

COMPRESSOR DEFINITION

| | |
|---------------------------|-------------------------|
| Designation | FMX D9C |
| Nominal Voltage/Frequency | 230 V 43 -134 Hz |
| Engineering Number | 513908060 |

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 | | |
| 4.1 Evaporating temperature range | -35°C to -5°C | (-31°F to 23°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 | - | - |
| 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 | 1/6 | [hp] |
| 2 Displacement | 8.74 | [cm ³] (0.533 cu.in) |
| 2.1 Bore [mm] | 22.500 | |
| 2.2 Stroke [mm] | 22.000 | |
| 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) | 5.12 | [kg] (11.29 lb.) |
| 5 Nitrogen charge | - | [kgf/cm ²] |

C - ELECTRICAL 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 | VESF 2456 XXX X | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | INVERTER VESF 2456 X | |
| 6 Start winding resistance | 19.20 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 19.20 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (43 /134 Hz) | - | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (43 /134 Hz) | - | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (43 /134 Hz) | - | [A] - Measured according to UL 984 |
| 11 Approval boards certification | | |

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 (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| 212 | 53 | 62 | 34 | 0.28 | 0.67 | 6.29 | 1.59 | 1.84 | |

| | | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|--|
| TEST CONDITIONS: @220V2000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| 339 | 85 | 99 | 52 | 0.40 | 1.06 | 6.49 | 1.64 | 1.90 | |

| | | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|--|
| TEST CONDITIONS: @220V3000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| 520 | 131 | 152 | 81 | 0.69 | 1.63 | 6.45 | 1.63 | 1.89 | |

| | | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|--|
| TEST CONDITIONS: @220V4000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| 669 | 169 | 196 | 109 | 0.89 | 2.10 | 6.14 | 1.55 | 1.80 | |

E - PERFORMANCE - CURVES

| | | | | | | | | | | |
|---|---------------------------------|----------------------------------|---------|----------------------------|----------------------------|---|--------------------------------|--------|----------|-----------|
| TEST CONDITIONS: @220V1300RPM | | ASHRAE32 Static | | | | (Condensing temperature 35°C (+95°F)) | | | | |
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 127 | 32 | 37 | 20 | 0.20 | 0.40 | 6.23 | 1.57 | 1.83 |
| -30 | (-22) | 173 | 43 | 51 | 24 | 0.22 | 0.54 | 7.12 | 1.79 | 2.09 |
| -25 | (-13) | 229 | 58 | 67 | 28 | 0.24 | 0.72 | 8.12 | 2.05 | 2.38 |
| -20 | (- 4) | 298 | 75 | 87 | 32 | 0.26 | 0.94 | 9.30 | 2.34 | 2.72 |
| -15 | (+ 5) | 383 | 96 | 112 | 36 | 0.29 | 1.20 | 10.67 | 2.69 | 3.13 |
| -10 | (+14) | 484 | 122 | 142 | 40 | 0.31 | 1.53 | 12.30 | 3.10 | 3.60 |
| -5 | (+23) | 605 | 152 | 177 | 43 | 0.33 | 1.91 | 14.22 | 3.58 | 4.17 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V1300RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 118 | 30 | 35 | 21 | 0.21 | 0.37 | 5.55 | 1.40 | 1.63 |
| -30 | (-22) | 160 | 40 | 47 | 25 | 0.23 | 0.50 | 6.31 | 1.59 | 1.85 |
| -25 | (-13) | 213 | 54 | 62 | 30 | 0.25 | 0.67 | 7.11 | 1.79 | 2.08 |
| -20 | (- 4) | 280 | 70 | 82 | 35 | 0.28 | 0.88 | 8.01 | 2.02 | 2.35 |
| -15 | (+ 5) | 362 | 91 | 106 | 40 | 0.31 | 1.14 | 9.04 | 2.28 | 2.65 |
| -10 | (+14) | 463 | 117 | 136 | 45 | 0.34 | 1.46 | 10.25 | 2.58 | 3.00 |
| -5 | (+23) | 583 | 147 | 171 | 50 | 0.37 | 1.84 | 11.67 | 2.94 | 3.42 |

| TEST CONDITIONS: @220V1300RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 97 | 24 | 28 | 22 | 0.21 | 0.30 | 4.50 | 1.13 | 1.32 |
| -30 | (-22) | 137 | 35 | 40 | 26 | 0.24 | 0.43 | 5.27 | 1.33 | 1.54 |
| -25 | (-13) | 190 | 48 | 56 | 32 | 0.27 | 0.60 | 6.01 | 1.51 | 1.76 |
| -20 | (- 4) | 257 | 65 | 75 | 38 | 0.31 | 0.81 | 6.77 | 1.71 | 1.98 |
| -15 | (+ 5) | 341 | 86 | 100 | 45 | 0.35 | 1.07 | 7.59 | 1.91 | 2.22 |
| -10 | (+14) | 443 | 112 | 130 | 52 | 0.40 | 1.40 | 8.51 | 2.14 | 2.49 |
| -5 | (+23) | 565 | 142 | 166 | 59 | 0.44 | 1.79 | 9.58 | 2.41 | 2.81 |

| TEST CONDITIONS: @220V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|---------------------------------------|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 202 | 51 | 59 | 33 | 0.26 | 0.63 | 6.18 | 1.56 | 1.81 |
| -30 | (-22) | 267 | 67 | 78 | 38 | 0.30 | 0.84 | 7.05 | 1.78 | 2.07 |
| -25 | (-13) | 352 | 89 | 103 | 44 | 0.33 | 1.10 | 8.07 | 2.03 | 2.36 |
| -20 | (- 4) | 457 | 115 | 134 | 50 | 0.36 | 1.44 | 9.23 | 2.33 | 2.70 |
| -15 | (+ 5) | 584 | 147 | 171 | 55 | 0.40 | 1.84 | 10.53 | 2.65 | 3.09 |
| -10 | (+14) | 732 | 185 | 215 | 61 | 0.44 | 2.31 | 11.98 | 3.02 | 3.51 |
| -5 | (+23) | 903 | 228 | 265 | 67 | 0.49 | 2.86 | 13.57 | 3.42 | 3.98 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 187 | 47 | 55 | 34 | 0.27 | 0.59 | 5.57 | 1.40 | 1.63 |
| -30 | (-22) | 251 | 63 | 74 | 40 | 0.32 | 0.79 | 6.30 | 1.59 | 1.85 |
| -25 | (-13) | 334 | 84 | 98 | 47 | 0.36 | 1.05 | 7.13 | 1.80 | 2.09 |
| -20 | (- 4) | 438 | 110 | 128 | 54 | 0.40 | 1.38 | 8.06 | 2.03 | 2.36 |
| -15 | (+ 5) | 562 | 142 | 165 | 62 | 0.44 | 1.77 | 9.09 | 2.29 | 2.66 |
| -10 | (+14) | 709 | 179 | 208 | 69 | 0.50 | 2.24 | 10.24 | 2.58 | 3.00 |
| -5 | (+23) | 877 | 221 | 257 | 76 | 0.56 | 2.77 | 11.48 | 2.89 | 3.37 |

| TEST CONDITIONS: @220V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 160 | 40 | 47 | 34 | 0.27 | 0.50 | 4.73 | 1.19 | 1.38 |
| -30 | (-22) | 223 | 56 | 65 | 41 | 0.33 | 0.70 | 5.42 | 1.37 | 1.59 |
| -25 | (-13) | 304 | 77 | 89 | 49 | 0.38 | 0.96 | 6.17 | 1.56 | 1.81 |
| -20 | (- 4) | 406 | 102 | 119 | 58 | 0.43 | 1.28 | 6.99 | 1.76 | 2.05 |
| -15 | (+ 5) | 529 | 133 | 155 | 67 | 0.49 | 1.66 | 7.87 | 1.98 | 2.31 |
| -10 | (+14) | 672 | 169 | 197 | 76 | 0.55 | 2.12 | 8.83 | 2.22 | 2.59 |
| -5 | (+23) | 838 | 211 | 246 | 85 | 0.63 | 2.65 | 9.85 | 2.48 | 2.89 |

| TEST CONDITIONS: @220V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|---------------------------------------|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 287 | 72 | 84 | 50 | 0.36 | 0.90 | 5.72 | 1.44 | 1.68 |
| -30 | (-22) | 399 | 101 | 117 | 60 | 0.45 | 1.25 | 6.69 | 1.69 | 1.96 |
| -25 | (-13) | 532 | 134 | 156 | 69 | 0.52 | 1.67 | 7.67 | 1.93 | 2.25 |
| -20 | (- 4) | 690 | 174 | 202 | 79 | 0.58 | 2.17 | 8.70 | 2.19 | 2.55 |
| -15 | (+ 5) | 878 | 221 | 257 | 90 | 0.65 | 2.76 | 9.81 | 2.47 | 2.87 |
| -10 | (+14) | 1101 | 277 | 323 | 100 | 0.74 | 3.47 | 11.02 | 2.78 | 3.23 |
| -5 | (+23) | 1364 | 344 | 400 | 110 | 0.87 | 4.31 | 12.38 | 3.12 | 3.63 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 257 | 65 | 75 | 51 | 0.37 | 0.81 | 5.02 | 1.26 | 1.47 |
| -30 | (-22) | 368 | 93 | 108 | 62 | 0.49 | 1.15 | 5.90 | 1.49 | 1.73 |
| -25 | (-13) | 499 | 126 | 146 | 73 | 0.58 | 1.57 | 6.79 | 1.71 | 1.99 |
| -20 | (- 4) | 654 | 165 | 192 | 85 | 0.66 | 2.06 | 7.71 | 1.94 | 2.26 |
| -15 | (+ 5) | 839 | 211 | 246 | 96 | 0.73 | 2.64 | 8.69 | 2.19 | 2.55 |
| -10 | (+14) | 1058 | 267 | 310 | 108 | 0.81 | 3.34 | 9.77 | 2.46 | 2.86 |
| -5 | (+23) | 1317 | 332 | 386 | 120 | 0.92 | 4.16 | 10.98 | 2.77 | 3.22 |

| TEST CONDITIONS: @220V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 241 | 61 | 71 | 52 | 0.38 | 0.76 | 4.65 | 1.17 | 1.36 |
| -30 | (-22) | 346 | 87 | 101 | 64 | 0.53 | 1.08 | 5.41 | 1.36 | 1.59 |
| -25 | (-13) | 469 | 118 | 137 | 76 | 0.65 | 1.47 | 6.16 | 1.55 | 1.80 |
| -20 | (- 4) | 616 | 155 | 181 | 89 | 0.74 | 1.94 | 6.92 | 1.74 | 2.03 |
| -15 | (+ 5) | 792 | 200 | 232 | 103 | 0.82 | 2.49 | 7.73 | 1.95 | 2.27 |
| -10 | (+14) | 1002 | 253 | 294 | 116 | 0.90 | 3.16 | 8.63 | 2.17 | 2.53 |
| -5 | (+23) | 1251 | 315 | 367 | 130 | 1.00 | 3.96 | 9.64 | 2.43 | 2.82 |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|---------------------------------------|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 358 | 90 | 105 | 64 | 0.44 | 1.12 | 5.60 | 1.41 | 1.64 |
| -30 | (-22) | 509 | 128 | 149 | 77 | 0.58 | 1.59 | 6.59 | 1.66 | 1.93 |
| -25 | (-13) | 695 | 175 | 204 | 93 | 0.72 | 2.18 | 7.48 | 1.88 | 2.19 |
| -20 | (- 4) | 917 | 231 | 269 | 111 | 0.86 | 2.88 | 8.30 | 2.09 | 2.43 |
| -15 | (+ 5) | 1173 | 296 | 344 | 129 | 1.00 | 3.69 | 9.11 | 2.30 | 2.67 |
| -10 | (+14) | 1463 | 369 | 429 | 148 | 1.16 | 4.61 | 9.96 | 2.51 | 2.92 |
| -5 | (+23) | 1787 | 450 | 524 | 164 | 1.33 | 5.65 | 10.88 | 2.74 | 3.19 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 315 | 79 | 92 | 65 | 0.41 | 0.99 | 4.91 | 1.24 | 1.44 |
| -30 | (-22) | 453 | 114 | 133 | 78 | 0.58 | 1.42 | 5.79 | 1.46 | 1.70 |
| -25 | (-13) | 632 | 159 | 185 | 95 | 0.74 | 1.98 | 6.59 | 1.66 | 1.93 |
| -20 | (- 4) | 851 | 214 | 249 | 115 | 0.91 | 2.67 | 7.36 | 1.85 | 2.16 |
| -15 | (+ 5) | 1109 | 280 | 325 | 136 | 1.07 | 3.49 | 8.14 | 2.05 | 2.39 |
| -10 | (+14) | 1408 | 355 | 412 | 157 | 1.24 | 4.44 | 8.99 | 2.26 | 2.63 |
| -5 | (+23) | 1745 | 440 | 511 | 176 | 1.43 | 5.52 | 9.93 | 2.50 | 2.91 |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|-------|---------------------------------|----------|-----|--|----------------------------|--------------------------|--------------------------------|-----------|-------|
| Evaporating temperature | | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 303 | 76 | 89 | 65 | 0.48 | 0.95 | 4.63 | 1.17 | 1.36 |
| -30 | (-22) | 414 | 104 | 121 | 79 | 0.66 | 1.30 | 5.30 | 1.34 | 1.55 |
| -25 | (-13) | 571 | 144 | 167 | 97 | 0.83 | 1.79 | 5.92 | 1.49 | 1.74 |
| -20 | (- 4) | 773 | 195 | 227 | 118 | 0.99 | 2.43 | 6.54 | 1.65 | 1.92 |
| -15 | (+ 5) | 1021 | 257 | 299 | 141 | 1.15 | 3.21 | 7.21 | 1.82 | 2.11 |
| -10 | (+14) | 1313 | 331 | 385 | 164 | 1.31 | 4.14 | 7.96 | 2.01 | 2.33 |
| -5 | (+23) | 1649 | 416 | 483 | 187 | 1.49 | 5.22 | 8.84 | 2.23 | 2.59 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|------------------------------|------|--------------------------|
| 1 Base plate | European Standard FMX | | |
| 2 Tray holder | No | | |
| 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 + 11° to Back | | |
| 3.2 DISCHARGE | 4.9 +0.10/-0.05 | [mm] | (0.193" +0.004"/-0.002") |
| 3.2.1 Material | Copper | | |
| 3.2.2 Shape | Slanted 0° 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 45° up + 57° to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |