

ВОДЯНЫЕ НАСОСЫ СЕРИИ S/SH



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ВОДЯНЫЕ НАСОСЫ СЕРИИ S/SH



Product Description

The S and SH split case pumps are a single-stage, double-suction, horizontal centrifugal pumps used for the transportation of clean water or other liquids with similar properties, with maximum temperatures of 80°C.

The suction and discharge ports of S and SH pumps are both located below the pump's shaft centerline, the horizontal direction is perpendicular to the axis, and the pump casing and center are opened. There is no need to disassemble the water inlet, discharge pipe, or the motor during maintenance. When viewed from the direction of the coupling, the water

pump rotates counterclockwise.

The main parts of S and SH centrifugal split case pumps are the pump body, pump cover, impeller, shaft, double-suction seal ring, shaft sleeve, and bearing, all of which are composed of cast iron, except for the shaft, which is made of high-quality carbon steel. The pump body and pump cover form the working chamber of the impeller. Pipe screw holes for installing a vacuum and pressure gauge are made on the water inlet and outlet flanges, and water pipe screw holes are made on the lower part of the water inlet and outlet flanges.

The impeller is statically balanced and fixed with the sleeve and sleeve nuts on both sides. Its axial position can be adjusted by the sleeve nut. The axial force of the impeller is balanced by the symmetrical arrangement of its blades. There may be some leftovers. The remaining axial force is borne by the bearings at the coaxial end. The pump shaft is supported by two single-row radial ball bearings. The bearings are installed in the bearing bodies at both ends of the pump body, and lubricated with "butter." The double-suction seal ring is used to reduce water leakage from the pump pressure water chamber back to the water suction chamber.

The circulation pump is directly driven by the motor through the coupling. The shaft seal is a soft packing seal. In order to cool and lubricate the seal cavity and prevent air from leaking into the pump, there is a water seal ring between the fillers. When the pump is in operation, a small amount of high-pressure water flows into the packing cavity through the water seal tube to serve as a water seal.

Product Features

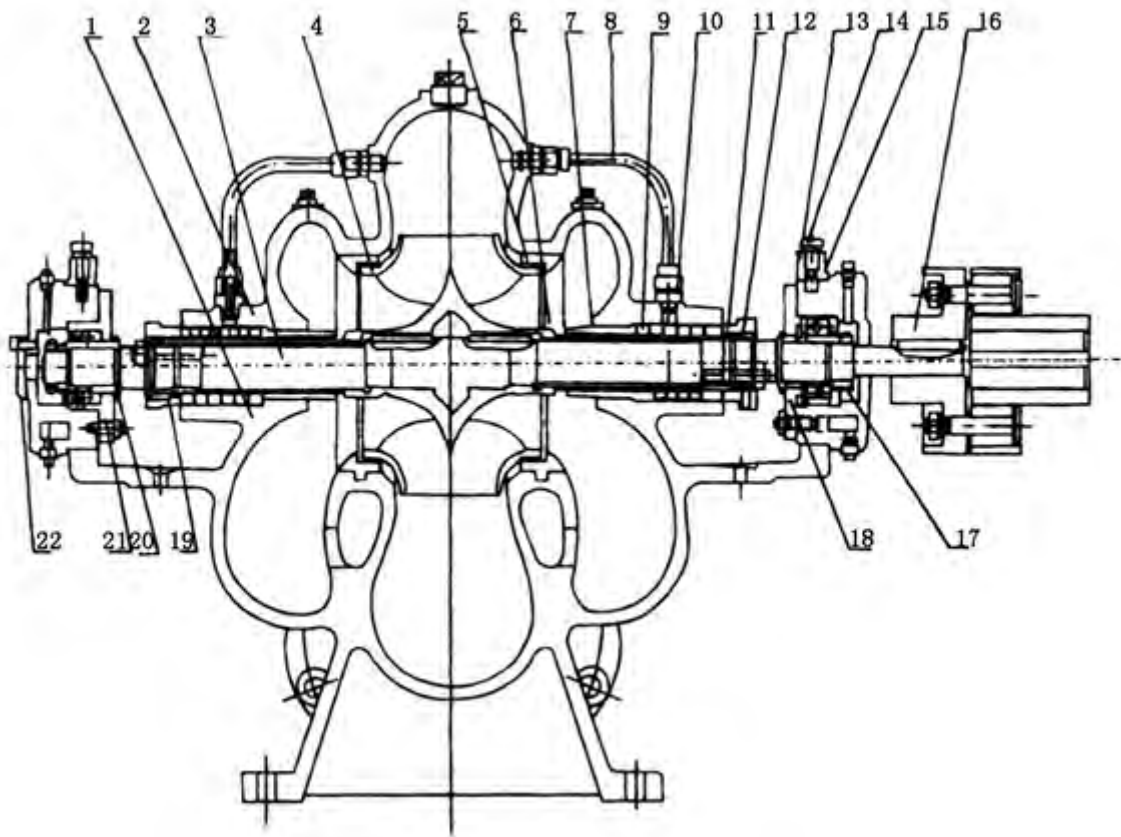
1. Large flow capacity, high efficiency.
2. Easy operation and maintenance.
3. Long operational life- The life of the pump casing should extend to at least 30 years, with a pressure threshold of up to 10MPa.
4. The location of the inlet and outlet flange of the split case pump can be custom placed upon request.

5. The shaft, impeller, shaft sleeve, and sealing ring can be composed of a selection of different materials according to the working conditions, including cast iron, cast steel, and stainless steel (SS304, SS410, etc.).
6. Seal method: machinery seal and packing seal varieties available.

Main Application

This model centrifugal split case pump is suitable for use in power plant, mining, city, and coal-water feeding and discharging, farmland irrigation and drainage, and all hydraulic engineering.

S/SH Series split centrifugal pump Structure drawing



No.	Name	No.	Name
1	Pump barrel	12	Sleeve nut (right)
2	Pump cover	13	Bearing body
3	Pump spindle	14	Set bolt
4	Impeller	15	Bearing body gland
5	Double suction sealing ring	16	Coupling part
6	Axle sleeve	17	Round nut
7	Neck bush	18	Bearing gland (A)
8	Sealing water pipe	19	Sleeve nut (left)
9	Filler	20	Bearing retainer
10	Packing ring	21	Bearing gland (B)
11	Packing gland	22	End cap

Pump Performance

Pump model	Capacity		Head H (m)	Speed n (r/min)	power		EFF. (%)	(NPS H)r(m)	Impeller diameter (mm)	weight (kg)	
	m ³ /h	L/s			shaft power (kw)	matched (kw)					
8SH-6	180	50	100	2900	79.1	110	62	5.5	284	245	
200S95	234	65	93.5		85.0		71				
	288	80	82.5		88.6		73				
8SH-6A	160	44.5	85.1	2900	60.8	90	61	5.5	262	45	
200S95A	215	59.7	75.8		64.2		69				
	265	73.6	70.2		71.4		71				
8SH-9	213	60	69	2900	55	75	74	4.7	236	265	
200S63	288	80	62.5		61.3		80				5.5
	351	97.5	50		67.8		70.5				7
8SH-9A	180	50	54.5	2900	41	55	65	4.5	220	265	
200S63A	270	70	46		48.3		70				5.0
	324	90	37.5		51		65				6.2
8SH-13	216	60	48	2900	34.9	45	81	5.0	201	19	
200S42	288	80	41.3		38.1		85				6.4
	342	95	35		40.2		81				8.2
8SH-13A	198	55	43	2900	30.5	37	76	4.8	139	219	
200S42A	270	75	36		33.1		80				5.8
	310	86	31		34.4		76				7
10SH-6	360	100	71	1450	91.5	132	76	4	460	565	
250S65	486	135	85.1		109		79				
	612	170	56		129.6		72				
10SH-6A	342	95	61	1450	76.7	110	74	4	436	565	
250S65A	468	135	54		89.4		77				
	540	150	50		95		75				
10SH-9	360	100	42.5	1450	55.5	75	75	4	367	428	
250S39	486	135	38.5		61.5		83				
	612	170	32.5		67.7		80				
10SH-9A	324	90	35.5	1450	40.2	55	78	4	338	428	
250S39A	468	130	30.5		45.7		85				
	576	160	25		47.8		82				
10SH-13	360	100	27	1450	33.1	45	80	4	296	420	
250S24	486	135	23.5		36.2		86				
	576	160	19		36.4		82				
10SH-13A	342	95	22.2	1450	25.8	37	80	4	270	420	
250S24A	414	115	20.3		27.6		83				
	482	134	17.4		28.6		80				



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