

MIRA

AXIALLY SPLIT CASE CENTRIFUGAL PUMP



Overview

The MIRA series delivers high-capacity water transportation with exceptional efficiency and reliability. Designed for large-scale water infrastructure projects, MIRA pumps are ideal for continuous-duty operation where performance and durability are essential. Designed with precision-machined impellers and robust casing, it delivers consistent performance under demanding conditions. Key features include low-vibration operation, easy maintenance access, and compatibility with a wide range of fluid types. The compact footprint allows flexible installation in space-constrained environments. Built to international standards, the MIRA series ensures long service life, energy efficiency, and dependable operation for critical process systems.

Pump Structure Design

Pump body, pump cover, impeller and other materials for the HT250 conventional configuration, but also optional ductile iron, cast steel, stainless steel series of materials up to duplex stainless steel, specifically with technical support to communicate. MIRA series pump part of the model of the impeller by the combination of two single suction impeller, the use of new foreign hydraulic design method to design hydraulic model, and the use of adjacent leaves intertwined structure, the water pulse down to the head of $\pm 1\%$ to $\pm 2\%$, So that the flow is more stable, more efficient, lower calorific value must be.

Pump Operating Conditions

The MIRA Series is suitable for pumping clean, thin, non-flammable, non-combustible, non-explosive liquids free of solid particles or fibrous matter. Permissible fluid temperature ranges from $-15\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$ for the normal-temperature type and $-15\text{ }^{\circ}\text{C}$ to $+105\text{ }^{\circ}\text{C}$ for the hot-temperature type. Maximum ambient temperature is $40\text{ }^{\circ}\text{C}$; maximum installation altitude is 1000 m above sea level. Where ambient temperature exceeds $40\text{ }^{\circ}\text{C}$ or altitude exceeds 1000 m, motor output must be derated in accordance with the manufacturer's guidelines. Maximum allowable working pressure is PN12 for the normal type and PN16 for the high-pressure type.

Designation

Series Name
Water Inlet Diameter
Nominal diameter impeller (mm)
Diffusion type
By the first cut
2 pole speed

MIRA - 125-250-I -A/2

Application

Water Management

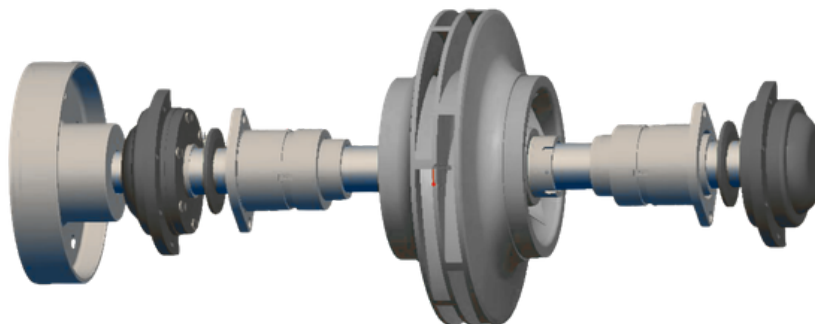
- Transfer Pump
- Distribution Pump
- Backwash Pump
- Irrigation Pump

General Industry

- HVAC
- Fire Pump
- Booster Pump
- Transfer Pump

Building Service

- Cooling Air Conditioning System
- Transfer Pump
- Fire Pump
- Booster Pump



"Advanced Hydraulic Technology for Efficient Water Movement."

Shell Seal Ring:

The use of lengthened seal ring, than the traditional seal ring has a better anti-leakageability, effectively improve the pump volumetric efficiency.

Volute:

Pump casing can be used according to different media different materials, can be made of cast iron, cast steel or stainless steel pump shell.

Shaft seal:

Shaft seal with packing seal, single-ended mechanical seal or double-end mechanical seal, can also be made of balanced mechanical seal.

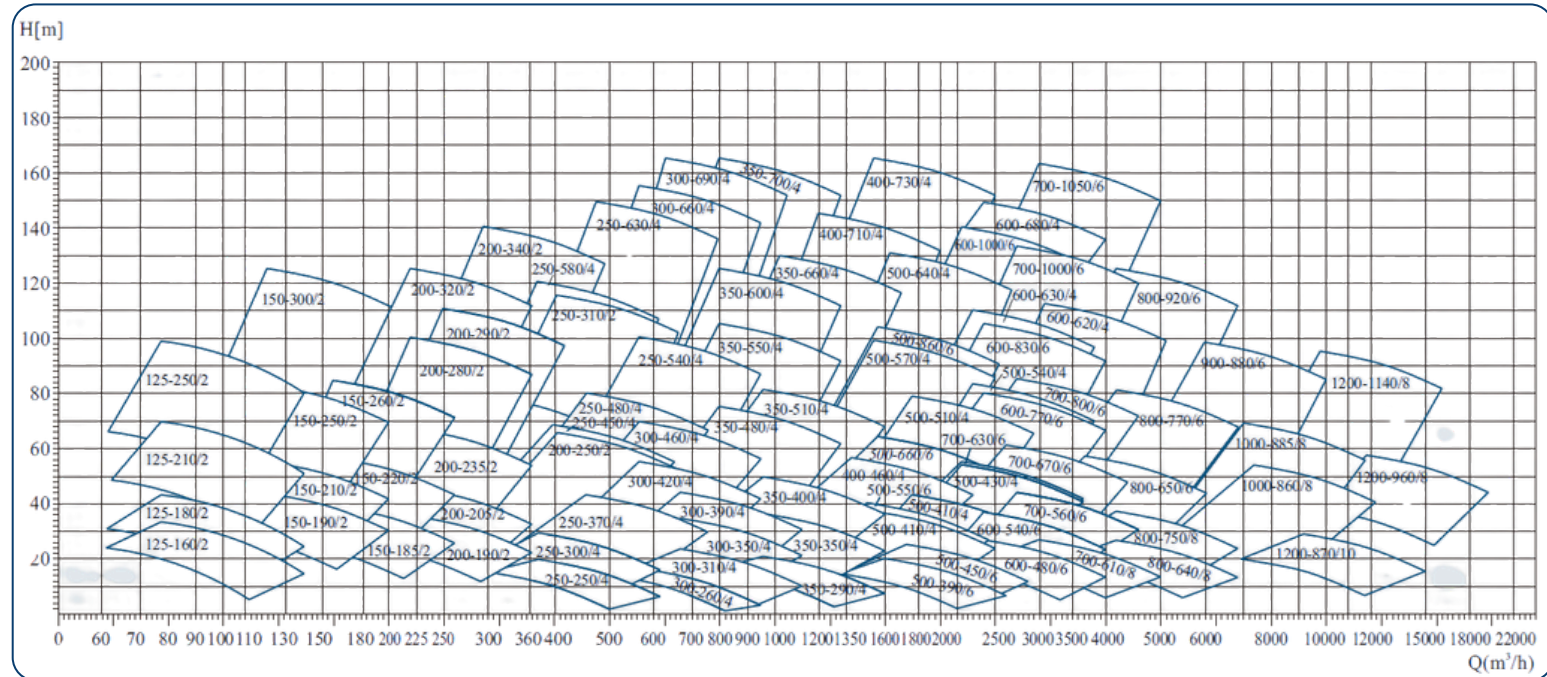
Bearing:

SLOWN pump bearings are made of domestic highquality bearings, you can also use imported SKF, NSK, NTN and other bearings, bearings can be used to lubricate oil or grease.

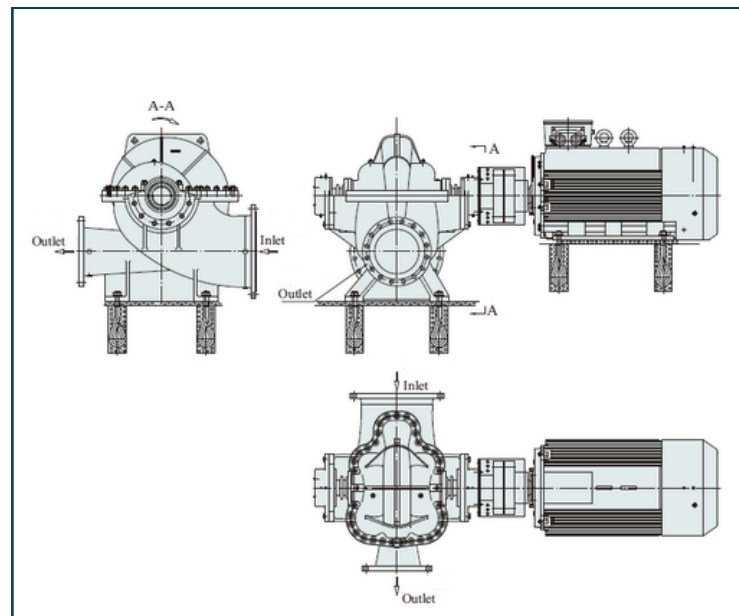
Rotor balance:

SLOWN pump the entire set of rotor assembly rotary parts assembled together for dynamic balance correction. The calibrated components include: impeller, spindle, impeller nut and so on. The implementation of standards: GB/T 9239 the G2.5 level.

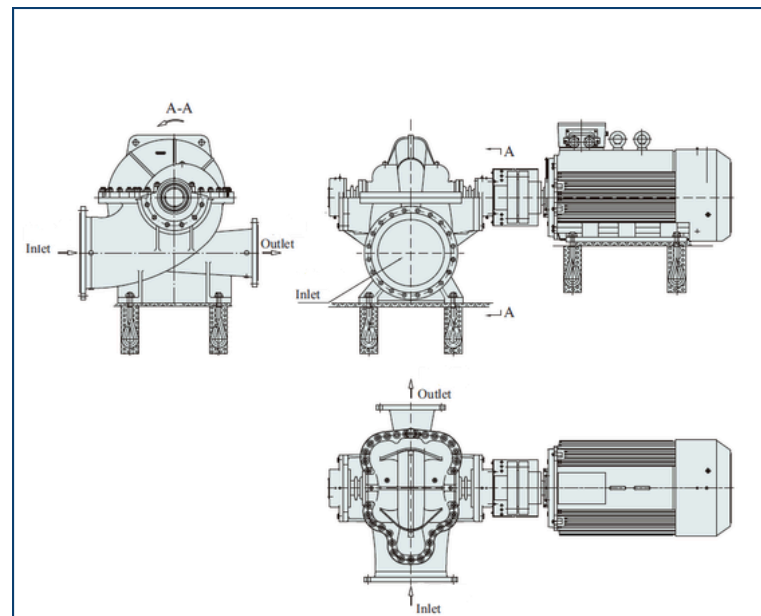
PERFORMANCE RANGE : MIRA SERIES



PUMP ROTATION DIRECTION



1. Conventional type (from the drive side, the direction of rotation of the pump clockwise rotation (CW))



2. Non-conventional type (from the drive side, the direction of rotation of the pump counterclockwise rotation (CCW))