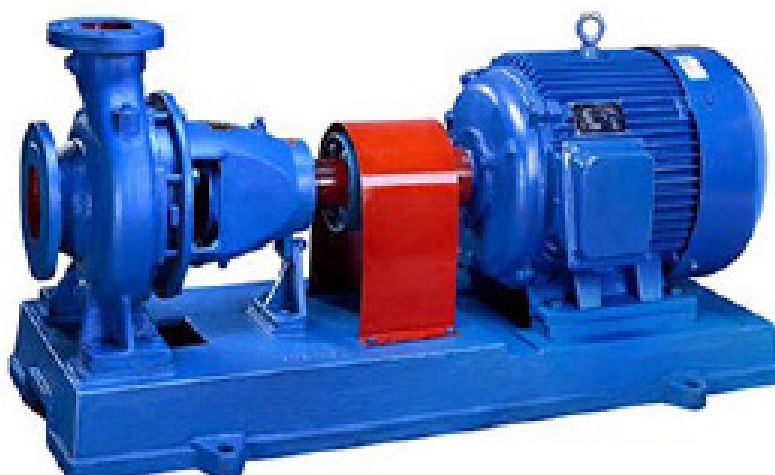


ВОДЯНЫЕ НАСОСЫ СЕРИИ IS/ISR



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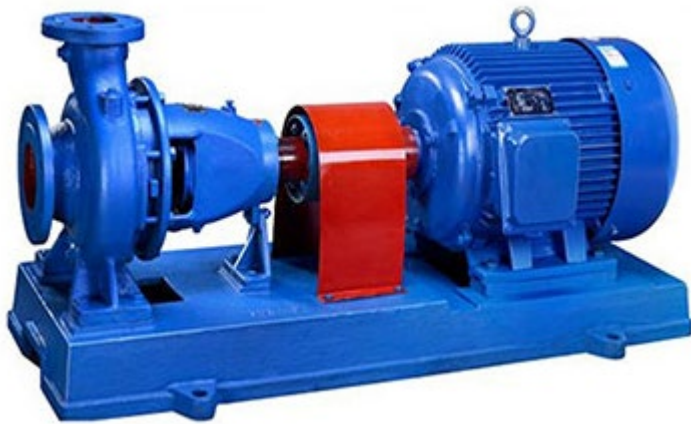
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ВОДЯНЫЕ НАСОСЫ СЕРИИ IS/ISR



Product Description

The IS(R) centrifugal water pump is a single-stage, single-suction centrifugal pump for the transportation of clean water or other liquids with similar physical and chemical characteristics. The medium used with the IS model should be under 80C, and under 150C for the IS(R) model.

The pump body and cover are divided from the back of the impeller, which is the so-called rear door structure, making for

convenient maintenance. During maintenance, the pump body, suction pipeline, discharge pipeline, and the motor are not moved; simply remove the intermediate coupling of the extended coupling to withdraw the rotor component.

The pump casing (namely, the pump body and pump cover) constitutes the centrifugal water pump's working chamber, impeller, shaft, rolling bearing, etc. as the pump rotor. The suspension bearing component supports the pump rotor component, and the rolling bearing receives the radial and axial force of the pump.

In order to balance the axial force of a pump, most have seal rings on the front and rear of the impeller, and a balance hole on the rear cover of the impeller. Due to the low axial force of some pumps, no seal ring or balance hole is necessary.

The axial seal ring of the water pump is composed of packing and the packing gland, which prevent air intake or a large amount of water leakage. In order to avoid shaft abrasion, a protective sleeve is installed where the shaft passes through the packing cavity, and an O sealing ring is installed between the shaft sleeve and the shaft to prevent air intake or water leakage along the mating surface.

The pump's transmission is connected with the motor through an extended elastic coupling. The water pump rotates in a clockwise direction when viewed from the drive end.

Product Features

- High temperature-resistant structure: The water pump body adopts the center support method, which reduces the stress involved with inconsistent thermal expansion under high temperatures and the change of the coupling to the center when the pump is transporting high-temperature media. The pump bracket, cover, suspension body (bearing part), and machine seal gland have cooling chambers, which can be cooled with water or air at different temperatures.
- Bearings: Thin-oil lubrication significantly increases the bearing capacity. Bearing life is approximately 25,000 hours.
- Shaft seal: Optional packing seal and mechanical seal available.

- Coupling: This model employs elastic column tip coupling with high precision transmission.
- Auxiliary pipeline: This pipeline is configured according to the standards of the 8th edition of the API 610.
- High-pressure design: 4.0MPa

Main Application

The applications include water supply and drainage in locations and industries including electric power stations, metallurgy, weaving, chemical, dyeing, ceramics, rubber, heating, heating and air condition utilities, and agriculture irrigation and drainage.

Performance Data:

Model	Capacity m ³ /h	Head m	Power kW	Effeciency %
IS 50-32-125	12.5	20	2.2	60
ISR 50-32-125	6.3	5	0.55	54
IS 50-32-160	12.5	32	3	54
ISR 50-32-160	6.3	8	0.55	48
IS 50-32-200	12.5	50	5.5	48
ISR 50-32-200	6.3	12.5	0.75	42
IS 50-32-250	12.5	80	11	38
ISR 50-32-250	6.3	20	1.5	32
IS 65-50-125	25	20	3	69
ISR 65-50-125	12.5	50	0.55	64
IS 65-50-160	25	32	0.5	65
ISR 65-50-160	12.5	5	0.75	60
IS 65-40-200	25	50	7.5	60
ISR 65-40-200	12.5	12.5	1.1	55
IS 65-40-250	25	80	15	50



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