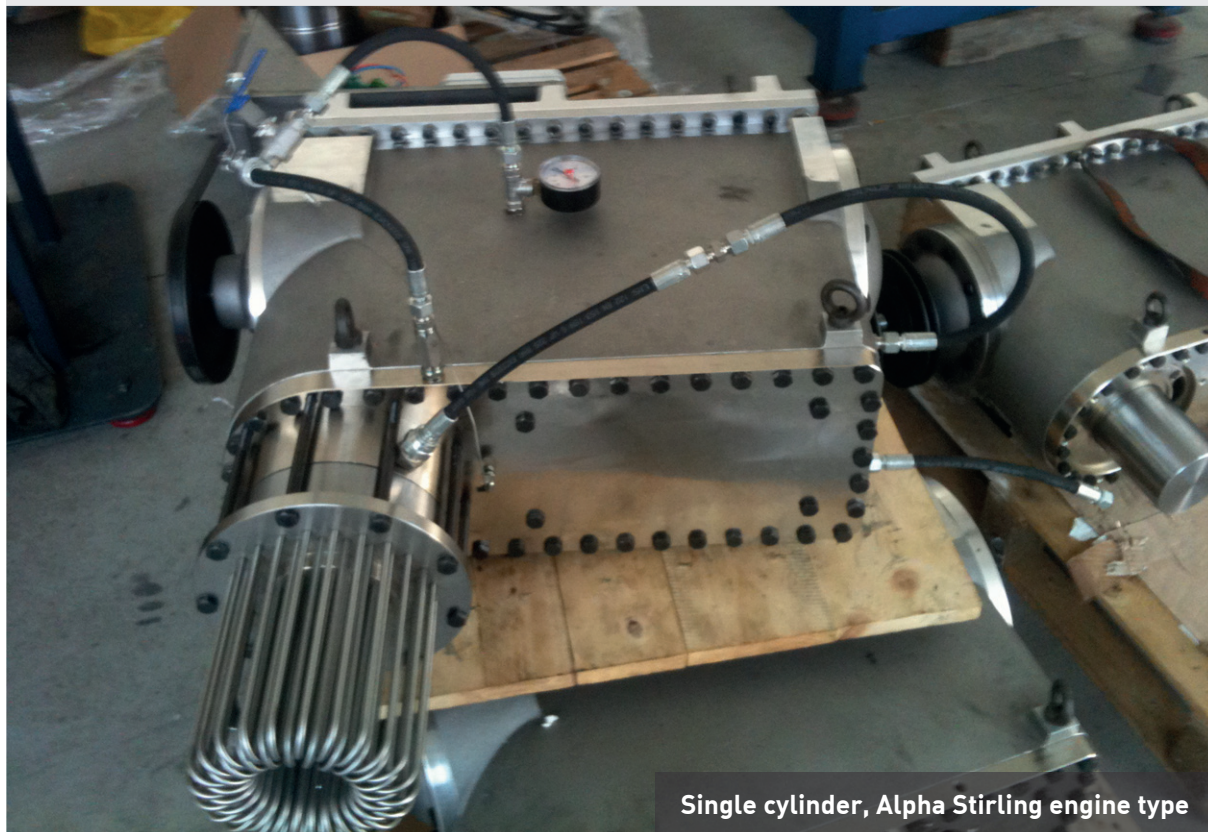


## Technical Scheme GENOA01



Single cylinder, Alpha Stirling engine type

### Materials used:

Exchanger and heat sink:	Stainless steel AISI 316
Regenerator:	Network stainless steel AISI 310
Engine block and crankcase:	Aluminum
Connecting Rods:	Aluminum
Crankshaft:	Steel bar hardened and ground
Pistons:	Aluminum covered with molybdenum

### Key Features:

CC:	522
Working gas:	air (nitrogen)
Overpressure:	up to 30 bar
Operating temperature:	(hot side) 750 °C
Starting temperature:	(hot side) 520°C
Revolutions per minute:	(under load) 600
Lubrication:	not required
Cooling:	water
Maintenance:	inspection every 1000 hours / work
Dimensions (approx.):	716 mm x 770 mm x 240 mm
Weight (approx.):	120 kg

### Performance:

Electric power (DC) to 1 kW (with permanent magnet generator or equivalent)  
It can work for 24 hours / 7 days continuously)