Process pump type Ensival Moret EMTECH

EMTECH pump range has been designed for various process pumping applications. It fulfills energy efficiency regulations across all industries and exceeds the requirements of ISO 5199 international standard. Efficient hydraulics reduce total cost of ownership (TCO).

Main applications
The EMTECH process pump range has been designed to meet the process requirements in versatile general and industrial applications such as:
- clean and slightly contaminated liquids
- viscous liquids
- fibrous slurries
- sticky liquids

EMTECH-R pump for specific applications
The EMTECH pump range with heating/cooling jacket offers also reliable and safest solutions for demanding applications such as:
- molten sulphur
- ammonium nitrate
- high/low temperatures

Design
- Construction in accordance with ISO 5199 and dimensions in accordance with ISO 2858
- High efficiency hydraulics
- Low NPSH (net positive suction head)
- Back pull-out design: dismantling without disturbing piping or motor
- Open or closed impeller
- Shaft sealing with mechanical or hydrodynamical seal

- Collection chamber with drain for seal/process liquid in case of seal failure
- Easy and fast installation with standard coupling or V-belt drive
- Heating or cooling jacket as option
- Maximum interchangeability of parts throughout the range
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- Oil and gas
- Hydrocarbon processing
- Power generation
- Pulp, paper and board
- General industry
- Chemical process industry
- Water and wastewater

### Operating data

**50 Hz**
- Capacities: up to 1'540 USgpm
- Heads: up to 525 ft
- Pressures: up to 290 psi
- Temperatures: up to 356°F
- Maximum speed of rotation: up to 3'600 rpm

**60 Hz**
- Capacities: up to 1'540 USgpm
- Heads: up to 525 ft
- Pressures: up to 290 psi
- Temperatures: up to 356°F
- Maximum speed of rotation: up to 3'600 rpm

### Performance range

![Graph showing performance range with Q (m³/h) and H (m) scales]

### Materials

<table>
<thead>
<tr>
<th>Standard material options</th>
<th>Material</th>
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<tbody>
<tr>
<td>Duplex stainless steel</td>
<td>A890 CD4MCuN</td>
</tr>
<tr>
<td>Super austenitic</td>
<td>A743 CN7M</td>
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<tr>
<td>Cast iron</td>
<td>A48 class 35B</td>
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</tbody>
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Other materials upon request: titanium, Hastelloy, nickel etc.