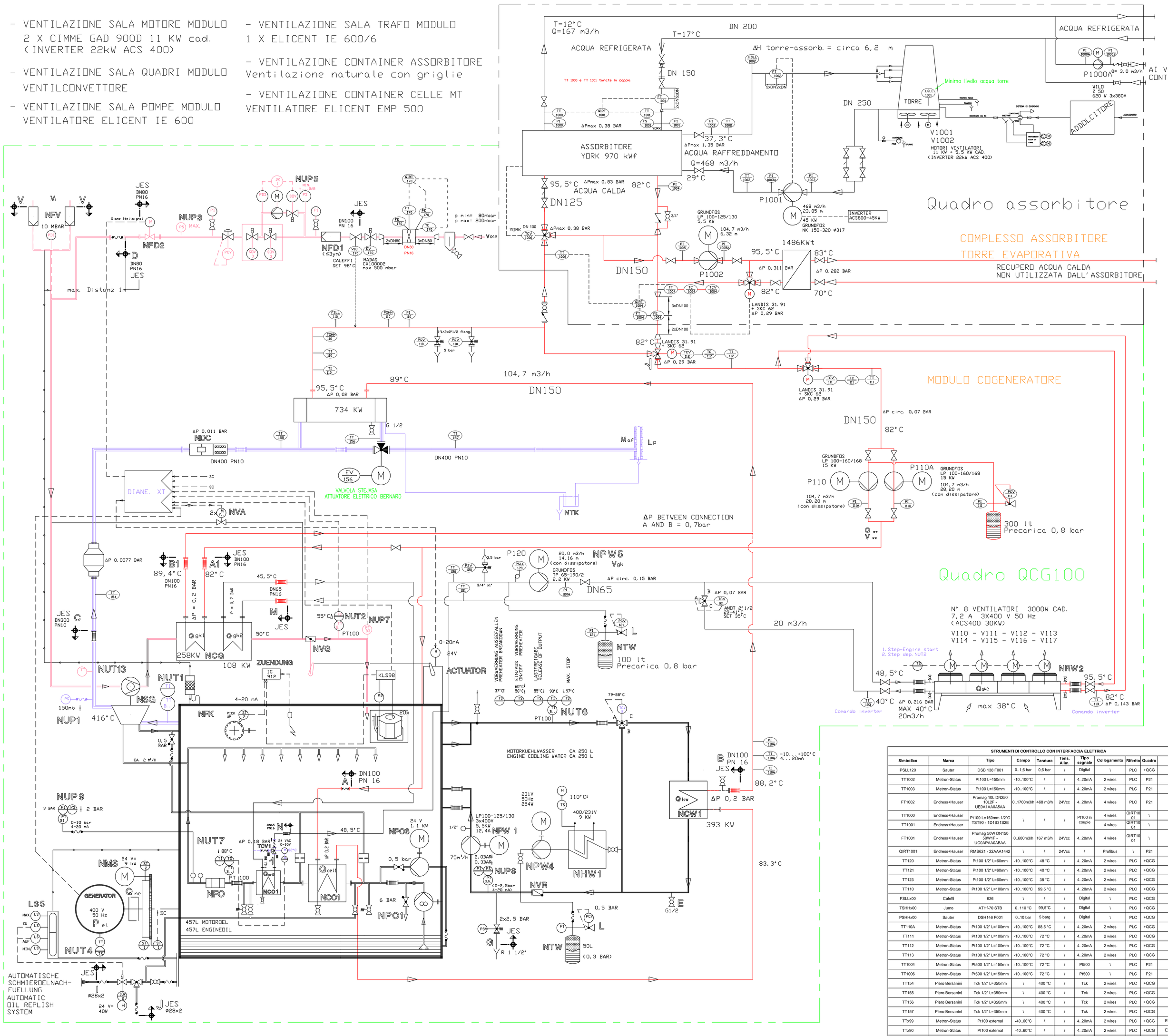
- VENTILAZIONE SALA MOTORE MODULO
  2 X CIMME GAD 900D 11 KW cad.
  (INVERTER 22kW ACS 400)
- VENTILAZIONE SALA QUADRI MODULO
  VENTILCONVETTORE
- VENTILAZIONE SALA POMPE MODULO
  VENTILATORE ELICENT IE 600

- VENTILAZIONE SALA TRAFO MODULO
  1 X ELICENT IE 600/6
- VENTILAZIONE CONTAINER ASSORBITORE
  Ventilazione naturale con griglie
- VENTILAZIONE CONTAINER CELLE MT
  VENTILATORE ELICENT EMP 500




| ABGASSYSTEM / EXHAUST GAS SYSTEM: | | | |
|---|---|---|---|
| VERSION | A 02 | | |
| $\dot{M}_{af}$ | 8011 | kg/h | |
| $L_p$ | .. | dB(A) in 10m | |
| $NO_x$ | 250 | mg/m3 | |
| CO | 300 | mg/m3 | |
| NMHC | - | mg/m3 | |

| TREIBGASSYSTEM / FUEL GAS SYSTEM: | | | |
|---|---|---|---|
| $\dot{M}_Z$ | 75 | | |
| $H_u$ | 9,5 | kWh/Nm³ | |
| $\dot{V}_{gas}$ | 352 | Nm³/h | |

| WASSERKREISE / WATER CIRCUITS: | | | |
|---|---|---|---|
| $T_{vw\ return}$ | 82 | °C | |
| $\dot{V}_{vw}$ | 104,7 | m3/h | |
| $\dot{V}_{gk2}$ | 20 | m3/h | |

| ANSAUGLUFT / INTAKE AIR: | | | |
|---|---|---|---|
| $\dot{V}_L$ | 6006 | Nm3/h | |

| ENERGIEBILANZEN / ENERGYBALANCE: | | | | |
|---|---|---|---|---|
| $Q_{gk(120°C)}$ | 734 | kW | +/- 8% | |
| $Q_{gk1}$ | 258 | kW | +/- 8% | |
| $Q_{gk2}$ | 127 | kW | +/- 8% | |
| $Q_{kw}$ | 393 | kW | +/- 8% | |
| $Q_{oel1}$ | 100 | kW | +/- 8% | |
| $Q_{oel2}$ | 70 | kW | +/- 8% | |
| $Q_{re}$ | 34 | kW | +/- 8% | |
| $Q_{st}$ | 69 | kW | +/- 8% | |
| $Q_{vw}$ | 1486 | kW | +/- 8% | |
| $Q_{zu}$ | 3446 | kW | +/- 5% | |
| $Q_{zu}/P_{el}$ | - | kWh/kWh | +/- 5% | |

| LEISTUNG UND WIRKUNGSGRAD POWER AND EFFICIENCY | | | |
|---|---|---|---|
| $P_{el}$ | 1416 | kW | +/- 0% |
| $P_m$ | 1451 | kW | |
| $\eta_{el}$ | 41,1 | % | |
| $\eta_{gas}$ | 84,2 | % | |
| $\eta_{therm}$ | 43,1 | % | |

| STRUMENTI DI CONTROLLO CON INTERFACCIA ELETTRICA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Simbolico | Marca | Tipo | Campo | Taratura | Tens. Alim. | Tipo segnale | Collegamento | Riferito | Quadro | Notes / Note |
| PSLL120 | Sauter | DSB 138 F001 | 0..1,6 bar | 0,6 bar | \ | Digital | \ | PLC | +QCG | Intercooler water / Acqua intercooler |
| TT1002 | Metron-Status | Pt100 L=150mm | -10..100°C | \ | \ | 4..20mA | 2 wires | PLC | P21 | Tower water / Acqua vasca torre evaporativa |
| TT1003 | Metron-Status | Pt100 L=150mm | -10..100°C | \ | \ | 4..20mA | 2 wires | PLC | P21 | Tower water / Acqua vasca torre evaporativa |
| FT1002 | Endress+Hauser | Promag 10L DN250 10L2F - UE0A1AAAGAAA | 0..1700m3/h | 468 m3/h | 24Vcc | 4..20mA | 4 wires | PLC | P21 | Tower water / Acqua vasca torre evaporativa |
| TT1000 | Endress+Hauser | Pt100 L=160mm 1/2"G TST90 - 1D1S31S2E | \ | \ | \ | Pt100 in couple | 4 wires | QIRT1001 | \ | Cooled water / Acqua refrigerata |
| TT1001 | Endress+Hauser | | \ | \ | \ | | 4 wires | QIRT1001 | \ | Cooled water / Acqua refrigerata |
| FT1001 | Endress+Hauser | Promag 50W DN150 50W1F - UC0APAAAGABAA | 0..600m3/h | 167 m3/h | 24Vcc | 4..20mA | 4 wires | QIRT1001 | \ | Cooled water / Acqua refrigerata |
| QIRT1001 | Endress+Hauser | RMS621 - 2AAAA1442 | \ | \ | 24Vcc | \ | Profibus | \ | P21 | Cooled water / Acqua refrigerata |
| TT120 | Metron-Status | Pt100 1/2" L=60mm | -10..100°C | 48 °C | \ | 4..20mA | 2 wires | PLC | +QCG | Intercooler water / Acqua intercooler |
| TT121 | Metron-Status | Pt100 1/2" L=60mm | -10..100°C | 40 °C | \ | 4..20mA | 2 wires | PLC | +QCG | Intercooler water / Acqua intercooler |
| TT123 | Metron-Status | Pt100 1/2" L=60mm | -10..100°C | 38 °C | \ | 4..20mA | 2 wires | PLC | +QCG | Intercooler water / Acqua intercooler |
| TT110 | Metron-Status | Pt100 1/2" L=100mm | -10..100°C | 99,5 °C | \ | 4..20mA | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| FSLLx00 | Caleffi | 626 | \ | \ | \ | Digital | \ | PLC | +QCG | User water (Bat.supply) / Acqua utenze (Fornitura Bat) |
| TSHHx00 | Jumo | ATH-70 STB | 0..110 °C | 99,5°C | \ | Digital | \ | PLC | +QCG | User water (Bat.supply) / Acqua utenze (Fornitura Bat) |
| PSHHx00 | Sauter | DSH146 F001 | 0..10 bar | 5 barg | \ | Digital | \ | PLC | +QCG | User water (Bat.supply) / Acqua utenze (Fornitura Bat) |
| TT110A | Metron-Status | Pt100 1/2" L=100mm | -10..100°C | 88,5 °C | \ | 4..20mA | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TT111 | Metron-Status | Pt100 1/2" L=100mm | -10..100°C | 72 °C | \ | 4..20mA | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TT112 | Metron-Status | Pt100 1/2" L=100mm | -10..100°C | 72 °C | \ | 4..20mA | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TT113 | Metron-Status | Pt100 1/2" L=100mm | -10..100°C | 72 °C | \ | 4..20mA | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TT1004 | Metron-Status | Pt500 1/2" L=150mm | -10..100°C | 72 °C | \ | Pt500 | \ | PLC | P21 | User water / Acqua Utenze |
| TT1006 | Metron-Status | Pt500 1/2" L=150mm | -10..100°C | 72 °C | \ | Pt500 | \ | PLC | P21 | User water / Acqua Utenze |
| TT154 | Piero Bersanini | Tck 1/2" L=350mm | \ | 400 °C | \ | Tck | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TT155 | Piero Bersanini | Tck 1/2" L=350mm | \ | 400 °C | \ | Tck | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TT156 | Piero Bersanini | Tck 1/2" L=350mm | \ | 400 °C | \ | Tck | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TT157 | Piero Bersanini | Tck 1/2" L=350mm | \ | 400 °C | \ | Tck | 2 wires | PLC | +QCG | User water / Acqua Utenze |
| TTx99 | Metron-Status | Pt100 external | -40..60°C | \ | \ | 4..20mA | 2 wires | PLC | +QCG | External temperature / Temp. esterna |
| TTx90 | Metron-Status | Pt100 external | -40..60°C | \ | \ | 4..20mA | 2 wires | PLC | +QCG | External temperature / Temp. esterna |
| FT170 | Elster | TRZ DN80 G250 | / | / | / | / | / | QRTx70 | / | Gas metering / Contabilizzazione Gas |
| PE170 | Elster | CT30 | 0,6..10 bar abs | 0.8 barg | / | / | / | QRTx70 | / | Gas metering / Contabilizzazione Gas |
| TE170 | Elster | Pt500 | -20..50 °C | 25 °C | / | / | / | QRTx70 | / | Gas metering / Contabilizzazione Gas |
| QIRT170 | Elster | ExplorerPlus + Galvanic Isolation | / | / | Battery | Pulse | / | PLC | +QCG | Gas metering / Contabilizzazione Gas |
| TT1004 | JUMO | Pt500 G1/2" L=120 | / | 99,5 °C | / | Pt100 | 2 wires | QRTx70 | +QCG | Hot water metering / Contabilizzazione Acqua Utenze |
| TT1006 | JUMO | Pt500 G1/2" L=120 | / | 80 °C | / | Pt100 | 2 wires | QRTx70 | +QCG | Hot water metering / Contabilizzazione Acqua Utenze |
| FT1004 | ISOIL | MS2500/TT100/A1A2A +ML110/B0A2A1A0 | QN=3,2 Qp=160 Qs=200 | 104,7 m3/h | / | 10 H / Pulse | / | QRTx70 | +QCG | Hot water metering / Contabilizzazione Acqua Utenze |
| QIRT1004 | ISOIL | ISONRG ML311 MB2A2A3C0-41141 | / | 1127 kW | 24Vcc | Profibus | Profibus | PLC | +QCG | Hot water metering / Contabilizzazione Acqua Utenze |

| Rev. | Data | Oggetto rev. | Diseg.to | Contr.to | Approv.to |
|---|---|---|---|---|---|
| 10 | 10/06/2016 | 16CC0220 – Trasma 1 – Ricondizionamento | SV | | |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Cliente: **TRASMA**

Oggetto: P&I TRASMA

Disegno: SCM20300470 1

Commessa: 2030047

Scala:

File:

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