A型、B型、C型 立式多级凝结水泵

Vertical Multi -stage Condensate Pump with Barrel

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湖南湘电长沙水泵有限公司 CB
HUNAN XEMC CHANGSHA PUMP WORKS CO.,LTD.

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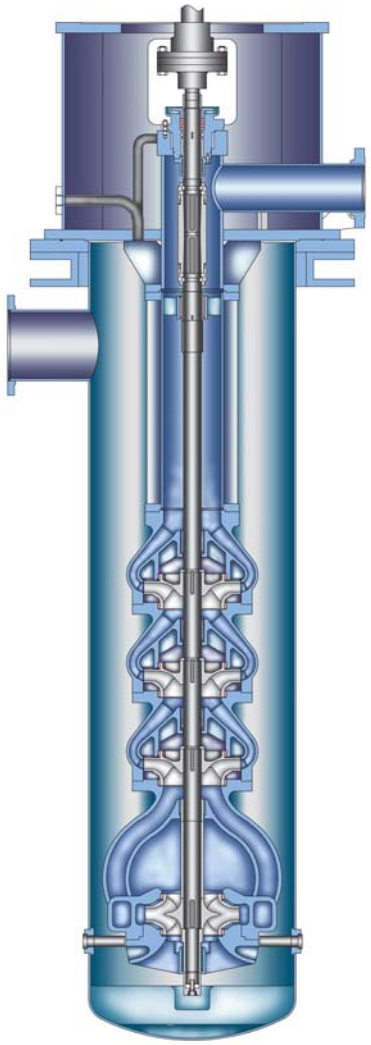


立式多级凝结水泵结构图

Vertical Multi -stage Condensate Pump with Barrel

概述

立式多级外筒型冷凝泵，是湘电长沙水泵厂引进日本国株式会社日立制作所的先进技术而发展起来的新型节能产品。可广泛适用于125、145、200、300、600、1000MW火力发电机组的冷凝器抽送凝结水。同时也可用于高吸入性能、高效率、高扬程等要求的给排水工程。

输送液体温度不高于80℃。

参数范围

流量Q：170～2400m³/h

扬程H：69～346m

产品特性

1. 高吸入性, 即具备良好的汽蚀性能。
2. 具有立式、封闭外筒型结构的负压对策。
3. 泵的效率好，有稳定又平缓的流量—扬程曲线。
4. 小型化程度高，结构紧凑，占地面积小。
5. 运行可靠性高，结构合理，便于装拆维修。

型号说明

本系列冷凝泵所包含的泵型号有：

A450-3~8 A460-2~8 A480-2~7 A490-2~7

B440-3~10 B480-3~8 B520-2~8 B550-2~7 B600-2~6

B640-2~5 C590-2~6 C630-1~6 C680-1~5 C720-1~4

C780-1~4

其中：

1. A系列泵供小流量区域选型：（170~270m³/h）

   B系列泵供中等流量区域选型：（240~920m³/h）

   C系列泵供大流量区域选型：（820~2400m³/h）

2. A型泵结构为：首级双吸叶轮导叶型泵体，次级为单吸导叶型

   B型泵结构为：首级双吸叶轮螺旋型泵体，次级为单吸导叶型

   C型泵结构为：首级双吸叶轮螺旋型泵体，次级为单吸导流型

例如：B640-2

B-泵的型式分类

640-导叶叶片外径的名义尺寸（mm）

2-泵的级数（或叶轮个数）

结构说明

1. 安装方式（参考泵结构图）

泵为单基础结构，即外筒体与安装板相联位于基础层下的地坑里，而吐出弯管悬吊转子与安装板相联，电机则垂直安装在吐出弯管上，与泵刚性联接或弹性联接。

General

Vertical multi-stage condensate pump with barrel is a new energy-saving product based on the advanced technology which has been introduced from Hitachi Co., Ltd. in Japan. They are used for handling condensate water from condenser in 100MW, 125MW(145MW), 200MW, 300MW, 600MW and 1000MW power stations, water supply & drainage project with high suction performance, high efficiency and high head. The temperature of the liquid is not over 80℃.

Performance range:

Capacity Q: 170 ~ 2400m³/h

Head H: 69 ~346m

Features of our products:

1. High pumping performance, that is with favorable NPSH
2. With vertical, sealed barrel construction capable of loading negative pressure.
3. High efficiency with a stable & level Capacity-Head Performace Curve.
4. High grade in small - sized products, tight construction and limited land area.
5. Better security on operation, reasonable construction, easy for dismantling and maintenance.

The description of pump type:

Types for these series of condensate pump as follows:

A450—3 ~ 8 A460—2 ~ 8 A480—2 ~ 7 A490—2 ~ 7

B440—3 ~ 10 B480—3 ~ 8 B520—2 ~ 8 B550—2 ~ 7 B660—2 ~ 6

C640—2 ~ 5 C590—2 ~ 6 C630—1 ~ 6 C680—1 ~ 5 C720—1 ~ 4

C780—1 ~ 4

Among which:

1.Series A suitable for small capacity (170 ~ 270m³/h).
Series B suitable for middle capacity (240 ~ 920m³/h).
Series C suitable for large capacity (820 ~ 2400m³/h).

2.The construction of series A is double—suction impeller guiding vane casing for the first stage, single—suction impeller guiding vane casing for next stage.
The construction of series B is double—suction impeller screw casing for the first stage, single—suction impeller guiding vane casing for next stage.
The construction of series C is double—suction impeller screw casing for the first stage, single—suction impeller mixed flow casing for next stage.

For example: B640—2

B — Pump type.

640 — Nominal dimension for outside diameter of diffuser vane (mm).

2 — Pump stage number (impeller number).

Construction:

1.Mode of installation (refer to sectional arrangement figure of The pump is single foundation construction,its barrel is connected

2. 泵的吸水室为密闭的外筒体内腔，外筒体上的吸入口位于基础层下的地沟里并与冷凝器排水管相联接；而泵的吐出口在安装板上部的吐出弯管上。其吸入和吐出口方向均为水平方向。

3. 位于外筒体内的吸入喇叭口、吸入段（泵体）、中段、导叶、泵盖、密封环、轴承、吐出段等通过穿杠、压水接管联接成为泵本体而悬吊在吐出弯管之下。

4. 泵的转子部件由首级叶轮、次级叶轮、轴套、锁紧螺栓、间隔套、挡套、套筒联轴器、轴套螺母、泵联轴器、主轴等组成。

5. 根据流量要求及吸入条件，首级叶轮为双吸形式，而次级则为单吸导叶型或单吸斜流型。

6. 泵的轴承均为套筒式铜合金滑动轴承，其润滑液为自身输送液。

7. 泵的轴向力通过刚性联轴器由电机承受，或泵与电机通过弹性联接，轴向推力由泵本体承受。

8. 泵的轴封有填料密封和机械密封两种型式。轴封装置外部设有减压管，填料函体下端的高压部位设有减压套。同时，泵外部还配置有轴封水配管系统。

9. 为平衡外筒体吸入内腔与冷凝器内的压力，排出吸入室内气体，改善和稳定吸入性能，在冷凝器与吸水室之间设有平衡管系统。

旋转方向

从电动机往泵看，泵逆时针方向旋转。

主要零件材质

外筒体：Q235-A/不锈钢

叶轮： 不锈钢

轴： 45钢

壳体： QT450-10

成套范围

成套供应泵、立式电动机。

订货时需注明主要零（部）件材质，若有特殊要求，请与本公司协商有关技术要求。

with mounting plate and located in the pit under the foundation, the discharge elbow with the rotor elements hung together is connected with mounting plate. The motor is vertically mounted on the discharge elbow and connected with pump rigidly or flexibly.

2.The suction chamber of the pump is tightly enclosed barrel—bore. The inlet on the barrel is located in pit under the foundation, and connected with drainage pipe of condenser. The outlet is above the mounting plate. The inlet and the outlet of pump is horizontal direction.

3.The parts in the barrel including suction bell, suction stage (casing), mid—stage , diffuser, pump cover, wearing ring, bearing and discharge stage are connected through levers and water—pressure connecting pipes as the pump itself, it is hung under the discharge elbow.

4.The rotor elements of pump consist of first and second stage impeller, shaft sleeve, lock bolt, spacer sleeve, sleeve, coupling, shaft—sleeve nut, pump coupling and shaft, etc.

5.According to capacity and inlet condition, the first — stage impeller is double—suction type, the next stage impeller is single—suction diffuser vane type or single—suction mixed flow type.

6.The pump uses sliding bearings of cast bronze alloy, the bearings get lubricated with delivering liquid of its own.

7.The axial thrust of pump is carried by motor through rigid coupling. When the pump and the motor are connected through flexible coupling, the axial thrust is carried by pump itself.

8.The shaft seal of pump is either packing seal or mechanical seal. The outside of shaft seal device establishes decompression pipes, the lower of stuffing box, i.e. high— pressure position assembles a depression brush. The pump has an external water system for shaft seal.

9.The balance pipe system is set up to balance the pressure between inside of the barrel and that of the condenser, to drain air from suction casing and make better and stable the suction property.

The rotation of pump rotor

The rotation of pump rotor is counter clockwise looking from the motor to the pump.

The material of main parts of pump

Barrel casing: Carbon steel Q235-A / Stainless Steel.

Impeller: Stainless steel.

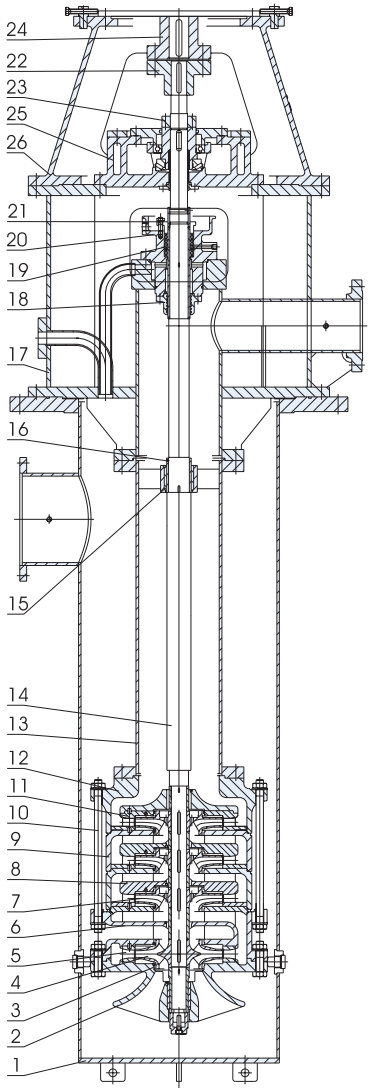
Shaft: High-quality carbon steel No.45.

Pump casing: Nodular cast iron No.QT450-10.

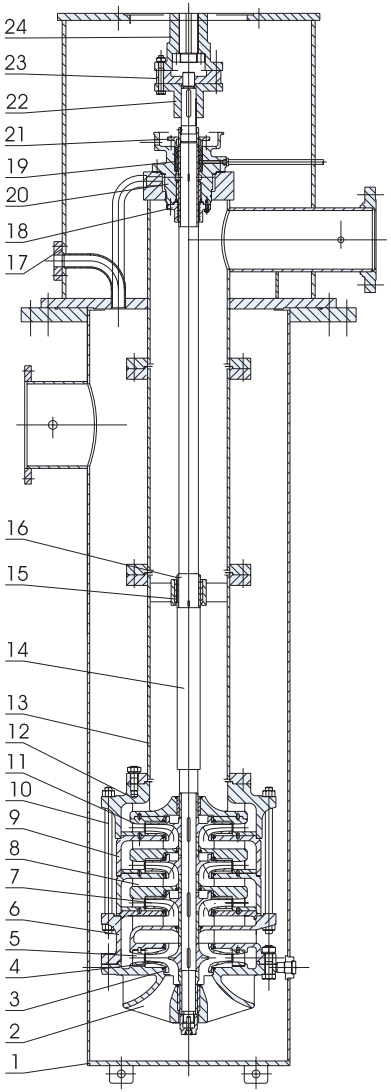
Complete provision range

pump and vertical motor.

Please give indication of the material of main parts in contract. If you have any special requirement, please contact us without hesitation.



轴向推力由泵本体承受
Axial thrust is carried by pump itself.



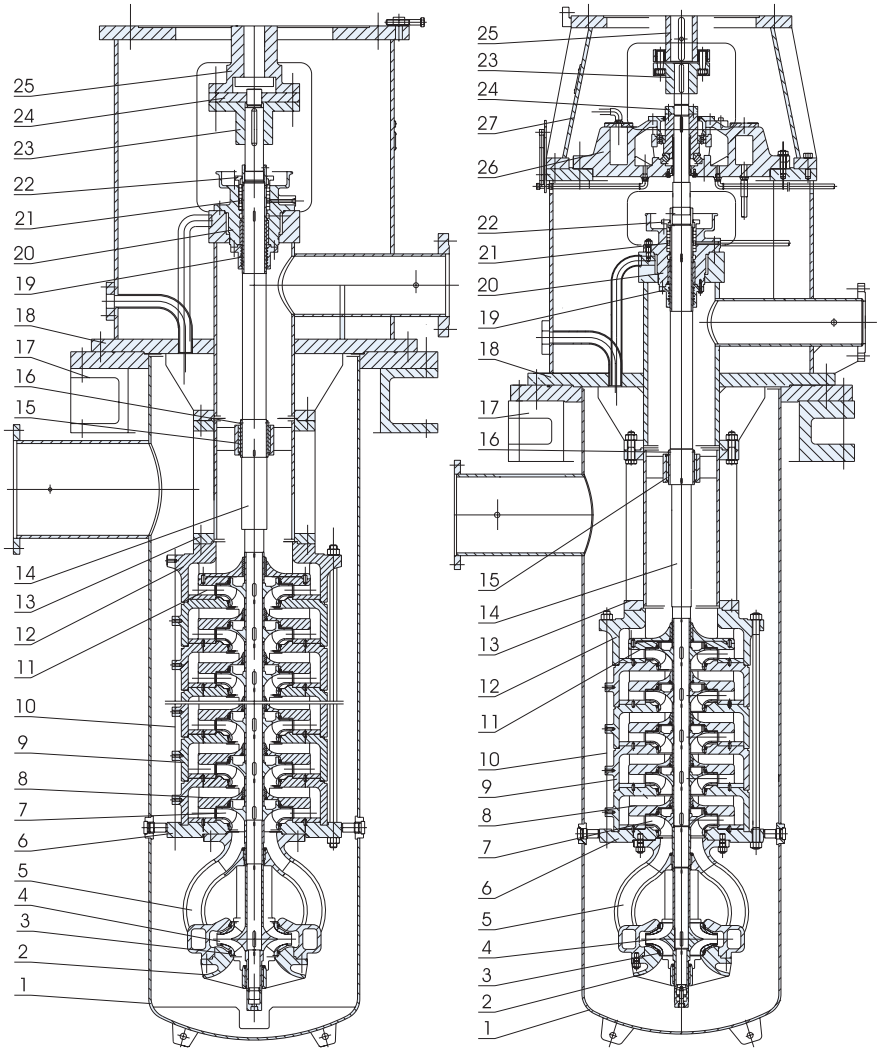
轴向推力由电机承受
Axial thrust is carried by motor.

立式多级凝结水泵A型泵结构图

Sectional Arrangement Figure for Type A Vertical Multi-stage Condensate Pump With Barrel

主要零件清单（A型） Main Parts List(Type A)

序号 NO.	零 件 名 称	Parts Name	标 准 材 料	Standard Material
1	外筒体	Barrel Casing	碳钢	Carbon Steel
2	吸入喇叭口	Suction Bell	灰铸铁	Gray Iron
3	密封环	Wearing Ring	铜合金	Copper Alloy
4	首级叶轮	Impeller (Suction)	不锈钢	Stainless Steel
5	首级导叶	Diffuser Vane	灰铸铁	Gray Iron
6	泵体	Casing (Suction)	球墨铸铁	Nodular Cast Iron
7	次级叶轮	Next-stage Impeller	不锈钢	Stainless Steel
8	导叶	Diffuser Vane	灰铸铁	Gray Iron
9	中段	Stage Casing	球墨铸铁	Nodular Cast Iron
10	拉杆	Tension Rod	不锈钢	Stainless Steel
11	末级导叶	Diffuser Vane	灰铸铁	Gray Iron
12	吐出段	Discharge casing	球墨铸铁	Nodular Cast Iron
13	压水接管	Column Pipe	碳钢	Carbon Steel
14	轴	Shaft	碳钢	Carbon Steel
15	轴承	Shaft Bearing	铜合金	Copper Alloy
16	轴套	Shaft Sleeve	不锈钢	Stainless Steel
17	吐出弯管	Discharge Elbow	碳钢	Carbon Steel
18	减压套	Pressure-reducing Bush	不锈钢	Stainless Steel
19	填料环	Packing Ring	灰铸铁	Gray Iron
20	填料函体	Stuffing Box	灰铸铁	Gray Iron
21	填料压盖	Packing Gland	铜合金	Copper Alloy
22	泵联轴器	Pump Coupling Parts	灰铸铁	Gray Iron
23	调整螺母	Adjustable Nuts	碳钢	Carbon Steel
24	电机联轴器	Motor Coupling	灰铸铁	Gray Iron
25	推力轴承部件	Thrust Bearing Parts	灰铸铁	Gray Iron
26	电机支座	Motor Support	灰铸铁	Gray Iron



轴向推力由电机承受
Axial thrust is carried by motor.

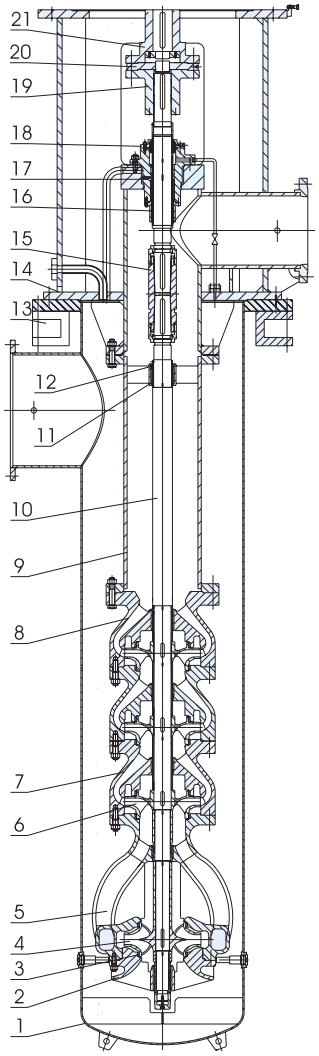
轴向推力由泵本体承受
Axial thrust is carried by pump itself.

立式多级凝结水泵B型泵结构图

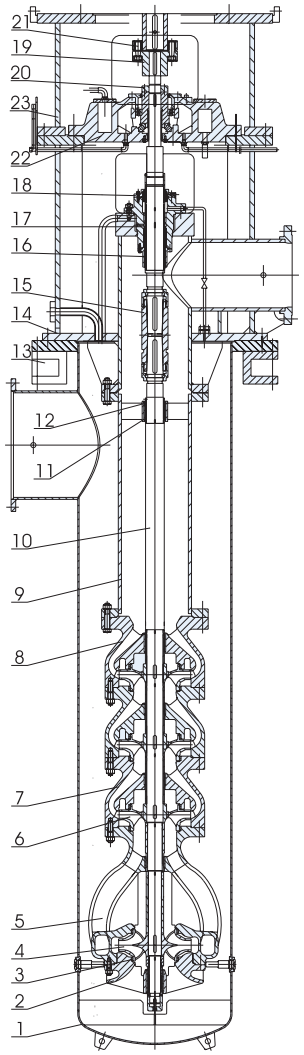
Sectional Arrangement Figure for Type B Vertical Multi-stage Condensate Pump With Barrel

主要零件清单（B型） Main Parts List(Type B)

序号 NO.	零 件 名 称	Parts Name	标 准 材 料	Standard Material
1	外筒体	Barrel Casing	碳钢	Carbon Steel
2	吸入喇叭口	Suction Bell	灰铸铁	Gray Iron
3	密封环	Wearing Ring	铜合金	Copper Alloy
4	首级叶轮	Impeller (Suction)	不锈钢	Stainless Steel
5	泵体	Casing (Suction)	灰铸铁	Gray Iron
6	盖板	Cover	球墨铸铁	Nodular Cast Iron
7	次级叶轮	Next-stage Impeller	不锈钢	Stainless Steel
8	导叶	Diffuser Vane	灰铸铁	Gray Iron
9	中段	Stage Casing	球墨铸铁	Nodular Cast Iron
10	拉杆	Tension Rod	不锈钢	Stainless Steel
11	末级导叶	Diffuser Vane	灰铸铁	Gray Iron
12	吐出段	Discharge Casing	球墨铸铁	Nodular Cast Iron
13	压水接管	Column Pipe	碳钢	Carbon Steel
14	轴	Shaft	碳钢	Carbon Steel
15	轴承	Bearing	铜合金	Copper Alloy
16	轴套	Shaft Sleeve	不锈钢	Stainless Steel
17	安装垫板	Mounting Plate	灰铸铁	Gray Iron
18	吐出弯管	Discharge Elbow	碳钢	Carbon Steel
19	减压套	Pressure-reducing Bush	不锈钢	Stainless Steel
20	填料函体	Stuffing Box	灰铸铁	Gray Iron
21	填料环	Packing Ring	灰铸铁	Gray Iron
22	填料压盖	Packing Gland	铜合金	Copper Alloy
23	泵联轴器	Pump Coupling Parts	灰铸铁	Gray Iron
24	调整螺母	Adjustable Nuts	碳钢	Carbon Steel
25	电机联轴器	Motor Coupling	灰铸铁	Gray Iron
26	推力轴承部件	Thrust Bearing Parts	灰铸铁	Gray Iron
27	电机支座	Motor Support	灰铸铁	Gray Iron



轴向推力由电机承受
Axial thrust is carried by motor.



轴向推力由泵本体承受
Axial thrust is carried by pump itself.

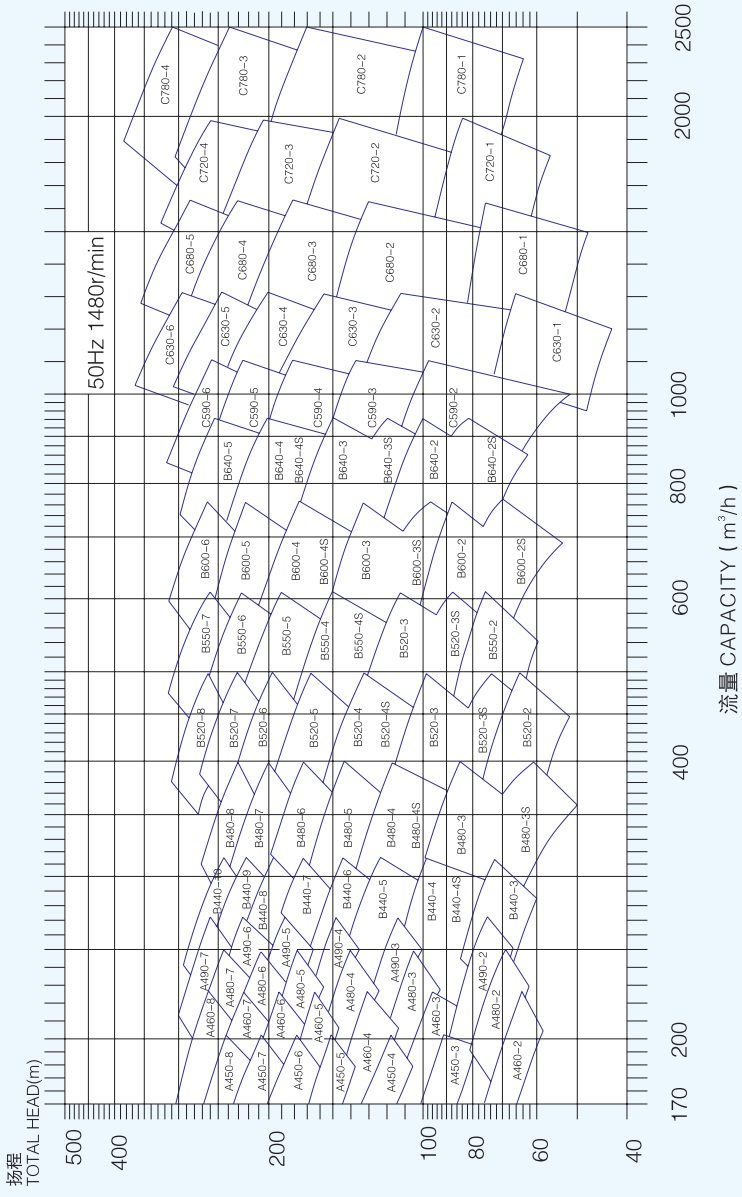
立式多级凝结水泵 C型泵结构图

Sectional Arrangement Figure for Type C Vertical Multi-stage Condensate Pump With Barrel

主要零件清单（C型）Main Parts List(Type C)

序号 NO.	零 件 名 称	Parts Name	标 准 材 料	Standard Material
1	外筒体	Barrel Casing	碳钢	Carbon Steel
2	吸入喇叭口	Suction Bell	灰铸铁	Gray Iron
3	密封环	Wearing Ring	铜合金	Copper Alloy
4	首级叶轮	Impeller (Suction)	不锈钢	Stainless Steel
5	泵体	Casing (Suction)	灰铸铁	Gray Iron
6	次级叶轮	Next-stage Impeller	不锈钢	Stainless Steel
7	导叶	Diffuser Vane	球墨铸铁	Nodular Cast Iron
8	末级导叶	Diffuser Vane	球墨铸铁	Nodular Cast Iron
9	压水接管	Column Pipe	碳钢	Carbon Steel
10	轴	Shaft	碳钢	Carbon Steel
11	轴承	Bearing	铜合金	Copper Alloy
12	轴套	Shaft Sleeve	不锈钢	Stainless Steel
13	安装垫板	Mounting Plate	灰铸铁	Gray Iron
14	吐出弯管	Discharge Elbow	碳钢	Carbon Steel
15	套筒联轴器部件	Parts of Muff Coupling	不锈钢	Stainless Steel
16	减压套	Pressure-reducing Bush	不锈钢	Stainless Steel
17	机封函体	Mechanical Sealing Box	灰铸铁	Gray Iron
18	机械密封部件	Mechanical Sealing Parts		
19	泵联轴器	Pump Coupling Parts	灰铸铁	Gray Iron
20	调整螺母	Adjustable Nuts	碳钢	Carbon Steel
21	电机联轴器	Motor Coupling	灰铸铁	Gray Iron
22	推力轴承部件	Thrust Bearing Parts	灰铸铁	Gray Iron
23	电机支座	Motor Support	灰铸铁	Gray Iron

泵型谱图 Performance Charts



性能参数 Performance Data

型号 Type / 参数 Parameter	流量 Capacity Q	扬程 Head H	转速 Speed n	效率 Eff. η	必需汽蚀余量 (NPSH)r	功率 Power Pa	备注 Remark
	(m^3/h)	(m)	(r/min)	(%)	(m)	(Kw)	
A450—3	180	97	1480	72	2.0	75	
A450—4	180	120	1480	72	1.7	110	
A450—5	180	161	1480	72	1.7	132	
A450—6	180	193	1480	72	1.7	150	
A450—7	180	226	1480	72	1.7	185	
A450—8	180	253	1480	72	1.7	200	
A460—2	200	69	1480	71	2.1	75	
A460—3	200	104	1480	72	2.1	90	
A460—4	200	138	1480	72	1.8	132	
A460—5	200	173	1480	72	1.8	160	
A460—6	200	207	1480	72	1.8	185	
A460—7	200	242	1480	72	1.8	220	
A460—8	200	276	1480	72	1.8	250	
A480—2	230	74	1480	72	2.2	75	
A480—3	230	111	1480	73	2.2	112	
A480—4	230	148	1480	73	1.9	160	
A480—5	230	185	1480	73	1.9	185	
A480—6	230	223	1480	73	1.9	220	
A480—7	230	260	1480	73	1.9	250	
A490—2	250	79	1480	72	2.4	90	
A490—3	250	119	1480	73	2.4	132	
A490—4	250	158	1480	73	2.1	185	
A490—5	250	198	1480	73	2.1	220	
A490—6	250	237	1480	73	2.1	250	
A490—7	250	277	1480	73	2.1	300	

湖南湘电长沙水泵有限公司 CHS
HUNAN XIANG CHANGSHA PUMP WORKS CO.,LTD.

性能参数 Performance Data

型号 Type / 参数 Parameter	流量 Capacity Q	扬程 Head H	转速 Speed n	效率 Eff. η	必需汽蚀余量 (NPSH)r	功率 Power Pa	备注 Remark
	(m^3/h)	(m)	(r/min)	(%)	(m)	(Kw)	
B440—3	290	77	1480	80	1.5	90	
B440—4	290	104	1480	80	1.5	132	
B440—5	290	131	1480	80	1.5	150	
B440—6	290	158	1480	80	1.5	185	
B440—7	290	184	1480	80	1.5	200	
B440—8	290	211	1480	80	1.5	250	
B440—9	290	237	1480	80	1.5	280	
B440—10	290	264	1480	80	1.5	315	
B480—3	360	91	1480	80	1.7	132	
B480—4	360	122	1480	80	1.7	185	
B480—5	360	153	1480	80	1.7	220	
B480—6	360	185	1480	80	1.7	250	
B480—7	360	216	1480	80	1.7	300	
B480—8	360	247	1480	80	1.7	335	
B520—2	460	69	1480	80	1.9	132	
B520—3	450	106	1480	81	1.9	220	
B520—4	450	142	1480	81	1.9	250	
B520—5	450	178	1480	81	1.9	300	
B520—6	450	214	1480	81	1.9	355	
B520—7	450	250	1480	81	1.9	425	
B520—8	450	286	1480	81	1.9	475	
B550—2	560	80	1480	81	2.1	185	
B550—3	550	121	1480	82	2.1	250	
B550—4	550	162	1480	82	2.1	335	
B550—5	550	204	1480	82	2.1	425	

性能参数 Performance Data

型号 Type / 参数 Parameter	流量 Capacity Q	扬程 Head H	转速 Speed n	效率 Eff. η	必需汽蚀余量	功率 Power Pa	备注 Remark
	(m^3/h)	(m)	(r/min)	(%)	(m)	(Kw)	
B550—6	550	246	1480	82	2.1	500	
B550—7	550	287	1480	82	2.1	600	
B600—2	700	93	1480	81	2.4	250	
B600—3	70	141	1480	82	2.4	375	
B600—4	700	189	1480	82	2.4	500	
B600—5	690	238	1480	82	2.4	600	
B600—6	690	286	1480	82	2.4	750	
B640—2	870	107	1480	82	2.7	355	
B640—3	860	163	1480	83	2.7	530	
B640—4	860	218	1480	83	2.7	710	
B640—5	860	274	1480	83	2.7	850	
C590—2	970	106	1480	83	2.7	375	
C590—3	940	155	1480	84	2.6	530	
C590—4	930	203	1480	84	2.6	670	
C590—5	920	253	1480	84	2.6	850	
C590—6	920	301	1480	84	2.6	1000	
C630—1	1280	66	1480	82	3.5	315	
C630—2	1170	121	1480	83	3.0	530	
C630—3	1130	177	1480	84	2.9	710	
C630—4	1130	231	1480	84	2.9	950	
C630—5	1110	287	1480	84	2.9	1250	
C630—6	1110	342	1480	84	2.9	1400	
C680—1	1580	76	1480	82	3.9	450	
C680—2	1440	139	1480	83	3.4	750	
C680—3	1400	203	1480	84	3.3	1120	

湘南湘电长沙水泵有限公司 CHINA
HUNAN XIANG CHANGSHA PUMP WORKS CO.,LTD.

性能参数 Performance Data

型号 Type / 参数 Parameter	流量 Capacity Q	扬程 Head H	转速 Speed n	效率 Eff. η	必需汽蚀余量	功率 Power Pa	备注 Remark
	(m^3/h)	(m)	(r/min)	(%)	(m)	(Kw)	
C680—4	1390	266	1480	84	3.3	1400	
C680—5	1370	330	1480	84	3.3	1600	
C720—1	1920	88	1480	82	4.4	630	
C720—2	1750	171	1480	84	4.0	1120	
C720—3	1750	252	1480	84	4.0	1600	
C720—4	1750	332	1480	84	4.0	2000	
C780—1	2200	106	1480	82	4.54	900	
C780—2	2200	186	1480	85.5	4.54	1600	
C780—3	2200	266	1480	85.5	4.54	2200	
C780—4	2200	346	1480	85.5	4.54	2800	

备注：

（1）、必需汽蚀余量是以首级叶轮出口中心作为基准。

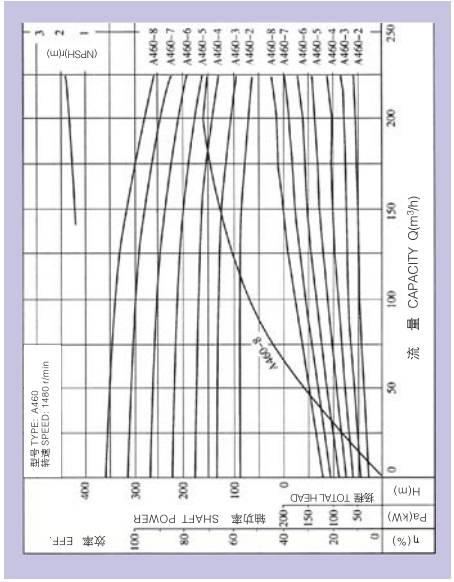
（2）、必需汽蚀余量为泵总扬程从正常运转状态下降3%所得数值。

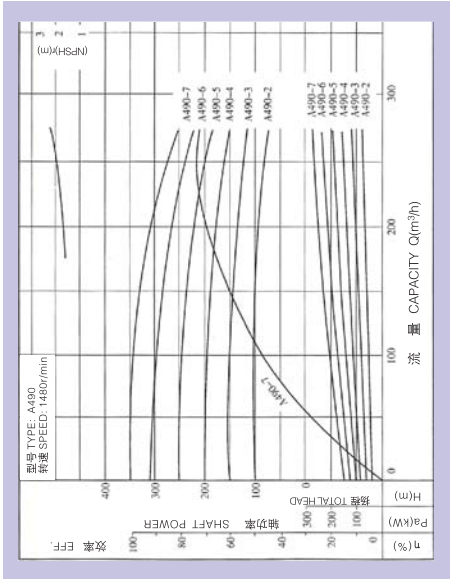
NOTE：

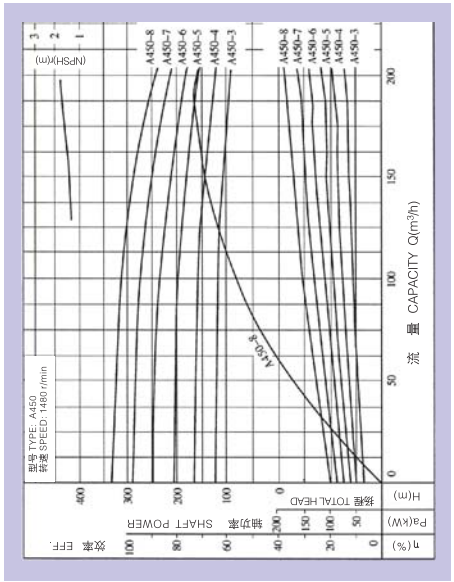
（1）、Re.NPSH is based on center of the first impeller.

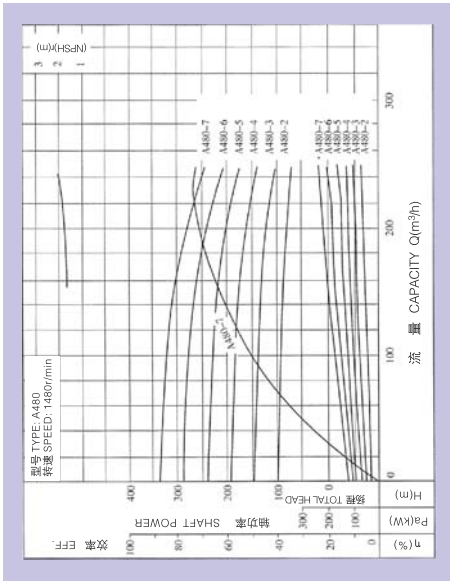
（2）、Re.NPSH value indicated when the pump total head has dropped 3% from that of the normal running state.

性能曲线 Performance Curve

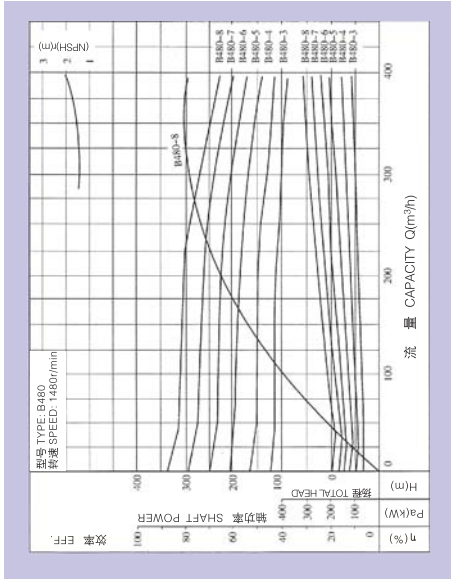


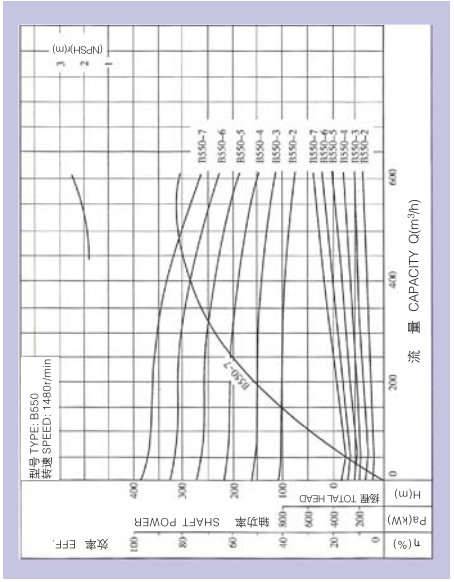


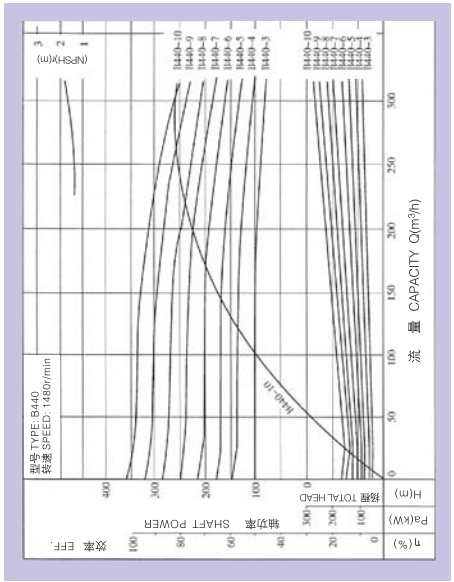


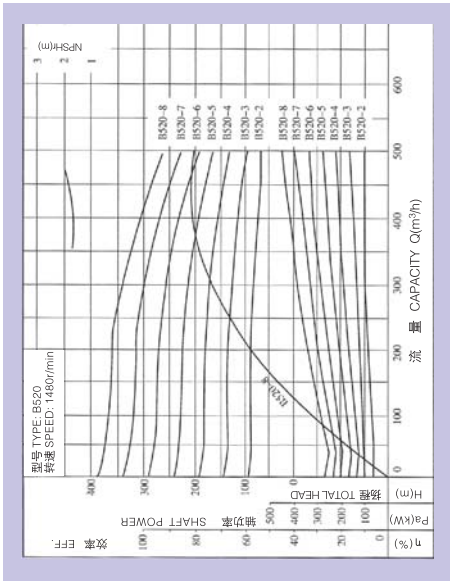


性能曲线 Performance Curve

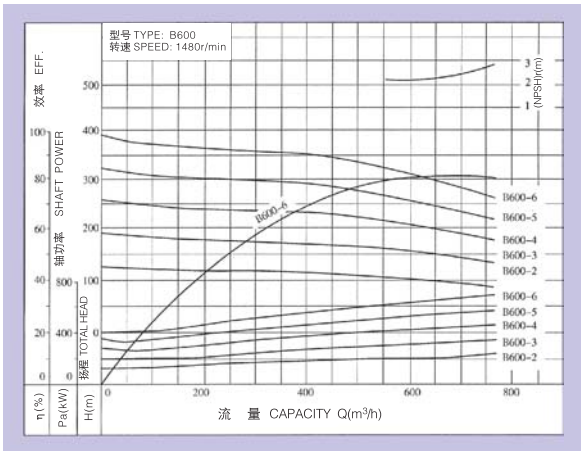


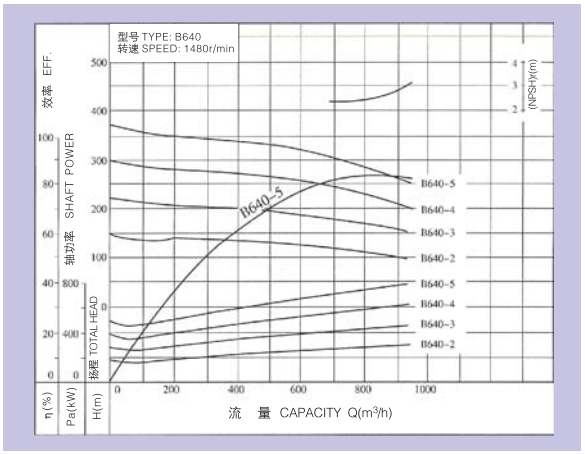


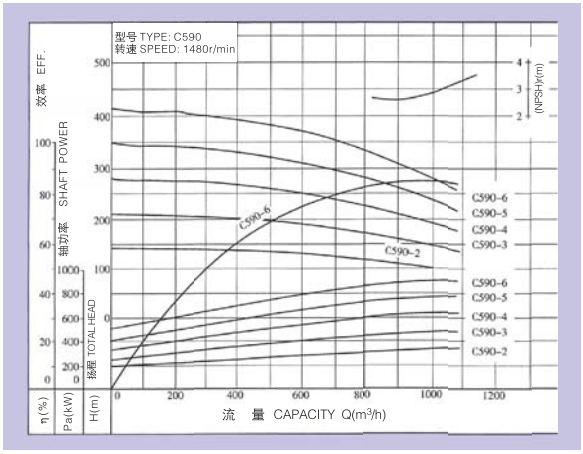


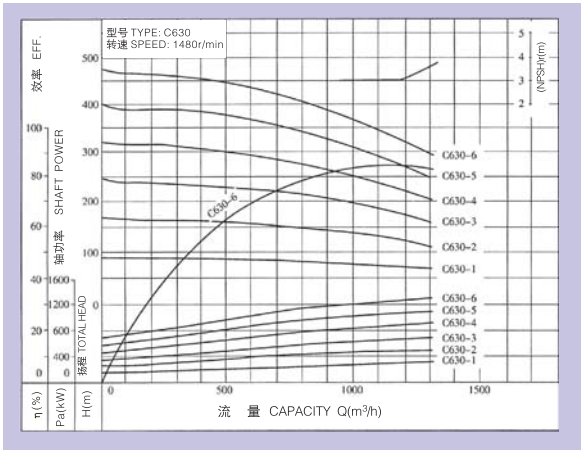


性能曲线 Performance Curve

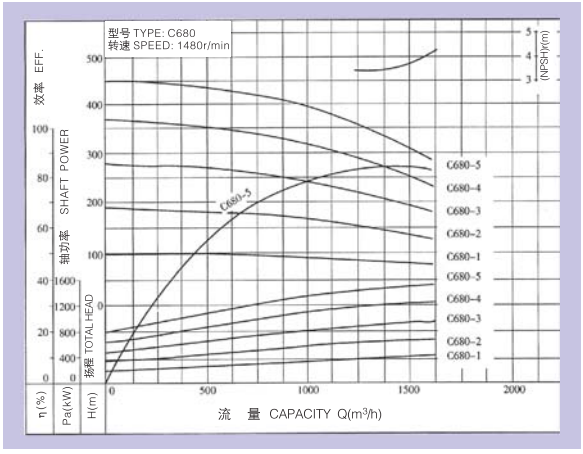


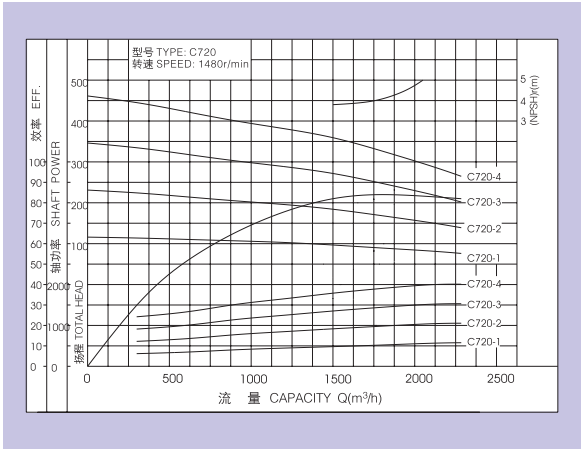


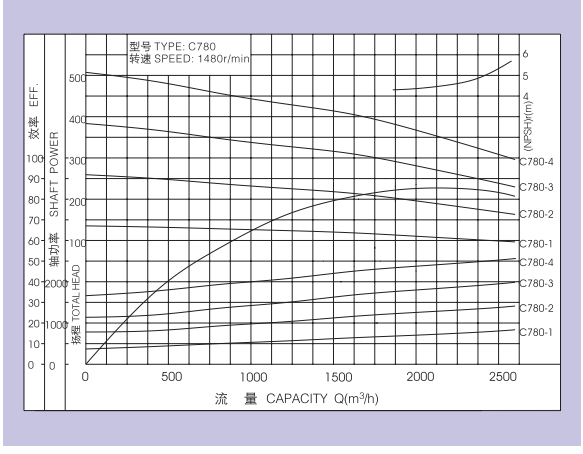




性能曲线 Performance Curve

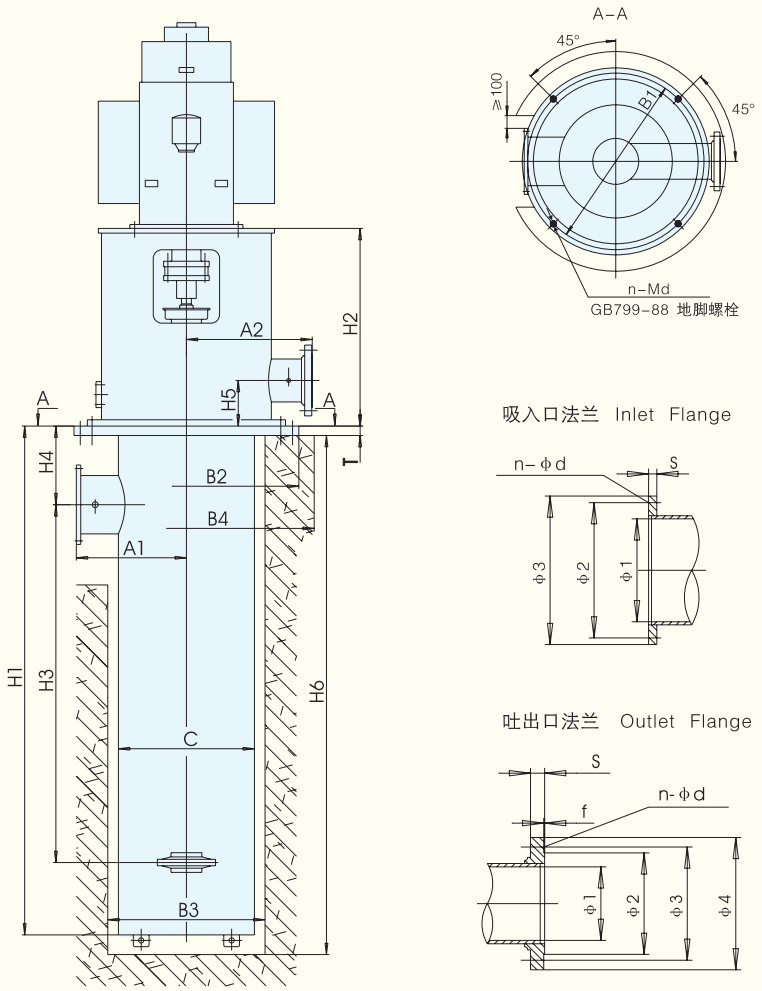






外形安装尺寸图 Overall and Installation Figure

A型泵外形安装尺寸图 Overall and Installation Figure for Type A



吸入口法兰 Inlet Flange

吐出口法兰 Outlet Flange

A型泵外形安装尺寸表 Overall and Installation Dimensions(Type A)

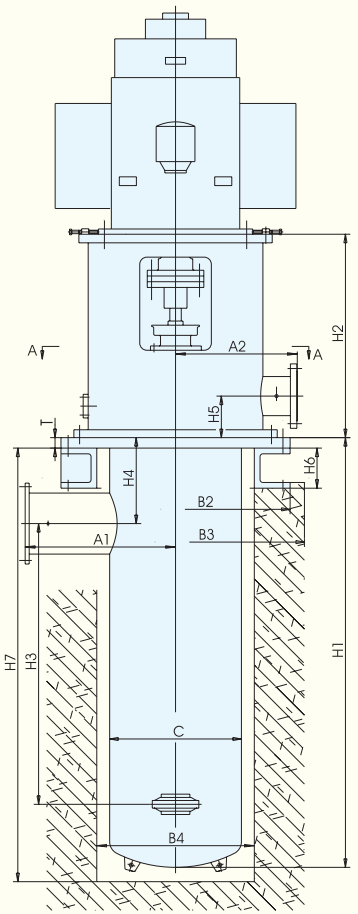
泵型号 Type of the pump	泵外形安装尺寸 Overall and Installation Dimensions													
	H1	H2	H3	H4	H5	H6	A1	A2	B1	B2	B3	B4	C	T	n–Md
A450	3005	1235	2075	500	290	3070	650	750	1300	1380	950	1630	820	60	4–M30
A460	3120	1235	2175	500	290	3185	650	750	1300	1380	950	1630	820	60	4–M30
A480	3235	1295	2275	500	290	3300	700	800	1350	1430	1000	1680	865	60	4–M30
A490	3480	1410	2400	600	290	3545	700	800	1350	1430	1000	1680	865	60	4–M30

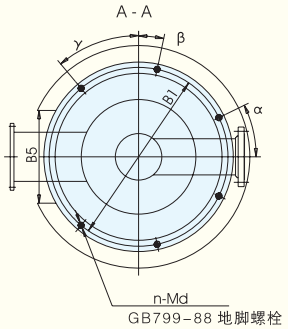
A型泵法兰尺寸表 Flange Dimensions (Type A)

泵型号 Type of the pump	吸入口法兰尺寸 Sizes of Suction Flange					吐出口法兰尺寸 Sizes of Discharge Flange					
	Φ1	Φ2	Φ3	S	n–Φd	Φ1	Φ2	Φ3	Φ4	f	S	n–Φd
A450	350	460	505	28	16–Φ22	200	284	320	375	3	44	12–Φ30
A460	350	460	505	28	16–Φ22	200	284	320	375	3	44	12–Φ30
A480	350	460	505	28	16–Φ22	250	345	385	450	3	48	12–Φ33
A490	400	515	565	28	16–Φ26	250	345	385	450	3	48	12–Φ33

外形安装尺寸图 Overall and Installation Figure

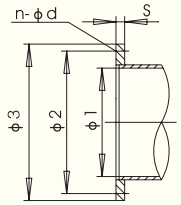
B、C型泵外形安装尺寸图 Overall and Installation Figure for Type B&C



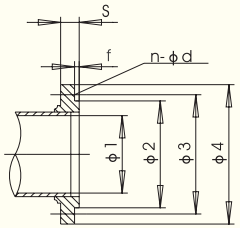


当n=4时，α=45° β=0° γ=45°
当n=6时，α=26° β=12° γ=40°

吸入口法兰 Inlet Flange



吐出口法兰 Outlet Flange



注：长泵遵循对产品不断完善的原则，对产品性能和结构的部分改动，将不另行告知。

B、C型泵外形安装尺寸表 Overall and Installation Dimensions (Type B & C)

泵型号 Type of the pump	泵外形安装尺寸 Overall and Installation Dimensions																	
	H1	H2	H3	H4	H5	H6	H7	A1	A2	B1	B2	B3	B4	B5	C	T	n-Md
B440	2810	1410	1800	600	290	250	2850	950	800	1400	1480	1730	1000	550	820	60	4-M30
B480	3000	1410	1960	600	290	250	3027	1000	850	1500	1580	1830	1100	550	920	73	6-M36
B520	3125	1495	2050	600	350	250	3147	1050	900	1600	1680	1930	1200	750	1020	78	6-M36
B550	3385	1625	2175	700	350	250	3407	1050	900	1600	1680	1930	1200	750	1020	78	6-M36
B600	3650	1720	2400	700	400	250	3667	1100	1000	1800	1880	2130	1350	750	1168	83	6-M36
B640	3990	1720	2700	700	400	250	4007	1100	1000	1800	1880	2130	1350	750	1170	83	6-M36
C590	4175	2015	2750	800	450	250	4197	1000	950	1600	1680	1930	1200	850	1020	78	6-M36
C630	4540	2015	3075	800	450	250	4557	1100	1050	1800	1880	2130	1350	950	1170	83	6-M36
C680	4935	2090	3425	800	500	250	4952	1100	1050	1800	1880	2130	1350	950	1170	83	6-M36
C720	5385	2090	3825	800	500	250	5502	1100	1050	1800	1880	2130	1350	950	1170	83	6-M36
C780	6335	2150	4700	800	600	250	6400	1150	1100	1900	2050	2300	1500	950	1350	85	6-M42

B、C型泵法兰尺寸表 Flange Dimensions (Type B & C)

泵型号 Type of the pump	吸入口法兰尺寸 Sizes of Suction Flange					吐出口法兰尺寸 Sizes of Discharge Flange					
	Φ1	Φ2	Φ3	S	n-Φd	Φ1	Φ2	Φ3	Φ4	f	S	n-Φd
B440	400	515	565	28	16-Φ26	250	345	385	450	3	48	12-Φ33
B480												
B520	500	620	670	30	20-Φ26	300	409	450	515	4	52	16-Φ33
B550	550	675	730	32	20-Φ30							
B600	600	725	780	32	20-Φ30	400	535	585	660	4	60	16-Φ39
B640												
C590	700	840	895	35	24-Φ30	450	560	610	685	4	60	20-Φ39
C630	750	900	965	35	20-Φ33							
C680	800	950	1015	38	28-Φ33	500	575	705	800	7	96	20-Φ45
C720						600	695	838	940	7	102	24-Φ52
C780												