New from Stewart & Stevenson

Gaseous Fueled Power Generation

Prime Power
Combined Heat and Power Applications

Powered by:
• MTU Onsite Energy Series 4000 Natural Gas Engine
  – Electric Output 764 – 1930 kW
• MTU Onsite Energy Series 400 Natural Gas Engine
  – Electric Output 128 – 354 kW

Natural Gas CHP Systems
Focus on Overall Efficiency

Applications
• Cogeneration
• Trigeneration

Benefits
• Efficient – low fuel consumption
• Economical – low life cycle costs
• Eco-friendly – low emissions
• Independent – reliable supply

Technical Features
• Skid mounted genset
• Flexible coupling between engine and 480V alternator (2 bearing)
• Base frame with integrated exhaust silencer, catalyst and heat recovery system from jacket water, lube oil, exhaust and mixture cooling (as applicable)
• Gas train (delivered loose) and hose
• MMC-panel
• Emission level acc. to 40CFR 60 JJJJ Table 1

Additionally for Series 4000 GB
• Step up gearbox between engine and alternator

See Back For Product Specifications
Product Portfolio

**PRODUCT PORTFOLIO S400**

<table>
<thead>
<tr>
<th>Version</th>
<th>Gas</th>
<th>Engine Power (kW)</th>
<th>El. Output (kWe)</th>
<th>Th. Output (kBTU/h)</th>
<th>Total Energy Input (kBTU/hr)</th>
<th>El. Efficiency (%)</th>
<th>Total Efficiency (%)</th>
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**MMC MTU Module Control Series 400 Only**

**Features**
- Speed control
- Power control
- Lambda control
- Knocking control
- Dual fuel operation (gas)
- Start-Stop procedure
- Synchronizing
- Mains & generator protection
- Power export control
- Island operation
- Safety chain
- Jacket water control & preheating
- Heating water control
- Intercooler coolant control
- Emergency cooling water control
- Heating water reservoir
- Boiler selection
- Room temperature control
- Lube oil system control
- Valve flap control (exhaust & bypass)
- Data logger
- M-Graph
- SMS Email client
- Language selection & user level
- Remote monitoring & diagnostic
- Customer interfaces (e.g. Profibus DP)
- Clock timer & counter evaluation

**PRODUCT PORTFOLIO S4000**

<table>
<thead>
<tr>
<th>Version</th>
<th>Engine Power (kW)</th>
<th>Efficiency Gearbox (%)</th>
<th>Power at Gearbox (kW)</th>
<th>Efficiency Generator (pf1, 480V) (%)</th>
<th>El. Output (kW)</th>
<th>Th. Output (kBTU/h)</th>
<th>Total Energy Input (kBTU/hr)</th>
<th>El. Efficiency (%)</th>
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<tr>
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