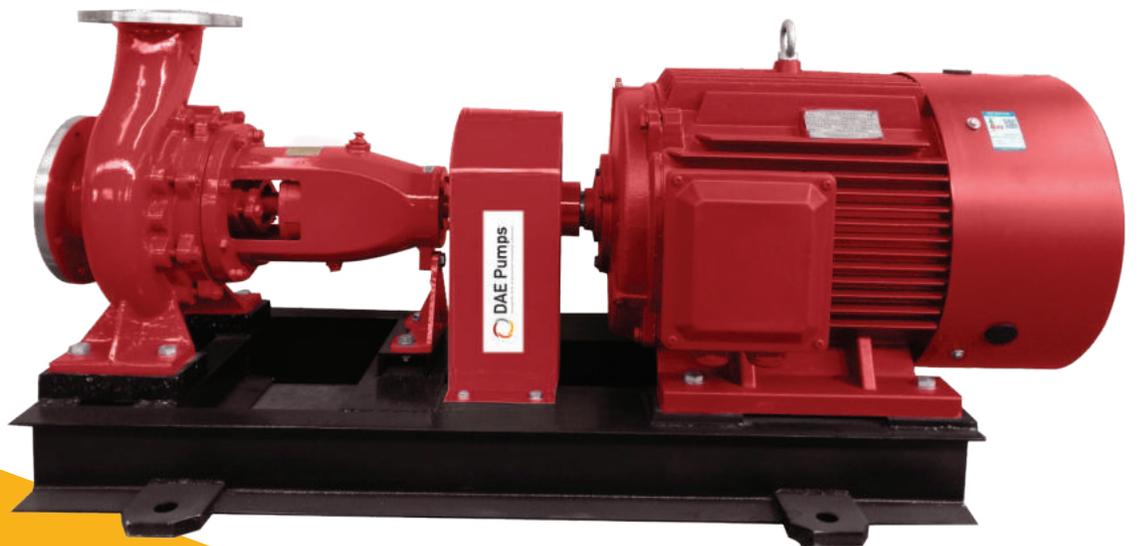


# SPW437

## Flooded Suction Pump



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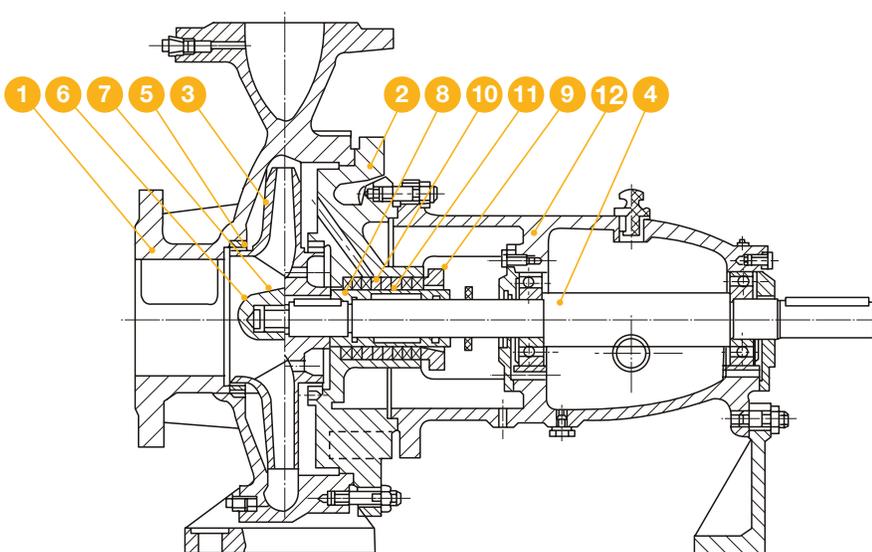
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## SPW437 FLOODED SUCTION PUMP

SPW437 a single-stage end-suction (axial intake) centrifugal pump is an energy-saving pump designed by teamwork in the whole nation, it is improved on a 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 whihc physical and chemical nature is similar to pure water, and the temperature should not be higher than 80.

## SPECIFICATION

Capacity:	68m <sup>3</sup> /h (300 GPM)	Packing seal:	460V/60hz/2ph or as customer's requirement
Head:	10m	Speed:	2900RPM and 1450RPM
Speed:	17500rpm	Suction:	50-200mm
NPSHr:	2.5m	3 Flow/Capacity:	6.3-400m/h
Motor Power:	5.5kw	Head:	5-125m
Inlet/outlet:	4/3inch		
Pump Material:	Cast iron		



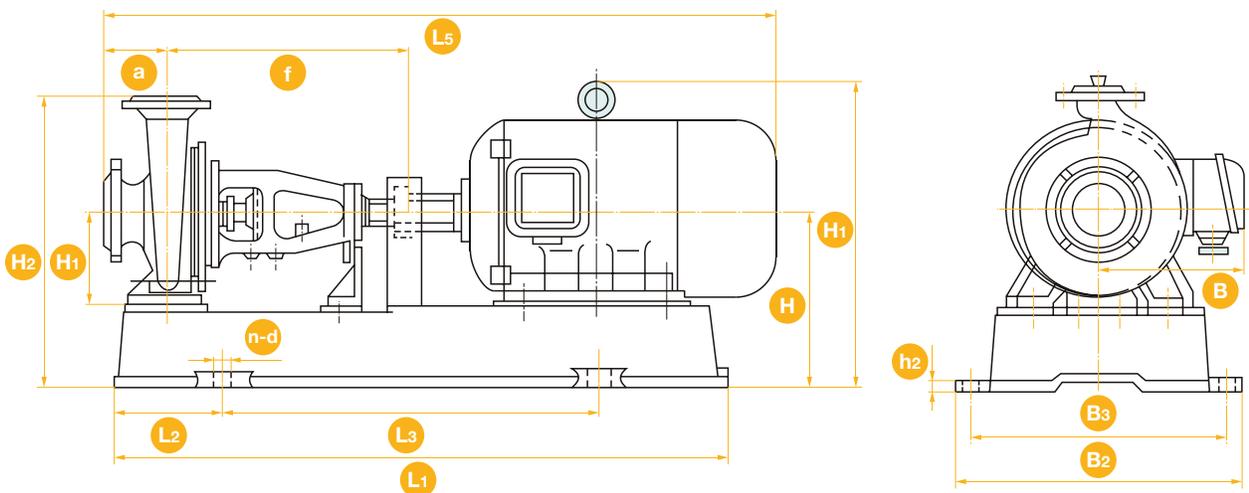
- 1 Pump casing**
- 2 Pump cover**
- 3 Impeller**
- 4 Shaft**
- 5 Sealing ring**
- 6 Impeller nut**
- 7 Lock washer**
- 8 Muff**
- 9 Packing gland**
- 10 Packing ring**
- 11 Packing**
- 12 Pendant bearing assembly**

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Model	Capacity		Head (m)	Speed (r/min)	Power (kW)		Eff. (%)	Impeller diameter (mm)	(NPSH) <sub>r</sub> (m)
	(m <sup>3</sup> /h)	(L/s)			Shaft	Motor power			
SPW437	60	16.7	36	2900	8.42	15	790	170	3.5
	100	27.8	32		11.2		78		4.0
	120	33.3	28		12.2		75		5.0

Model	Seat No./power (kw)	Out-form and installation dimension															
		L1	L2	L3	L4	a	f	L5	B1	B2	B3	h1	h2	H	H1	H2	n-d
SPW437	90L-4/1.5	1020	190	660	335	100	500	1035	155	450	400	160	30	235	435	335	4-φ24
	100L-4/2.2	1020	190	660	380	100	500	1080	180	450	400	160	30	235	435	380	4-φ24
	160M-2/15	1290	225	840	600	100	500	1300	255	540	490	160	30	270	470	495	4-φ24



## PUMP INSTALLATION

The installation quality results in an important factor to the pump's movement and duration, therefore installation and correction must be carefully carried out. Installation and correction.

- Have the pump's installation height, the pipeline length and diameter and the flowrate comply with the calculations and try best to reduce unnecessary loss.
- Use a bigger pipeline diameter for distance transportation. The pump pipeline should have a stand of its own and do not let the pipeline weight upon the pump to avoid it from pressed damage.
- Mount the check valve outside of the gate valve on the drain-out pipeline if required to mount it.

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