

COMPRESSOR DEFINITION

| | |
|---------------------------|-------------------------|
| Designation | FMX Y6C |
| Nominal Voltage/Frequency | 230 V 43 -134 Hz |
| Engineering Number | 513908160 |

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) | 4.9 | [kg] (10.80 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 | CF02D01 M 0.0 X | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | INVERTER CF02D01 M 0 | |
| 6 Start winding resistance | 18.50 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 18.50 | [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 | VDE | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|--|
| TEST CONDITIONS: @220V1300RPM | | | 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] | |
| 133 | 34 | 39 | 24 | 0.22 | 0.42 | 5.45 | 1.37 | 1.60 | |

| | | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|--|
| TEST CONDITIONS: @220V2000RPM | | | 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 | 40 | 0.29 | 0.70 | 5.61 | 1.41 | 1.64 | |

| | | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|--|
| TEST CONDITIONS: @220V3000RPM | | | 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] | |
| 331 | 83 | 97 | 59 | 0.42 | 1.04 | 5.59 | 1.41 | 1.64 | |

| | | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|--|
| TEST CONDITIONS: @220V4000RPM | | | 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 | 73 | 0.61 | 1.30 | 5.63 | 1.42 | 1.65 | |

E - PERFORMANCE - CURVES

| | | | | | | | | | | |
|---|----------------------------|----------------------------------|---------|-----------------------------|-------------------------------|-------------------------|---|--------|----------|-----------|
| TEST CONDITIONS: @220V1300RPM | | 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) | 78 | 20 | 23 | 15 | 0.16 | 0.24 | 5.29 | 1.33 | 1.55 |
| -30 | (-22) | 114 | 29 | 33 | 18 | 0.17 | 0.36 | 6.24 | 1.57 | 1.83 |
| -25 | (-13) | 156 | 39 | 46 | 21 | 0.19 | 0.49 | 7.24 | 1.82 | 2.12 |
| -20 | (- 4) | 205 | 52 | 60 | 25 | 0.21 | 0.64 | 8.35 | 2.10 | 2.45 |
| -15 | (+ 5) | 263 | 66 | 77 | 28 | 0.24 | 0.83 | 9.63 | 2.43 | 2.82 |
| -10 | (+14) | 331 | 83 | 97 | 30 | 0.26 | 1.04 | 11.16 | 2.81 | 3.27 |
| -5 | (+23) | 410 | 103 | 120 | 31 | 0.28 | 1.30 | 12.97 | 3.27 | 3.80 |
| 0 | (+32) | 502 | 127 | 147 | 32 | 0.28 | 1.59 | 15.15 | 3.82 | 4.44 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V1300RPM | | 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) | 68 | 17 | 20 | 16 | 0.17 | 0.21 | 4.41 | 1.11 | 1.29 |
| -30 | (-22) | 99 | 25 | 29 | 19 | 0.18 | 0.31 | 5.24 | 1.32 | 1.53 |
| -25 | (-13) | 136 | 34 | 40 | 22 | 0.20 | 0.43 | 6.05 | 1.52 | 1.77 |
| -20 | (- 4) | 181 | 46 | 53 | 26 | 0.23 | 0.57 | 6.90 | 1.74 | 2.02 |
| -15 | (+ 5) | 236 | 59 | 69 | 30 | 0.26 | 0.74 | 7.86 | 1.98 | 2.30 |
| -10 | (+14) | 302 | 76 | 89 | 34 | 0.29 | 0.95 | 8.99 | 2.27 | 2.63 |
| -5 | (+23) | 381 | 96 | 112 | 37 | 0.32 | 1.21 | 10.35 | 2.61 | 3.03 |
| 0 | (+32) | 474 | 119 | 139 | 40 | 0.34 | 1.50 | 12.01 | 3.03 | 3.52 |

| TEST CONDITIONS: @220V1300RPM | | 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) | 63 | 16 | 18 | 16 | 0.19 | 0.20 | 3.80 | 0.96 | 1.11 |
| -30 | (-22) | 87 | 22 | 25 | 19 | 0.19 | 0.27 | 4.54 | 1.14 | 1.33 |
| -25 | (-13) | 118 | 30 | 35 | 23 | 0.21 | 0.37 | 5.20 | 1.31 | 1.52 |
| -20 | (- 4) | 159 | 40 | 46 | 27 | 0.24 | 0.50 | 5.83 | 1.47 | 1.71 |
| -15 | (+ 5) | 210 | 53 | 62 | 32 | 0.28 | 0.66 | 6.51 | 1.64 | 1.91 |
| -10 | (+14) | 274 | 69 | 80 | 37 | 0.32 | 0.86 | 7.28 | 1.84 | 2.13 |
| -5 | (+23) | 351 | 88 | 103 | 43 | 0.36 | 1.11 | 8.23 | 2.07 | 2.41 |
| 0 | (+32) | 444 | 112 | 130 | 48 | 0.39 | 1.41 | 9.39 | 2.37 | 2.75 |

| TEST CONDITIONS: @220V2000RPM | | 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) | 131 | 33 | 38 | 21 | 0.20 | 0.41 | 6.10 | 1.54 | 1.79 |
| -30 | (-22) | 183 | 46 | 54 | 27 | 0.22 | 0.57 | 6.71 | 1.69 | 1.97 |
| -25 | (-13) | 244 | 61 | 71 | 33 | 0.26 | 0.77 | 7.51 | 1.89 | 2.20 |
| -20 | (- 4) | 316 | 80 | 93 | 37 | 0.30 | 0.99 | 8.52 | 2.15 | 2.50 |
| -15 | (+ 5) | 403 | 102 | 118 | 41 | 0.34 | 1.27 | 9.77 | 2.46 | 2.86 |
| -10 | (+14) | 508 | 128 | 149 | 45 | 0.38 | 1.60 | 11.28 | 2.84 | 3.31 |
| -5 | (+23) | 634 | 160 | 186 | 48 | 0.40 | 2.00 | 13.08 | 3.30 | 3.83 |
| 0 | (+32) | 784 | 198 | 230 | 52 | 0.41 | 2.48 | 15.19 | 3.83 | 4.45 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V2000RPM | | 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) | 105 | 26 | 31 | 23 | 0.22 | 0.33 | 4.69 | 1.18 | 1.37 |
| -30 | (-22) | 156 | 39 | 46 | 29 | 0.24 | 0.49 | 5.43 | 1.37 | 1.59 |
| -25 | (-13) | 216 | 54 | 63 | 34 | 0.28 | 0.68 | 6.24 | 1.57 | 1.83 |
| -20 | (- 4) | 287 | 72 | 84 | 40 | 0.33 | 0.90 | 7.17 | 1.81 | 2.10 |
| -15 | (+ 5) | 373 | 94 | 109 | 45 | 0.38 | 1.17 | 8.22 | 2.07 | 2.41 |
| -10 | (+14) | 476 | 120 | 139 | 50 | 0.43 | 1.50 | 9.43 | 2.38 | 2.76 |
| -5 | (+23) | 600 | 151 | 176 | 56 | 0.47 | 1.90 | 10.82 | 2.73 | 3.17 |
| 0 | (+32) | 749 | 189 | 219 | 61 | 0.50 | 2.37 | 12.41 | 3.13 | 3.64 |

| TEST CONDITIONS: @220V2000RPM | | 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) | 87 | 22 | 25 | 23 | 0.23 | 0.27 | 3.82 | 0.96 | 1.12 |
| -30 | (-22) | 136 | 34 | 40 | 29 | 0.25 | 0.43 | 4.67 | 1.18 | 1.37 |
| -25 | (-13) | 193 | 49 | 57 | 35 | 0.29 | 0.61 | 5.49 | 1.38 | 1.61 |
| -20 | (- 4) | 261 | 66 | 77 | 42 | 0.34 | 0.82 | 6.31 | 1.59 | 1.85 |
| -15 | (+ 5) | 344 | 87 | 101 | 48 | 0.40 | 1.08 | 7.16 | 1.80 | 2.10 |
| -10 | (+14) | 445 | 112 | 130 | 55 | 0.46 | 1.40 | 8.05 | 2.03 | 2.36 |
| -5 | (+23) | 566 | 143 | 166 | 63 | 0.51 | 1.79 | 9.02 | 2.27 | 2.64 |
| 0 | (+32) | 711 | 179 | 208 | 71 | 0.55 | 2.25 | 10.08 | 2.54 | 2.95 |

| TEST CONDITIONS: @220V3000RPM | | 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) | 190 | 48 | 56 | 36 | 0.29 | 0.59 | 5.22 | 1.32 | 1.53 |
| -30 | (-22) | 262 | 66 | 77 | 42 | 0.32 | 0.82 | 6.18 | 1.56 | 1.81 |
| -25 | (-13) | 355 | 90 | 104 | 49 | 0.37 | 1.11 | 7.17 | 1.81 | 2.10 |
| -20 | (- 4) | 471 | 119 | 138 | 57 | 0.44 | 1.48 | 8.25 | 2.08 | 2.42 |
| -15 | (+ 5) | 610 | 154 | 179 | 64 | 0.50 | 1.92 | 9.49 | 2.39 | 2.78 |
| -10 | (+14) | 772 | 194 | 226 | 71 | 0.55 | 2.43 | 10.95 | 2.76 | 3.21 |
| -5 | (+23) | 957 | 241 | 280 | 75 | 0.58 | 3.03 | 12.68 | 3.20 | 3.72 |
| 0 | (+32) | 1166 | 294 | 342 | 78 | 0.56 | 3.70 | 14.77 | 3.72 | 4.33 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V3000RPM | | 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) | 173 | 44 | 51 | 38 | 0.31 | 0.54 | 4.55 | 1.15 | 1.33 |
| -30 | (-22) | 242 | 61 | 71 | 44 | 0.33 | 0.76 | 5.52 | 1.39 | 1.62 |
| -25 | (-13) | 333 | 84 | 98 | 52 | 0.39 | 1.04 | 6.43 | 1.62 | 1.89 |
| -20 | (- 4) | 445 | 112 | 130 | 60 | 0.47 | 1.40 | 7.34 | 1.85 | 2.15 |
| -15 | (+ 5) | 578 | 146 | 169 | 69 | 0.55 | 1.82 | 8.32 | 2.10 | 2.44 |
| -10 | (+14) | 734 | 185 | 215 | 78 | 0.62 | 2.31 | 9.42 | 2.37 | 2.76 |
| -5 | (+23) | 912 | 230 | 267 | 85 | 0.67 | 2.88 | 10.70 | 2.70 | 3.14 |
| 0 | (+32) | 1113 | 281 | 326 | 91 | 0.68 | 3.53 | 12.24 | 3.08 | 3.59 |

| TEST CONDITIONS: @220V3000RPM | | 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) | 132 | 33 | 39 | 39 | 0.33 | 0.41 | 3.39 | 0.85 | 0.99 |
| -30 | (-22) | 201 | 51 | 59 | 45 | 0.35 | 0.63 | 4.53 | 1.14 | 1.33 |
| -25 | (-13) | 290 | 73 | 85 | 53 | 0.40 | 0.91 | 5.53 | 1.39 | 1.62 |
| -20 | (- 4) | 400 | 101 | 117 | 62 | 0.48 | 1.26 | 6.43 | 1.62 | 1.88 |
| -15 | (+ 5) | 530 | 134 | 155 | 73 | 0.57 | 1.67 | 7.30 | 1.84 | 2.14 |
| -10 | (+14) | 682 | 172 | 200 | 83 | 0.65 | 2.15 | 8.20 | 2.07 | 2.40 |
| -5 | (+23) | 855 | 215 | 251 | 93 | 0.72 | 2.70 | 9.19 | 2.32 | 2.69 |
| 0 | (+32) | 1050 | 265 | 308 | 102 | 0.75 | 3.33 | 10.34 | 2.61 | 3.03 |

| TEST CONDITIONS: @220V4000RPM | | 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) | 216 | 54 | 63 | 47 | 0.35 | 0.68 | 4.61 | 1.16 | 1.35 |
| -30 | (-22) | 316 | 80 | 93 | 56 | 0.44 | 0.99 | 5.61 | 1.41 | 1.65 |
| -25 | (-13) | 433 | 109 | 127 | 67 | 0.53 | 1.36 | 6.50 | 1.64 | 1.90 |
| -20 | (- 4) | 572 | 144 | 168 | 78 | 0.62 | 1.80 | 7.36 | 1.86 | 2.16 |
| -15 | (+ 5) | 740 | 187 | 217 | 89 | 0.70 | 2.33 | 8.30 | 2.09 | 2.43 |
| -10 | (+14) | 944 | 238 | 277 | 100 | 0.78 | 2.98 | 9.42 | 2.37 | 2.76 |
| -5 | (+23) | 1191 | 300 | 349 | 110 | 0.85 | 3.76 | 10.80 | 2.72 | 3.16 |
| 0 | (+32) | 1486 | 375 | 436 | 119 | 0.92 | 4.71 | 12.55 | 3.16 | 3.68 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V4000RPM | | 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) | 202 | 51 | 59 | 49 | 0.37 | 0.63 | 4.13 | 1.04 | 1.21 |
| -30 | (-22) | 298 | 75 | 87 | 58 | 0.46 | 0.93 | 5.14 | 1.30 | 1.51 |
| -25 | (-13) | 408 | 103 | 120 | 68 | 0.55 | 1.28 | 5.96 | 1.50 | 1.75 |
| -20 | (- 4) | 540 | 136 | 158 | 81 | 0.64 | 1.70 | 6.69 | 1.69 | 1.96 |
| -15 | (+ 5) | 701 | 177 | 205 | 94 | 0.73 | 2.21 | 7.43 | 1.87 | 2.18 |
| -10 | (+14) | 896 | 226 | 262 | 108 | 0.83 | 2.83 | 8.26 | 2.08 | 2.42 |
| -5 | (+23) | 1132 | 285 | 332 | 122 | 0.92 | 3.58 | 9.30 | 2.34 | 2.72 |
| 0 | (+32) | 1416 | 357 | 415 | 135 | 1.01 | 4.49 | 10.63 | 2.68 | 3.12 |

| TEST CONDITIONS: @220V4000RPM | | 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) | 175 | 44 | 51 | 52 | 0.39 | 0.55 | 3.39 | 0.85 | 0.99 |
| -30 | (-22) | 264 | 67 | 77 | 58 | 0.48 | 0.83 | 4.51 | 1.14 | 1.32 |
| -25 | (-13) | 367 | 92 | 108 | 68 | 0.57 | 1.15 | 5.38 | 1.36 | 1.58 |
| -20 | (- 4) | 490 | 124 | 144 | 81 | 0.67 | 1.54 | 6.08 | 1.53 | 1.78 |
| -15 | (+ 5) | 641 | 162 | 188 | 96 | 0.77 | 2.02 | 6.71 | 1.69 | 1.97 |
| -10 | (+14) | 825 | 208 | 242 | 112 | 0.87 | 2.60 | 7.38 | 1.86 | 2.16 |
| -5 | (+23) | 1049 | 264 | 307 | 128 | 0.98 | 3.32 | 8.17 | 2.06 | 2.39 |
| 0 | (+32) | 1320 | 333 | 387 | 145 | 1.09 | 4.18 | 9.19 | 2.32 | 2.69 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|------------------------------|------|--------------------------|
| 1 Base plate | European Standard FMX | | |
| 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 45° up + 57° 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 45° up + 37° 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 74° up + 11° to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |