Slurry pump type Ensival Moret PLR and CR

Design

- Specially designed to handle slurries with a high level of very abrasive solids
- Grease-lubricated double tapered roller bearings for V-belt transmission or for direct drive
- Adjustable discharge nozzle position
- Closed type impeller screwed on shaft with front and back relief vanes
- Wear plate fitted on the back of the impeller
- Large clearances preventing wear
- Shaft seal by packing, special slurry mechanical seal or dynamic seal with expeller

Additional design

- Vortex impeller, semi-open impeller, dynamic seal (“packing expeller”)
- Special design with heating/cooling chamber
- Special design for froth pumping applications
- Special design for vertical mounting

Standard materials

- PLR pump is designed to be manufactured from special materials with a high hardness level thus affording the best anti-abrasion characteristics.
- CR pump is available in duplex or other corrosion-resistant alloys to pump aggressive slurries.

- Maximum abrasion and corrosion resistance
- High reliability and durability
- High interchangeability

Pump type	Material
PLR	ASTM A532 IIIA
	30% Cr + Mo cast iron
	38% Cr cast iron
CR	ASTM A890 1B
	ASTM A743 CN7M

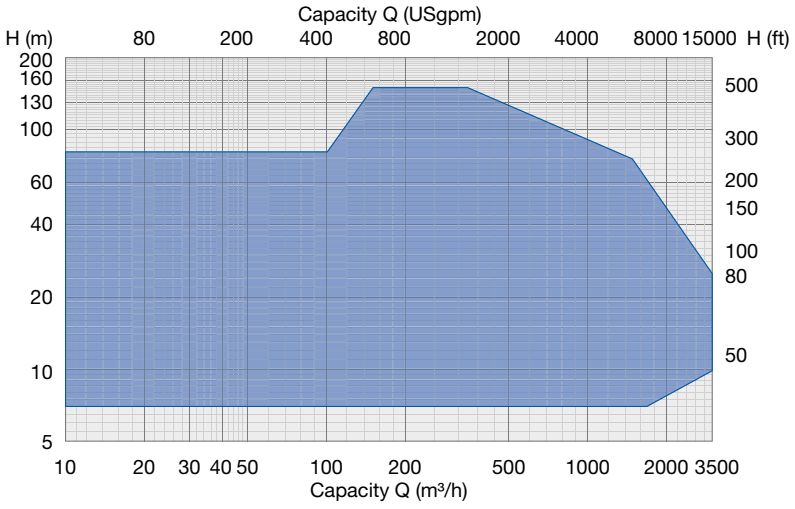
Other materials upon request.

Operating data

	50 Hz	60 Hz
Capacities	up to 3’500 m³/h	up to 15’400 USgpm
Heads	up to 130 m	up to 430 ft.
Pressures	up to 50 bar	up to 735 psi
Temperatures	up to 150°C	up to 300°F
Maximum speed of rotation	up to 3’000 rpm	up to 3’600 rpm

Higher capacities and heads upon request.

Performance range



Main industries and applications

A specific design combined with a wide range of options makes the PLR and CR pump suitable for highly demanding applications such as:

- Abrasive and corrosive slurries
- Ammonium nitrate
- Froth pumping and self-regulating applications

Pulp, paper and board | **General industry** | **Chemical process industry** | **Water and wastewater**

www.sulzer.com
E10483 en 2.2020, Copyright © Sulzer Ltd 2020
This brochure is a general product presentation. It does not provide any warranty or guarantee of any kind. Please, contact us for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.