

COMPRESSOR DEFINITION

| | |
|---------------------------|-------------------------|
| Designation | FMX A6C |
| Nominal Voltage/Frequency | 230 V 43 -134 Hz |
| Engineering Number | 513908300 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|------------------------------------|---|-----------------------------------|-----------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-600a | | |
| 3 Nominal voltage and frequency | 230 / 43 -134 | [V / Hz] | |
| 4 Application type | Low-Medium Back Pressure (Fullmotion Compressors) | | |
| 4.1 Evaporating temperature range | -35°C to 0°C | (-31°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) | - | - | - |
| 8.2 LBP (43°C Ambient temperature) | - | - | - |
| 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 ²] (98 psig) | / °C - °F |
| 9.2 Peak | 7.8 | [kgf/cm ²] (111 psig) | / °C - °F |
| 10 Maximum winding temperature | 130 | [°C] | |

B - MECHANICAL DATA

| | | |
|-------------------------------|----------------|----------------------------------|
| 1 Commercial designation | 1/10 | [hp] |
| 2 Displacement | 6.23 | [cm ³] (0.380 cu.in) |
| 2.1 Bore [mm] | 21.000 | |
| 2.2 Stroke [mm] | 18.000 | |
| 3 Lubricant charge | 175 | [ml] (5.92 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ALQUILB / ISO5 | |
| 4 Weight (with oil charge) | 5.1 | [kg] (11.24 lb.) |
| 5 Nitrogen charge | - | [kgf/cm ²] |

C - ELETRICAL DATA

| | | |
|---|----------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 43-134 Hz 3~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | CF02C05 | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | INVERTER CF02C05 | |
| 6 Start winding resistance | 20.00 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 20.00 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (43 /134 Hz) | 1.70 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (43 /134 Hz) | 1.70 | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (43 /134 Hz) | 1.70 | [A] - Measured according to UL 984 |
| 11 Approval boards certification | UL | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|----------------------------------|----------|-----|-----------------------------|-------------------------------|--|---------------------------|--|-------|
| TEST CONDITIONS: @115V1300RPM | | | 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] |
| 136 | 34 | 40 | 24 | 0.42 | 0.43 | 5.69 | 1.43 | 1.67 |

| | | | | | | | | |
|----------------------------------|----------|-----|-----------------------------|-------------------------------|--|---------------------------|--|-------|
| 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] |
| 222 | 56 | 65 | 36 | 0.57 | 0.70 | 6.10 | 1.54 | 1.79 |

| | | | | | | | | |
|----------------------------------|----------|-----|-----------------------------|-------------------------------|--|---------------------------|--|-------|
| 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] |
| 333 | 84 | 98 | 54 | 0.82 | 1.05 | 6.14 | 1.55 | 1.80 |

| | | | | | | | | |
|----------------------------------|----------|-----|-----------------------------|-------------------------------|--|---------------------------|--|-------|
| 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] |
| 413 | 104 | 121 | 71 | 1.05 | 1.30 | 5.80 | 1.46 | 1.70 |

E - PERFORMANCE - CURVES

| | | | | | | | | | | |
|----------------------------------|----------------------------|--------------------|---------|-----------------------------|-------------------------------|--|---------------------------|--------|----------|-----------|
| TEST CONDITIONS: @115V1300RPM | | 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) | 79 | 20 | 23 | 14 | 0.31 | 0.25 | 5.52 | 1.39 | 1.62 |
| -30 | (-22) | 113 | 29 | 33 | 17 | 0.35 | 0.35 | 6.58 | 1.66 | 1.93 |
| -25 | (-13) | 154 | 39 | 45 | 20 | 0.38 | 0.48 | 7.70 | 1.94 | 2.26 |
| -20 | (- 4) | 203 | 51 | 59 | 23 | 0.41 | 0.64 | 8.92 | 2.25 | 2.61 |
| -15 | (+ 5) | 260 | 66 | 76 | 25 | 0.44 | 0.82 | 10.29 | 2.59 | 3.02 |
| -10 | (+14) | 327 | 82 | 96 | 28 | 0.47 | 1.03 | 11.87 | 2.99 | 3.48 |
| -5 | (+23) | 405 | 102 | 119 | 29 | 0.50 | 1.28 | 13.71 | 3.45 | 4.02 |
| 0 | (+32) | 495 | 125 | 145 | 31 | 0.52 | 1.57 | 15.85 | 3.99 | 4.65 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V1300RPM | | 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) | 64 | 16 | 19 | 15 | 0.33 | 0.20 | 4.41 | 1.11 | 1.29 |
| -30 | (-22) | 96 | 24 | 28 | 18 | 0.36 | 0.30 | 5.38 | 1.36 | 1.58 |
| -25 | (-13) | 134 | 34 | 39 | 21 | 0.40 | 0.42 | 6.34 | 1.60 | 1.86 |
| -20 | (- 4) | 181 | 46 | 53 | 24 | 0.44 | 0.57 | 7.35 | 1.85 | 2.15 |
| -15 | (+ 5) | 237 | 60 | 70 | 28 | 0.48 | 0.75 | 8.46 | 2.13 | 2.48 |
| -10 | (+14) | 304 | 77 | 89 | 31 | 0.52 | 0.96 | 9.71 | 2.45 | 2.84 |
| -5 | (+23) | 382 | 96 | 112 | 34 | 0.57 | 1.21 | 11.16 | 2.81 | 3.27 |
| 0 | (+32) | 473 | 119 | 139 | 37 | 0.62 | 1.50 | 12.86 | 3.24 | 3.77 |

| TEST CONDITIONS: @115V1300RPM | | 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) | 52 | 13 | 15 | 15 | 0.34 | 0.16 | 3.43 | 0.86 | 1.00 |
| -30 | (-22) | 79 | 20 | 23 | 18 | 0.37 | 0.25 | 4.34 | 1.09 | 1.27 |
| -25 | (-13) | 114 | 29 | 33 | 22 | 0.40 | 0.36 | 5.19 | 1.31 | 1.52 |
| -20 | (- 4) | 157 | 40 | 46 | 26 | 0.45 | 0.49 | 6.03 | 1.52 | 1.77 |
| -15 | (+ 5) | 211 | 53 | 62 | 30 | 0.50 | 0.66 | 6.91 | 1.74 | 2.02 |
| -10 | (+14) | 275 | 69 | 81 | 35 | 0.56 | 0.87 | 7.88 | 1.98 | 2.31 |
| -5 | (+23) | 352 | 89 | 103 | 39 | 0.63 | 1.11 | 8.99 | 2.26 | 2.63 |
| 0 | (+32) | 442 | 111 | 129 | 43 | 0.71 | 1.40 | 10.29 | 2.59 | 3.01 |

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|---------------------------------------|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 129 | 33 | 38 | 21 | 0.40 | 0.40 | 6.13 | 1.54 | 1.80 |
| -30 | (-22) | 182 | 46 | 53 | 26 | 0.46 | 0.57 | 6.88 | 1.73 | 2.02 |
| -25 | (-13) | 243 | 61 | 71 | 31 | 0.52 | 0.76 | 7.82 | 1.97 | 2.29 |
| -20 | (- 4) | 316 | 80 | 93 | 35 | 0.56 | 0.99 | 8.96 | 2.26 | 2.62 |
| -15 | (+ 5) | 405 | 102 | 119 | 39 | 0.61 | 1.28 | 10.33 | 2.60 | 3.03 |
| -10 | (+14) | 513 | 129 | 150 | 43 | 0.67 | 1.62 | 11.96 | 3.01 | 3.50 |
| -5 | (+23) | 642 | 162 | 188 | 46 | 0.73 | 2.03 | 13.88 | 3.50 | 4.07 |
| 0 | (+32) | 797 | 201 | 234 | 50 | 0.81 | 2.53 | 16.11 | 4.06 | 4.72 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 104 | 26 | 30 | 22 | 0.40 | 0.32 | 4.83 | 1.22 | 1.41 |
| -30 | (-22) | 156 | 39 | 46 | 27 | 0.47 | 0.49 | 5.67 | 1.43 | 1.66 |
| -25 | (-13) | 217 | 55 | 64 | 33 | 0.53 | 0.68 | 6.58 | 1.66 | 1.93 |
| -20 | (- 4) | 289 | 73 | 85 | 38 | 0.60 | 0.91 | 7.59 | 1.91 | 2.22 |
| -15 | (+ 5) | 376 | 95 | 110 | 43 | 0.66 | 1.18 | 8.72 | 2.20 | 2.56 |
| -10 | (+14) | 480 | 121 | 141 | 48 | 0.73 | 1.51 | 10.01 | 2.52 | 2.93 |
| -5 | (+23) | 605 | 152 | 177 | 53 | 0.82 | 1.91 | 11.48 | 2.89 | 3.36 |
| 0 | (+32) | 755 | 190 | 221 | 58 | 0.92 | 2.39 | 13.15 | 3.31 | 3.85 |

| TEST CONDITIONS: @115V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 85 | 21 | 25 | 22 | 0.42 | 0.27 | 3.80 | 0.96 | 1.11 |
| -30 | (-22) | 137 | 34 | 40 | 28 | 0.49 | 0.43 | 4.76 | 1.20 | 1.39 |
| -25 | (-13) | 195 | 49 | 57 | 34 | 0.56 | 0.61 | 5.69 | 1.43 | 1.67 |
| -20 | (- 4) | 264 | 66 | 77 | 40 | 0.63 | 0.83 | 6.61 | 1.67 | 1.94 |
| -15 | (+ 5) | 346 | 87 | 101 | 46 | 0.70 | 1.09 | 7.55 | 1.90 | 2.21 |
| -10 | (+14) | 445 | 112 | 130 | 52 | 0.78 | 1.41 | 8.54 | 2.15 | 2.50 |
| -5 | (+23) | 565 | 142 | 165 | 59 | 0.88 | 1.79 | 9.60 | 2.42 | 2.81 |
| 0 | (+32) | 707 | 178 | 207 | 66 | 1.01 | 2.24 | 10.75 | 2.71 | 3.15 |

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|---------------------------------------|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 193 | 49 | 57 | 35 | 0.55 | 0.61 | 5.56 | 1.40 | 1.63 |
| -30 | (-22) | 268 | 68 | 79 | 42 | 0.66 | 0.84 | 6.46 | 1.63 | 1.89 |
| -25 | (-13) | 364 | 92 | 107 | 49 | 0.75 | 1.14 | 7.51 | 1.89 | 2.20 |
| -20 | (- 4) | 480 | 121 | 141 | 55 | 0.84 | 1.51 | 8.69 | 2.19 | 2.55 |
| -15 | (+ 5) | 616 | 155 | 181 | 62 | 0.92 | 1.94 | 10.00 | 2.52 | 2.93 |
| -10 | (+14) | 772 | 195 | 226 | 68 | 1.00 | 2.44 | 11.43 | 2.88 | 3.35 |
| -5 | (+23) | 948 | 239 | 278 | 73 | 1.08 | 3.00 | 12.98 | 3.27 | 3.80 |
| 0 | (+32) | 1142 | 288 | 335 | 77 | 1.15 | 3.62 | 14.64 | 3.69 | 4.29 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 168 | 42 | 49 | 35 | 0.55 | 0.53 | 4.72 | 1.19 | 1.38 |
| -30 | (-22) | 240 | 60 | 70 | 43 | 0.67 | 0.75 | 5.54 | 1.40 | 1.62 |
| -25 | (-13) | 332 | 84 | 97 | 51 | 0.78 | 1.04 | 6.48 | 1.63 | 1.90 |
| -20 | (- 4) | 445 | 112 | 131 | 59 | 0.89 | 1.40 | 7.51 | 1.89 | 2.20 |
| -15 | (+ 5) | 579 | 146 | 170 | 67 | 1.00 | 1.82 | 8.64 | 2.18 | 2.53 |
| -10 | (+14) | 732 | 184 | 214 | 74 | 1.11 | 2.31 | 9.86 | 2.49 | 2.89 |
| -5 | (+23) | 904 | 228 | 265 | 81 | 1.22 | 2.86 | 11.16 | 2.81 | 3.27 |
| 0 | (+32) | 1095 | 276 | 321 | 87 | 1.32 | 3.47 | 12.54 | 3.16 | 3.67 |

| TEST CONDITIONS: @115V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|----------------------------|----------|-----|--|-------------------------------|-------------------------|---------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 137 | 35 | 40 | 37 | 0.55 | 0.43 | 3.81 | 0.96 | 1.12 |
| -30 | (-22) | 206 | 52 | 60 | 45 | 0.67 | 0.64 | 4.61 | 1.16 | 1.35 |
| -25 | (-13) | 295 | 74 | 86 | 54 | 0.80 | 0.93 | 5.49 | 1.38 | 1.61 |
| -20 | (- 4) | 404 | 102 | 119 | 63 | 0.93 | 1.27 | 6.43 | 1.62 | 1.88 |
| -15 | (+ 5) | 534 | 135 | 157 | 72 | 1.06 | 1.68 | 7.44 | 1.87 | 2.18 |
| -10 | (+14) | 684 | 172 | 200 | 80 | 1.19 | 2.16 | 8.50 | 2.14 | 2.49 |
| -5 | (+23) | 853 | 215 | 250 | 89 | 1.32 | 2.70 | 9.60 | 2.42 | 2.81 |
| 0 | (+32) | 1040 | 262 | 305 | 97 | 1.46 | 3.30 | 10.75 | 2.71 | 3.15 |

| 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] | [W/W] |
| -35 | (-31) | 226 | 57 | 66 | 44 | 0.69 | 0.71 | 5.18 | 1.30 | 1.52 |
| -30 | (-22) | 332 | 84 | 97 | 54 | 0.82 | 1.04 | 6.15 | 1.55 | 1.80 |
| -25 | (-13) | 463 | 117 | 136 | 65 | 0.97 | 1.45 | 7.15 | 1.80 | 2.10 |
| -20 | (- 4) | 621 | 157 | 182 | 76 | 1.13 | 1.95 | 8.20 | 2.07 | 2.40 |
| -15 | (+ 5) | 809 | 204 | 237 | 87 | 1.29 | 2.54 | 9.30 | 2.34 | 2.73 |
| -10 | (+14) | 1028 | 259 | 301 | 98 | 1.45 | 3.24 | 10.49 | 2.64 | 3.07 |
| -5 | (+23) | 1282 | 323 | 376 | 109 | 1.62 | 4.05 | 11.77 | 2.97 | 3.45 |
| 0 | (+32) | 1574 | 397 | 461 | 119 | 1.78 | 4.99 | 13.17 | 3.32 | 3.86 |

E - PERFORMANCE - CURVES

| 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] | [W/W] |
| -35 | (-31) | 201 | 51 | 59 | 47 | 0.75 | 0.63 | 4.26 | 1.07 | 1.25 |
| -30 | (-22) | 293 | 74 | 86 | 56 | 0.86 | 0.92 | 5.20 | 1.31 | 1.52 |
| -25 | (-13) | 414 | 104 | 121 | 67 | 0.99 | 1.30 | 6.15 | 1.55 | 1.80 |
| -20 | (- 4) | 564 | 142 | 165 | 79 | 1.15 | 1.77 | 7.13 | 1.80 | 2.09 |
| -15 | (+ 5) | 748 | 189 | 219 | 91 | 1.32 | 2.36 | 8.17 | 2.06 | 2.39 |
| -10 | (+14) | 968 | 244 | 284 | 104 | 1.51 | 3.05 | 9.27 | 2.34 | 2.72 |
| -5 | (+23) | 1227 | 309 | 360 | 118 | 1.72 | 3.88 | 10.46 | 2.63 | 3.06 |
| 0 | (+32) | 1527 | 385 | 447 | 131 | 1.93 | 4.84 | 11.74 | 2.96 | 3.44 |

| 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] | [W/W] |
| -35 | (-31) | 172 | 43 | 50 | 49 | 0.80 | 0.54 | 3.45 | 0.87 | 1.01 |
| -30 | (-22) | 245 | 62 | 72 | 58 | 0.89 | 0.77 | 4.33 | 1.09 | 1.27 |
| -25 | (-13) | 350 | 88 | 103 | 68 | 1.02 | 1.10 | 5.22 | 1.32 | 1.53 |
| -20 | (- 4) | 489 | 123 | 143 | 80 | 1.18 | 1.54 | 6.12 | 1.54 | 1.79 |
| -15 | (+ 5) | 665 | 168 | 195 | 94 | 1.37 | 2.09 | 7.07 | 1.78 | 2.07 |
| -10 | (+14) | 881 | 222 | 258 | 109 | 1.59 | 2.78 | 8.07 | 2.03 | 2.36 |
| -5 | (+23) | 1139 | 287 | 334 | 124 | 1.84 | 3.60 | 9.13 | 2.30 | 2.68 |
| 0 | (+32) | 1442 | 363 | 422 | 141 | 2.11 | 4.57 | 10.29 | 2.59 | 3.02 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|------------------------------|------|--------------------------|
| 1 Base plate | European Standard FMX | | |
| 2 Tray holder | Yes | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 6.2 +0.05/+0.05 | [mm] | (0.244" +0.002"/+0.002") |
| 3.1.1 Material | Copper | | |
| 3.1.2 Shape | Slanted 45° up + 45° to Back | | |
| 3.2 DISCHARGE | 4.2 +0.10/-0.05 | [mm] | (0.165" +0.004"/-0.002") |
| 3.2.1 Material | Copper | | |
| 3.2.2 Shape | Slanted 0° up + 37° to Back | | |
| 3.3 PROCESS | 6.2 +0.05/+0.05 | [mm] | (0.244" +0.002"/+0.002") |
| 3.3.1 Material | Copper | | |
| 3.3.2 Shape | Slanted 45° up + 57° to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |