

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

CENTRIFUGAL PUMP

PVHB350-20 Marine Vertical Centrifugal Ballast Water Pump

ISO9001 Supplier

Class Certificate

Export Supply

Product Overview CLHB PVHB detachable marine centrifugal pump is a newly developed and technologically advanced detachable vertical centrifugal pump based on the IS pump and ISG vertical pump, combined with advance...



Key Highlights

Category	Centrifugal Pump
Standard	ISO
Material	Material Performance parameter Pump casing QT450 Capacity 1200 m3/h Impe...
Weight / Size	Material Performance parameter Pump casing QT450 Capacity 1200 m3/h Impe...
Certificate	CCS BV ABS LR

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Centrifugal Pump	Model / SKU	PVHB350-20-Marine-Vertical-Centrifugal-Ballast-Water-Pump
Standard	ISO	Material	Material Performance parameter Pump casing QT450 Capacity 1200 m3/h Impeller ZCuSn3Zn8Pb6Ni Head 20 III Pump shaft SUS316 Speed 1760 r/min Sealing Mechanicl seal Suction height 2 III Flange standard Motor Power 90 Kw Voltage 440V/60 Hz Protection level IP56 F Explosion proof grade Exd II BT4 Class CCS ABS BV Pump weight 576 Kg Nature of data Authorized information Motor weight 550 Kg
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Warranty	12 Months unless specified otherwise	Origin	China

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Product Overview

CLHB PVHB detachable marine centrifugal pump is a newly developed and technologically advanced detachable vertical centrifugal pump based on the IS pump and ISG vertical pump, combined with advanced foreign technology and years of production experience of our company and valuable experience of our customers. This series of products has been tested and certified as qualified by the Zhenjiang Branch of the National Pump Product Testing Center. This series of products fills the domestic gap, and its comprehensive performance reaches the modern advanced level of similar international products. This series of products is designed and manufactured strictly in accordance with international ISO2858.



This series of products boldly breaks through the design as a whole. The pump shaft adopts an independent support body, solving the shortcomings of the original ISG and ISW pump extended shaft supported by motor bearings. The impeller and pump body are designed and manufactured using modern excellent hydraulic models, eliminating the axial and radial forces of vertical pumps. The bearings at the pump shaft and motor bearings are only subjected to weak axial and radial forces. The motor adopts the Y series standard motor, and the entire pump adopts a detachable structure, solving the problem of inconvenient replacement of vulnerable parts such as bearings, mechanical seals, and impellers for high-power pumps.

Compared with current domestic products, this series of pumps has irreplaceable advantages such as smoother operation, longer service life, more convenient matching, and easier maintenance. It is the most ideal product to replace conventional centrifugal pumps such as ISG vertical pumps, IS centrifugal pumps, and S-type double suction pumps.

Pump performance range:

Rated flow $Q_n=4.4\text{m}^3/\text{h}\sim 1450\text{m}^3/\text{h}$;

Rated pressure $P_n=0.125\text{MPa}\sim 1.25\text{MPa}$ (head 1.25m~125m);

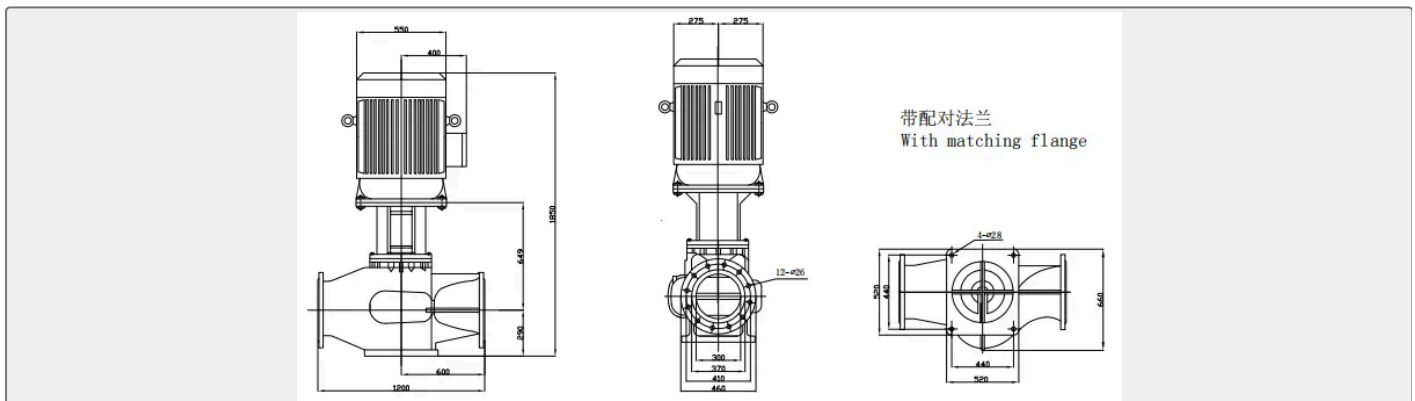
Rotating speed $n=2900\text{r}/\text{min}$, 1450r/min, 970/min;

The maximum working pressure of the pump $P \leq 1.6\text{MPa}$ ($P=P_0+P_n$)

(P_0 is the pump inlet pressure)

Pump inlet and outlet diameter 40mm~350mm

Technical data:



Material		Performance parameter	
Pump casing	QT450	Capacity	1200 m ³ /h
Impeller	ZCuSn3Zn8Pb6Ni	Head	20 III
Pump shaft	SUS316	Speed	1760 r/min
Sealing	Mechanical seal	Suction height	2 III
Flange standard	Motor Power	90 Kw	
Voltage	440V/60 Hz		
Protection level	IP56 F		
Explosion proof grade	Exd II BT4		

Class	CCS ABS BV	Pump weight	576 Kg
Nature of data	Authorized information	Motor weight	550 Kg