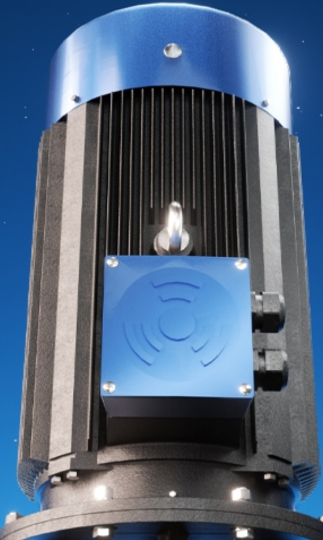
SINGLE-STAGE SINGLE-SUCTION CENTRIFUGAL PUMP



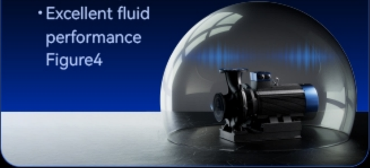
Six reasons

DRY ABRASION RESISTANCE

The machine seal can dry grind for more than 8 hours without water.

LOW NOISE

- Smooth operation
- Excellent fluid performance Figure4



STRONG PROTECTION

IP55 or above
protection level
Figure5

FAST SELF-PRIMING

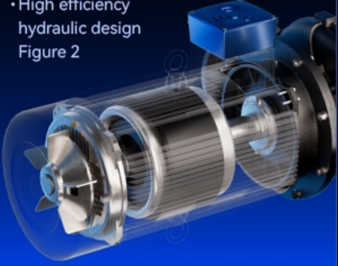
- Professional mechanical design
- Precision manufacturing

Figure3

ENERGY-SAVING

- Energy-saving electric motor
- High efficiency hydraulic design

Figure 2



Change machine seal less save money and trouble

machine seal is no longer CONSUMABLE

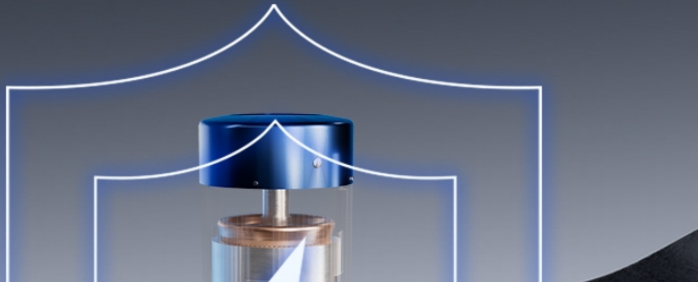
Not afraid of water dry grinding.Exclusive leak proof structure patent，ensure that the machine can be sealed and dried for more than 8 hours in the state of water shortage，reduce the machine seal replacement rating!

Reduce burn probability and extend life

reduce user purchase cost!

High temperature grease. Customized high temperature grease to match high temperature electric motor,it can reduce the probability of bearing damage and stuck caused by high temperature and over load!

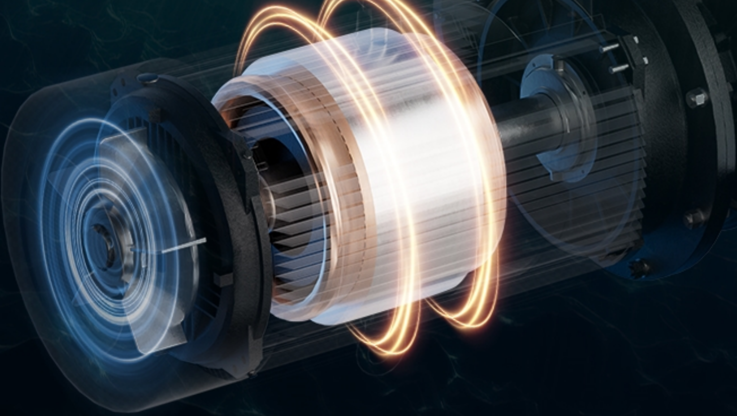
Class H electric motor.SEAD Class H insulated electric motor， increase the temperature resistance of the industry's common class F insulated electric motor from 150℃ to 180℃!



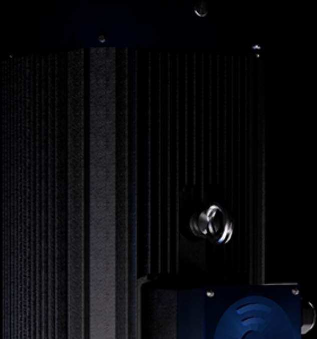
Enery-saving design relieved to use!

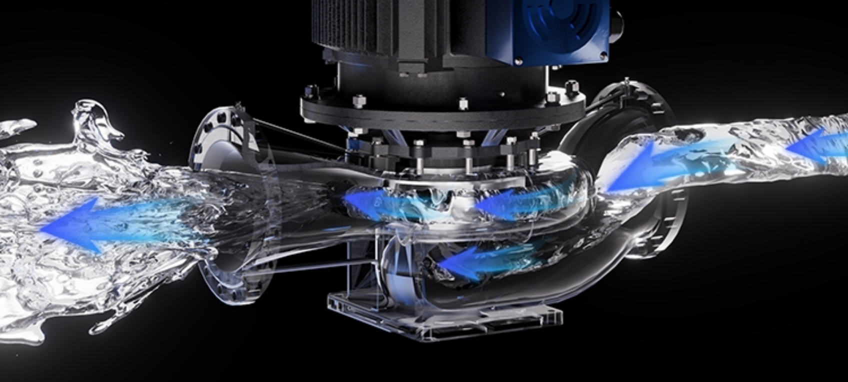
Reduce user costs!

High-efficiency energy-saving electric motor.GB standard motor, YE3/YE4 energy-saving motor,explosion-proof motor and variable frequency motor are optional，Ultra energy-saving， and can be used without concern!



Advanced hydraulic design. Advanced flow field LVD and PIV technology,CFD design for optimal water, it ensures the high energy efficiency of the





Super protection strong adaptability

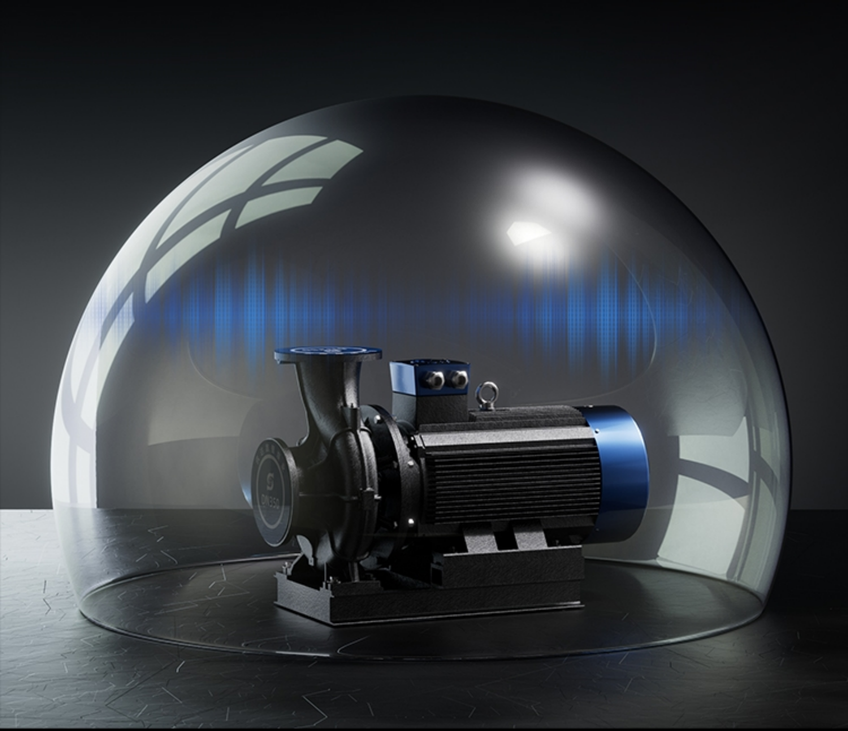
Can easily cope with harsh environments!

Class IP55.IP55 electric motor is waterproof and dust-proof. Regardless of outdoor wind and rain ,indoor dust and other harsh environment ,please feel free to use it!

Precision manufacturing
quiet work

Create a quiet environment !

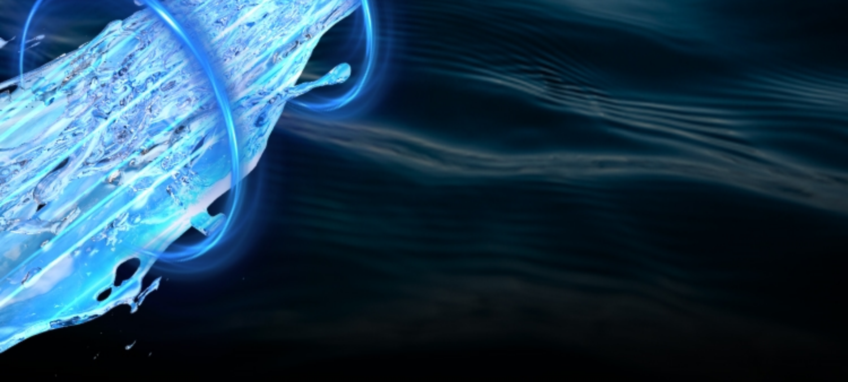
Digital manufacture. Structural design stability can reduce mechanical noise ,durable lubrication can reduce rotation noise , CFD design reduces fluid noise!



Strong self-suction
Pumping water quickly

Cure anxiety!

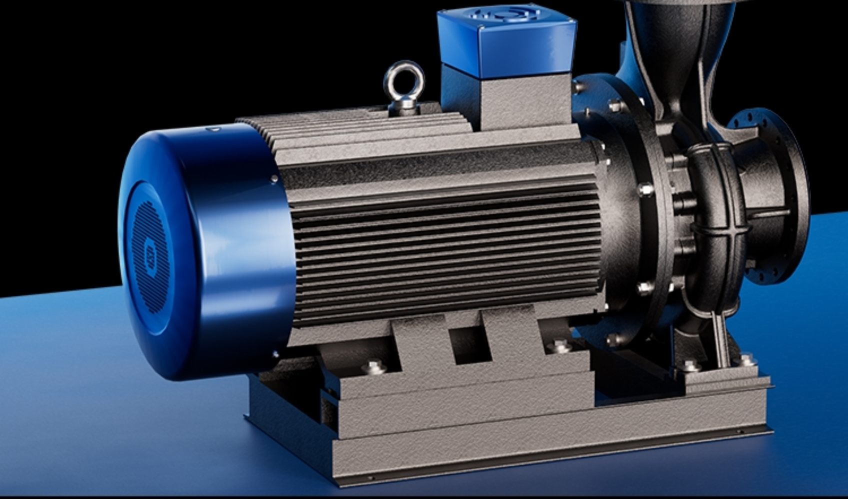
The small impeller clearance.High precision and dynamic equilibrium can ensure the best clearance between the impeller and the water inlet or baffle tongue to improve its own performance!



Spray coating,environment protection and anti-corrosion!

Stunning visual effects!

Anti-corrosion and wear resistance.Spray color variety,coating adhesion,corrosion resistance,aging resistance and nontoxic volatilization.It can be washed as new in the rain!



Flexible application

Two forms of worry-free choice

Two models are available, vertical and horizontal, to meet the needs of different users and different scenarios.

DN350
DN350

Application scenarios

Single-stage single-suction centrifugal pump is a common fluid transfer equipment, which is widely used in many fields such as industry, construction, agriculture and municipal, and the following are some specific application scenarios:

Industrial sector

Part-time field

Agriculture

Municipal sector

Energy sector

Metallurgical field

环保领域

Petroleum industry

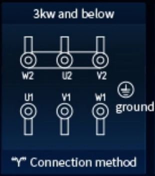
Selection guide

PUMP SERIES		BASIC TYPE	WEAR-RESISTANT TYPE	INTELLIGENT TYPE
APPEARANCE	Product color	Dark black +Deep sea blue	Dark black +Deep sea blue	Dark black +Deep sea blue
	Installation dimension	See product description for details	See product description for details	See product description for details
	Product packaging	Plywood box (yellow)/Carton	Plywood box(white)	Plywood box(white)
CONFIGURATION	Electrical motor	GB standard	GB standard / Energy-saving	Variable frequency / Energy-saving
	Bearing	C&U	C&U/ NSK/SKF	C&U/ NSK/SKF
	Shaft	304 stainless steel	304 stainless steel	304 stainless steel
	Machine seal	Ordinary	Dry abrasion-resistant	Dry abrasion-resistant
	Materials	Cast iron	Cast iron/ QT450/304#	Cast iron/ QT450/304#
Parameter	Pump efficiency			
	Energy efficiency	IE1	IE2	IE2
	Insulation	Class F	Class H	Class H
	Grease temperature	-20 ~ +150℃	-20 ~ +180℃	-20 ~ +180℃
	Protection class	IP55	> IP55	> IP55
	Noise	<	<	<
After-sales service		Whole machine is guaranteed for 2 years Consumable parts warranty for 1 year		

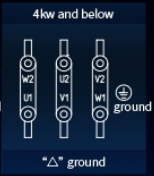
Kind tips

Warning: Make sure the power is disconnected before removing or adjusting the junction box and the pump.The external power switch connected to the pump motor has a minimum electrode gap of 3mm.

The voltage and frequency of the power supply should conform to the indicated value on the pump nameplate to ensure that the power supply meets the requirements of use. Install and ground accurately according to the wiring method indicated on the junction box (shown on the right).


3kw and below

"Y" Connection method

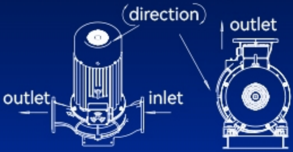

4kw and below

"△" ground

Note: Recommended 11kw and below starts directly, 11-75kw starts with Star-Delta Starting mode, 75-400kw starts with Soft Starting mode. In addition, the 45-200kw can also start with Autotransformer Start mode. The starting method is not unique, please consult a professional.

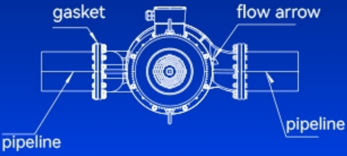
(Two)Rotation direction check

Seen from the fan cover, the rotating arrow rotates clockwise, As shown at right.



Caution!

Do not start the pump to check the direction of motor rotation until the pump boby is filled with liquid and removes air

Before connecting the pump to the pipe, the direction must first be determined by the flow arrow on the pump head. To ensure the tightness of the pipeline connection, please install rubber washer or other sealing material between flanges. As shown at right.