Specification of Sulzer 16ZA40S diesel generator

**Engine**

- **Manufacturer**: Sulzer Diesel France
- **Engine type**: 16ZAV40S
- **Cylinder bore/stroke**: 400mm/560mm
- **Speed**: 500 rpm
- **BMP**: 24.56 bar at MCR
- **Number of strokes**: four
- **Number of cylinders**: 16
- **Nominal power of diesel engine**: 11520 kW (720 kW/cyl) at MCR
- **Rotation**: clockwise

**Engine equipment**

- Two turbochargers - BBC VTR 454-21
- Air cooler - GEA, single stage, mounted on engine
- Flywheel - with barring rim and necessary fitted bolts, without guard
- Vibration damper
- Turning gear - with starting interlock valve, electric motor and control gear
- Indicator cock - on each cylinder
- Starting valve - for each cylinder
- Safety valve - in each cylinder head
- Starting air piping - including safety valve, spark arrester and non-return valve
- Exhaust gas piping - protected with insulating panels
- Insulated fuel supply and return pipes - with connections for steam heating
- High pressure fuel injection pipes - with double-wall pipes
- Piping on engine - with necessary mating flanges, joints and bolts
- Coupling bolts - between engine and generator
- Foundation rails - with foundation bolts
- Speed governor - ABB, DEGO 2 + ASAC 70
- Oil mist detector - Shaller

**Generator**

- **Manufacturer**: GEC Alsthom
- **Type**: RP 256-100
- **Apparent Power**: 14000 kVA
- **Rated voltage**: 10500 V
- **Power Factor**: 0.8
- **Speed**: 500 rpm
- **Frequency**: 50 Hz
- **Protection**: IP 23