

Part III : Technical Specification POS A)

Engine Data

Water-cooled, 4-stroke, lean-burn gas engine with turbo charger and intercooler (air to water):

Engine		: SANDFIRDEN
Type		: SGI-13
Power output *)	kW	: 266
Curve		: COP
Speed	rpm	: 1500
Cycle		: D2
Number of cylinders		: 6 in line
Displacement	dm3	: 12,7
Bore x stroke	mm	: 130 x 160
Compression ratio		: 12,6 : 1

*) Outputs have been determined under certain given test conditions according to the international performance standard ISO 3046.

Fuel system

VariFuel2 air/fuel ratio mixer.
 GAC throttle actuator / speed control system.
 Electronic MOTORTECH ignition system, pulse pick-up on the camshaft.
 Ignition coils.
 Sparkplugs for industrial use.

Lub oil system

Centrifugal lub oil cleaner.
 Full flow lub oil filter.
 Gear driven lub oil pump.
 Lub oil cooler.
 Piston cooling by oil nozzles.
 Lub oil drain pump.

Air inlet system

Engine mounted air cleaner.

Exhaust system

Dry exhaust manifold.
 Turbo charger.
 90° exhaust bend including flanges and gaskets.
 Exhaust compensator with flange and jam-locks.

Cooling system

Cooling water connections for HT- and LT-system.
 Delivery excluding coolers, pumps and thermostat.

Electrical system

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Electric starter, 24 V, single poled.
Alternator 24 V, single poled.

Several

Knock detection system.
Flywheel housing SAE 1.
Flywheel, 14".
Internal crankcase ventilation.
Operators manual and parts catalogue in PDF.
Engine painted in Sandfirden Blue RAL 5010.

Warranty

8000 Running hours or twelve (12) months after start-up, but not beyond eighteen (18) months after delivery from Suppliers plant, whichever occurs first. For more information we refer to our Terms and Conditions 20070418Ec. Number of running hours differs from our standard conditions. 8000 running hours is valid.