC minimum)] |
| 4 Run capacitor | - | [μF(VAC minimum)] |
| 5 Motor protection | VCCMP2BXXXXXXX | |
| 6 Start winding resistance | 10.55 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 10.55 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (60/150 Hz) | 3.30 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (60/150 Hz) | 2.00 | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (60/150 Hz) | 2.00 | [A] - Measured according to UL 984 |
| 11 Approval boards certification | UL | |

D - PERFORMANCE - CHECK POINT DATA

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Fan | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|---------------------------------------|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 422 | 106 | 124 | 83 | 1.83 | 1.24 | 5.11 | 1.29 | 1.50 |
| -35 | (-31) | 578 | 146 | 169 | 99 | 1.91 | 1.71 | 5.80 | 1.46 | 1.70 |
| -30 | (-22) | 750 | 189 | 220 | 114 | 1.95 | 2.22 | 6.58 | 1.66 | 1.93 |
| -25 | (-13) | 945 | 238 | 277 | 126 | 1.96 | 2.81 | 7.50 | 1.89 | 2.20 |
| -20 | (- 4) | 1170 | 295 | 343 | 137 | 1.96 | 3.49 | 8.59 | 2.17 | 2.52 |
| -15 | (+ 5) | 1432 | 361 | 420 | 146 | 1.97 | 4.29 | 9.89 | 2.49 | 2.90 |
| -10 | (+14) | 1739 | 438 | 510 | 153 | 2.00 | 5.23 | 11.45 | 2.88 | 3.35 |
| -5 | (+23) | 2098 | 529 | 615 | 158 | 2.07 | 6.35 | 13.28 | 3.35 | 3.89 |
| 0 | (+32) | 2516 | 634 | 737 | 162 | 2.20 | 7.65 | 15.44 | 3.89 | 4.52 |

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Fan | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 380 | 96 | 111 | 88 | 1.99 | 1.12 | 4.49 | 1.13 | 1.31 |
| -35 | (-31) | 540 | 136 | 158 | 106 | 2.08 | 1.60 | 5.12 | 1.29 | 1.50 |
| -30 | (-22) | 713 | 180 | 209 | 123 | 2.13 | 2.12 | 5.78 | 1.46 | 1.69 |
| -25 | (-13) | 907 | 229 | 266 | 139 | 2.15 | 2.70 | 6.50 | 1.64 | 1.90 |
| -20 | (- 4) | 1129 | 285 | 331 | 153 | 2.17 | 3.37 | 7.31 | 1.84 | 2.14 |
| -15 | (+ 5) | 1387 | 349 | 406 | 167 | 2.19 | 4.15 | 8.27 | 2.08 | 2.42 |
| -10 | (+14) | 1687 | 425 | 494 | 179 | 2.24 | 5.08 | 9.40 | 2.37 | 2.75 |
| -5 | (+23) | 2037 | 513 | 597 | 190 | 2.34 | 6.16 | 10.73 | 2.70 | 3.15 |
| 0 | (+32) | 2444 | 616 | 716 | 200 | 2.49 | 7.43 | 12.32 | 3.10 | 3.61 |

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Fan | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 312 | 79 | 91 | 89 | 2.06 | 0.92 | 3.69 | 0.93 | 1.08 |
| -35 | (-31) | 475 | 120 | 139 | 109 | 2.17 | 1.41 | 4.41 | 1.11 | 1.29 |
| -30 | (-22) | 650 | 164 | 190 | 129 | 2.24 | 1.93 | 5.07 | 1.28 | 1.49 |
| -25 | (-13) | 844 | 213 | 247 | 148 | 2.30 | 2.51 | 5.72 | 1.44 | 1.68 |
| -20 | (- 4) | 1064 | 268 | 312 | 166 | 2.35 | 3.17 | 6.40 | 1.61 | 1.88 |
| -15 | (+ 5) | 1317 | 332 | 386 | 184 | 2.41 | 3.94 | 7.14 | 1.80 | 2.09 |
| -10 | (+14) | 1611 | 406 | 472 | 201 | 2.50 | 4.85 | 7.97 | 2.01 | 2.34 |
| -5 | (+23) | 1953 | 492 | 572 | 217 | 2.64 | 5.90 | 8.94 | 2.25 | 2.62 |
| 0 | (+32) | 2350 | 592 | 689 | 233 | 2.84 | 7.14 | 10.09 | 2.54 | 2.96 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Fan | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 216 | 54 | 63 | 88 | 2.04 | 0.63 | 2.51 | 0.63 | 0.74 |
| -35 | (-31) | 384 | 97 | 113 | 110 | 2.19 | 1.14 | 3.44 | 0.87 | 1.01 |
| -30 | (-22) | 562 | 142 | 165 | 132 | 2.31 | 1.67 | 4.24 | 1.07 | 1.24 |
| -25 | (-13) | 756 | 190 | 221 | 153 | 2.41 | 2.25 | 4.95 | 1.25 | 1.45 |
| -20 | (- 4) | 974 | 246 | 286 | 175 | 2.51 | 2.91 | 5.62 | 1.42 | 1.65 |
| -15 | (+ 5) | 1224 | 308 | 359 | 197 | 2.63 | 3.67 | 6.27 | 1.58 | 1.84 |
| -10 | (+14) | 1513 | 381 | 443 | 218 | 2.79 | 4.55 | 6.95 | 1.75 | 2.04 |
| -5 | (+23) | 1847 | 465 | 541 | 240 | 2.99 | 5.58 | 7.68 | 1.94 | 2.25 |
| 0 | (+32) | 2234 | 563 | 655 | 262 | 3.26 | 6.79 | 8.52 | 2.15 | 2.50 |

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Fan | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|---------------------------------------|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 590 | 149 | 173 | 124 | 2.12 | 1.74 | 4.91 | 1.24 | 1.44 |
| -35 | (-31) | 851 | 214 | 249 | 151 | 2.42 | 2.52 | 5.64 | 1.42 | 1.65 |
| -30 | (-22) | 1130 | 285 | 331 | 175 | 2.61 | 3.35 | 6.42 | 1.62 | 1.88 |
| -25 | (-13) | 1438 | 362 | 421 | 196 | 2.71 | 4.28 | 7.30 | 1.84 | 2.14 |
| -20 | (- 4) | 1784 | 450 | 523 | 216 | 2.78 | 5.32 | 8.30 | 2.09 | 2.43 |
| -15 | (+ 5) | 2180 | 549 | 639 | 232 | 2.84 | 6.53 | 9.46 | 2.38 | 2.77 |
| -10 | (+14) | 2636 | 664 | 772 | 246 | 2.93 | 7.93 | 10.81 | 2.72 | 3.17 |
| -5 | (+23) | 3161 | 797 | 926 | 256 | 3.08 | 9.56 | 12.40 | 3.12 | 3.63 |
| 0 | (+32) | 3767 | 949 | 1104 | 263 | 3.34 | 11.45 | 14.25 | 3.59 | 4.18 |

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Fan | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 590 | 149 | 173 | 137 | 2.34 | 1.74 | 4.47 | 1.13 | 1.31 |
| -35 | (-31) | 836 | 211 | 245 | 164 | 2.66 | 2.47 | 5.12 | 1.29 | 1.50 |
| -30 | (-22) | 1102 | 278 | 323 | 190 | 2.87 | 3.27 | 5.76 | 1.45 | 1.69 |
| -25 | (-13) | 1398 | 352 | 410 | 215 | 3.02 | 4.16 | 6.45 | 1.63 | 1.89 |
| -20 | (- 4) | 1736 | 437 | 509 | 239 | 3.13 | 5.18 | 7.22 | 1.82 | 2.12 |
| -15 | (+ 5) | 2124 | 535 | 622 | 261 | 3.24 | 6.36 | 8.10 | 2.04 | 2.37 |
| -10 | (+14) | 2574 | 649 | 754 | 281 | 3.39 | 7.75 | 9.13 | 2.30 | 2.68 |
| -5 | (+23) | 3096 | 780 | 907 | 299 | 3.62 | 9.36 | 10.34 | 2.61 | 3.03 |
| 0 | (+32) | 3700 | 932 | 1084 | 316 | 3.96 | 11.25 | 11.77 | 2.97 | 3.45 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|--|---------------------|---------------|-----------------|-----------|-------|
| @115V3000RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 562 | 142 | 165 | 143 | 2.49 | 1.65 | 4.04 | 1.02 | 1.18 |
| -35 | (-31) | 794 | 200 | 233 | 172 | 2.82 | 2.35 | 4.67 | 1.18 | 1.37 |
| -30 | (-22) | 1048 | 264 | 307 | 200 | 3.06 | 3.11 | 5.26 | 1.32 | 1.54 |
| -25 | (-13) | 1335 | 336 | 391 | 229 | 3.23 | 3.97 | 5.84 | 1.47 | 1.71 |
| -20 | (- 4) | 1664 | 419 | 488 | 257 | 3.38 | 4.96 | 6.45 | 1.63 | 1.89 |
| -15 | (+ 5) | 2046 | 516 | 600 | 285 | 3.55 | 6.13 | 7.13 | 1.80 | 2.09 |
| -10 | (+14) | 2492 | 628 | 730 | 313 | 3.76 | 7.50 | 7.91 | 1.99 | 2.32 |
| -5 | (+23) | 3011 | 759 | 882 | 340 | 4.06 | 9.10 | 8.82 | 2.22 | 2.59 |
| 0 | (+32) | 3615 | 911 | 1059 | 366 | 4.47 | 10.99 | 9.91 | 2.50 | 2.90 |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|--|---------------------|---------------|-----------------|-----------|-------|
| @115V3000RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 506 | 128 | 148 | 143 | 2.56 | 1.49 | 3.45 | 0.87 | 1.01 |
| -35 | (-31) | 726 | 183 | 213 | 173 | 2.90 | 2.15 | 4.14 | 1.04 | 1.21 |
| -30 | (-22) | 970 | 244 | 284 | 205 | 3.15 | 2.87 | 4.75 | 1.20 | 1.39 |
| -25 | (-13) | 1247 | 314 | 365 | 238 | 3.36 | 3.71 | 5.30 | 1.34 | 1.55 |
| -20 | (- 4) | 1569 | 396 | 460 | 271 | 3.55 | 4.68 | 5.83 | 1.47 | 1.71 |
| -15 | (+ 5) | 1947 | 491 | 570 | 306 | 3.76 | 5.83 | 6.39 | 1.61 | 1.87 |
| -10 | (+14) | 2389 | 602 | 700 | 341 | 4.03 | 7.19 | 6.99 | 1.76 | 2.05 |
| -5 | (+23) | 2907 | 733 | 852 | 377 | 4.39 | 8.79 | 7.69 | 1.94 | 2.25 |
| 0 | (+32) | 3511 | 885 | 1029 | 413 | 4.89 | 10.67 | 8.50 | 2.14 | 2.49 |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|---------------------------------------|---------------------|---------------|-----------------|-----------|-------|
| @115V3600RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 846 | 213 | 248 | 168 | 2.11 | 2.50 | 4.89 | 1.23 | 1.43 |
| -35 | (-31) | 1061 | 267 | 311 | 193 | 2.41 | 3.14 | 5.49 | 1.38 | 1.61 |
| -30 | (-22) | 1352 | 341 | 396 | 218 | 2.71 | 4.01 | 6.23 | 1.57 | 1.82 |
| -25 | (-13) | 1716 | 432 | 503 | 242 | 2.99 | 5.10 | 7.10 | 1.79 | 2.08 |
| -20 | (- 4) | 2153 | 542 | 631 | 267 | 3.26 | 6.42 | 8.09 | 2.04 | 2.37 |
| -15 | (+ 5) | 2661 | 671 | 780 | 290 | 3.52 | 7.97 | 9.19 | 2.31 | 2.69 |
| -10 | (+14) | 3239 | 816 | 949 | 313 | 3.76 | 9.75 | 10.38 | 2.62 | 3.04 |
| -5 | (+23) | 3886 | 979 | 1139 | 334 | 3.98 | 11.75 | 11.66 | 2.94 | 3.42 |
| 0 | (+32) | 4600 | 1159 | 1348 | 353 | 4.18 | 13.99 | 13.01 | 3.28 | 3.81 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|--|---------------------|---------------|-----------------|-----------|-------|
| @115V3600RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 806 | 203 | 236 | 175 | 2.21 | 2.38 | 4.55 | 1.15 | 1.33 |
| -35 | (-31) | 1018 | 257 | 298 | 202 | 2.56 | 3.01 | 5.04 | 1.27 | 1.48 |
| -30 | (-22) | 1302 | 328 | 381 | 231 | 2.91 | 3.86 | 5.64 | 1.42 | 1.65 |
| -25 | (-13) | 1656 | 417 | 485 | 261 | 3.25 | 4.92 | 6.34 | 1.60 | 1.86 |
| -20 | (- 4) | 2080 | 524 | 609 | 290 | 3.58 | 6.21 | 7.13 | 1.80 | 2.09 |
| -15 | (+ 5) | 2572 | 648 | 754 | 320 | 3.90 | 7.71 | 8.00 | 2.02 | 2.34 |
| -10 | (+14) | 3131 | 789 | 918 | 350 | 4.21 | 9.42 | 8.94 | 2.25 | 2.62 |
| -5 | (+23) | 3756 | 947 | 1101 | 378 | 4.51 | 11.36 | 9.94 | 2.50 | 2.91 |
| 0 | (+32) | 4446 | 1120 | 1303 | 406 | 4.78 | 13.51 | 10.98 | 2.77 | 3.22 |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|--|---------------------|---------------|-----------------|-----------|-------|
| @115V3600RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 761 | 192 | 223 | 179 | 2.26 | 2.25 | 4.20 | 1.06 | 1.23 |
| -35 | (-31) | 966 | 243 | 283 | 210 | 2.65 | 2.86 | 4.63 | 1.17 | 1.36 |
| -30 | (-22) | 1240 | 312 | 363 | 242 | 3.04 | 3.68 | 5.14 | 1.30 | 1.51 |
| -25 | (-13) | 1581 | 398 | 463 | 276 | 3.43 | 4.70 | 5.73 | 1.44 | 1.68 |
| -20 | (- 4) | 1989 | 501 | 583 | 311 | 3.82 | 5.93 | 6.38 | 1.61 | 1.87 |
| -15 | (+ 5) | 2462 | 620 | 721 | 347 | 4.19 | 7.37 | 7.08 | 1.78 | 2.07 |
| -10 | (+14) | 2999 | 756 | 879 | 383 | 4.56 | 9.02 | 7.82 | 1.97 | 2.29 |
| -5 | (+23) | 3599 | 907 | 1055 | 419 | 4.92 | 10.88 | 8.59 | 2.17 | 2.52 |
| 0 | (+32) | 4260 | 1074 | 1248 | 454 | 5.27 | 12.95 | 9.38 | 2.36 | 2.75 |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|--|---------------------|---------------|-----------------|-----------|-------|
| @115V3600RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 711 | 179 | 208 | 183 | 2.26 | 2.10 | 3.74 | 0.94 | 1.10 |
| -35 | (-31) | 905 | 228 | 265 | 216 | 2.68 | 2.68 | 4.16 | 1.05 | 1.22 |
| -30 | (-22) | 1166 | 294 | 342 | 252 | 3.11 | 3.46 | 4.64 | 1.17 | 1.36 |
| -25 | (-13) | 1491 | 376 | 437 | 289 | 3.54 | 4.43 | 5.17 | 1.30 | 1.52 |
| -20 | (- 4) | 1879 | 474 | 551 | 329 | 3.96 | 5.61 | 5.73 | 1.45 | 1.68 |
| -15 | (+ 5) | 2330 | 587 | 683 | 369 | 4.39 | 6.98 | 6.32 | 1.59 | 1.85 |
| -10 | (+14) | 2842 | 716 | 833 | 411 | 4.81 | 8.55 | 6.92 | 1.74 | 2.03 |
| -5 | (+23) | 3414 | 860 | 1000 | 454 | 5.23 | 10.32 | 7.52 | 1.90 | 2.20 |
| 0 | (+32) | 4043 | 1019 | 1185 | 497 | 5.64 | 12.29 | 8.12 | 2.05 | 2.38 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|---------------------------------------|---------------------|---------------|-----------------|-----------|-------|
| @115V4500RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 954 | 240 | 280 | 207 | 2.29 | 2.82 | 4.68 | 1.18 | 1.37 |
| -35 | (-31) | 1352 | 341 | 396 | 253 | 3.05 | 4.00 | 5.34 | 1.34 | 1.56 |
| -30 | (-22) | 1737 | 438 | 509 | 287 | 3.56 | 5.15 | 6.07 | 1.53 | 1.78 |
| -25 | (-13) | 2133 | 538 | 625 | 312 | 3.87 | 6.34 | 6.88 | 1.73 | 2.02 |
| -20 | (- 4) | 2565 | 646 | 752 | 331 | 4.07 | 7.65 | 7.77 | 1.96 | 2.28 |
| -15 | (+ 5) | 3056 | 770 | 895 | 349 | 4.21 | 9.16 | 8.74 | 2.20 | 2.56 |
| -10 | (+14) | 3630 | 915 | 1064 | 368 | 4.36 | 10.93 | 9.79 | 2.47 | 2.87 |
| -5 | (+23) | 4312 | 1087 | 1264 | 392 | 4.59 | 13.04 | 10.92 | 2.75 | 3.20 |
| 0 | (+32) | 5125 | 1292 | 1502 | 425 | 4.98 | 15.58 | 12.12 | 3.06 | 3.55 |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|--|---------------------|---------------|-----------------|-----------|-------|
| @115V4500RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 919 | 232 | 269 | 220 | 2.50 | 2.71 | 4.30 | 1.08 | 1.26 |
| -35 | (-31) | 1341 | 338 | 393 | 274 | 3.31 | 3.97 | 4.88 | 1.23 | 1.43 |
| -30 | (-22) | 1733 | 437 | 508 | 313 | 3.85 | 5.14 | 5.51 | 1.39 | 1.61 |
| -25 | (-13) | 2118 | 534 | 621 | 343 | 4.21 | 6.30 | 6.19 | 1.56 | 1.81 |
| -20 | (- 4) | 2520 | 635 | 738 | 366 | 4.44 | 7.52 | 6.92 | 1.74 | 2.03 |
| -15 | (+ 5) | 2964 | 747 | 868 | 386 | 4.61 | 8.88 | 7.71 | 1.94 | 2.26 |
| -10 | (+14) | 3473 | 875 | 1018 | 406 | 4.80 | 10.45 | 8.55 | 2.16 | 2.51 |
| -5 | (+23) | 4071 | 1026 | 1193 | 430 | 5.07 | 12.31 | 9.44 | 2.38 | 2.77 |
| 0 | (+32) | 4783 | 1205 | 1402 | 461 | 5.49 | 14.54 | 10.39 | 2.62 | 3.04 |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|-------|------------------|----------|------|--|---------------------|---------------|-----------------|-----------|-------|
| @115V4500RPM | | Fan | | | | | | | | |
| 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] |
| -40 | (-40) | 771 | 194 | 226 | 223 | 2.72 | 2.27 | 3.77 | 0.95 | 1.10 |
| -35 | (-31) | 1236 | 311 | 362 | 285 | 3.54 | 3.66 | 4.34 | 1.09 | 1.27 |
| -30 | (-22) | 1652 | 416 | 484 | 331 | 4.10 | 4.90 | 4.94 | 1.24 | 1.45 |
| -25 | (-13) | 2044 | 515 | 599 | 367 | 4.47 | 6.08 | 5.56 | 1.40 | 1.63 |
| -20 | (- 4) | 2435 | 614 | 713 | 394 | 4.71 | 7.26 | 6.21 | 1.56 | 1.82 |
| -15 | (+ 5) | 2850 | 718 | 835 | 417 | 4.90 | 8.53 | 6.88 | 1.73 | 2.02 |
| -10 | (+14) | 3312 | 835 | 970 | 439 | 5.10 | 9.96 | 7.58 | 1.91 | 2.22 |
| -5 | (+23) | 3845 | 969 | 1127 | 463 | 5.38 | 11.63 | 8.30 | 2.09 | 2.43 |
| 0 | (+32) | 4474 | 1127 | 1311 | 493 | 5.81 | 13.60 | 9.05 | 2.28 | 2.65 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V4500RPM | | ASHRAE32 Fan | | | (Condensing temperature 65°C (+149°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|------|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -40 | (-40) | 508 | 128 | 149 | 216 | 3.00 | 1.49 | 3.02 | 0.76 | 0.88 |
| -35 | (-31) | 1034 | 261 | 303 | 286 | 3.81 | 3.06 | 3.65 | 0.92 | 1.07 |
| -30 | (-22) | 1494 | 376 | 438 | 341 | 4.36 | 4.43 | 4.28 | 1.08 | 1.25 |
| -25 | (-13) | 1911 | 482 | 560 | 383 | 4.72 | 5.68 | 4.91 | 1.24 | 1.44 |
| -20 | (- 4) | 2309 | 582 | 677 | 415 | 4.95 | 6.89 | 5.54 | 1.40 | 1.62 |
| -15 | (+ 5) | 2713 | 684 | 795 | 442 | 5.13 | 8.12 | 6.17 | 1.55 | 1.81 |
| -10 | (+14) | 3147 | 793 | 922 | 466 | 5.32 | 9.46 | 6.79 | 1.71 | 1.99 |
| -5 | (+23) | 3634 | 916 | 1065 | 492 | 5.59 | 10.98 | 7.42 | 1.87 | 2.17 |
| 0 | (+32) | 4198 | 1058 | 1230 | 521 | 6.01 | 12.76 | 8.04 | 2.03 | 2.36 |

F - EXTERNAL CHARACTERISTICS

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