

COMPRESSOR DEFINITION

| | |
|---------------------------|-----------------|
| Designation | VEM Z9C |
| Nominal Voltage/Frequency | 230 V 53-150 Hz |
| Engineering Number | 513902029 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|------------------------------------|-----------------------------------|-----------------------------------|-------------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-600a | | |
| 3 Nominal voltage and frequency | 230 / 53-150 | [V / Hz] | |
| 4 Application type | Low Back Pressure | | |
| 4.1 Evaporating temperature range | -35°C to -10°C | (-31°F to 14°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 | 80 to 140 V | 80 to 140 V |
| 8.2 LBP (43°C Ambient temperature) | Static | 80 to 140 V | 80 to 140 V |
| 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 | 1/5 | [hp] |
| 2 Displacement | 9.34 | [cm ³] (0.570 cu.in) |
| 2.1 Bore [mm] | 26.000 | |
| 2.2 Stroke [mm] | 17.600 | |
| 3 Lubricant charge | 220 | [ml] (7.44 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ALQUILB / ISO5 | |
| 4 Weight (with oil charge) | 7.59 | [kg] (16.73 lb.) |
| 5 Nitrogen charge | - | [kgf/cm ²] |

C - ELETRICAL DATA

| | | |
|----------------------------------------------|-----------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 53-150 Hz 3 ~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | VCC31156XXXX | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | MSP59AMN-6 | |
| 6 Start winding resistance | 16.07 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 16.07 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (53/15 Hz) | - | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (53/15 Hz) | - | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (53/15 Hz) | - | [A] - Measured according to UL 984 |
| 11 Approval boards certification | | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | | |
|----------------------------------|----------|-----|--------------------------------|----------------------------------|----------------------------------------------------|---------------------------|----------------------------------------|-------|--|
| TEST CONDITIONS: @115V1600RPM | | | 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] | |
| 325 | 82 | 95 | 51 | 0.71 | 1.02 | 6.34 | 1.60 | 1.86 | |

| | | | | | | | | | |
|----------------------------------|----------|-----|--------------------------------|----------------------------------|----------------------------------------------------|---------------------------|----------------------------------------|-------|--|
| 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] | |
| 366 | 92 | 107 | 59 | 0.80 | 1.15 | 6.26 | 1.58 | 1.83 | |

| | | | | | | | | | |
|----------------------------------|----------|-----|--------------------------------|----------------------------------|----------------------------------------------------|---------------------------|----------------------------------------|-------|--|
| 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] | |
| 562 | 142 | 165 | 90 | 1.20 | 1.76 | 6.22 | 1.57 | 1.82 | |

| | | | | | | | | | |
|----------------------------------|----------|-----|--------------------------------|----------------------------------|----------------------------------------------------|---------------------------|----------------------------------------|-------|--|
| TEST CONDITIONS: @115V4500RPM | | | 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] | |
| 852 | 215 | 250 | 147 | 1.75 | 2.68 | 5.80 | 1.46 | 1.70 | |

E - PERFORMANCE - CURVES

| | | | | | | | | | | |
|----------------------------------|----------------------------|--------------------|---------|--------------------------------|----------------------------------|----------------------------------------|---------------------------|--------|----------|-----------|
| TEST CONDITIONS: @115V1600RPM | | 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) | 179 | 45 | 52 | 30 | 0.24 | 0.56 | 6.02 | 1.52 | 1.76 |
| -30 | (-22) | 239 | 60 | 70 | 35 | 0.28 | 0.75 | 6.74 | 1.70 | 1.97 |
| -25 | (-13) | 312 | 79 | 91 | 41 | 0.33 | 0.98 | 7.52 | 1.89 | 2.20 |
| -20 | (- 4) | 399 | 101 | 117 | 47 | 0.38 | 1.25 | 8.42 | 2.12 | 2.47 |
| -15 | (+ 5) | 502 | 127 | 147 | 53 | 0.42 | 1.58 | 9.49 | 2.39 | 2.78 |
| -10 | (+14) | 624 | 157 | 183 | 58 | 0.45 | 1.97 | 10.80 | 2.72 | 3.16 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|----------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V1600RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 166 | 42 | 49 | 31 | 0.26 | 0.52 | 5.30 | 1.34 | 1.55 | |
| -30 (-22) | 226 | 57 | 66 | 38 | 0.31 | 0.71 | 6.00 | 1.51 | 1.76 | |
| -25 (-13) | 299 | 75 | 88 | 45 | 0.36 | 0.94 | 6.68 | 1.68 | 1.96 | |
| -20 (- 4) | 386 | 97 | 113 | 52 | 0.41 | 1.21 | 7.40 | 1.87 | 2.17 | |
| -15 (+ 5) | 489 | 123 | 143 | 59 | 0.46 | 1.54 | 8.22 | 2.07 | 2.41 | |
| -10 (+14) | 610 | 154 | 179 | 66 | 0.51 | 1.92 | 9.19 | 2.32 | 2.69 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|----------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V1600RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 150 | 38 | 44 | 33 | 0.27 | 0.47 | 4.50 | 1.13 | 1.32 | |
| -30 (-22) | 210 | 53 | 62 | 40 | 0.32 | 0.66 | 5.30 | 1.34 | 1.55 | |
| -25 (-13) | 283 | 71 | 83 | 47 | 0.37 | 0.89 | 6.01 | 1.51 | 1.76 | |
| -20 (- 4) | 370 | 93 | 108 | 56 | 0.43 | 1.16 | 6.68 | 1.68 | 1.96 | |
| -15 (+ 5) | 473 | 119 | 139 | 64 | 0.50 | 1.49 | 7.36 | 1.86 | 2.16 | |
| -10 (+14) | 594 | 150 | 174 | 73 | 0.57 | 1.87 | 8.12 | 2.05 | 2.38 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|---------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V2000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 225 | 57 | 66 | 37 | 0.30 | 0.70 | 6.07 | 1.53 | 1.78 | |
| -30 (-22) | 300 | 76 | 88 | 44 | 0.35 | 0.94 | 6.76 | 1.70 | 1.98 | |
| -25 (-13) | 390 | 98 | 114 | 52 | 0.41 | 1.22 | 7.49 | 1.89 | 2.19 | |
| -20 (- 4) | 498 | 126 | 146 | 60 | 0.47 | 1.57 | 8.32 | 2.10 | 2.44 | |
| -15 (+ 5) | 627 | 158 | 184 | 67 | 0.52 | 1.97 | 9.32 | 2.35 | 2.73 | |
| -10 (+14) | 778 | 196 | 228 | 74 | 0.57 | 2.45 | 10.54 | 2.66 | 3.09 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|----------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V2000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 208 | 52 | 61 | 39 | 0.32 | 0.65 | 5.36 | 1.35 | 1.57 | |
| -30 (-22) | 283 | 71 | 83 | 47 | 0.38 | 0.89 | 6.03 | 1.52 | 1.77 | |
| -25 (-13) | 374 | 94 | 109 | 56 | 0.44 | 1.17 | 6.67 | 1.68 | 1.96 | |
| -20 (- 4) | 482 | 121 | 141 | 65 | 0.51 | 1.51 | 7.34 | 1.85 | 2.15 | |
| -15 (+ 5) | 610 | 154 | 179 | 75 | 0.58 | 1.92 | 8.11 | 2.04 | 2.38 | |
| -10 (+14) | 762 | 192 | 223 | 84 | 0.65 | 2.40 | 9.03 | 2.28 | 2.65 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|----------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V2000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 189 | 48 | 55 | 41 | 0.33 | 0.59 | 4.54 | 1.14 | 1.33 | |
| -30 (-22) | 264 | 67 | 77 | 49 | 0.39 | 0.83 | 5.34 | 1.34 | 1.56 | |
| -25 (-13) | 354 | 89 | 104 | 59 | 0.46 | 1.11 | 6.02 | 1.52 | 1.77 | |
| -20 (- 4) | 462 | 117 | 136 | 70 | 0.54 | 1.45 | 6.67 | 1.68 | 1.95 | |
| -15 (+ 5) | 591 | 149 | 173 | 81 | 0.62 | 1.86 | 7.34 | 1.85 | 2.15 | |
| -10 (+14) | 742 | 187 | 217 | 92 | 0.70 | 2.34 | 8.09 | 2.04 | 2.37 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|---------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V3000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 338 | 85 | 99 | 55 | 0.44 | 1.06 | 6.13 | 1.54 | 1.80 | |
| -30 (-22) | 450 | 113 | 132 | 67 | 0.52 | 1.41 | 6.73 | 1.70 | 1.97 | |
| -25 (-13) | 585 | 147 | 171 | 80 | 0.61 | 1.84 | 7.35 | 1.85 | 2.15 | |
| -20 (- 4) | 747 | 188 | 219 | 93 | 0.71 | 2.35 | 8.06 | 2.03 | 2.36 | |
| -15 (+ 5) | 939 | 237 | 275 | 105 | 0.80 | 2.95 | 8.91 | 2.25 | 2.61 | |
| -10 (+14) | 1165 | 294 | 341 | 117 | 0.88 | 3.67 | 9.97 | 2.51 | 2.92 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|----------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V3000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 314 | 79 | 92 | 58 | 0.46 | 0.98 | 5.46 | 1.38 | 1.60 | |
| -30 (-22) | 426 | 107 | 125 | 70 | 0.55 | 1.34 | 6.10 | 1.54 | 1.79 | |
| -25 (-13) | 562 | 142 | 165 | 84 | 0.65 | 1.76 | 6.68 | 1.68 | 1.96 | |
| -20 (- 4) | 723 | 182 | 212 | 99 | 0.76 | 2.27 | 7.27 | 1.83 | 2.13 | |
| -15 (+ 5) | 915 | 231 | 268 | 115 | 0.87 | 2.88 | 7.92 | 1.99 | 2.32 | |
| -10 (+14) | 1141 | 287 | 334 | 131 | 0.98 | 3.60 | 8.69 | 2.19 | 2.55 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|------------------|----------|-----|-------------------|----------------------------------------|---------------|-----------------|-----------|-------|--|
| @115V3000RPM | | Static | | | | | | | | |
| Evaporating temperature | Cooling capacity | | | Power consumption | Current consumption | Gas flow rate | EFFICIENCY RATE | | | |
| | +/- 5% | | | | | | +/- 7% | | | |
| °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 (-31) | 286 | 72 | 84 | 62 | 0.49 | 0.90 | 4.63 | 1.17 | 1.36 | |
| -30 (-22) | 398 | 100 | 117 | 73 | 0.57 | 1.25 | 5.44 | 1.37 | 1.59 | |
| -25 (-13) | 533 | 134 | 156 | 87 | 0.67 | 1.67 | 6.10 | 1.54 | 1.79 | |
| -20 (- 4) | 695 | 175 | 204 | 104 | 0.79 | 2.18 | 6.68 | 1.68 | 1.96 | |
| -15 (+ 5) | 887 | 224 | 260 | 123 | 0.92 | 2.79 | 7.24 | 1.83 | 2.12 | |
| -10 (+14) | 1113 | 280 | 326 | 142 | 1.06 | 3.51 | 7.85 | 1.98 | 2.30 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @115V4500RPM | | 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) | 483 | 122 | 142 | 85 | 0.65 | 1.51 | 5.65 | 1.42 | 1.66 | |
| -30 (-22) | 653 | 165 | 191 | 105 | 0.79 | 2.05 | 6.22 | 1.57 | 1.82 | |
| -25 (-13) | 857 | 216 | 251 | 126 | 0.95 | 2.69 | 6.80 | 1.71 | 1.99 | |
| -20 (- 4) | 1101 | 277 | 323 | 148 | 1.11 | 3.46 | 7.44 | 1.88 | 2.18 | |
| -15 (+ 5) | 1390 | 350 | 407 | 169 | 1.26 | 4.37 | 8.22 | 2.07 | 2.41 | |
| -10 (+14) | 1731 | 436 | 507 | 189 | 1.40 | 5.46 | 9.18 | 2.31 | 2.69 | |

| TEST CONDITIONS: @115V4500RPM | | 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) | 440 | 111 | 129 | 88 | 0.67 | 1.38 | 5.01 | 1.26 | 1.47 | |
| -30 (-22) | 609 | 154 | 179 | 108 | 0.82 | 1.91 | 5.63 | 1.42 | 1.65 | |
| -25 (-13) | 813 | 205 | 238 | 131 | 0.99 | 2.55 | 6.18 | 1.56 | 1.81 | |
| -20 (- 4) | 1057 | 266 | 310 | 157 | 1.18 | 3.32 | 6.72 | 1.69 | 1.97 | |
| -15 (+ 5) | 1346 | 339 | 394 | 184 | 1.37 | 4.24 | 7.31 | 1.84 | 2.14 | |
| -10 (+14) | 1687 | 425 | 494 | 210 | 1.56 | 5.32 | 8.01 | 2.02 | 2.35 | |

| TEST CONDITIONS: @115V4500RPM | | 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) | 388 | 98 | 114 | 92 | 0.70 | 1.22 | 4.20 | 1.06 | 1.23 | |
| -30 (-22) | 557 | 140 | 163 | 111 | 0.84 | 1.75 | 4.99 | 1.26 | 1.46 | |
| -25 (-13) | 761 | 192 | 223 | 135 | 1.01 | 2.39 | 5.63 | 1.42 | 1.65 | |
| -20 (- 4) | 1005 | 253 | 294 | 163 | 1.22 | 3.16 | 6.18 | 1.56 | 1.81 | |
| -15 (+ 5) | 1294 | 326 | 379 | 194 | 1.44 | 4.07 | 6.70 | 1.69 | 1.96 | |
| -10 (+14) | 1634 | 412 | 479 | 225 | 1.67 | 5.16 | 7.25 | 1.83 | 2.12 | |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|------------------------------|------|--------------------------|
| 1 Base plate | European Standard EUEM | | |
| 2 Tray holder | Yes | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 8.1 +0.10/+0.00 | [mm] | (0.319" +0.004"/+0.000") |
| 3.1.1 Material | Copper(OD) | | |
| 3.1.2 Shape | Slanted 42° up + 45° 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 42° up + 24° 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 40° up + 45° to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |