PYRO EXHAUST GAS ECONOMIZER
EXHAUST GAS HEATED 24 – 3500 KW

- **SCHEMATIC EXAMPLE OF HOT-WATER SYSTEM INCLUDING EXHAUST-GAS HEATER**

- **FUEL CONSUMPTION – FUEL SAVING**
The graph shows how oil consumption varies according to the heating system employed.

- **TECHNICAL DESCRIPTION**
  - Designed for marine environment
  - All-welded boiler steel
  - Easy service
  - Open or closed expansion system
  - DNV approval
  - Automatic cleaning system

- **OPERATIONAL DESCRIPTION**
  - Safety thermostat setting 95 °C
  - Normal working temperature 70 – 85 °C
  - Opening pressure safety valve 3.0 bar
  - Test pressure 4.5 bar
  - Max pressure SHW coil 10.0 bar
  - Test pressure SHW coil 20.0 bar
  - Control voltage 230 V/50 – 60 Hz
  - Main voltage 400 V/50 Hz – 690 V/60 Hz

- **OPTIONAL EQUIPMENT**
  - SHW coil
  - Electrical heating element
  - Radiators

- **CHOICE OF EXHAUST GAS HEATER**
  - Heat requirement
  - Available waste heat
  - Engine rating
  - Exhaust-gas temperature at various engine load
  - Exhaust-gas flow at various engine load
  - Exhaust-gas pipe diameter
  - Pressure drop requirement
  - Exhaust-gas low temperature limit

- **ENERGY SAVING**
  More than 40 % of the carbon dioxide emissions actually come from energy we use every day. A exhaust gas heated hot water heater is a perfect combination for cost saving and reducing enviromental impact. A computer-based software for calculation is used for optimum choice of heater.
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### EXHAUST ECONOMIZER TYPES

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<tr>
<th><strong>SINGLE ENGINE TYPE</strong></th>
<th><strong>MULTI ENGINE TYPE</strong></th>
<th><strong>COMBI TYPE</strong></th>
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<tr>
<td>11 basic sizes</td>
<td>2 main engines</td>
<td>Exhaustgas section for 1 or 2 main engines</td>
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<tr>
<td>3 and 4 different tube bundles lengths</td>
<td>1 main engine and 2 auxiliary engine</td>
<td>Oil fired section</td>
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<td>Bypass function</td>
<td>Separate bypass for each engine</td>
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<td>Common or separate control system</td>
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