

## Product overview

Diesel (gasoline) irrigation pump, also known as irrigation self-priming pump, before the first start of the pump body need to add starting circulating water (liquid), before the first start of the water can be added to the pump inlet level. After starting, the water in the impeller enters the soda water separation chamber through the volute diffusion tube under the action of the impeller, and at the same time causes a vacuum at the inlet of the impeller, and the liquid at the lower end of the inlet pipe moves upward under the action of the free surface atmospheric pressure, which makes the pressure balance between the inlet of the impeller and the liquid surface from the inlet pipe. It is widely used for water intake for wells, long-distance water transportation in farmland, large-scale sprinkler irrigation in gardens, fire fighting water, fish pond breeding, etc.

## Product picture



Double impeller high pressure gasoline pump



New 15L large fuel tank 2/3/4 inch gasoline pump



Two-stroke gasoline pump



Four-stroke diesel high pressure pump



2/3/4 inch vertical electric start diesel pump



Mobile cart type diesel high pressure pump

## Performance parameter table

Engine	Engine Output	1.5-30kw
	Bore x stroke	86 x 70mm
	Displacement	406cc
	Compression ratio	19 : 1
	Type	Air-cooled, single cylinder, four-stroke
	Rated rotation speed	3000 / 3600rpm
	Oil capacity	1.65L (large capacity can be customized)
Pump	Inlet and outlet size	1.5" 2" 3" 4"
	Pump lift	28-100m
	Suction height	8m
	Displacement	9-96 m <sup>3</sup> /hour
	Starting system	Recoil start / Electric start
	Fuel tank capacity	2.5-5.5L
	Noise level	94db

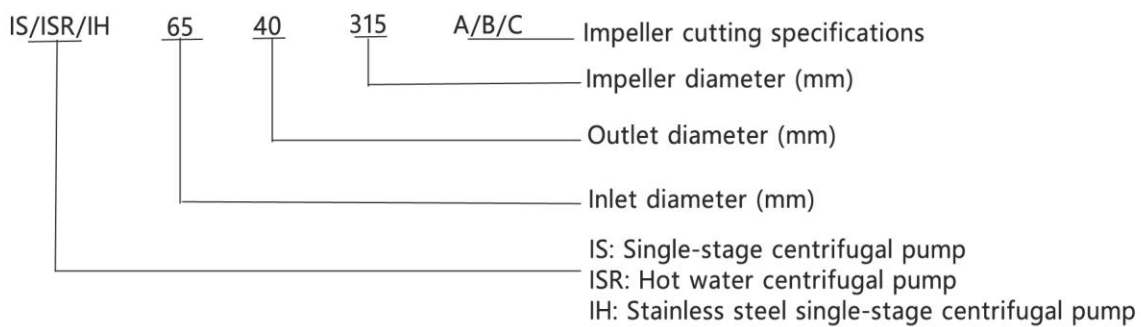
## Product overview

IS-type centrifugal irrigation pump is a single-stage single-suction (axial suction) centrifugal pump, which is used to transport clear water with a temperature lower than 80°C or other liquids whose physical and chemical properties are similar to clear water.

Mainly suitable for irrigation of farmland, gardens, nurseries, industrial and urban water supply, drainage, long-distance water delivery, etc.

Convenient maintenance: There is no need to dismantle the pump body, suction pipeline, and discharge pipeline during maintenance. You only need to remove the screws connecting the pump body and the pump cover to perform the maintenance.

## Model meaning



## Product picture



Electric drive



Diesel drive (single-cylinder/four-cylinder)

Can be customized mobile type, cart type with rain cover

## Performance parameter table

Types	Capacity Q		Head H (m)	Speed N (r/min)	Power (kw)		Efficiency $\eta$ (%)	NPSH (m)	Weight (kg)
	m <sup>3</sup> /h	L/s			Shaft power	Motor power			
IS/ISR/IH	5.4-460	1.5-127.8	4-127	1450-2900	0.16-102	1-150	28.5-87	2-5	65-1525



## Product overview

HW type mixed flow irrigation pump is horizontal, single stage, single suction, front and rear door opening structure, cantilever type mixed flow pump. Its structure is simple, reliable in use, convenient to assemble and disassemble, small in size, light in weight, large in flow, and high in efficiency. Transmission mode: There are two types of direct drive and belt drive. Commonly used power machines are electric motors and diesel engines. It is suitable for transporting clean water or other liquids whose physical and chemical properties are similar to water.

The temperature of the transported liquid should not be higher than 50°C. It is widely used in farmland irrigation and drainage, gardens, sprinkler irrigation in nurseries, industrial and urban water supply and drainage and other occasions.

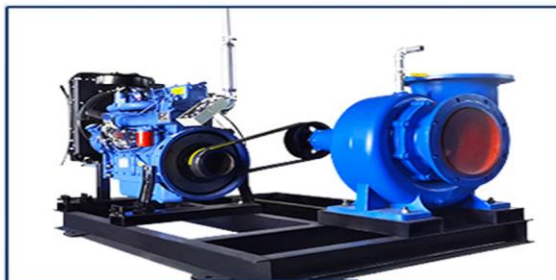
## Product picture



Direct drive of diesel engine



Direct drive of motor



Diesel engine belt drive



Motor belt drive



With vacuum pump



With tractor

## Performance parameter table

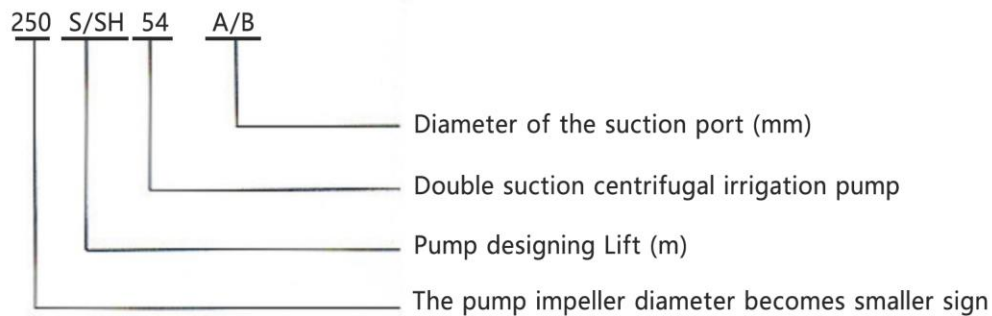
Types	Capacity Q		Head H (m)	Speed N (r/min)	Power (kw)		Efficiency $\eta$ (%)	NPSH (m)	Weight (kg)
	m <sup>3</sup> /h	L/s			Shaft power	Motor power			
HW	68-5000	19-1389	3-15.8	450-2900	2.42-171	4-250	80-90	2.7-6	30-1800

## Product overview

S, SH type double-suction irrigation pump is a single-stage, double-suction, horizontal split centrifugal pump with pump casing. It is used to transport clean water and liquids with physical and chemical properties similar to water. The temperature of the medium is 80°C. If cooling water is passed through the bearings at both ends, the temperature of the medium can reach 130°C.

The bearings of the pump generally use soft packing. If there are special order requirements, mechanical seals can be installed. The double-suction irrigation pump has the characteristics of high lift and large flow, and has been widely used in engineering, such as farmland, garden irrigation, power station water supply and drainage, flood drainage and large-scale water conservancy projects.

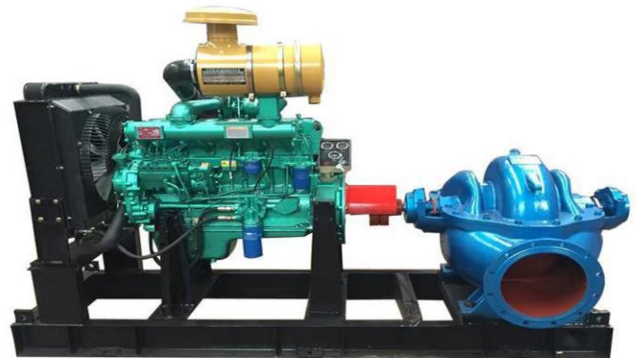
## Model meaning



## Product picture



Electric drive



Diesel drive (single-cylinder/four-cylinder)

## Performance parameter table

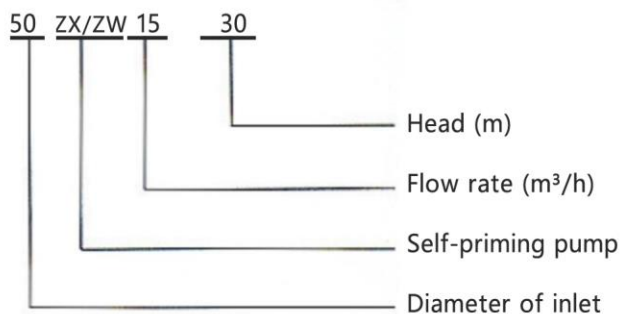
Types	Capacity Q		Head H (m)	Speed N (r/min)	Power (kw)		Efficiency $\eta$ (%)	NPSH (m)	Impeller diameter (mm)	Weight (kg)
	m <sup>3</sup> /h	L/s			Shaft power	Motor power				
S/SH	111-2448	31-655	8.7-108	960-2900	15.4-716	22-850	67-87.2	2.5-8.2	186-860	155-4324

## Product overview

ZX and ZW series self-priming centrifugal pumps have no check valve, and have the simplest structure; the most reliable work; trouble-free, long working hours, convenient maintenance, use, small size, light weight, and high efficiency. Self-priming centrifugal pumps are more effective as emergency pumps in industrial and agricultural production, emergency rescue, such as flood drainage and fire fighting. It is widely used in farmland irrigation, garden sprinkler irrigation, chemical plant, transportation and other industrial sectors, urban water supply, etc.

Equipped with a rocker sprinkler, the water can be washed into the air and sprayed into small raindrops. It is a good machine for farmland, nursery, orchard, and tea garden. It can be used with any filter press of any model and specification, and is an ideal matching pump for feeding slurry to the filter for press filtration.

## Model meaning



## Product picture



Electric drive (split/direct connection)



Diesel drive (single-cylinder/four-cylinder)

## Performance parameter table

Types	Capacity		Head (m)	Suction (m)	performance (min/5m)	Speed (r/min)	Power (kw)
	(m <sup>3</sup> /h)	(L/s)					
ZX/ZW	3.2-800	0.9-223	15-80	5.5-6.5	1.3-3.4	1450/2900	1-180