



- Heavy duty construction
- Maximum reliability
- Low maintenance costs

Axial flow pump type Ensival Moret CAHR

The CAHR pump range has been designed for high flow and low head pumping applications. With its heavy-duty construction and flexible design, it is suitable for all kinds of industrial schemes and various types of liquids for both highly corrosive and slurry applications.

Main applications

Low-pressure, horizontal and vertical axial flow pumps to meet the process requirements in versatile general and industrial applications:

- corrosive liquids
- abrasive liquids
- solid-contaminated liquids

Design

- Cast design or fabricated design
- Cast impeller with replaceable wear ring
- Available in top or end suction configurations
- No bearing in the pumped liquid
- Cartridge seal is standard with gland packing, single or double mechanical seal
- Strong shaft reduces deflection and ensures long-term reliability of shaft seal
- Heavy duty bearing frame with high radial and axial load roller bearing to ensure optimal rigidity of the pump

Materials

- Standard materials: cast iron, carbon steel, austenitic stainless steel, duplex alloys
- Other materials upon request: titanium, monel, nickel, etc.

Vertical design CAHR-V available

Mainly used as forced feed circulation pump:

- low-level flash cooler pump
- phosphoric acid slurry circulation pump



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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 | | 60 Hz |
|--------------------------------|--------------|----------------------|
| up to 40'000 m ³ /h | Capacities | up to 176'000 USgpm |
| up to 8 m | Heads | up to 26 ft |
| up to 10 bar | Pressures | up to 145 psi |
| from -40°C to 180°C | Temperatures | from -202°F to 356°F |

Performance range

