

COMPRESSOR DEFINITION

| | |
|---------------------------|-------------------------|
| Designation | FMX Y9C |
| Nominal Voltage/Frequency | 230 V 43 -134 Hz |
| Engineering Number | 513908150 |

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 (gauge) | 6.9 | [kgf/cm ²] (98 psig) | / °C - °F |
| 9.2 Peak (gauge) | 7.8 | [kgf/cm ²] (111 psig) | / °C - °F |
| 10 Maximum winding temperature | 130 | [°C] | |

B - MECHANICAL DATA

| | | |
|-------------------------------|----------------|----------------------------------|
| 1 Commercial designation | 1/7 | [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) | 4.8 | [kg] (10.58 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 | CF02E01 M 0.0 X | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | INVERTER FMX CF02E01 | |
| 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) | - | [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 | CCC - VDE | |

D - PERFORMANCE - CHECK POINT DATA

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE-IND | | | | (Condensing temperature 35°C (+95°F)) | | | | |
|-------------------------|-------|------------------|----------|-----|-------------------|---------------------------------------|---------------|-----------------|-----------|-------|
| @220V1300RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 130 | 33 | 38 | 22 | 0.22 | 0.41 | 5.89 | 1.48 | 1.72 |
| -30 | (-22) | 174 | 44 | 51 | 27 | 0.25 | 0.54 | 6.35 | 1.60 | 1.86 |
| -25 | (-13) | 228 | 58 | 67 | 32 | 0.28 | 0.72 | 7.21 | 1.82 | 2.11 |
| -20 | (- 4) | 295 | 74 | 86 | 35 | 0.31 | 0.93 | 8.38 | 2.11 | 2.46 |
| -15 | (+ 5) | 375 | 94 | 110 | 38 | 0.33 | 1.18 | 9.80 | 2.47 | 2.87 |
| -10 | (+14) | 470 | 119 | 138 | 41 | 0.36 | 1.48 | 11.40 | 2.87 | 3.34 |
| -5 | (+23) | 583 | 147 | 171 | 44 | 0.38 | 1.84 | 13.10 | 3.30 | 3.84 |
| 0 | (+32) | 713 | 180 | 209 | 48 | 0.39 | 2.26 | 14.84 | 3.74 | 4.35 |

| TEST CONDITIONS: | | ASHRAE-IND | | | | (Condensing temperature 45°C (+113°F)) | | | | |
|-------------------------|-------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|
| @220V1300RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 114 | 29 | 33 | 23 | 0.22 | 0.36 | 5.11 | 1.29 | 1.50 |
| -30 | (-22) | 158 | 40 | 46 | 29 | 0.25 | 0.49 | 5.50 | 1.39 | 1.61 |
| -25 | (-13) | 211 | 53 | 62 | 34 | 0.29 | 0.66 | 6.17 | 1.56 | 1.81 |
| -20 | (- 4) | 276 | 69 | 81 | 39 | 0.33 | 0.87 | 7.06 | 1.78 | 2.07 |
| -15 | (+ 5) | 353 | 89 | 104 | 44 | 0.36 | 1.11 | 8.08 | 2.04 | 2.37 |
| -10 | (+14) | 446 | 112 | 131 | 49 | 0.40 | 1.41 | 9.16 | 2.31 | 2.69 |
| -5 | (+23) | 554 | 140 | 162 | 54 | 0.43 | 1.75 | 10.25 | 2.58 | 3.00 |
| 0 | (+32) | 681 | 172 | 199 | 60 | 0.47 | 2.16 | 11.25 | 2.84 | 3.30 |

| TEST CONDITIONS: | | ASHRAE-IND | | | | (Condensing temperature 55°C (+131°F)) | | | | |
|-------------------------|-------|------------------|----------|-----|-------------------|--|---------------|-----------------|-----------|-------|
| @220V1300RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 97 | 24 | 28 | 22 | 0.22 | 0.30 | 4.34 | 1.09 | 1.27 |
| -30 | (-22) | 140 | 35 | 41 | 29 | 0.26 | 0.44 | 4.71 | 1.19 | 1.38 |
| -25 | (-13) | 192 | 48 | 56 | 36 | 0.30 | 0.60 | 5.25 | 1.32 | 1.54 |
| -20 | (- 4) | 254 | 64 | 75 | 43 | 0.35 | 0.80 | 5.89 | 1.48 | 1.73 |
| -15 | (+ 5) | 330 | 83 | 97 | 51 | 0.40 | 1.04 | 6.56 | 1.65 | 1.92 |
| -10 | (+14) | 419 | 105 | 123 | 59 | 0.45 | 1.32 | 7.18 | 1.81 | 2.11 |
| -5 | (+23) | 523 | 132 | 153 | 68 | 0.51 | 1.65 | 7.70 | 1.94 | 2.26 |
| 0 | (+32) | 645 | 162 | 189 | 78 | 0.56 | 2.04 | 8.03 | 2.02 | 2.35 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE-IND | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|---------------------------------------|---------------------|---------------|-----------------|-----------|-------|
| @220V2000RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 194 | 49 | 57 | 34 | 0.31 | 0.61 | 5.62 | 1.42 | 1.65 |
| -30 | (-22) | 260 | 65 | 76 | 42 | 0.36 | 0.81 | 6.22 | 1.57 | 1.82 |
| -25 | (-13) | 343 | 87 | 101 | 48 | 0.40 | 1.08 | 7.19 | 1.81 | 2.11 |
| -20 | (- 4) | 447 | 113 | 131 | 53 | 0.44 | 1.40 | 8.39 | 2.11 | 2.46 |
| -15 | (+ 5) | 571 | 144 | 167 | 59 | 0.48 | 1.80 | 9.72 | 2.45 | 2.85 |
| -10 | (+14) | 717 | 181 | 210 | 65 | 0.53 | 2.26 | 11.05 | 2.79 | 3.24 |
| -5 | (+23) | 887 | 224 | 260 | 72 | 0.59 | 2.80 | 12.27 | 3.09 | 3.60 |
| 0 | (+32) | 1082 | 273 | 317 | 82 | 0.67 | 3.43 | 13.25 | 3.34 | 3.88 |

| TEST CONDITIONS: | | ASHRAE-IND | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|--|---------------------|---------------|-----------------|-----------|-------|
| @220V2000RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 175 | 44 | 51 | 35 | 0.31 | 0.55 | 5.00 | 1.26 | 1.47 |
| -30 | (-22) | 239 | 60 | 70 | 44 | 0.37 | 0.75 | 5.47 | 1.38 | 1.60 |
| -25 | (-13) | 321 | 81 | 94 | 51 | 0.42 | 1.01 | 6.27 | 1.58 | 1.84 |
| -20 | (- 4) | 421 | 106 | 123 | 58 | 0.47 | 1.32 | 7.29 | 1.84 | 2.14 |
| -15 | (+ 5) | 543 | 137 | 159 | 65 | 0.52 | 1.71 | 8.41 | 2.12 | 2.46 |
| -10 | (+14) | 686 | 173 | 201 | 72 | 0.58 | 2.16 | 9.51 | 2.40 | 2.79 |
| -5 | (+23) | 853 | 215 | 250 | 81 | 0.66 | 2.70 | 10.47 | 2.64 | 3.07 |
| 0 | (+32) | 1044 | 263 | 306 | 93 | 0.75 | 3.31 | 11.17 | 2.81 | 3.27 |

| TEST CONDITIONS: | | ASHRAE-IND | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|--|---------------------|---------------|-----------------|-----------|-------|
| @220V2000RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 161 | 41 | 47 | 36 | 0.32 | 0.51 | 4.50 | 1.13 | 1.32 |
| -30 | (-22) | 221 | 56 | 65 | 46 | 0.38 | 0.69 | 4.83 | 1.22 | 1.41 |
| -25 | (-13) | 299 | 75 | 88 | 55 | 0.44 | 0.94 | 5.46 | 1.38 | 1.60 |
| -20 | (- 4) | 396 | 100 | 116 | 63 | 0.50 | 1.24 | 6.30 | 1.59 | 1.84 |
| -15 | (+ 5) | 512 | 129 | 150 | 72 | 0.57 | 1.61 | 7.20 | 1.81 | 2.11 |
| -10 | (+14) | 651 | 164 | 191 | 81 | 0.64 | 2.05 | 8.06 | 2.03 | 2.36 |
| -5 | (+23) | 812 | 205 | 238 | 93 | 0.73 | 2.57 | 8.75 | 2.21 | 2.56 |
| 0 | (+32) | 998 | 252 | 293 | 106 | 0.84 | 3.17 | 9.16 | 2.31 | 2.68 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE-IND | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|---------------------------------------|---------------------|---------------|-----------------|-----------|-------|
| @220V3000RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 272 | 68 | 80 | 52 | 0.43 | 0.85 | 5.21 | 1.31 | 1.53 |
| -30 | (-22) | 385 | 97 | 113 | 64 | 0.49 | 1.21 | 6.03 | 1.52 | 1.77 |
| -25 | (-13) | 517 | 130 | 152 | 74 | 0.56 | 1.62 | 6.99 | 1.76 | 2.05 |
| -20 | (- 4) | 673 | 170 | 197 | 84 | 0.65 | 2.11 | 8.04 | 2.03 | 2.36 |
| -15 | (+ 5) | 856 | 216 | 251 | 94 | 0.74 | 2.69 | 9.13 | 2.30 | 2.68 |
| -10 | (+14) | 1070 | 270 | 314 | 105 | 0.82 | 3.38 | 10.21 | 2.57 | 2.99 |
| -5 | (+23) | 1319 | 332 | 387 | 117 | 0.88 | 4.17 | 11.24 | 2.83 | 3.29 |
| 0 | (+32) | 1607 | 405 | 471 | 132 | 0.91 | 5.09 | 12.17 | 3.07 | 3.57 |

| TEST CONDITIONS: | | ASHRAE-IND | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|--|---------------------|---------------|-----------------|-----------|-------|
| @220V3000RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 242 | 61 | 71 | 53 | 0.42 | 0.76 | 4.60 | 1.16 | 1.35 |
| -30 | (-22) | 352 | 89 | 103 | 65 | 0.49 | 1.10 | 5.35 | 1.35 | 1.57 |
| -25 | (-13) | 481 | 121 | 141 | 77 | 0.58 | 1.51 | 6.23 | 1.57 | 1.83 |
| -20 | (- 4) | 632 | 159 | 185 | 88 | 0.68 | 1.99 | 7.19 | 1.81 | 2.11 |
| -15 | (+ 5) | 810 | 204 | 237 | 99 | 0.79 | 2.55 | 8.19 | 2.06 | 2.40 |
| -10 | (+14) | 1017 | 256 | 298 | 111 | 0.88 | 3.21 | 9.16 | 2.31 | 2.68 |
| -5 | (+23) | 1258 | 317 | 368 | 125 | 0.96 | 3.98 | 10.07 | 2.54 | 2.95 |
| 0 | (+32) | 1536 | 387 | 450 | 141 | 1.02 | 4.87 | 10.87 | 2.74 | 3.18 |

| TEST CONDITIONS: | | ASHRAE-IND | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|--|---------------------|---------------|-----------------|-----------|-------|
| @220V3000RPM | | Static | | | | | | | | |
| 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] |
| -35 | (-31) | 222 | 56 | 65 | 52 | 0.42 | 0.69 | 4.23 | 1.07 | 1.24 |
| -30 | (-22) | 328 | 83 | 96 | 67 | 0.50 | 1.03 | 4.85 | 1.22 | 1.42 |
| -25 | (-13) | 452 | 114 | 132 | 81 | 0.61 | 1.42 | 5.58 | 1.41 | 1.64 |
| -20 | (- 4) | 596 | 150 | 175 | 93 | 0.72 | 1.87 | 6.39 | 1.61 | 1.87 |
| -15 | (+ 5) | 765 | 193 | 224 | 107 | 0.84 | 2.41 | 7.21 | 1.82 | 2.11 |
| -10 | (+14) | 963 | 243 | 282 | 121 | 0.96 | 3.04 | 8.01 | 2.02 | 2.35 |
| -5 | (+23) | 1194 | 301 | 350 | 137 | 1.06 | 3.78 | 8.73 | 2.20 | 2.56 |
| 0 | (+32) | 1461 | 368 | 428 | 155 | 1.13 | 4.63 | 9.33 | 2.35 | 2.73 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V4000RPM | | ASHRAE-IND 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) | 323 | 81 | 95 | 64 | 0.50 | 1.01 | 5.02 | 1.27 | 1.47 |
| -30 | (-22) | 472 | 119 | 138 | 82 | 0.64 | 1.48 | 5.78 | 1.46 | 1.69 |
| -25 | (-13) | 661 | 167 | 194 | 100 | 0.78 | 2.07 | 6.58 | 1.66 | 1.93 |
| -20 | (- 4) | 881 | 222 | 258 | 119 | 0.93 | 2.77 | 7.43 | 1.87 | 2.18 |
| -15 | (+ 5) | 1120 | 282 | 328 | 135 | 1.05 | 3.52 | 8.31 | 2.09 | 2.43 |
| -10 | (+14) | 1367 | 345 | 401 | 149 | 1.14 | 4.31 | 9.23 | 2.33 | 2.70 |
| -5 | (+23) | 1614 | 407 | 473 | 158 | 1.18 | 5.10 | 10.19 | 2.57 | 2.98 |
| 0 | (+32) | 1848 | 466 | 541 | 161 | 1.16 | 5.86 | 11.18 | 2.82 | 3.28 |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE-IND 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) | 300 | 75 | 88 | 66 | 0.51 | 0.94 | 4.53 | 1.14 | 1.33 |
| -30 | (-22) | 433 | 109 | 127 | 83 | 0.64 | 1.36 | 5.22 | 1.32 | 1.53 |
| -25 | (-13) | 610 | 154 | 179 | 102 | 0.79 | 1.91 | 5.96 | 1.50 | 1.75 |
| -20 | (- 4) | 822 | 207 | 241 | 121 | 0.94 | 2.58 | 6.74 | 1.70 | 1.98 |
| -15 | (+ 5) | 1057 | 266 | 310 | 139 | 1.08 | 3.33 | 7.57 | 1.91 | 2.22 |
| -10 | (+14) | 1305 | 329 | 382 | 155 | 1.20 | 4.11 | 8.45 | 2.13 | 2.48 |
| -5 | (+23) | 1555 | 392 | 456 | 166 | 1.28 | 4.92 | 9.37 | 2.36 | 2.75 |
| 0 | (+32) | 1798 | 453 | 527 | 172 | 1.31 | 5.70 | 10.34 | 2.61 | 3.03 |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE-IND 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) | 273 | 69 | 80 | 68 | 0.54 | 0.85 | 4.05 | 1.02 | 1.19 |
| -30 | (-22) | 388 | 98 | 114 | 85 | 0.66 | 1.22 | 4.66 | 1.17 | 1.36 |
| -25 | (-13) | 552 | 139 | 162 | 104 | 0.80 | 1.73 | 5.32 | 1.34 | 1.56 |
| -20 | (- 4) | 754 | 190 | 221 | 124 | 0.96 | 2.37 | 6.04 | 1.52 | 1.77 |
| -15 | (+ 5) | 983 | 248 | 288 | 143 | 1.12 | 3.09 | 6.82 | 1.72 | 2.00 |
| -10 | (+14) | 1229 | 310 | 360 | 161 | 1.26 | 3.88 | 7.65 | 1.93 | 2.24 |
| -5 | (+23) | 1482 | 374 | 434 | 174 | 1.37 | 4.69 | 8.53 | 2.15 | 2.50 |
| 0 | (+32) | 1731 | 436 | 507 | 182 | 1.44 | 5.49 | 9.46 | 2.39 | 2.77 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|--------------------------------|------|--------------------------|
| 1 Base plate | Universal FMX | | |
| 2 Tray holder | No | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 6.35 +0.08/-0.08 | [mm] | (0.250" +0.003"/-0.003") |
| 3.1.1 Material | Copper(OD) | | |
| 3.1.2 Shape | Slanted 40° up + 45° 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 34° to Back | | |
| 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 parallel BP+45°to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |