

COMPRESSOR DEFINITION

| | |
|---------------------------|-----------------|
| Designation | VEG Z11C |
| Nominal Voltage/Frequency | 230 V 53-120 Hz |
| Engineering Number | 513802038 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|------------------------------------|-----------------------------------|-----------------------------------|--------------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-600a | | |
| 3 Nominal voltage and frequency | 230 / 53-120 | [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 | 1/4 | [hp] |
| 2 Displacement | 11.14 | [cm ³] (0.680 cu.in) |
| 2.1 Bore [mm] | 26.000 | |
| 2.2 Stroke [mm] | 21.000 | |
| 3 Lubricant charge | 430 | [ml] (14.54 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ALQUILB / ISO5 | |
| 4 Weight (with oil charge) | 10.99 | [kg] (24.23 lb.) |
| 5 Nitrogen charge | - | [kgf/cm ²] |

C - ELETRICAL DATA

| | | |
|--|-----------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 53-120 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 | 8.06 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 8.06 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (50/60 Hz) | - | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (50/60 Hz) | - | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (50/60 Hz) | - | [A] - Measured according to UL 984 |
| 11 Approval boards certification | CE - UKCA - VDE | |

D - PERFORMANCE - CHECK POINT DATA

| TEST CONDITIONS: @220V1600RPM | | | CECOMAFLBP Static | | Evaporating temperature (Condensing temperature) | | -25°C (-13°F) 55°C (131°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] | |
| 289 | 73 | 85 | 57 | 0.47 | 1.10 | 5.06 | 1.28 | 1.48 | |

| TEST CONDITIONS: @220V2000RPM | | | CECOMAFLBP Static | | Evaporating temperature (Condensing temperature) | | -25°C (-13°F) 55°C (131°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] | |
| 344 | 87 | 101 | 68 | 0.55 | 1.31 | 5.04 | 1.27 | 1.48 | |

| TEST CONDITIONS: @220V3600RPM | | | CECOMAFLBP Static | | Evaporating temperature (Condensing temperature) | | -25°C (-13°F) 55°C (131°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] | |
| 642 | 162 | 188 | 129 | 1.01 | 2.45 | 4.97 | 1.25 | 1.46 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V1600RPM | | CECOMAF 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) | 230 | 58 | 67 | 36 | 0.36 | 0.74 | 6.46 | 1.63 | 1.89 |
| -30 | (-22) | 285 | 72 | 84 | 42 | 0.40 | 0.92 | 6.97 | 1.76 | 2.04 |
| -25 | (-13) | 362 | 91 | 106 | 47 | 0.46 | 1.16 | 7.74 | 1.95 | 2.27 |
| -20 | (- 4) | 470 | 118 | 138 | 54 | 0.53 | 1.51 | 8.76 | 2.21 | 2.57 |
| -15 | (+ 5) | 616 | 155 | 181 | 61 | 0.60 | 1.98 | 10.01 | 2.52 | 2.93 |
| -10 | (+14) | 810 | 204 | 237 | 70 | 0.69 | 2.61 | 11.47 | 2.89 | 3.36 |

| TEST CONDITIONS: @220V1600RPM | | CECOMAF 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) | 209 | 53 | 61 | 39 | 0.38 | 0.72 | 5.31 | 1.34 | 1.55 |
| -30 | (-22) | 262 | 66 | 77 | 46 | 0.43 | 0.91 | 5.69 | 1.43 | 1.67 |
| -25 | (-13) | 329 | 83 | 96 | 53 | 0.49 | 1.15 | 6.29 | 1.59 | 1.84 |
| -20 | (- 4) | 418 | 105 | 122 | 59 | 0.56 | 1.46 | 7.10 | 1.79 | 2.08 |
| -15 | (+ 5) | 538 | 135 | 158 | 67 | 0.65 | 1.88 | 8.07 | 2.03 | 2.37 |
| -10 | (+14) | 696 | 175 | 204 | 75 | 0.75 | 2.43 | 9.21 | 2.32 | 2.70 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V1600RPM | | CECOMAF 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) | 178 | 45 | 52 | 41 | 0.39 | 0.67 | 4.36 | 1.10 | 1.28 | |
| -30 (-22) | 234 | 59 | 69 | 49 | 0.45 | 0.89 | 4.69 | 1.18 | 1.37 | |
| -25 (-13) | 296 | 75 | 87 | 57 | 0.53 | 1.13 | 5.18 | 1.31 | 1.52 | |
| -20 (- 4) | 371 | 94 | 109 | 64 | 0.62 | 1.42 | 5.82 | 1.47 | 1.70 | |
| -15 (+ 5) | 469 | 118 | 137 | 72 | 0.73 | 1.80 | 6.58 | 1.66 | 1.93 | |
| -10 (+14) | 596 | 150 | 175 | 80 | 0.85 | 2.29 | 7.44 | 1.88 | 2.18 | |

| TEST CONDITIONS: @220V1600RPM | | CECOMAF Static | | | (Condensing temperature 65°C (+149°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) | 137 | 35 | 40 | 40 | 0.40 | 0.59 | 3.50 | 0.88 | 1.03 | |
| -30 (-22) | 201 | 51 | 59 | 51 | 0.48 | 0.84 | 3.82 | 0.96 | 1.12 | |
| -25 (-13) | 262 | 66 | 77 | 60 | 0.58 | 1.10 | 4.25 | 1.07 | 1.25 | |
| -20 (- 4) | 329 | 83 | 96 | 69 | 0.71 | 1.39 | 4.78 | 1.20 | 1.40 | |
| -15 (+ 5) | 409 | 103 | 120 | 77 | 0.85 | 1.74 | 5.37 | 1.35 | 1.57 | |
| -10 (+14) | 511 | 129 | 150 | 86 | 1.01 | 2.18 | 6.03 | 1.52 | 1.77 | |

| TEST CONDITIONS: @220V2000RPM | | CECOMAF 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) | 281 | 71 | 82 | 44 | 0.45 | 0.90 | 6.38 | 1.61 | 1.87 | |
| -30 (-22) | 351 | 89 | 103 | 51 | 0.50 | 1.13 | 6.86 | 1.73 | 2.01 | |
| -25 (-13) | 451 | 114 | 132 | 59 | 0.56 | 1.45 | 7.65 | 1.93 | 2.24 | |
| -20 (- 4) | 581 | 146 | 170 | 67 | 0.64 | 1.87 | 8.71 | 2.20 | 2.55 | |
| -15 (+ 5) | 739 | 186 | 216 | 74 | 0.73 | 2.38 | 10.02 | 2.52 | 2.93 | |
| -10 (+14) | 925 | 233 | 271 | 81 | 0.84 | 2.98 | 11.52 | 2.90 | 3.38 | |

| TEST CONDITIONS: @220V2000RPM | | CECOMAF 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) | 240 | 61 | 70 | 47 | 0.46 | 0.83 | 5.18 | 1.30 | 1.52 | |
| -30 (-22) | 306 | 77 | 90 | 55 | 0.52 | 1.06 | 5.57 | 1.40 | 1.63 | |
| -25 (-13) | 398 | 100 | 117 | 64 | 0.59 | 1.39 | 6.22 | 1.57 | 1.82 | |
| -20 (- 4) | 517 | 130 | 152 | 72 | 0.68 | 1.80 | 7.09 | 1.79 | 2.08 | |
| -15 (+ 5) | 663 | 167 | 194 | 81 | 0.79 | 2.31 | 8.13 | 2.05 | 2.38 | |
| -10 (+14) | 834 | 210 | 244 | 90 | 0.90 | 2.92 | 9.32 | 2.35 | 2.73 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V2000RPM | | CECOMAF 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) | 211 | 53 | 62 | 49 | 0.47 | 0.80 | 4.36 | 1.10 | 1.28 | |
| -30 (-22) | 268 | 67 | 78 | 57 | 0.54 | 1.02 | 4.69 | 1.18 | 1.37 | |
| -25 (-13) | 350 | 88 | 102 | 67 | 0.62 | 1.33 | 5.21 | 1.31 | 1.53 | |
| -20 (- 4) | 456 | 115 | 134 | 77 | 0.73 | 1.74 | 5.88 | 1.48 | 1.72 | |
| -15 (+ 5) | 586 | 148 | 172 | 87 | 0.84 | 2.24 | 6.68 | 1.68 | 1.96 | |
| -10 (+14) | 739 | 186 | 217 | 98 | 0.97 | 2.84 | 7.57 | 1.91 | 2.22 | |

| TEST CONDITIONS: @220V2000RPM | | CECOMAF Static | | | (Condensing temperature 65°C (+149°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) | 185 | 47 | 54 | 49 | 0.49 | 0.78 | 3.73 | 0.94 | 1.09 | |
| -30 (-22) | 231 | 58 | 68 | 58 | 0.57 | 0.98 | 3.99 | 1.01 | 1.17 | |
| -25 (-13) | 300 | 75 | 88 | 69 | 0.67 | 1.27 | 4.39 | 1.11 | 1.29 | |
| -20 (- 4) | 390 | 98 | 114 | 80 | 0.78 | 1.65 | 4.89 | 1.23 | 1.43 | |
| -15 (+ 5) | 501 | 126 | 147 | 93 | 0.91 | 2.13 | 5.46 | 1.37 | 1.60 | |
| -10 (+14) | 634 | 160 | 186 | 105 | 1.04 | 2.70 | 6.05 | 1.52 | 1.77 | |

| TEST CONDITIONS: @220V3600RPM | | CECOMAF 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) | 485 | 122 | 142 | 88 | 0.87 | 1.56 | 5.45 | 1.37 | 1.60 | |
| -30 (-22) | 603 | 152 | 177 | 101 | 0.94 | 1.93 | 6.05 | 1.52 | 1.77 | |
| -25 (-13) | 776 | 196 | 227 | 113 | 1.05 | 2.49 | 6.89 | 1.74 | 2.02 | |
| -20 (- 4) | 1000 | 252 | 293 | 126 | 1.17 | 3.21 | 7.95 | 2.00 | 2.33 | |
| -15 (+ 5) | 1270 | 320 | 372 | 138 | 1.29 | 4.09 | 9.20 | 2.32 | 2.69 | |
| -10 (+14) | 1585 | 399 | 464 | 150 | 1.39 | 5.11 | 10.60 | 2.67 | 3.10 | |

| TEST CONDITIONS: @220V3600RPM | | CECOMAF 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) | 431 | 109 | 126 | 93 | 0.86 | 1.49 | 4.68 | 1.18 | 1.37 | |
| -30 (-22) | 548 | 138 | 160 | 106 | 0.95 | 1.90 | 5.17 | 1.30 | 1.51 | |
| -25 (-13) | 710 | 179 | 208 | 121 | 1.08 | 2.47 | 5.85 | 1.47 | 1.71 | |
| -20 (- 4) | 916 | 231 | 268 | 136 | 1.23 | 3.20 | 6.69 | 1.68 | 1.96 | |
| -15 (+ 5) | 1161 | 293 | 340 | 151 | 1.37 | 4.06 | 7.65 | 1.93 | 2.24 | |
| -10 (+14) | 1443 | 364 | 423 | 166 | 1.49 | 5.05 | 8.71 | 2.19 | 2.55 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V3600RPM | | CECOMAF 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) | 379 | 95 | 111 | 96 | 0.88 | 1.44 | 3.99 | 1.01 | 1.17 |
| -30 | (-22) | 489 | 123 | 143 | 111 | 0.99 | 1.87 | 4.40 | 1.11 | 1.29 |
| -25 | (-13) | 639 | 161 | 187 | 128 | 1.13 | 2.44 | 4.95 | 1.25 | 1.45 |
| -20 | (- 4) | 823 | 207 | 241 | 146 | 1.28 | 3.15 | 5.59 | 1.41 | 1.64 |
| -15 | (+ 5) | 1039 | 262 | 305 | 164 | 1.43 | 3.98 | 6.30 | 1.59 | 1.85 |
| -10 | (+14) | 1284 | 324 | 376 | 183 | 1.55 | 4.93 | 7.04 | 1.77 | 2.06 |

| TEST CONDITIONS: @220V3600RPM | | CECOMAF Static | | | (Condensing temperature 65°C (+149°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) | 330 | 83 | 97 | 97 | 0.95 | 1.39 | 3.37 | 0.85 | 0.99 |
| -30 | (-22) | 431 | 109 | 126 | 116 | 1.05 | 1.82 | 3.73 | 0.94 | 1.09 |
| -25 | (-13) | 563 | 142 | 165 | 135 | 1.19 | 2.38 | 4.17 | 1.05 | 1.22 |
| -20 | (- 4) | 723 | 182 | 212 | 157 | 1.33 | 3.06 | 4.64 | 1.17 | 1.36 |
| -15 | (+ 5) | 906 | 228 | 266 | 178 | 1.47 | 3.85 | 5.12 | 1.29 | 1.50 |
| -10 | (+14) | 1111 | 280 | 325 | 200 | 1.58 | 4.73 | 5.57 | 1.40 | 1.63 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|-------------------------------|------|--------------------------|
| 1 Base plate | Universal EG/F/AMEM version 2 | | |
| 2 Tray holder | No | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 6.5 +0.12/-0.08 | [mm] | (0.256" +0.005"/-0.003") |
| 3.1.1 Material | Copper | | |
| 3.1.2 Shape | Straight | | |
| 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 | Straight | | |
| 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 | Straight | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |