

Technical Data

Technical Data – Air Cooled Condenser

| Design Data | unit | Load point |
|---|-------|------------|
| Air Cooled Condenser | | |
| Heat rejected | MW | 61.72 |
| Exhaust steam rate | kg/s | 29.167 |
| Steam content | kg/kg | 0,8767 |
| Exhaust steam enthalpy | kJ/kg | 2280 |
| Exhaust steam pressure, turbine back pressure | bar a | 0,08 |
| Ambient temperature | °C | 20 |
| Barometric pressure | mbar | 980.97 |
| Power consumption, fan motor terminals | kW | 749.58 |

Construction-Arrangement

Air Cooled Condenser

AIR COOLED CONDENSER

| | |
|-------------------|---|
| Roof rows | 2 |
| Fans per roof row | 3 |

HEAT EXCHANGER BUNDLES

| | |
|---------------------|-----------------|
| Type | GEA ALEX |
| Material tube / fin | Steel/Aluminium |
| Bonding tube / fin | brazing |
| Design pressure | bar g -1/0.49 |
| Design temperature | °C 120 |

EXHAUST STEAM DUCT

| | |
|--------------------|---------------|
| Design pressure | bar g -1/0.49 |
| Design temperature | °C 120 |

MECHANICAL PROTECTION

| | | |
|-----------------------------|--------------|---------------|
| Safety valve | pcs | 1 |
| Opening pressure / capacity | bara tons/hr | / 1.35 / 10% |
| Rupture disk | pcs | 1 |
| Opening pressure / capacity | bara tons/hr | / 1.45 / 100% |