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IS series single-stage end-suction(axial intake) centrifugal pump



S series single-stage end-suction(axial intake) centrifugal pump is an energy-saving pump designed by teamwork in the whole nation, it is improved on basis on model BA, B and other single-stage water centrifugal pump. The advantages : its hydraulic capability is distributed reasonably, wide option for user, conveniently check and repair, the efficiency and throw is up to advanced international level. This pump is suitable for industrial and city water supply, water drainage, and widely used for agricultural irrigation, transportation pure water or other liquids which physical and chemical nature is similar to pure water, and the temperature should not be higher than 80*0.

STRUCTURE DIRECTIONS

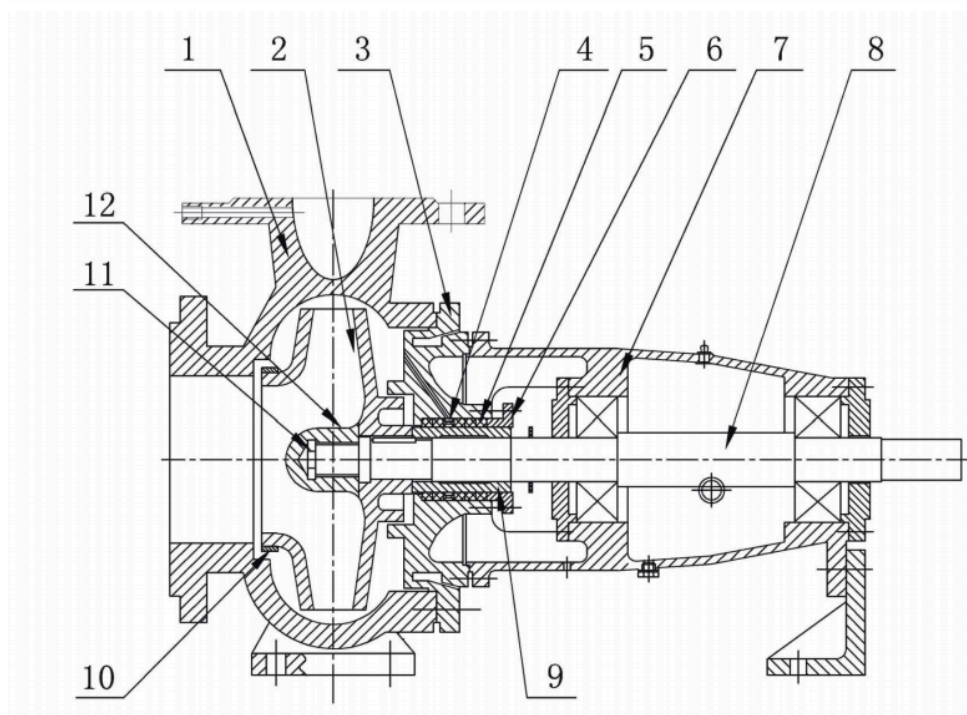
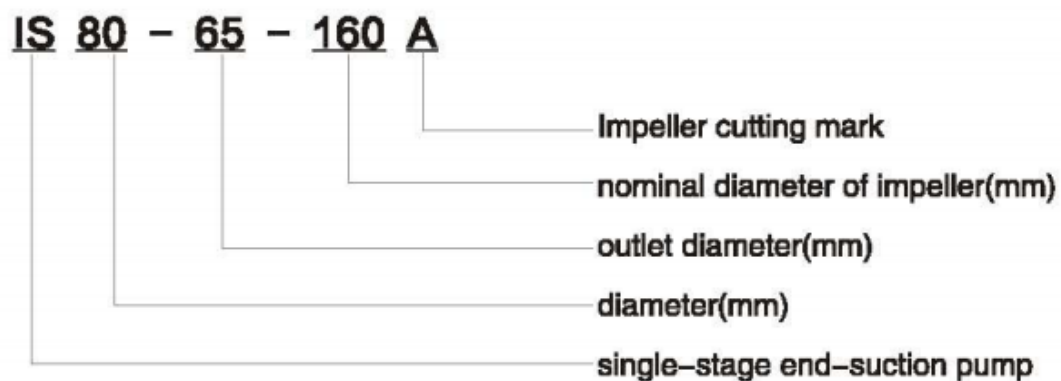
1. IS series single-stage end-suction centrifugal pump is designed according to the capability and size stipulated in the international Standard ISO2858, it is composed of pump body, pump cover impeller, shaft, ring seal, sleeve and suspended bearing units.
2. The pump body and pump cover in IS series are separated from the back of impeller, that is to say in general, back open structure, whose advantages: convenient overhaul, when checking and repairing, the pump body intake pipe, discharge pipe and motor need not to move, just disassembly the middle connector of extended coupling to quit the rotor units for overhaul.
3. The pump shell (that is pump body and pump cover) forms the workroom of pump, impeller, shaft and rolling bearing are the rotors for the pump. Suspended bearing units support the rotors in the pump. The rolling bearing stands the radial load and axial force.
4. The axial sealing ring of the pump is composed of packing gland, packing rings and packing to avoid air admission or severe water leakage. For the impeller with balance hole, the empty chamber with soft packing is straight through with the impeller inlet. If the liquid in the impeller inlet is in vacuum state, the air will enter along the surface of muff easily. Therefore, the packing chamber is fitted with packing ring, which has the seal function when pressure water inside the chamber is led to it through a small hole in the pump cover. For the impeller without balance hole, the packing ring may be neglected in virtue of no existence of air leakage because the impeller back hydraulic pressure is larger than atmosphere one.
5. To avoid abrasion of shaft, the part where the shaft runs through packing chamber is fitted with protective muff. O ring is fitted between muff and shaft to protect against air entering or water leaking along the matching surface.
6. The pump is connected to motor with extending flexible coupling. The pump turns clockwise when you look from the driving end.

IS Series Clear Water Pump Pump parameters:

Range :

Discharge	Size : 32	–	150	mm
Capacity : 3	–	450	m	³ /h
Head : 5	–	125	m	

As a **Centrifugal Clear Water Pump Supplier**, we supply all kinds of Clear Water Pump Pumps like **Self Priming Dirty Water Pumps, Potable & Clean Water Pumps** and so on.



1	pump casing	4	packing ring	7	suspension bearing parts	10	sealing ring
2	impeller	5	packing	8	shaft	11	impeller nut
3	pump corer	6	packing gland	9	shaft sleeve	12	lock washer

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