TEDOM
YANMAR GROUP

# Engines for Gas Compression

tedom-engines.com

# TEDOM engines for gas compression

TEDOM variable speed gas engines are suitable for various mechanical drive application in oil&gas industry. Engines have low surface temperatures, pneumatic starting system, spark safe electrical accessories and other optional safety features.

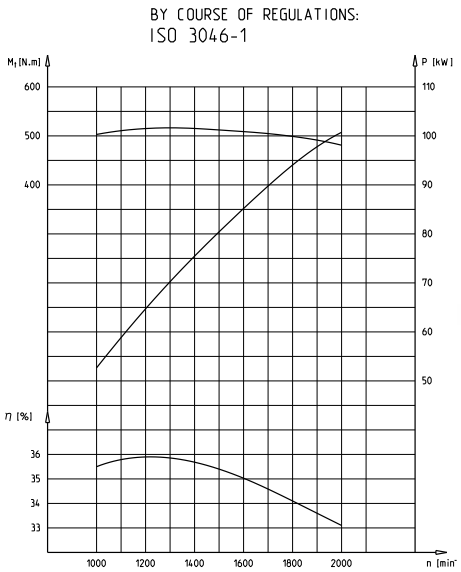
## Advantages of TEDOM engines for gas compression

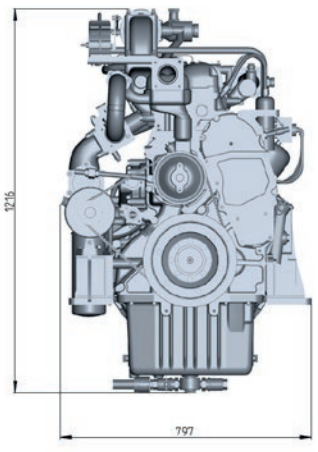
- simple and robust engine design with increased sulphur resistance
- long service intervals and easy maintenance
- economic operation due to fair spare parts pricing
- over 30 year tradition in gas applications
- 24 months warranty without limit of operating hours

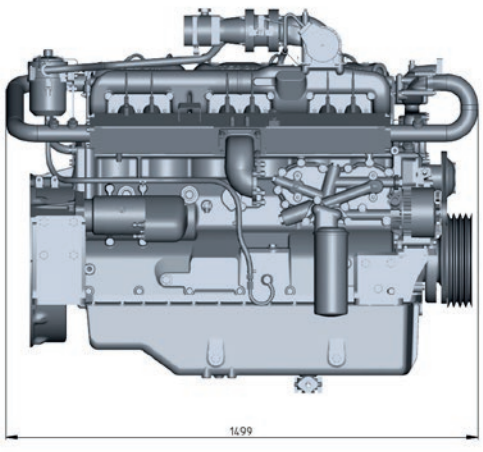
| Engine model | Mech. power output | Min. speed | Max. speed | Emissions | | Displace-ment | Com-pression ratio | Concept | Configuration |
|---|---|---|---|---|---|---|---|---|---|
| | | | | CO | $NO_x$ | | | | |
| | kW | rpm | rpm | mg/Nm³ | mg/Nm³ | dm³ | | | |
| TG 100 DV NX 86 | **100** | 1200 | 1800 | 650 | 500 | 11,94 | 9,5:1 | Lean burn | Naturally aspirated |

## TG 100 DV NX 86

Performance characteristic and dimensions



# Standard scope of supply

- engine driven coolant pump and thermostatic chamber
- water-cooled exhaust manifold and turbocharger*
- pneumatic starter
- shielded ignition system
- shielded speed governor
- mechanical AFR control system
- ports for jacket water preheating system connection
- oil pan with ports for automatic oil level control and oil preheating system connection
- centrifugal oil filter in by-pass
- full-flow replaceable oil filter

*...if applicable

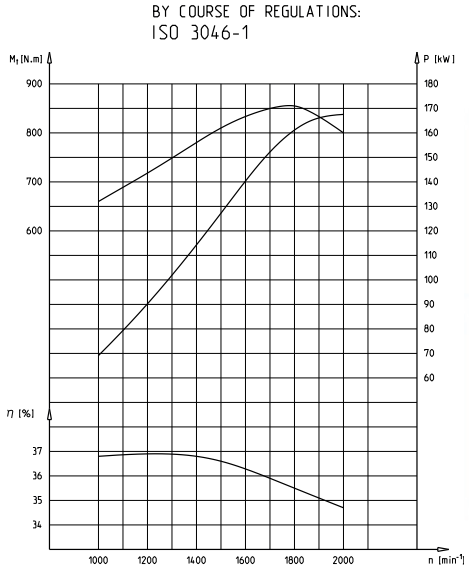
# Options

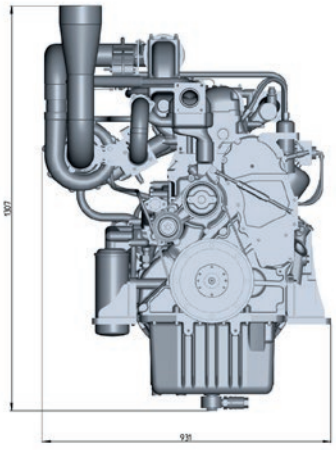
- shielded automatic AFR control system
- shielded charging alternator
- intake manifold spark arrestor
- exhaust gas muffler with spark arrestor
- additional engine driven coolant circulation pump
- thermocouples for single cylinder temperature measurement
- electric starter 24 V, 6,6 kW
- two independent starters
- filter-box with air filter
- complete gas train
- non-shielded ignition system
- non-shielded speed governor
- without coolant pump and thermostatic chamber

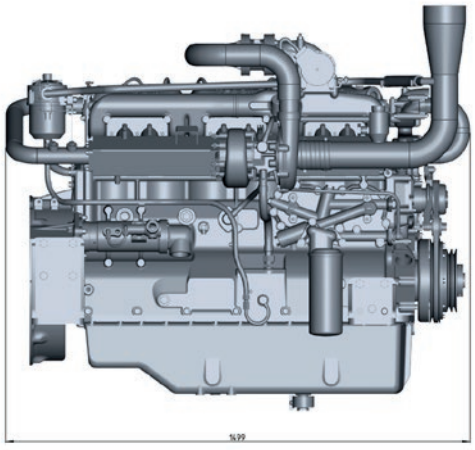
| Engine model | Mech. power output | Min. speed | Max. speed | Emissions | | Displace-ment | Com-pression ratio | Concept | Configuration |
|---|---|---|---|---|---|---|---|---|---|
| | | | | CO | $NO_x$ | | | | |
| | kW | rpm | rpm | mg/Nm³ | mg/Nm³ | dm³ | | | |
| TG 170 DV TX 86 | **170** | 1200 | 1800 | 650 | 500 | 11,94 | 9,5:1 | Lean burn | Turbocharged without IC |

# TG 170 DV TX 86

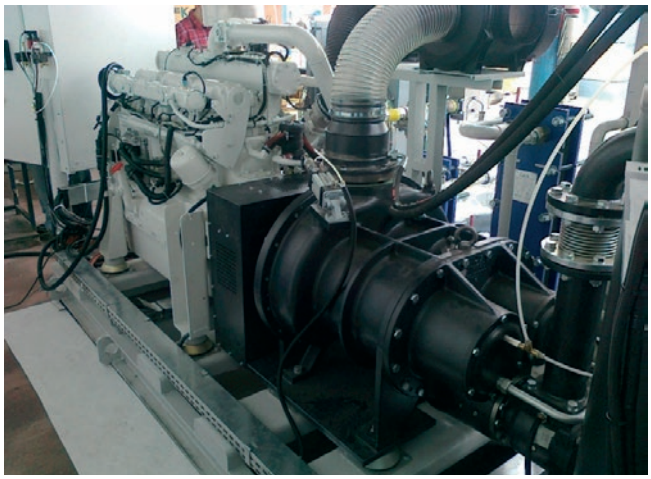
## Performance characteristic and dimensions

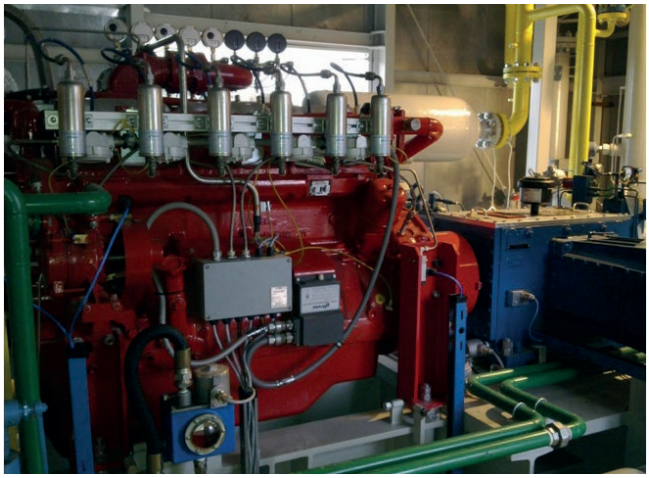


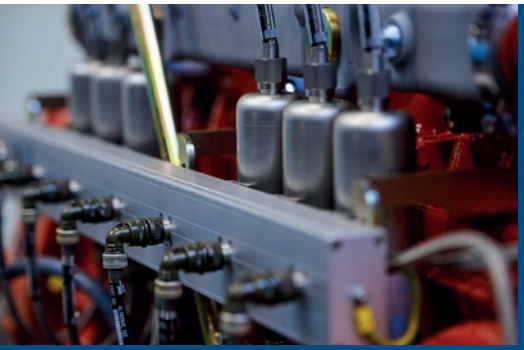



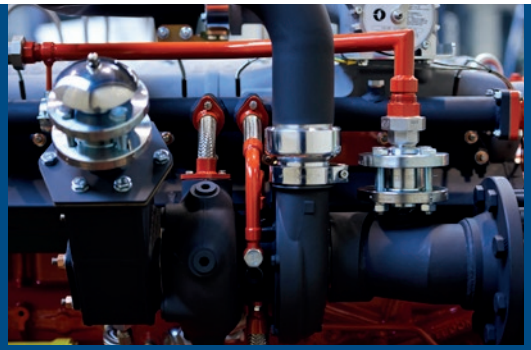


# Application examples









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