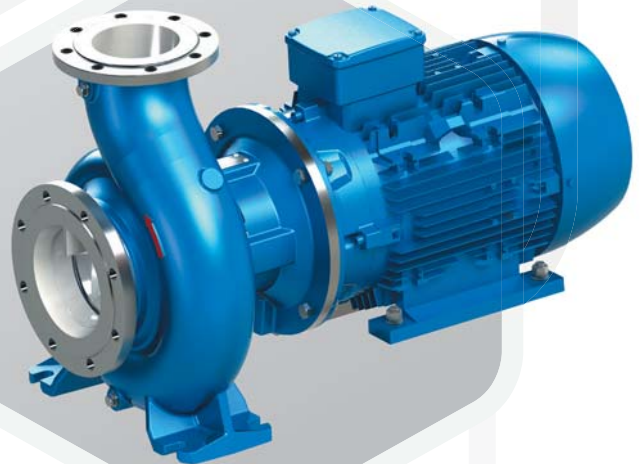


OVERHUNG / MONOBLOCK PUMPS

Kordis



KORDIS. OVERHUNG / MONOBLOCK PUMPS



DESCRIPTION

The Kordis pumps series is designed for handling water and chemically active liquids as well as the other fluids similar by their physical properties (specific gravity, viscosity, density) and corrosion impact on the pump parts material.

The pumps energy efficiency complies with EN 16480:2016 with Minimum Efficiency Index (MEI) > 0.7.

Design of the pumps and pumping units including their connecting dimensions meets the ISO 9905:1994 / EN 733 standard requirements.

The Kordis pump series is manufactured by HMS Livgidromash (a part of HMS Group) – one of the leading pumping equipment production companies in Russia and the CIS.

APPLICATION

- HVAC systems
- Process water supply and circulation units
- Fire-fighting systems
- Treated effluent discharge units
- Desalination systems

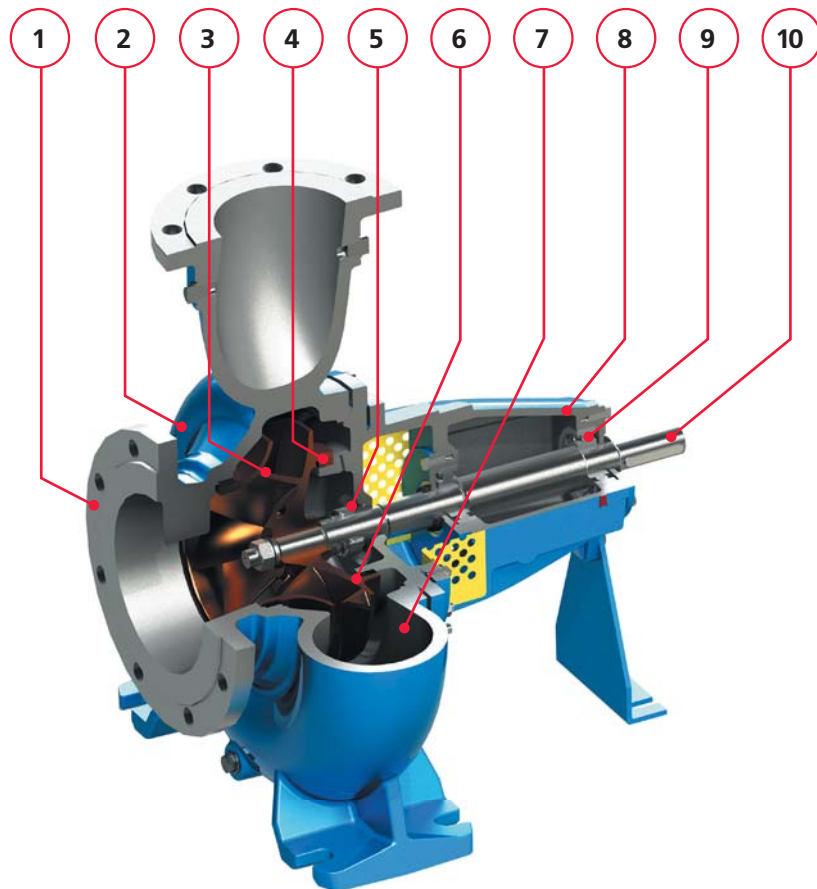
TECHNICAL DATA

Capacity, m ³ /h	3 – 2 000
Head, m	2.5 – 100
Max pressure, kgf/cm ²	16
Fluid temperature, °C	+1 ... +105
Solids content by weight	up to 0.2 %

MATERIALS

	Cast Iron/ Cast Iron	Cast Iron /Bronze	Nodular Cast Iron/Cast Iron	Nodular Cast Iron /Bronze	Duplex /Super Duplex	Stainless Steel
Casing, casing cover	Grey Cast Iron		Nodular Cast Iron		Duplex / Super Duplex	Stainless Steel
Impeller	Grey Cast Iron	Bronze	Grey Cast Iron	Bronze	Duplex / Super Duplex	Stainless Steel
Wearing ring	Grey Cast Iron	Bronze	Grey Cast Iron	Bronze	Duplex / Super Duplex	Stainless Steel
Shaft	Stainless Steel				Duplex / Super Duplex	Stainless Steel
Bearing housing	Grey Cast Iron				Duplex / Super Duplex	Grey Cast Iron/ Stainless Steel

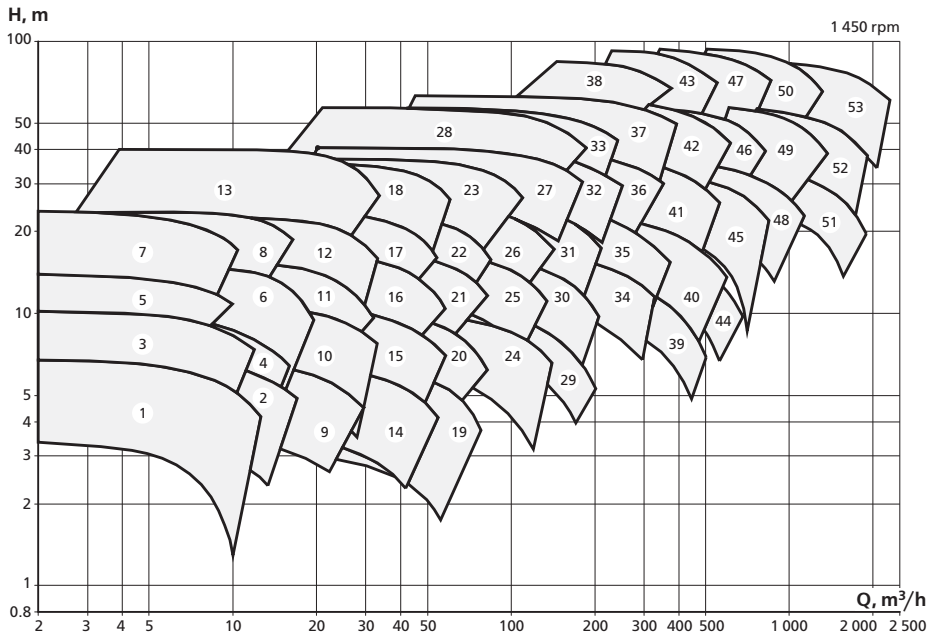
FEATURES & ADVANTAGES



1. The flanges are manufactured in accordance with ISO, DIN, ASME standards; suction and discharge nozzles and flanges are designed for operating pressure up to 16 kgf/cm²
 2. A wide range of available pump sizes allows selection of a pump to match the technical requirements of the hydraulic system
 3. Dynamically balanced closed-type impeller provides low rotor vibration that reduce energy consumption and operating costs
 4. Replaceable wearing rings are made of wear-resistant materials
 5. The seal chamber allows installation of gland or mechanical seal including the cartridge type one
 6. The impeller is unloaded from axial forces using special holes in the rear disk of impeller to reduce the load applied to the bearings and increase their service life
 7. The energy-efficient flow path is optimized using the newest CFD methods and computer-based simulation to provide the highest pump efficiency (MEI > 0.7) in accordance with ISO 16480:2016 standard requirements
 8. A pull-out rotor with removable bearing bracket unit allows the pump service operations without dismantling its casing and suction & discharge pipelines
 9. Bearing units with service life of at least 100 000 hours
 10. A rigid shaft with increased strength provides minimal vibration and beating to increase service life of seals and bearings
- The highly-unified main components for various pump sizes and versions significantly simplifies their maintenance
- The pumps and systems are tested in accordance with the international standard ISO9906:2012 Grade 2B requirements

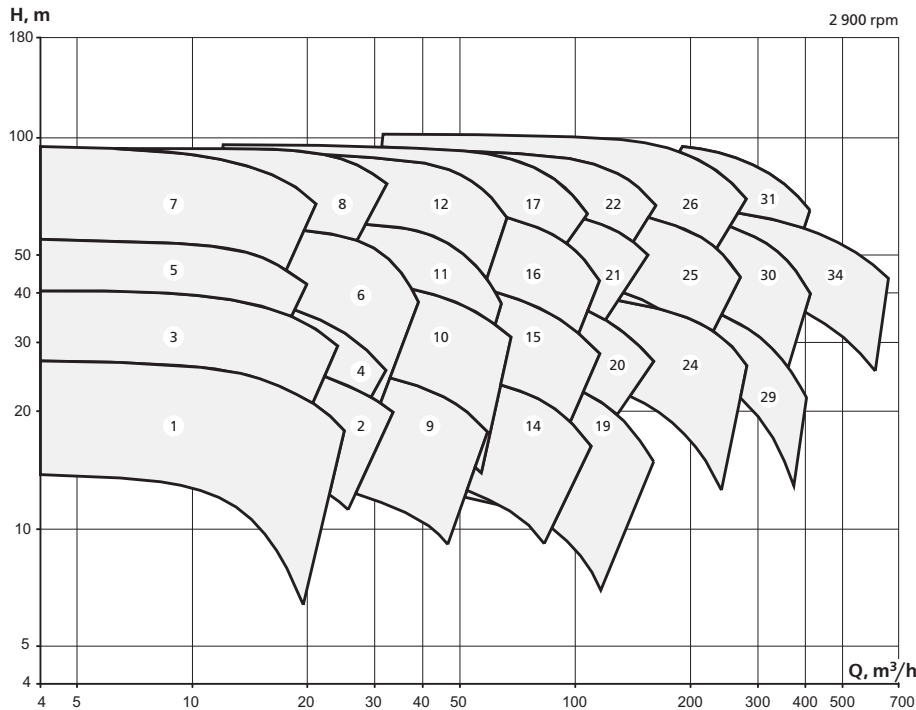
PERFORMANCE RANGE

Pumps with capacity up to 2,000 m³/h



- | | |
|--------------|----------------|
| 1 - 32-125.1 | 27 - 80-315 |
| 2 - 32-125 | 28 - 80-400 |
| 3 - 32-160.1 | 29 - 100-160 |
| 4 - 32-160 | 30 - 100-200 |
| 5 - 32-200.1 | 31 - 100-250 |
| 6 - 32-200 | 32 - 100-315 |
| 7 - 32-250.1 | 33 - 100-400 |
| 8 - 32-250 | 34 - 125-200 |
| 9 - 40-125 | 35 - 125-250 |
| 10 - 40-160 | 36 - 125-315 |
| 11 - 40-200 | 37 - 125-400 |
| 12 - 40-250 | 38 - 125-500.2 |
| 13 - 40-315 | 39 - 150-200 |
| 14 - 50-125 | 40 - 150-250 |
| 15 - 50-160 | 41 - 150-315 |
| 16 - 50-200 | 42 - 150-400 |
| 17 - 50-250 | 43 - 150-500.1 |
| 18 - 50-315 | 44 - 200-260 |
| 19 - 65-125 | 45 - 200-330 |
| 20 - 65-160 | 46 - 200-400 |
| 21 - 65-200 | 47 - 200-500 |
| 22 - 65-250 | 48 - 250-330 |
| 23 - 65-315 | 49 - 250-400 |
| 24 - 80-160 | 50 - 250-500 |
| 25 - 80-200 | 52 - 300-360 |
| 26 - 80-250 | 52 - 300-400 |
| | 53 - 300-500 |

Pumps with capacity up to 700 m³/h



HMS Group Moscow
International Sales Department

Phone: + 7 (495) 730 6601
 Fax: + 7 (495) 730 6602
 E-mail: export@hms.ru
www.grouphms.com www.hms.biz