

COMPRESSOR DEFINITION

| | |
|---------------------------|-----------------|
| Designation | VEM Y9C |
| Nominal Voltage/Frequency | 230 V 53-150 Hz |
| Engineering Number | 513900025 |

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 | 187 to 255 V | 187 to 255 V |
| 8.2 LBP (43°C Ambient temperature) | Static | 187 to 255 V | 187 to 255 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 | MINERAL / ISO10 | |
| 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 | VCC32456XXXX | |
| 3 Start capacitor | - | [μF(VAC minimum)] |
| 4 Run capacitor | - | [μF(VAC minimum)] |
| 5 Motor protection | VCC32456XXXXX | |
| 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) | 2.10/2.10 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (53/15 Hz) | 2.10/2.10 | [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 | CCC - VDE | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|--|--|-----------|-------|
| TEST CONDITIONS: @220V1600RPM | | | 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] |
| 348 | 88 | 102 | 58 | 0.44 | 1.09 | 6.02 | 1.52 | 1.76 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|--|--|-----------|-------|
| 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] |
| 389 | 98 | 114 | 66 | 0.52 | 1.22 | 5.89 | 1.48 | 1.73 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|--|--|-----------|-------|
| 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] |
| 586 | 148 | 172 | 102 | 0.76 | 1.84 | 5.76 | 1.45 | 1.69 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|--|--|-----------|-------|
| TEST CONDITIONS: @220V4500RPM | | | 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] |
| 804 | 203 | 236 | 144 | 1.10 | 2.52 | 5.59 | 1.41 | 1.64 |

E - PERFORMANCE - CURVES

| | | | | | | | | | | |
|---|----------------------------|----------------------------------|---------|-----------------------------|-------------------------------|---|---------------------------|--------|----------|-----------|
| TEST CONDITIONS: @220V1600RPM | | 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) | 193 | 49 | 57 | 37 | 0.27 | 0.60 | 5.23 | 1.32 | 1.53 |
| -30 | (-22) | 268 | 67 | 78 | 42 | 0.33 | 0.84 | 6.35 | 1.60 | 1.86 |
| -25 | (-13) | 356 | 90 | 104 | 47 | 0.35 | 1.12 | 7.61 | 1.92 | 2.23 |
| -20 | (- 4) | 461 | 116 | 135 | 52 | 0.35 | 1.45 | 8.93 | 2.25 | 2.62 |
| -15 | (+ 5) | 582 | 147 | 171 | 57 | 0.38 | 1.83 | 10.26 | 2.58 | 3.01 |
| -10 | (+14) | 722 | 182 | 212 | 63 | 0.46 | 2.28 | 11.52 | 2.90 | 3.38 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|--|---------------------|---------------|-----------------|-----------|-------|
| @220V1600RPM | | 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) | 189 | 48 | 55 | 36 | 0.24 | 0.59 | 5.35 | 1.35 | 1.57 |
| -30 | (-22) | 257 | 65 | 75 | 43 | 0.37 | 0.81 | 6.00 | 1.51 | 1.76 |
| -25 | (-13) | 339 | 85 | 99 | 50 | 0.45 | 1.06 | 6.81 | 1.72 | 1.99 |
| -20 | (- 4) | 437 | 110 | 128 | 57 | 0.52 | 1.37 | 7.71 | 1.94 | 2.26 |
| -15 | (+ 5) | 551 | 139 | 161 | 64 | 0.61 | 1.73 | 8.65 | 2.18 | 2.53 |
| -10 | (+14) | 683 | 172 | 200 | 71 | 0.75 | 2.16 | 9.55 | 2.41 | 2.80 |

| TEST CONDITIONS: | | ASHRAE32 | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|-------------------------|-------|------------------|----------|-----|--|---------------------|---------------|-----------------|-----------|-------|
| @220V1600RPM | | 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) | 164 | 41 | 48 | 37 | 0.32 | 0.51 | 4.48 | 1.13 | 1.31 |
| -30 | (-22) | 229 | 58 | 67 | 46 | 0.41 | 0.72 | 4.93 | 1.24 | 1.44 |
| -25 | (-13) | 307 | 77 | 90 | 55 | 0.45 | 0.97 | 5.57 | 1.40 | 1.63 |
| -20 | (- 4) | 401 | 101 | 118 | 63 | 0.47 | 1.26 | 6.33 | 1.59 | 1.85 |
| -15 | (+ 5) | 511 | 129 | 150 | 72 | 0.50 | 1.61 | 7.15 | 1.80 | 2.09 |
| -10 | (+14) | 640 | 161 | 187 | 81 | 0.59 | 2.02 | 7.96 | 2.01 | 2.33 |

| TEST CONDITIONS: | | ASHRAE32 | | | (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) | 220 | 55 | 64 | 47 | 0.40 | 0.69 | 4.71 | 1.19 | 1.38 |
| -30 | (-22) | 310 | 78 | 91 | 50 | 0.44 | 0.97 | 6.17 | 1.56 | 1.81 |
| -25 | (-13) | 416 | 105 | 122 | 55 | 0.46 | 1.31 | 7.51 | 1.89 | 2.20 |
| -20 | (- 4) | 539 | 136 | 158 | 62 | 0.46 | 1.69 | 8.74 | 2.20 | 2.56 |
| -15 | (+ 5) | 678 | 171 | 199 | 68 | 0.47 | 2.13 | 9.92 | 2.50 | 2.91 |
| -10 | (+14) | 835 | 210 | 245 | 75 | 0.49 | 2.63 | 11.09 | 2.79 | 3.25 |

| TEST CONDITIONS: | | ASHRAE32 | | | (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) | 230 | 58 | 68 | 46 | 0.36 | 0.72 | 5.04 | 1.27 | 1.48 |
| -30 | (-22) | 307 | 77 | 90 | 51 | 0.44 | 0.96 | 6.01 | 1.51 | 1.76 |
| -25 | (-13) | 400 | 101 | 117 | 58 | 0.50 | 1.26 | 6.89 | 1.74 | 2.02 |
| -20 | (- 4) | 512 | 129 | 150 | 66 | 0.55 | 1.61 | 7.73 | 1.95 | 2.26 |
| -15 | (+ 5) | 642 | 162 | 188 | 75 | 0.60 | 2.02 | 8.56 | 2.16 | 2.51 |
| -10 | (+14) | 791 | 199 | 232 | 84 | 0.68 | 2.49 | 9.41 | 2.37 | 2.76 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: | | ASHRAE32 | | | (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) | 198 | 50 | 58 | 46 | 0.38 | 0.62 | 4.35 | 1.10 | 1.27 | |
| -30 (-22) | 269 | 68 | 79 | 53 | 0.45 | 0.84 | 5.09 | 1.28 | 1.49 | |
| -25 (-13) | 358 | 90 | 105 | 62 | 0.50 | 1.12 | 5.79 | 1.46 | 1.70 | |
| -20 (- 4) | 467 | 118 | 137 | 72 | 0.56 | 1.47 | 6.49 | 1.64 | 1.90 | |
| -15 (+ 5) | 596 | 150 | 175 | 82 | 0.62 | 1.88 | 7.23 | 1.82 | 2.12 | |
| -10 (+14) | 745 | 188 | 218 | 92 | 0.70 | 2.35 | 8.05 | 2.03 | 2.36 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (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) | 347 | 87 | 102 | 69 | 0.56 | 1.09 | 5.03 | 1.27 | 1.47 | |
| -30 (-22) | 477 | 120 | 140 | 79 | 0.64 | 1.50 | 6.06 | 1.53 | 1.78 | |
| -25 (-13) | 627 | 158 | 184 | 88 | 0.70 | 1.97 | 7.11 | 1.79 | 2.08 | |
| -20 (- 4) | 799 | 201 | 234 | 98 | 0.74 | 2.51 | 8.15 | 2.05 | 2.39 | |
| -15 (+ 5) | 998 | 252 | 293 | 109 | 0.78 | 3.14 | 9.13 | 2.30 | 2.67 | |
| -10 (+14) | 1227 | 309 | 360 | 123 | 0.83 | 3.87 | 10.01 | 2.52 | 2.93 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (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) | 337 | 85 | 99 | 68 | 0.53 | 1.05 | 4.96 | 1.25 | 1.45 | |
| -30 (-22) | 450 | 113 | 132 | 80 | 0.63 | 1.41 | 5.67 | 1.43 | 1.66 | |
| -25 (-13) | 585 | 147 | 171 | 91 | 0.73 | 1.84 | 6.45 | 1.63 | 1.89 | |
| -20 (- 4) | 746 | 188 | 218 | 103 | 0.81 | 2.34 | 7.27 | 1.83 | 2.13 | |
| -15 (+ 5) | 936 | 236 | 274 | 116 | 0.90 | 2.94 | 8.09 | 2.04 | 2.37 | |
| -10 (+14) | 1159 | 292 | 339 | 131 | 0.99 | 3.65 | 8.87 | 2.23 | 2.60 | |

| TEST CONDITIONS: | | ASHRAE32 | | | (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) | 306 | 77 | 90 | 69 | 0.55 | 0.96 | 4.41 | 1.11 | 1.29 | |
| -30 (-22) | 410 | 103 | 120 | 83 | 0.65 | 1.29 | 4.92 | 1.24 | 1.44 | |
| -25 (-13) | 539 | 136 | 158 | 97 | 0.75 | 1.69 | 5.56 | 1.40 | 1.63 | |
| -20 (- 4) | 696 | 175 | 204 | 111 | 0.84 | 2.19 | 6.28 | 1.58 | 1.84 | |
| -15 (+ 5) | 885 | 223 | 259 | 125 | 0.94 | 2.79 | 7.07 | 1.78 | 2.07 | |
| -10 (+14) | 1110 | 280 | 325 | 141 | 1.06 | 3.50 | 7.86 | 1.98 | 2.30 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V4500RPM | | 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) | 494 | 124 | 145 | 99 | 0.78 | 1.55 | 4.99 | 1.26 | 1.46 |
| -30 | (-22) | 624 | 157 | 183 | 111 | 0.88 | 1.95 | 5.66 | 1.43 | 1.66 |
| -25 | (-13) | 800 | 202 | 234 | 125 | 0.98 | 2.51 | 6.41 | 1.61 | 1.88 |
| -20 | (- 4) | 1011 | 255 | 296 | 140 | 1.08 | 3.18 | 7.22 | 1.82 | 2.12 |
| -15 | (+ 5) | 1245 | 314 | 365 | 153 | 1.17 | 3.92 | 8.11 | 2.04 | 2.38 |
| -10 | (+14) | 1491 | 376 | 437 | 165 | 1.24 | 4.70 | 9.06 | 2.28 | 2.65 |

| TEST CONDITIONS: @220V4500RPM | | 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) | 472 | 119 | 138 | 99 | 0.78 | 1.48 | 4.69 | 1.18 | 1.37 |
| -30 | (-22) | 601 | 151 | 176 | 114 | 0.89 | 1.88 | 5.26 | 1.33 | 1.54 |
| -25 | (-13) | 770 | 194 | 226 | 131 | 1.00 | 2.42 | 5.89 | 1.48 | 1.73 |
| -20 | (- 4) | 968 | 244 | 284 | 148 | 1.12 | 3.04 | 6.56 | 1.65 | 1.92 |
| -15 | (+ 5) | 1183 | 298 | 347 | 163 | 1.22 | 3.72 | 7.27 | 1.83 | 2.13 |
| -10 | (+14) | 1402 | 353 | 411 | 175 | 1.30 | 4.42 | 8.02 | 2.02 | 2.35 |

| TEST CONDITIONS: @220V4500RPM | | 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) | 416 | 105 | 122 | 102 | 0.78 | 1.30 | 4.15 | 1.04 | 1.22 |
| -30 | (-22) | 566 | 143 | 166 | 118 | 0.91 | 1.77 | 4.81 | 1.21 | 1.41 |
| -25 | (-13) | 750 | 189 | 220 | 136 | 1.03 | 2.35 | 5.50 | 1.39 | 1.61 |
| -20 | (- 4) | 956 | 241 | 280 | 153 | 1.15 | 3.00 | 6.21 | 1.56 | 1.82 |
| -15 | (+ 5) | 1172 | 295 | 343 | 169 | 1.26 | 3.69 | 6.92 | 1.74 | 2.03 |
| -10 | (+14) | 1387 | 350 | 406 | 182 | 1.36 | 4.38 | 7.65 | 1.93 | 2.24 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|------------------------------|------|--------------------------|
| 1 Base plate | European Standard EUEM | | |
| 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 12° out + 79° up | | |
| 3.2 DISCHARGE | 4.94 +0.08/-0.08 | [mm] | (0.194" +0.003"/-0.003") |
| 3.2.1 Material | Copper | | |
| 3.2.2 Shape | Slanted 90° 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 42° up + 45° to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |