概　述

TDLC型立式长轴泵是在吸取了国内外立式长轴泵设计和制造先进经验，为适应国内市场需求研制的先进成熟的系列产品。该产品可以用来输送55℃以下的清水、雨水、氧化铁皮水、污水、具有腐蚀性的工业废水、海水等液体；经过特殊设计后可输送90℃的液体。广泛用于自来水公司、污水处理厂、电厂、钢铁厂、矿山等工矿企业，以及市政给排水、农田灌溉、防洪排涝等工程。

XBC/XBD型立式长轴消防泵系单吸、多级导叶式水泵，该产品根据变电站、油库、石油码头、石油钻井平台等重点防火单位缺乏大量自来水供应，占地面积小的特点，采用国内外优秀的水力模型和先进的结构设计理念开发，具有效率高、使用范围广、运转安全可靠、启动快速等特点。该水泵用于输送温度低于55℃的清水、海水。

参数范围（设计点）

TDLC型流量	50~8400m³/h
TDLC型扬程	15~150m
XBD、XBC流量	10~400L/s
XBD、XBC扬程	16~172m

型号说明

200TDLC300-23A×2-LH

200	水泵出口直径为φ200mm
TDLC	通大立式长轴泵
300	流量为300m³/h
23	叶轮未切割时水泵单级设计点扬程为23m (水泵总扬程=单级扬程×叶轮级数)
A	叶轮外径切割代号
×2	叶轮级数为2级(级数为1时省略)
L	液下深度(L≤40m，单位为m)
H	水泵带护管(不带护管时省略)

XBD(C)16/160-A

XB	立式长轴消防泵
D	驱动设备标志(D为电动机，C为柴油机)
16	设计出口压力(0.1MPa的倍数值)
160	设计流量(l/s)
A	叶轮切割标记

GENERAL

TDLC vertical mixed flow pump is an advanced and mature product absorbing the domestic and foreign advanced pump design and manufacturing experience, which is developed to meet the needs of domestic market. The product can be used to transport fresh water below 55 ℃, rain water, millscale water, sewage, corrosive industrial waste water, sea water and other liquids; can be specially designed to transport 90 ℃ liquid. Widely used for water companies, sewage treatment plants, power plants, steel mills, mines and other industrial and mining enterprises, and municipal water supply and drainage, irrigation, flood control and drainage project.

XBC / XBD vertical mixed flow fire pumps are single-suction, multi-stage guide vane pumps. They are developed using domestic and international advanced hydraulic model and advanced structural design concept to suit for the substations, oil depots, oil terminals, oil drilling platforms and other key fire preventing station for their lack of a large number of water supply, small size.They are with high efficiency,wide range application, safe and reliable operation, starting fast and so on. The pumps used to transport water and seawater with temperature below 55 ℃.

RANGE OF PARAMETERS (DESIGN POINT)

TDLC Capacity	50~8400m³/h
TDLC Head	15~150m
XBD、XBC Capacity	10~400L/s
XBD、XBC Head	16~172m

MODEL DESCRIPTION

200TDLC300-23A×2-LH

200	Discharge caliber diameter φ200mm
TDLC	vertical mixed flow pump
300	Capacity 300m³/h
23	Pump sigle-stage lift is 23m when impeller is not cutting (Total lift=sigle-stage lift X impeller)
A	Cutting code of impeller extenal diameter
×2	2 stages of impeller(1 stage is omitted)
L	Liquid depth(L≤40m，unit is m)
H	Pump with protection tube (Omitted when there is no protection tube)

XBD(C)16/160-A

XB	vertical mixed flow fire pump
D	Logo of drive device(D is motor，C is diesel engine)
16	impressure on caliber(Times of 0.1MPa)
160	Flow(l/s)
A	Impeller cutting mark

结构特点

TDLC型立式长轴泵的吸入口垂直向下，出口水平，免抽真空启动，单基础安装，水泵和电机直联，基础占地面积小；从电机端俯视，水泵转子部件逆时针方向旋转，主要特点有：

1、用水力设计软件优化设计，性能优越，并充分考虑了叶轮、导叶体的抗磨蚀性能，使叶轮、导叶体等零件的寿命大大提高；产品运行平稳、安全可靠、高效节能。

2、水泵进口装有滤网，开孔大小适当，既有效地防止大颗粒杂质进入泵内损坏水泵，同时又最大限度地减少了进口损失，提高了水泵效率。

3、叶轮采用平衡孔平衡轴向力，叶轮前后盖板均设有可更换的密封环，保护叶轮及导叶体。

4、水泵转子部件包含叶轮、叶轮轴、中间轴、上轴、联轴器、调整螺母等零件。

5、水泵中间轴、扬水管和护管为多节，轴采用螺纹联轴器或者套筒联轴器联接；扬水管数量可根据用户需要增减，适应不同的液下深度。叶轮和导叶体可以为单级，也可以为多级，适应不同的扬程要求。

6、单根轴的长度合理，刚度足够。

7、水泵扬水管采用法兰联接，相邻2节扬水管之间有导轴承体。导轴承体和导叶体上均装有导轴承，导轴承采用聚四氟乙烯或赛龙或丁腈橡胶材料。护管用于保护轴和导轴承，当输送清水时，可取消护管，导轴承不必外接冷却润滑水；输送污水时，必须安装护管，导轴承必须外接冷却润滑水（水泵带自闭式密封系统，水泵停机后，自闭式密封系统可防止污水进入导轴承）。

8、水泵的残余轴向力和转子部件的重量可由电机支座内的推力轴承承受或者带推力轴承的电机承受。推力轴承采用润滑脂润滑（又称干油润滑）或者润滑油润滑（又称稀油润滑）。

9、水泵的轴封为填料密封，轴封及导轴承处装有可更换的轴套，以保护轴。叶轮的轴向位置由推力轴承部件上端或者泵联轴器内的调整螺母来调整，十分方便。

10、水泵出口直径为φ100和φ150的立式长轴泵仅用于输送常温清水，不带护管，导轴承不需外接润滑水润滑；如用户需要φ100和φ150口径带护管的立式长轴泵，本公司可另外提供技术方案。

XBC/XBD型立式长轴消防泵的吸入口垂直向下，出口水平，免抽真空启动；从电机或直角齿轮箱端俯视，水泵转子部件逆时针方向旋转，主要结构特点有：

1、安装方法：

一般水泵机组安装在同一基础层上。

2、出水口位置：

一般情况下，出水口位于基础层之上，如用户需要也可位于基础层之下。

CHARACTERISTICS OF STRUCTURE

TDLC vertical mixed flow pump is of vertical suction down, outlet horizontal, proventing vacuum start, single-base installation, pumps and motors directly connected, based on small footprint; looking down from the motor side, pump rotor parts counter-clockwise rotate. major characteristics:

1, using the hydraulic design software to optimize design, superior performance and take full account of the impeller and guide vane anti-abrasion properties, so that life spans of the impeller and guide vane and other parts are greatly improved; product is stable, safe, reliable, efficient energy saving.

2, entry with the filter, hole size appropriate, not only effectively prevent the large particles of impurities into the pump and damaging pumps, while minimizing the loss of entry and improve pump efficiency

3, balanced hole and balanced axial impeller, front and back of impeller cover are equipped with replaceable seal ring to protect the impeller and guide vane.

4, Pump rotor components include impeller, impeller shaft, intermediate shaft, upper shaft, couplings, nuts and other parts adjust.

5, The intermediate shaft pumps, pipes and protection tube are multi-sections and connected by thread coupling or sleeve coupling; Pipe quantity can be changed according to user needs, to adapt to different liquid depths. Impeller and guide vane can be a single-stage, multi-stage adapting to different lift requirements.

6, single shaft length is reasonable, adequate stiffness.

7, Ascending pipes are connected by flange, and there are guide bearing between adjacent ascending pipes. Guide bearing are installed on the guide bearing body and the guide vane , in the material of Teflon or sairong, or nitrile rubber. Protection tubes are used for the protection of the shaft and guide bearing, when transport water the protection tube can be not applied and guide bearing does not need external cooling lubrication; when transfer sewage, the protection tube must be installed , and guide bearing must need external cooling lubrication (pump with self closing sealing systems, when pumps stop, the self-sealing system can prevent sewage into the closed guide bearing).

8, Pump residual axial force and rotor parts weight can be beared by the thrust bearing in motor or the motor bearings. Thrust bearings use grease lubrication (also known as dry oil lubrication) or oil lubrication (also known as thin oil lubrication)

9, Pump seal shaft is packing sealed, seal bearing and guide bearing was equipped with a removable sleeve to protect the shaft.Position of impeller axial is conveniently adjusted by thrust bearing parts at the upper position or nut in pump coupling.

10, Pump outlet diameter φ100 and φ150 vertical mixed flow pump are only used to transport fresh water at room temperature, without protection tubes, guide bearing without external lubrication liquid; if users need protection tubes, our company can also provide technology solutions.

XBC/XBD vertical mixed flow fire pump of vertical downward suction, outlet horizontal outlet proventing vacuum start, looking down from the motor side or right angle gear box, pump rotor parts counter-clockwise rotate. Major characteristics:

1. Installation:

General pump are installed on the same foundation layer.

2. outlet position:

In general, the outlet is located above the foundation layer, also can be below the foundation layer as per requirement of clients.

3、轴向推力的承受方式：

（1）水泵采用普通立式电机驱动时，水泵转子重量及轴向推力由装在水泵上部的推力轴承承受。

（2）水泵采用带推力轴承的立式电机驱动时，水泵转子的重量及轴向推力由电机内的推力轴承承受。

（3）水泵采用直角齿轮箱传动时，水泵转子的重量及轴向推力由装在直角齿轮箱内的推力轴承承受。

4、导轴承的润滑方式：

自润滑：若水泵所输送的介质为清洁的液体，导轴承可直接利用输送的介质进行润滑。

外接压力水润滑：若水泵所输送的介质中含有少量杂质，则需要从外部接入清洁的压力水来润滑（水泵带自闭式密封系统，水泵停机后，自闭式密封系统可防止杂质进入导轴承）。

5、推力轴承的润滑：

推力轴承一般采用稀油润滑（小型泵也可采用油脂润滑）。轴承体外部可设置冷却夹套，通以冷却水冷却油温。

6、水泵及电机联轴器：

弹性联轴器：若轴向推力由水泵承受，则水泵与电机采用弹性联轴器联接。

刚性联轴器：若轴向推力由电机承受，则水泵与电机采用刚性联轴器联接。

7、配用动力：

（1）配用普通立式电机直联驱动。

（2）配用带推力轴承的立式电机直联驱动。

（3）配用柴油机通过直角齿轮箱变速驱动。

（4）配用卧式高速电机通过直角齿轮箱变速驱动。

3. shaft thrust bearing ways:

(1)When pump is driven by the ordinary vertical motor, weight of the rotor axial and axial thrust are beared by thrust axial on the upper of the pump.

(2)When pump is driven by vertical motor with thrust bearings, weight of the rotor axial and axial thrust are beared by thrust axial inside the motor.

(3)When pump is driven by right angle gear box, weight of the rotor axial and axial thrust are beared by thrust axial inside the right angle gear box.

4.Guide bearing lubrication ways:

Self-lubricating: If the transport medium is clean liquids, guide bearing can use transmission for lubrication directly.

External pressure water lubrication: If the transport medium containing impurities, you need pressure water from outside for lubrication (pump with self closing sealing systems, when pumps stop, the self-sealing system can prevent sewage into the closed guide bearing).

5. thrust bearing lubrication:

Thrust bearings are lubricated with light oil (light lubricating oil also can be used on small pumps). External cooling jacket can be set outside bearings, with cold water inside the jacket.

6. pump and motor coupling:

Flexible coupling: If the axial thrust is beared by the pump, pump and motor are connected by flexible coupling.

Rigid coupling:If the axial thrust is beared by the motor, pump and motor are connected by rigid coupling

7.backup power:

(1)Equipped with ordinary vertical motor to drive directly.

(2)Equipped with thrust bearing vertical motor to drive directly.

(3)Equipped with diesel engines to drive at variable speed through right angle gear box.

(4)Equipped with horizontal high-speed motor to drive at variable speed through right angle gear box.

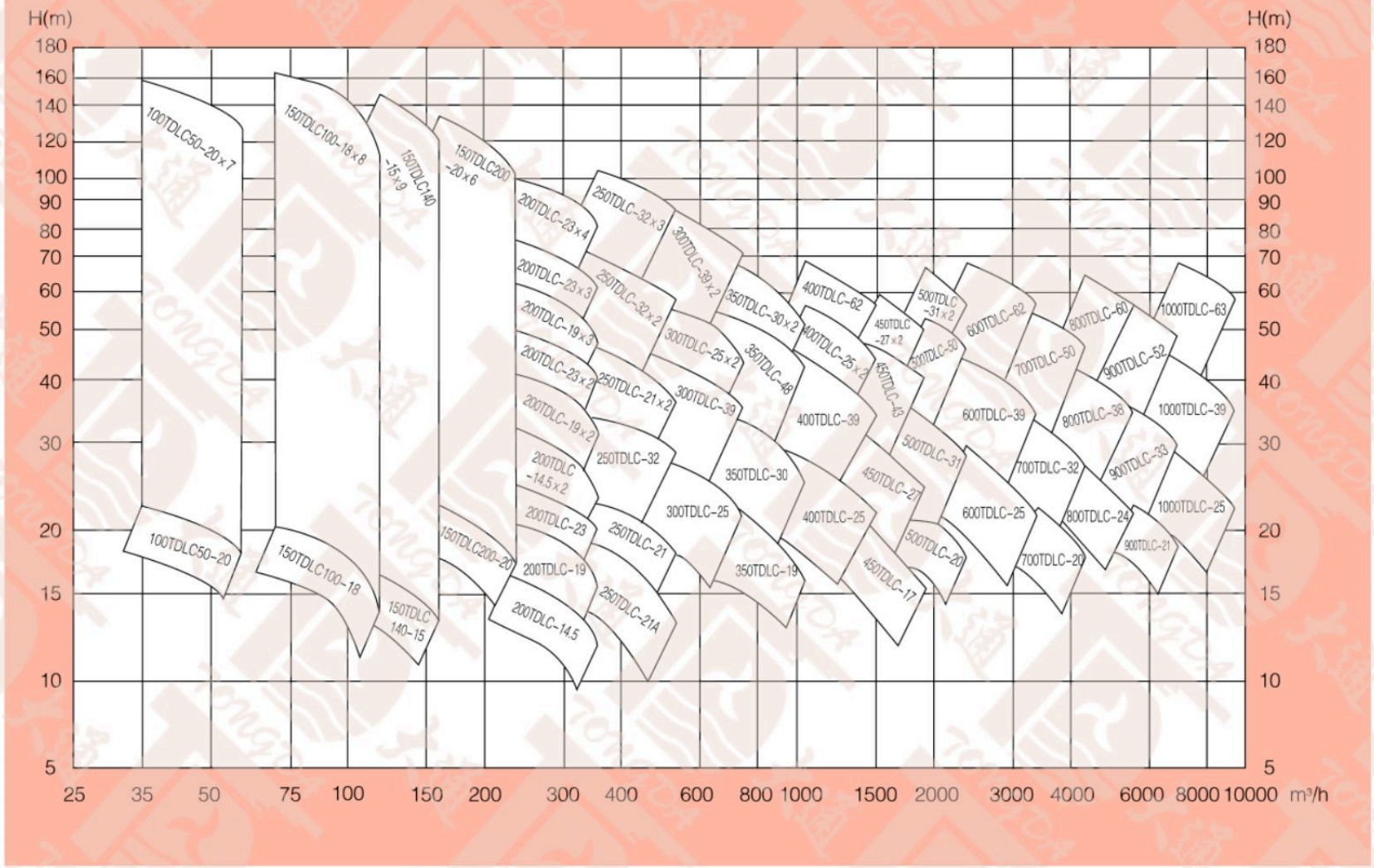
TDLC、XBC、XBD主要零件材质表 THE MATERIAL OF MAIN PARTS OF PUMP

液体种类	清水	污水（TDCL）	海水	
主要零件	Ⅰ	Ⅱ	Ⅲ	Ⅳ
喇叭口	HT200	HT200或QT400-18	HT200Ni2Cr	321或316L不锈钢
叶 轮☆	HT200	QT400-18或铸钢或ZG1Cr13Ni1	ZG1Cr18Ni9Ti	ZCuZn16Si4或316L不锈钢
密封环☆	HT200	QT400-18或2Cr13	HT200Ni2Cr	ZCuZn16Si4或316L不锈钢
导叶体	HT200	QT400-18或铸钢	HT200Ni2Cr	ZG00Cr17Ni14Mo2
扬水管、护管	Q235-A	Q235-A	1Cr18Ni9Ti	00Cr17Ni14Mo2
轴	45或2Cr13	45或2Cr13	1Cr18Ni9Ti	00Cr17Ni14Mo2
轴 套☆	2Cr13	2Cr13	1Cr17Ni2	1Cr17Ni2
导轴承☆	聚四氟乙烯/赛龙/丁腈橡胶			
导轴承体	HT200	HT200或QT400-18	HT200Ni2Cr	ZG00Cr17Ni14Mo2
螺纹、套筒联轴器	45或2Cr13	40Cr或2Cr13	1Cr17Ni2	1Cr17Ni2
出水弯管	Q235-A	Q235-A	1Cr18Ni9Ti	00Cr17Ni14Mo2
电机支座	Q235-A	Q235-A	Q235-A	Q235-A

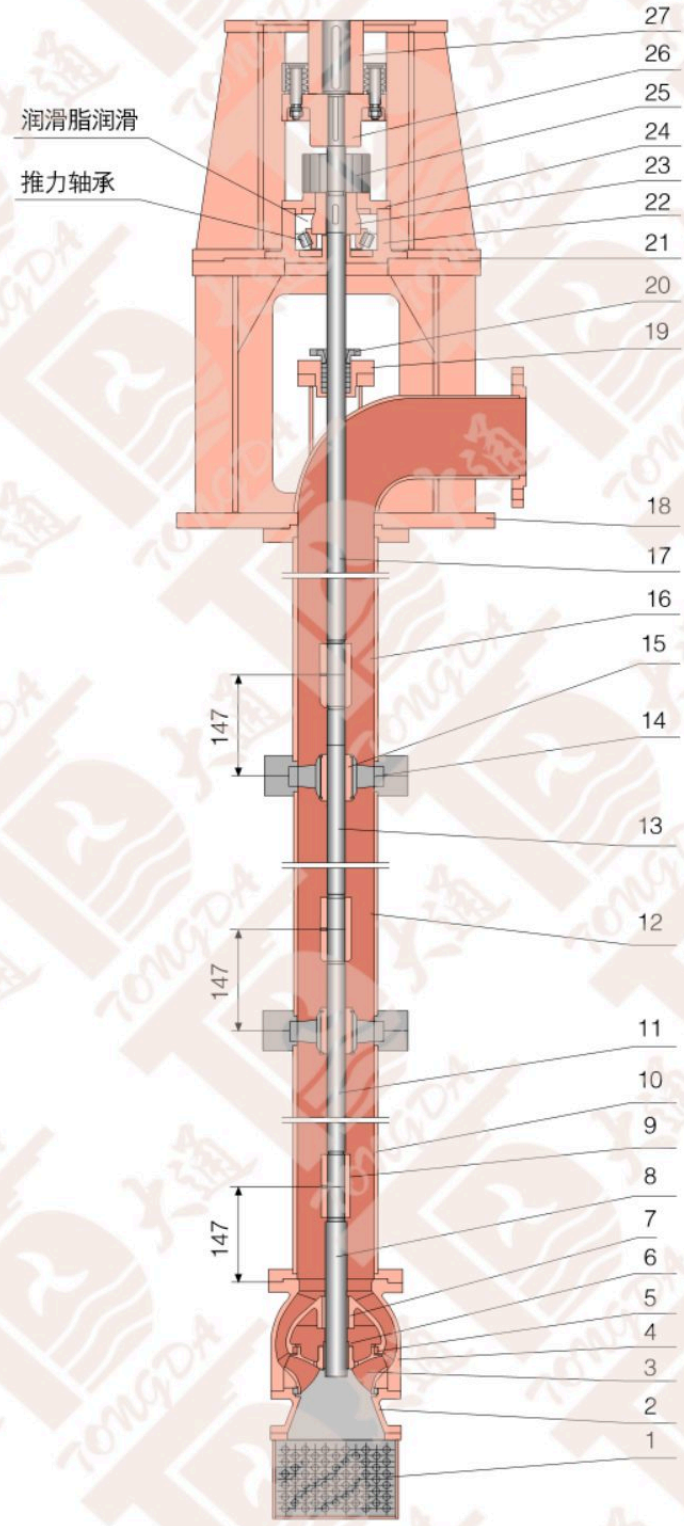
注：材质可根据要求选配，带☆号的为易损件

Note : The materials can be matched as actual requirement , "☆" means the damageable parts

泵型谱图 Performance Charts



结构图1 Structural chart 1

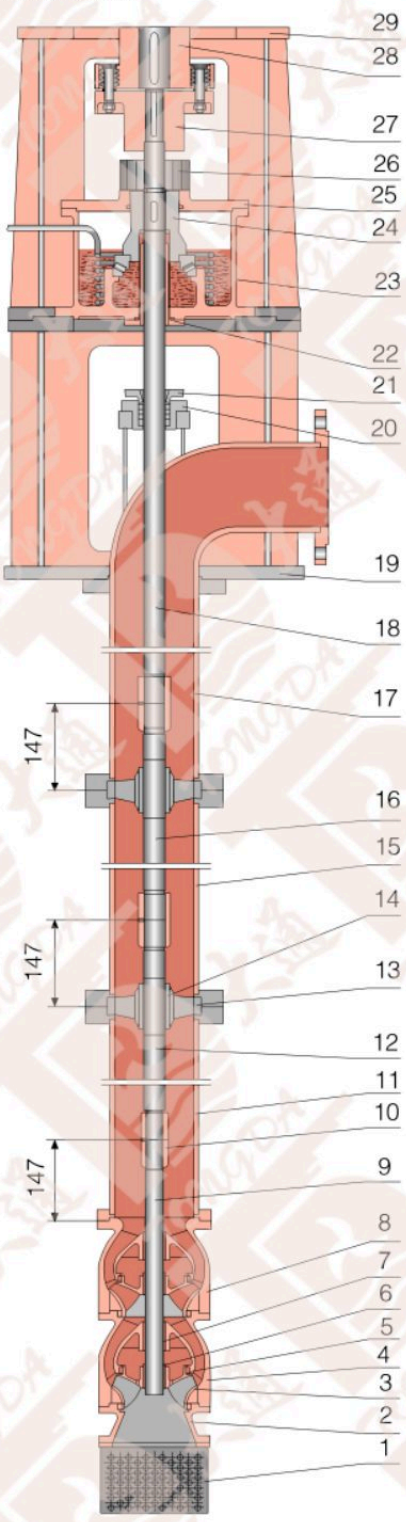


泵主要零件 Main Parts of Pump

1、滤网
2、喇叭口
3、叶轮
4、导叶体
5、密封环※
6、锥套
7、(下)导轴承※
8、叶轮轴
9、螺纹联轴器
10、下扬水管
11、下轴
12、扬水管
13、中轴
14、导轴承体
15、(中)导轴承※
16、调整扬水管
17、上轴
18、出水弯管
19、填料函体
20、填料压盖
21、电机支座
22、轴承体
23、轴承衬套
24、轴承体压盖
25、调整螺母
26、泵联轴器
27、电机联轴器
注：带※号的为易损件

1. Filter
2. Trumpet
3. Impeller
4. The Guide Vane Body
5. Sealing Ring ※
6. Sleeve
7. (Bottom) Guide Bearing ※
8. The Impeller Shaft
9. Threaded Coupling
10. Water Under The Young
11. Lower Shaft
12. Jan Pipe
13. Axial
14. Guide Bearing Body
15. (In) Guide Bearing ※
16. Adjust The Water Young
17. The Shaft
18. Water Pipe
19. Stuffing The Body
20. The Packing Gland
21. The Motor Bearings
22. Bearing Body
23. Bearing Bush
24. Bearing Body Gland
25. Adjusting Nut
26. The Pump Coupling
27. The Electrical Coupling
Note: ※ With The Wearing Parts

结构图2 Structural chart 2

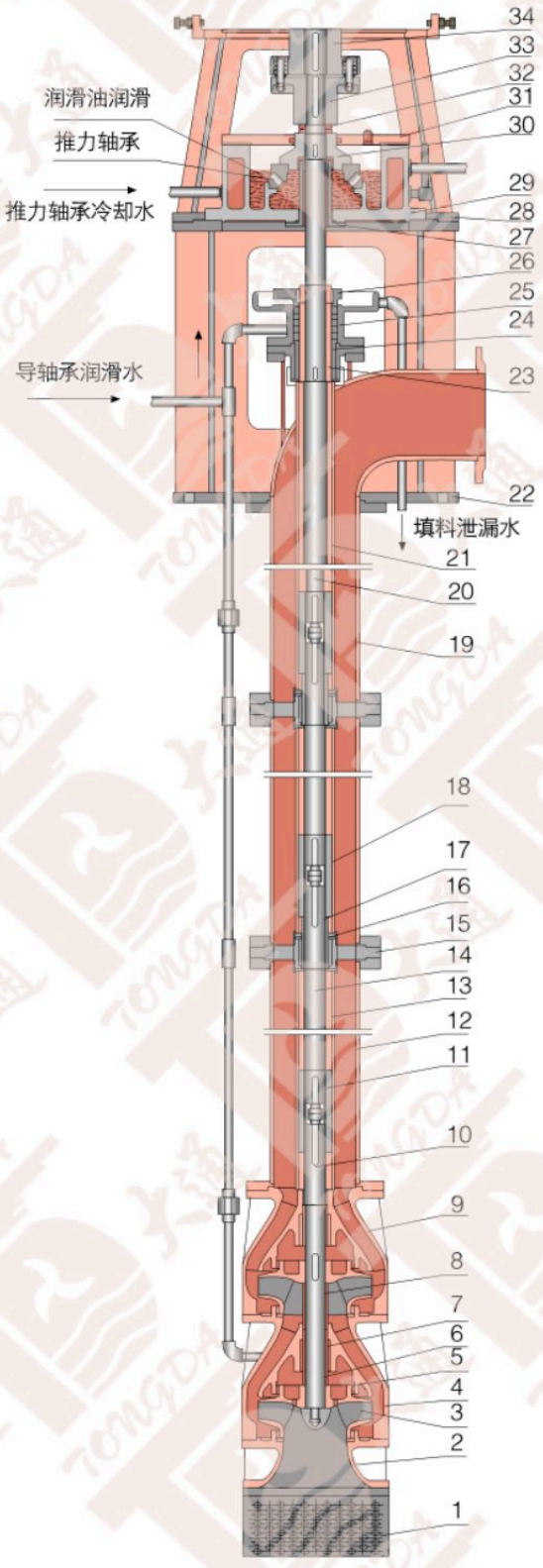


泵主要零件 Main Parts of Pump

1、滤网
2、喇叭口
3、叶轮
4、导叶体
5、密封环※
6、锥套
7、(下)导轴承※
8、末级导叶体
9、叶轮轴
10、螺纹联轴器
11、下扬水管
12、下轴
13、导轴承体
14、(中)导轴承※
15、扬水管
16、中轴
17、调整扬水管
18、上轴
19、出水弯管
20、填料函体
21、填料压盖
22、密封套
23、轴承体
24、轴承衬套
25、轴承体压盖
26、调整螺母
27、泵联轴器
28、电机联轴器
29、电机支座
注：带※号的为易损件

1. Filter
2. Trumpet
3. Impeller
4. The guide vane body
5. Sealing ring ※
6. Sleeve
7. (Bottom) guide bearing ※
8. The last stage guide vane body
9. The impeller shaft
10. Threaded coupling
11. Water under the young
12. Lower shaft
13. The guide bearing body
14. (In) guide bearing ※
15. Jan pipe
16. Axial
17. Adjust the water young
18. The shaft
19. Water pipe
20. Stuffing the body
21. The packing gland
22. Gland
23. Bearing body
24. Bearing bush
25. Bearing body gland
26. Adjusting nut
27. The pump coupling
28. The electrical coupling
29. The motor bearings
Note: ※ with the wearing parts

结构图3 Structural chart 3



泵主要零件 Main Parts of Pump

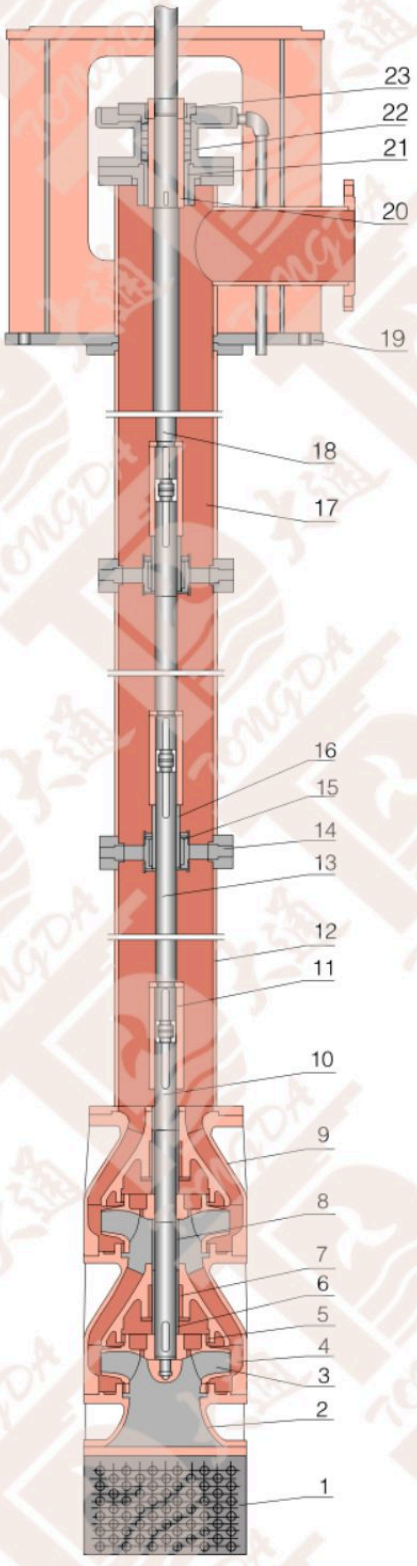
1、滤网
2、喇叭口
3、叶轮
4、导叶体
5、密封环※
6、(下)轴套
7、(下)导轴承※
8、叶轮挡套
9、末级导叶体
10、叶轮轴
11、套筒联轴器部件
12、扬水管
13、下护管
14、中轴
15、导轴承体
16、(中)导轴承※
17、(中)轴套
18、中护管
19、调整扬水管
20、上轴
21、上护管
22、出水弯管
23、填料轴套
24、上导轴套
25、填料函体
26、填料压盖
27、密封套
28、电机支座
29、轴承体
30、轴承衬套
31、轴承体压盖
32、调整螺母
33、泵联轴器
34、电机联轴器

注：带※号的为易损件

1. Filter
2. Trumpet
3. Impeller
4. The guide vane body
5. Sealing ring ※
6. (Bottom) sleeve
7. (Bottom) guide bearing ※
8. The impeller block sets
9. The last stage guide vane body
10. The impeller shaft
11. The sleeve coupling components
12. Jan pipe
13. Under the protective tube
14. Axial
15. Guide bearing body
16. (In) guide bearing ※
17. (In) sleeve
18. The protective tube
19. Adjust the water young
20. The shaft
21. The protective tube
22. Water pipe
23. Packing sleeve
24. The guide sleeve
25. Stuffing the body
26. The packing gland
27. Gland
28. The motor bearings
29. Bearing body
30. Bearing bush
31. Bearing body gland
32. Adjusting nut
33. The pump coupling
34. The electrical coupling

Note: ※ with the wearing parts

结构图4 Structural chart 4



泵主要零件 Main Parts of Pump

1、滤网
2、喇叭口
3、叶轮
4、导叶体
5、密封环※
6、(下)轴套
7、(下)导轴承※
8、叶轮挡套
9、末级导叶体
10、叶轮轴
11、套筒联轴器部件
12、扬水管
13、中轴
14、导轴承体
15、(中)导轴承※
16、(中)轴套
17、调整扬水管
18、上轴
19、出水弯管
20、填料轴套
21、上导轴承
22、填料函体
23、填料压盖
注：带※号的为易损件

1. Filter
2. Trumpet
3. Impeller
4. The guide vane body
5. Sealing ring ※
6. (Bottom) sleeve
7. (Bottom) guide bearing ※
8. The impeller block sets
9. The last stage guide vane body
10. The impeller shaft
11. The sleeve coupling components
12. Jan pipe
13. Axial
14. Guide bearing body
15. (In) guide bearing ※
16. (In) sleeve
17. Adjust the water young
18. The shaft
19. Water pipe
20. Packing sleeve
21. The guide bearing
22. Stuffing the body
23. The packing gland
Note: ※ with the wearing parts

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	配带电动机 Motor	
					功率 Power	型号 Type
	m^3/h	L/s	m	r/min	kW	
25TDLC2-33×6	2	0.56	33	2900	0.55	Y80M1-2
25TDLC2-44×8	2	0.56	44	2900	0.75	Y80mM1-2
25TDLC2-66×12	2	0.56	66	2900	1.1	Y80M2-2
25TDLC2-99×18	2	0.56	99	2900	1.5	Y90S-2
25TDLC2-132×24	2	0.56	132	2900	2.2	Y90L-2
25TDLC2-143×26	2	0.56	143	2900	3	Y100L-2
25TDLC2-165×30	2	0.56	165	2900	3	Y100L-2
40TDLC5-20×5	5	1.39	20	2900	1.1	Y80M2-2
40TDLC5-32×8	5	1.39	32	2900	1.5	Y90S-2
40TDLC5-48×12	5	1.39	48	2900	2.2	Y90L-2
40TDLC5-56×14	5	1.39	56	2900	3	Y100L-2
40TDLC5-72×18	5	1.39	72	2900	3	Y100L-2
40TDLC5-80×20	5	1.39	80	2900	4	Y112M-2
40TDLC5-96×24	5	1.39	96	2900	4	Y112M-2
40TDLC5-120×30	5	1.39	120	2900	5.5	Y132S1-2
40TDLC5-160×40	5	1.39	160	2900	7.5	Y132S2-2
50TDLC8-23.5×5	8	2.22	23.5	2900	1.5	Y90S-2
50TDLC8-37.5×8	8	2.22	37.5	2900	2.2	Y90L-2
50TDLC8-47×10	8	2.22	47	2900	3	Y100L-2
50TDLC8-56×12	8	2.22	56	2900	4	Y112M-2
50TDLC8-70.5×15	8	2.22	70.5	2900	4	Y112M-2
50TDLC8-84.5×18	8	2.22	84.5	2900	5.5	Y132S1-2
50TDLC8-94×20	8	2.22	94	2900	5.5	Y132S1-2
50TDLC8-103×22	8	2.22	103	2900	7.5	Y132S2-2
50TDLC5-100×14	5	1.39	100	2900	3	Y100L-2
50TDLC5-150×21	5	1.39	150	2900	4	Y112M-2
50TDLC5-200×28	5	1.39	200	2900	5.5	Y132S1-2
50TDLC5-250×35	5	1.39	250	2900	7.5	Y132S2-2
50TDLC5-300×42	5	1.39	300	2900	11	Y160M1-2
50TDLC10-50×7	10	2.78	50	2900	3	Y100L-2
50TDLC10-78×11	10	2.78	78	2900	4	Y112M-2
50TDLC10-100×14	10	2.78	100	2900	5.5	Y132S1-2
50TDLC10-128×18	10	2.78	128	2900	7.5	Y132S2-2

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	配带电动机 Motor	
					功率 Power	型号 Type
	m^3/h	L/s	m	r/min	kW	
50TDLC10–150×21	10	2.78	150	2900	7.5	$Y132S_2$–2
50TDLC10–178×25	10	2.78	178	2900	11	Y160M–2
50TDLC10–200×28	10	2.78	200	2900	11	Y160M–2
50TDLC10–250×35	10	2.78	250	2900	15	$Y160M_2$–2
50TDLC10–300×42	10	2.78	300	2900	15	$Y160M_2$–2
50TDLC20–26×4	20	5.56	26	2900	3	Y100L–2
50TDLC20–33×5	20	5.56	33	2900	3	Y100L–2
50TDLC20–39×6	20	5.56	39	2900	4	Y112M–2
50TDLC20–46×7	20	5.56	46	2900	5.5	$Y132S_1$–2
50TDLC20–52×8	20	5.56	52	2900	5.5	$Y132S_1$–2
50TDLC20–59×9	20	5.56	59	2900	5.5	$Y132S_1$–2
50TDLC20–65×10	20	5.56	65	2900	7.5	$Y132S_2$–2
50TDLC20–72×11	20	5.56	72	2900	7.5	$Y132S_2$–2
50TDLC20–78×12	20	5.56	78	2900	7.5	$Y132S_2$–2
50TDLC20–85×13	20	5.56	85	2900	11	Y160M–2
50TDLC20–91×14	20	5.56	91	2900	11	Y160M–2
50TDLC20–98×15	20	5.56	98	2900	11	Y160M–2
50TDLC20–104×16	20	5.56	104	2900	11	Y160M–2
50TDLC20–111×17	20	5.56	111	2900	11	Y160M–2
50TDLC20–117×18	20	5.56	117	2900	15	$Y160M_2$–2
50TDLC20–124×19	20	5.56	124	2900	15	$Y160M_2$–2
50TDLC20–130×20	20	5.56	130	2900	15	$Y160M_2$–2
50TDLC20–137×21	20	5.56	137	2900	15	$Y160M_2$–2
50TDLC20–143×22	20	5.56	143	2900	15	$Y160M_2$–2
50TDLC20–150×23	20	5.56	150	2900	15	$Y160M_2$–2
50TDLC20–156×24	20	5.56	156	2900	15	$Y160M_2$–2
50TDLC20–163×25	20	5.56	163	2900	15	$Y160M_2$–2
50TDLC10–30×2	10	2.78	30	2900	3	Y100L–2
50TDLC10–45×3	10	2.78	45	2900	4	Y112M–2
50TDLC10–60×4	10	2.78	60	2900	5.5	$Y132S_1$–2
50TDLC10–90×6	10	2.78	90	2900	7.5	$Y132S_2$–2
50TDLC10–105×7	10	2.78	105	2900	11	Y160M–2
50TDLC10–135×9	10	2.78	135	2900	11	Y160M–2

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	配带电动机 Motor	
					功率 Power	型号 Type
	m^3/h	L/s	m	r/min	kW	
50TDLC20–26×2	20	5.56	26	2900	3	Y100L–2
50TDLC20–39×3	20	5.56	39	2900	4	Y112M–2
50TDLC20–52×4	20	5.56	52	2900	5.5	$Y132S_1$–2
50TDLC20–65×5	20	5.56	65	2900	7.5	$Y132S_2$–2
50TDLC20–78×6	20	5.56	78	2900	7.5	$Y132S_2$–2
50TDLC20–91×7	20	5.56	91	2900	11	Y160M–2
50TDLC20–104×8	20	5.56	104	2900	11	Y160M–2
50TDLC20–117×9	20	5.56	117	2900	15	$Y160M_2$–2
50TDLC20–130×10	20	5.56	130	2900	15	$Y160M_2$–2
50TDLC20–143×11	20	5.56	143	2900	15	$Y160M_2$–2
50TDLC20–156×12	20	5.56	156	2900	15	$Y160M_2$–2
50TDLC20–169×13	20	5.56	169	2900	18.5	Y160L–2
50TDLC20–182×14	20	5.56	182	2900	18.5	Y160L–2
50TDLC20–195×15	20	5.56	195	2900	22	Y180M–2
50TDLC20–208×16	20	5.56	208	2900	22	Y180M–2
50TDLC20–221×17	20	5.56	221	2900	22	Y180M–2
50TDLC20–234×18	20	5.56	234	2900	30	Y200L–2
50TDLC20–247×19	20	5.56	247	2900	30	Y200L–2
65TDLC25–24×3	25	6.94	24	2900	3	Y100L–2
65TDLC25–32×4	25	6.94	32	2900	4	Y112M–2
65TDLC25–40×5	25	6.94	40	2900	5.5	$Y132S_1$–2
65TDLC25–48×6	25	6.94	48	2900	5.5	$Y132S_1$–2
65TDLC25–56×7	25	6.94	56	2900	7.5	$Y132S_2$–2
65TDLC25–64×8	25	6.94	64	2900	7.5	$Y132S_2$–2
65TDLC25–72×9	25	6.94	72	2900	11	Y160M–2
65TDLC25–80×10	25	6.94	80	2900	11	Y160M–2
65TDLC25–88×11	25	6.94	88	2900	11	Y160M–2
65TDLC25–96×12	25	6.94	96	2900	11	Y160M–2
65TDLC25–104×13	25	6.94	104	2900	15	$Y160M_2$–2
65TDLC25–112×14	25	6.94	112	2900	15	$Y160M_2$–2
65TDLC25–120×15	25	6.94	120	2900	15	$Y160M_2$–2
65TDLC25–128×16	25	6.94	128	2900	15	$Y160M_2$–2
65TDLC25–136×17	25	6.94	136	2900	18.5	Y160L–2

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	配带电动机 Motor	
					功率 Power	型号 Type
	m^3/h	L/s	m	r/min	kW	
65TDLC25–144×18	25	6.94	144	2900	18.5	Y160L–2
65TDLC25–152×19	25	6.94	152	2900	18.5	Y160L–2
65TDLC32–18×3	32	8.89	18	2900	3	Y100L–2
65TDLC32–24×4	32	8.89	24	2900	4	Y112M–2
65TDLC32–30×5	32	8.89	30	2900	5.5	$Y132S_1$–2
65TDLC32–36×6	32	8.89	36	2900	5.5	$Y132S_1$–2
65TDLC32–42×7	32	8.89	42	2900	7.5	$Y132S_2$–2
65TDLC32–54×9	32	8.89	54	2900	11	$Y160M_1$–2
65TDLC32–66×11	32	8.89	66	2900	11	$Y160M_1$–2
65TDLC32–72×12	32	8.89	72	2900	15	$Y160M_2$–2
65TDLC32–84×14	32	8.89	84	2900	15	$Y160M_2$–2
65TDLC32–90×15	32	8.89	90	2900	15	$Y160M_2$–2
65TDLC32–96×16	32	8.89	96	2900	15	$Y160M_2$–2
65TDLC32–108×18	32	8.89	108	2900	18.5	Y160L–2
65TDLC32–24×2	32	8.89	24	2900	4	Y112M–2
65TDLC32–36×3	32	8.89	36	2900	5.5	$Y132S_1$–2
65TDLC32–48×4	32	8.89	48	2900	7.5	$Y132S_2$–2
65TDLC32–60×5	32	8.89	60	2900	11	$Y160M_1$–2
65TDLC32–72×6	32	8.89	72	2900	11	$Y160M_1$–2
65TDLC32–84×7	32	8.89	84	2900	15	$Y160M_2$–2
65TDLC32–96×8	32	8.89	96	2900	15	$Y160M_2$–2
65TDLC32–120×10	32	8.89	120	2900	18.5	Y160L–2
65TDLC32–144×12	32	8.89	144	2900	22	Y180L–2
65TDLC32–168×14	32	8.89	168	2900	30	Y200L–2
65TDLC40–24×2	40	11.11	24	2900	5.5	$Y132S_1$–2
65TDLC40–36×3	40	11.11	36	2900	5.5	$Y132S_1$–2
65TDLC40–48×4	40	11.11	48	2900	7.5	$Y132S_2$–2
65TDLC40–60×5	40	11.11	60	2900	11	$Y160M_1$–2
65TDLC40–72×6	40	11.11	72	2900	15	$Y160M_2$–2
65TDLC40–84×7	40	11.11	84	2900	15	$Y160M_2$–2
65TDLC40–96×8	40	11.11	96	2900	18.5	Y160L–2
65TDLC40–108×9	40	11.11	108	2900	22	Y180L–2
65TDLC40–120×10	40	11.11	120	2900	22	Y180L–2
65TDLC40–132×11	40	11.11	132	2900	30	Y200L–2

泵 性 能 表 Performance Data Table

型号 Type / 参数 Parameter	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m³/h	级数	m	r/min	kW	kW		%	kg
150TDLC50–20×× 50		1	20	2950	3.9	5.5	Y132S₁–2	70	480+90N
		2	40		7.8	11	Y160M₁–2		510+90N
		3	60		11.7	18.5	Y160L–2		540+90N
		4	80		15.6	22	Y180M–2		570+90N
		5	100		19.5	30	Y200L₁–2		600+90N
		6	120		23.4	37	Y200L₂–2		630+90N
		7	140		27.3	37	Y200L₂–2		660+90N
150TDLC100–18×× 100		1	18	2950	6.8	11	Y160M₁–2	72	600+100N
		2	36		13.6	22	Y180M–2		630+100N
		3	54		20.4	30	Y200L₁–2		660+100N
		4	72		27.3	37	Y200L₂–2		690+100N
		5	90		34.1	45	Y225M–2		720+100N
		6	108		40.9	55	Y250M–2		750+100N
		7	126		47.7	75	Y280S–2		780+100N
		8	144		54.5	75	Y280S–2		810+100N
150TDLC140–15×× 140		1	15	2950	7.8	11	Y160M₁–2	73	600+100N
		2	30		15.7	22	Y180M–2		630+100N
		3	45		23.5	37	Y200L₂–2		660+100N
		4	60		31.4	45	Y225M–2		690+100N
		5	75		39.2	55	Y250M–2		720+100N
		6	90		47.0	75	Y280S–2		750+100N
		7	105		54.9	75	Y280S–2		780+100N
		8	120		62.7	90	Y280M–2		810+100N
		9	135		70.6	90	Y280M–2		840+100N
150TDLC200–20×× 200		1	20	2950	14.9	22	Y180M–2	73	720+150N
		2	40		29.9	45	Y225M–2		780+150N
		3	60		44.8	55	Y250M–2		860+150N
		4	80		59.7	75	Y280S–2		920+150N
		5	100		74.7	90	Y280M–2		980+150N
		6	120		89.6	110	Y315S–2		1040+150N
200TDLC300–14.5	240		16.4	1480	14.5	22	Y180L–4	74.3	900+170N
	300		14.5		15.6			76.0	
	360		11.8		17.4			66.5	
200TDLC300–19	240		21.3	1480	18.2	30	Y200L–4	76.6	900+170N
	300		19		20.4			76.2	
	360		15.4		21.3			70.7	
200TDLC300–23	240		25.3	1480	21.6	37	Y225S–4	76.7	900+170N
	300		23		24.7			76.1	
	360		20.2		28.1			70.6	

泵 性 能 表 Performance Data Table

型号 Type / 参数 Parameter	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m^3/h	L/s	m	r/min	kW	kW		%	kg
200TDLC300–14.5×2	240	66.7	32.8	1480	29	45	Y225M–4	74.3	1020+170N
	300	83.3	29		31.2			76	
	360	100	23.6		34.8			66.5	
200TDLC300–19×2	240	66.7	42.6	1480	36.4	55	Y250M–4	76.6	1020+170N
	300	83.3	38		40.8			76.2	
	360	100	30.8		42.6			70.7	
200TDLC300–23×2	240	66.7	50.6	1480	43.2	75	Y280S–4	76.7	1020+170N
	300	83.33	46		49.4			76.1	
	360	100	40.4		56.2			70.6	
200TDLC300–19×3	240	66.7	63.9	1480	54.6	75	Y280S–4	76.6	1140+170N
	300	83.33	57		61.2			76.2	
	360	100	46.2		63.9			70.7	
200TDLC300–23×3	240	66.7	75.9	1480	64.8	110	Y315S–4	76.7	1140+170N
	300	83.3	69		74.1			76.1	
	360	100	60.6		84.3			70.6	
200TDLC300–23×4	240	66.7	100.8	1480	86.0	132	Y315M–4	76.7	1260+170N
	300	83.3	92		98.4			76.1	
	360	100	81.6		111.2			70.6	
250TDLC450–21	360	100	23.1	1480	30.4	45	Y225M–4	74	1200+250N
	450	125	21		32.6			79	
	540	150	18.2		35.4			75	
250TDLC400–21A	320	88.9	18.9	1480	21.7	37	Y225S–4	76	1200+250N
	400	111.1	16.6		23.5			76.5	
	480	133.3	13.3		26.2			66	
250TDLC450–32	360	100	34.8	1480	44.4	75	Y280S–4	74.7	1280+250N
	450	125	32		50.6			77.5	
	540	150	28.9		56.8			76.8	
250TDLC400–32A	320	88.9	30.7	1480	34.7	55	Y250M–4	76	1280+250N
	400	111.1	28		39.7			77	
	480	133.3	24.9		44.8			72.7	
250TDLC450–21×2	360	100	46.2	1480	60.8	90	Y280M–4	74	1400+250N
	450	125	42		65.2			79	
	540	150	36.4		70.8			75	
250TDLC450–32×2	360	100	69.6	1480	88.8	160	Y315L₁–4	74.7	1500+250N
	450	125	64		101.2			77.5	
	540	150	57.8		113.6			76.8	
250TDLC400–32A×2	320	88.9	61.4	1480	69.4	110	Y315S–4	76	1500+250N
	400	111.1	56		79.4			77	
	480	133.3	49.8		89.6			72.7	

泵 性 能 表 Performance Data Table

型号 Type / 参数 Parameter	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m^3/h	L/s	m	r/min	kW	kW		%	kg
250TDLC450–32×3	360	100	104.4	1480	133.2	220	Y355M1–4	74.7	1720+250N
	450	125	96		151.8			77.5	
	540	150	86.7		170.4			76.8	
250TDLC400–32A×3	320	88.9	92.1	1480	104.1	160	Y315L1–4	76	1500+250N
	400	111.1	84		119.1			77	
	480	133.3	74.7		134.4			72.7	
300TDLC660–25	540	150	27.5	1480	54.7	75	Y280S–4	74	1340+270N
	660	183.3	25		56.6			79.5	
	750	208.3	21.6		58.9			75	
300TDLC600–25A	490	136.1	22.8	1480	41.8	55	Y250M–4	73	1340+270N
	600	166.8	21		42.9			79	
	680	188.9	17.9		45.0			74	
300TDLC660–39	540	150	43	1480	85.5	132	Y315M–4	74	1480+270N
	660	183.3	39		88.8			79	
	750	208.3	35.6		97.0			75	
300TDLC600–39A	490	136.1	35.6	1480	65.3	110	Y315S–4	73	1480+270N
	600	166.8	32		67.8			78	
	680	188.9	29.5		74.1			74	
300TDLC660–25×2	540	150	55	1480	109.4	160	Y315L1–4	74	1580+270N
	660	183.3	50		113.1			79.5	
	750	208.3	43.2		117.7			75	
300TDLC660–39×2	540	150	86	1480	171.0	250	Y355M2–4	74	1780+270N
	660	183.3	78		177.6			79	
	750	208.3	71.2		194.0			75	
300TDLC600–39A×2	490	136.1	71.2	1480	130.6	200	Y315L2–4	73	1780+270N
	600	166.8	65		135.5			78	
	680	188.9	59		148.3			74	
350TDLC900–19	750	208.3	22.2	1480	58.1	90	Y280M–4	78	1540+270N
	900	250	19		58.4			81	
	1050	291.7	16.1		60.6			76	
350TDLC850–19A	710	197.2	20	1480	49.8	75	Y280S–4	78	1540+270N
	850	236.1	17		50.7			80	
	980	272.2	14.5		51.5			75	
350TDLC900–30	750	208.3	33.5	1480	90.1	132	Y315M–4	76	1650+320N
	900	250	30		92.0			80.5	
	1050	291.7	25.5		98.6			74	
350TDLC850–30A	710	197.2	30.2	1480	78.2	110	Y315S–4	75	1650+320N
	850	236.1	27		80.5			79	
	980	272.2	23		85.7			73	

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m^3/h	L/s	m	r/min	kW	kW		%	kg
350TDLC810–30B	675	187.5	27.4	1480	68.1	90	Y280M–4	74	1650+320N
	810	225	25		69.3			78	
	945	262.5	20.7		74.0			72	
350TDLC900–48	750	208.3	51.8	1480	143.1	200	$Y315L_2$–4	74	1750+320N
	900	250	48		146.8			80	
	1050	291.7	42.5		162.1			75	
350TDLC850–48A	710	197.2	46.7	1480	122.6	160	$Y315L_1$–4	74	1750+320N
	850	236.1	43		127.4			79	
	980	272.2	38.4		141.1			74	
350TDLC810–48B	675	187.5	42	1480	105.8	160	$Y315L_1$–4	73	1750+320N
	810	225	39		109.8			78	
	945	262.5	34.4		119.7			74	
350TDLC900–30×2	750	208.3	67	1480	180.2	250	$Y355M_2$–4	76	1920+320N
	900	250	60		184.0			80.5	
	1050	291.7	51		197.2			74	
350TDLC850–30A×2	710	197.2	60.5	1480	156.7	220	$Y355M_1$–4	75	1920+320N
	850	236.1	54		160.7			79	
	980	272.2	46		171.4			73	
350TDLC810–30B×2	675	187.5	54.8	1480	136.2	200	$Y315L_2$–4	74	1920+320N
	810	225	49		138.1			78	
	945	262.5	41.4		148.1			72	
400TDLC1320–25	1050	291.7	28.3	1480	106.6	160	$Y315L_1$–4	76	2170+380N
	1320	366.7	25		109.7			82	
	1500	416.7	22		116.8			77	
400TDLC1250–25A	1000	277.8	25.4	1480	92.5	132	Y315M–4	75	2170+380N
	1250	347.2	23		95.3			81	
	1430	397.2	19.5		101.7			76	
400TDLC1320–39	1050	291.7	44.3	1480	169.0	250	$Y315M_2$–4	75	2280+380N
	1320	366.7	39		172.1			81.5	
	1500	416.7	34.3		186.9			75	
400TDLC1250–39A	1000	277.8	40	1480	147.0	200	$Y315L_2$–4	74	2280+380N
	1250	347.2	35		148.5			81	
	1430	397.2	31		162.7			74	
400TDLC1200–39B	950	263.9	35.5	1480	124.9	160	$Y315L_1$–4	74	2280+380N
	1200	333.3	31		127.9			80	
	1350	375	27.8		140.1			73	
400TDLC1320–25×2	1050	291.7	56.6	1480	213.1	315	$Y355L_2$–4	76	2520+380N
	1320	366.7	50		219.3			82	
	1500	416.7	44		233.6			77	

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m³/h	L/s	m	r/min	kW	kW		%	kg
400TDLC1250-25A×2	1000	277.8	51	1480	184.9	250	Y355M₂-4	75	2520+380N
	1250	347.2	45		190.7			81	
	1430	397.2	39.8		203.3			76	
400TDLC1320-62	1050	291.7	68.5	1480	257.9	355	YLS4001-4	76	2650+400N
	1320	366.7	62		274.9			81	
	1500	416.7	56.6		308.5			75	
400TDLC1250-62A	1000	277.8	61.8	1480	224.1	315	YLS3556-4	75	2650+400N
	1250	347.2	56		238.8			80	
	1430	397.2	51.1		268.1			74	
400TDLC1200-62B	950	263.9	55.5	1480	193.1	280	YLS3555-4	74	2650+400N
	1200	333.3	50		202.7			80	
	1350	375	45.8		227.7			74	
450TDLC1740-17	1500	416.7	19.7	980	98.2	132	Y315L₂-6	82	2540+450N
	1740	483.3	17		98.8			83.5	
	1920	533.3	15.7		108.1			76	
450TDLC1650-17A	1425	395.8	17.8	980	84.8	110	Y315L₁-6	81.5	2540+450N
	1650	459.2	15.7		85.2			83	
	1825	506.7	14.2		94.1			75	
450TDLC1740-27	1500	416.7	29.8	980	152.3	220	Y355L₁-6	80	2650+500N
	1740	483.3	27		155.4			83	
	1920	533.3	25		169.9			77	
450TDLC1650-27A	1425	395.8	26.9	980	133.9	200	Y355M₃-6	78	2650+500N
	1650	459.2	24.5		134.6			82	
	1825	506.7	22.6		147.8			76	
450TDLC1566-27B	1350	375	24.1	980	113.7	160	Y355M₁-6	78	2650+500N
	1566	435	22		115.9			81	
	1728	480	20.3		127.5			75	
450TDLC1740-43	1500	416.7	46.2	980	245.3	315	YLS4003-6	77	2800+500N
	1740	483.3	43		249.2			82	
	1920	533.3	40.5		278.8			76	
450TDLC1650-43A	1425	395.8	41.7	980	213.1	280	YLS4002-6	76	2800+500N
	1650	459.2	39		216.3			81	
	1825	506.7	36.6		242.6			75	
450TDLC1566-43B	1350	375	37.4	980	183.5	250	YLS3556-6	75	2800+500N
	1566	435	35		185.0			80.5	
	1728	480	32.8		205.9			75	
450TDLC1740-27×2	1500	416.7	59.6	980	304.5	400	YLS4005-6	80	3100+500N
	1740	483.3	54		310.8			83	
	1920	533.3	50		339.7			77	

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m³/h	L/s	m	r/min	kW	kW		%	kg
450TDLC1650-27A×2	1425	395.8	53.8	980	267.8	355	YLS4004-6	78	3100+500N
	1650	459.2	49		269.7			82	
	1825	506.7	45.1		295.0			76	
500TDLC2160-20	1920	533.3	21	980	137.3	200	Y355M3-6	80	3600+900N
	2160	600	20		139.3			84.5	
	2400	666.7	17.8		147.4			79	
500TDLC2052-20A	1824	506.7	19	980	119.5	185	Y355M2-6	79	3600+900N
	2052	570	18		120.5			84	
	2280	633.3	16.1		128.2			78	
500TDLC2160-31	1920	533.3	34	980	222.4	280	YLS4002-6	80	4000+900N
	2160	600	31		220.0			84	
	2400	666.7	28.5		235.9			79	
500TDLC2052-31A	1824	506.7	30.7	980	193.4	250	YLS3556-6	79	4000+900N
	2052	570	28.3		190.7			83	
	2280	633.3	25.7		204.7			78	
500TDLC1944-31B	1728	480	27.5	980	163.9	220	YLS3555-6	79	4000+900N
	1944	540	25.4		163.1			82.5	
	2160	600	23.1		176.6			77	
500TDLC2160-50	1920	533.3	52.8	980	347.5	450	YLS4501-6	79.5	4300+900N
	2160	600	50		353.2			83	
	2400	666.7	46.1		386.5			77	
500TDLC2052-50A	1824	506.7	47.7	980	300.1	400	YLS4005-6	79	4300+900N
	2052	570	45		306.2			81	
	2280	633.3	41.6		335.7			77	
500TDLC1944-50B	1728	480	42.8	980	258.4	355	YLS4004-6	78	4300+900N
	1944	540	40.3		263.6			81	
	2160	600	37.3		285.1			77	
500TDLC2160-31×2	1920	533.3	68	980	444.7	560	YLS4503-6	80	4600+900N
	2160	600	62		440.1			84	
	2400	666.7	57		471.9			79	
500TDLC2052-31A×2	1824	506.7	61.4	980	386.3	500	YLS4502-6	79	4600+900N
	2052	570	56.7		382.0			83	
	2280	633.3	51.4		409.4			78	
600TDLC3000-25	2400	666.7	29.7	980	239.8	315	YLS4003-6	81	4800+1060N
	3000	833.3	25		238.8			85.6	
	3420	950	21.6		245.5			82	
600TDLC2850-25A	2280	633.3	26.8	980	208.1	280	YLS4002-6	80	4800+1060N
	2850	791.7	22.6		206.5			85	
	3249	902.5	19.5		213.1			81	

泵 性 能 表 Performance Data Table

参数 Parameter / 型号 Type	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m^3/h	L/s	m	r/min	kW	kW		%	kg
600TDLC3000-39	2400	666.7	43.9	980	354.5	450	YLS4501-6	81	5340+1060N
	3000	833.3	39		375.1			85	
	3420	950	34.3		389.8			82	
600TDLC2850-39A	2280	633.3	39.6	980	303.8	400	YLS4005-6	81	5340+1060N
	2850	791.7	35.2		325.4			84	
	3249	902.5	31		338.8			81	
600TDLC2700-39B	2160	600	35.6	980	262.2	355	YLS4004-6	80	5340+1060N
	2700	750	31.6		278.4			83.5	
	3078	855	27.8		287.9			81	
600TDLC3000-62	2400	666.7	68.2	980	550.1	710	YLS5001-6	81	5440+1060N
	3000	833.3	62		599.2			84.5	
	3420	950	56.7		651.7			81	
600TDLC2850-62A	2280	633.3	61.6	980	477.9	630	YLS4504-6	80	5440+1060N
	2850	791.7	56		523.5			83	
	3249	902.5	51.1		564.9			80	
600TDLC2700-62B	2160	600	55.3	980	411.6	560	YLS4503-6	79	5440+1060N
	2700	750	50.2		452.7			82	
	3078	855	45.9		486.8			79	
700TDLC3900-20	3420	950	22.6	740	253.5	315	YLS4501-8	83	5230+1200N
	3900	1083.3	20		252.1			85.5	
	4380	1216.7	17.9		254.1			84	
700TDLC3705-20A	3249	902.5	20.4	740	220	280	YLS4005-8	82	5230+1200N
	3705	1029.2	18.3		219.7			84	
	4161	1155.8	16.2		221.1			81	
700TDLC3900-32	3420	950	33.4	740	388.7	450	YLS4505-8	80	5440+1200N
	3900	1083.3	32		400.6			84	
	4380	1216.7	27.3		401.9			81	
700TDLC3705-32A	3249	902.5	30.1	740	337.0	400	YLS4504-8	79	5440+1200N
	3705	1029.2	28.6		347.5			83	
	4161	1155.8	24.6		348.3			80	
700TDLC3510-32B	3078	855	27.1	740	291.1	355	YLS4502-8	78	5440+1200N
	3510	975	25.7		299.5			82	
	3942	1095	22.1		300.2			79	
700TDLC3900-50	3420	950	53.6	740	623.8	800	YLS5601-8	80	5760+1200N
	3900	1083.3	50		635.7			84	
	4380	1216.7	46.3		681.6			81	
700TDLC3705-50A	3249	902.5	48.4	740	541.9	710	YLS5004-8	79	5760+1200N
	3705	1029.2	45.4		551.7			83	
	4161	1155.8	41.8		591.8			80	

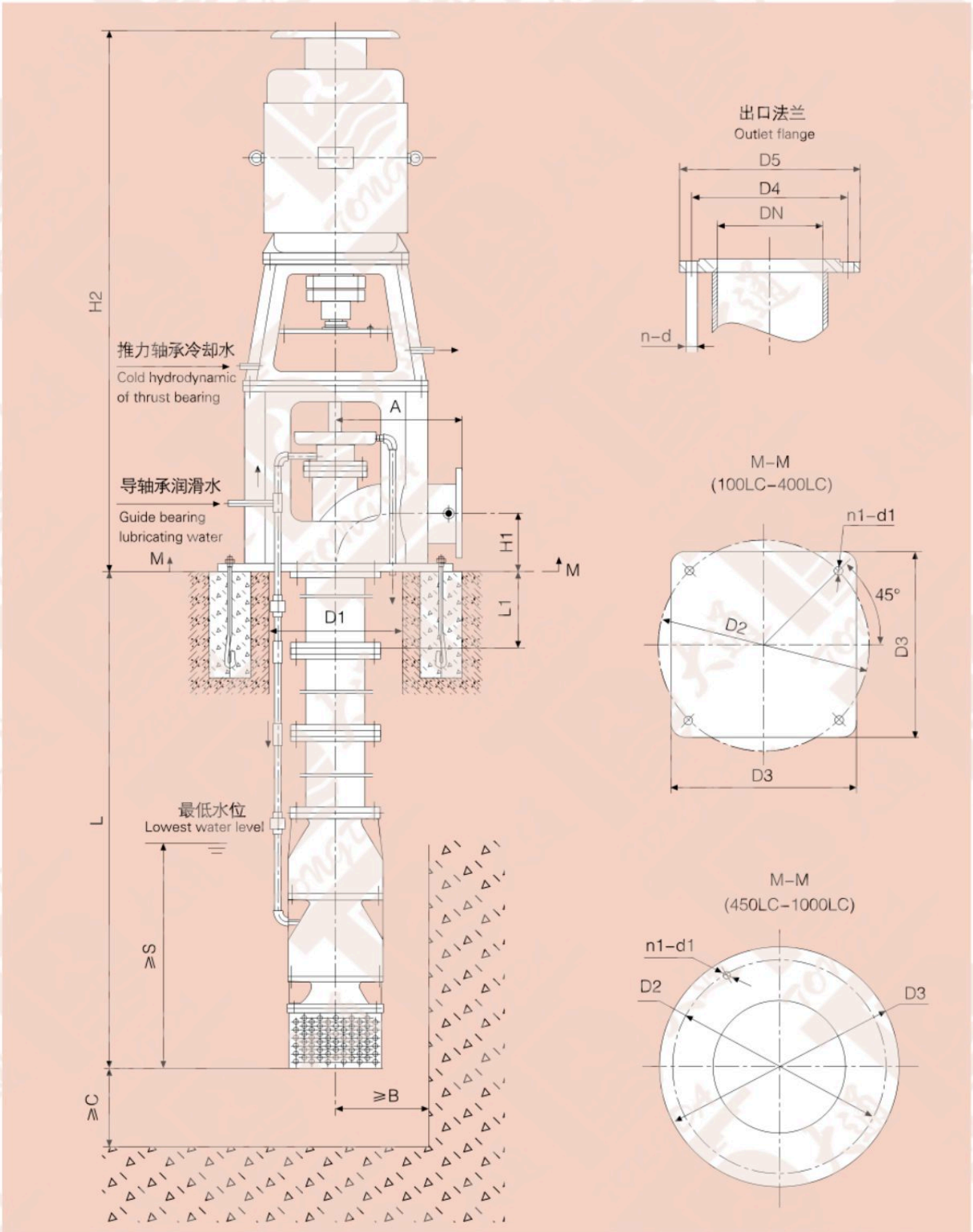
泵 性 能 表 Performance Data Table

型号 Type / 参数 Parameter	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m^3/h	L/s	m	r/min	kW	kW		%	kg
700TDLC3510-50B	3078	855	43.4	740	466.2	560	YLS5002-8	78	5760+1200N
	3510	975	40.7		474.3			82	
	3942	1095	37.5		515.9			78	
800TDLC5100-24	4380	1216.7	27.4	740	398.4	500	YLS5001-8	82	6120+1380N
	5100	1416.7	24		401.6			84	
	5600	1555.6	22		419.2			80	
800TDLC4845-24A	4161	1155.8	24.7	740	349.7	450	YLS4505-8	81	6120+1380N
	4845	1345.8	21.9		348.3			83	
	5320	1477.8	19.9		364.8			79	
800TDLC5100-38	4380	1216.7	41.4	740	602.0	710	YLS5004-8	82	6340+1380N
	5100	1416.7	38		626.4			84	
	5600	1555.6	34.8		663.2			80	
800TDLC4845-38A	4161	1155.8	37.4	740	518.5	630	YLS5003-8	81	6340+1380N
	4845	1345.8	34.2		543.4			83	
	5320	1477.8	31.4		575.6			79	
800TDLC4590-38B	3942	1095	33.5	740	449.4	560	YLS5002-8	80	6340+1380N
	4590	1275	30.7		467.8			82	
	5040	1400	28.2		502.5			77	
800TDLC5100-60	4380	1216.7	64.8	740	953.9	1120	YLS6031-8	81	6670+1380N
	5100	1416.7	60		995.0			84	
	5600	1555.6	56.7		1054.1			82	
800TDLC4845-60A	4161	1155.8	58.5	740	821.1	1000	YLS5603-8	80	6670+1380N
	4845	1345.8	54.3		862.8			83	
	5320	1477.8	51.2		915.4			81	
800TDLC4590-60B	3942	1095	52.5	740	713.1	900	YLS5602-8	79	6670+1380N
	4590	1275	48.8		743.6			82	
	5040	1400	45.9		787.2			80	
900TDLC6300-21	5600	1555.6	22.9	590	425.7	500	YLS5003-10	82	7120+1630N
	6300	1750	21		424.7			84	
	7000	1944.4	18.6		443.0			80	
900TDLC5985-21A	5320	1477.8	20.7	590	370.1	450	YLS5002-10	81	7120+1630N
	5985	1662.5	18.8		371.3			82.5	
	6650	1847.2	16.8		385.4			79	
900TDLC6300-33	5600	1555.6	35.1	590	652.6	800	YLS6302-10	82	7410+1630N
	6300	1750	33		665.6			84	
	7000	1944.4	29.7		707.4			80	
900TDLC5985-33A	5320	1477.8	31.7	590	566.8	710	YLS5602-10	81	7410+1630N
	5985	1662.5	29.4		577.1			83	
	6650	1847.2	26.8		614.1			79	

泵 性 能 表 Performance Data Table

型号 Type / 参数 Parameter	流量 Capacity Q		扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配带电动机 Motor		效率 Eff. η	泵重 Weight
						功率 Power	型号 Type		
	m^3/h	L/s	m	r/min	kW	kW		%	kg
900TDLC5670-33B	5040	1400	28.4	590	487.1	630	YLS5005-10	80	7410+1630N
	5670	1575	26.4		496.9			82	
	6300	1750	24.1		529.9			78	
900TDLC6300-52	5600	1555.6	56.7	590	1073.8	1250	YLS6303-10	80.5	7820+1630N
	6300	1750	52		1081.3			82	
	7000	1944.4	48.3		1180.0			78	
900TDLC5985-52A	5320	1477.8	51.2	590	938.6	1120	YLS6302-10	79	7820+1630N
	5985	1662.5	46.7		939.3			81	
	6650	1847.2	43.6		1025.0			77	
900TDLC5670-52B	5040	1400	45.9	590	807.4	1000	YLS6301-10	78	7820+1630N
	5670	1575	42		808.4			80	
	6300	1750	39.1		882.3			76	
1000TDLC8400-25	7000	1944.4	28.7	590	667.6	800	YLS5602-10	82	8240+1950N
	8400	2333.3	25		678.6			85	
	9400	2611.1	22.4		708.4			81	
1000TDLC7980-25A	6650	1847.2	25.8	590	577.2	710	YLS5601-10	81	8240+1950N
	7980	2216.7	22.7		587.7			84	
	8930	2480.1	20.2		614.3			80	
1000TDLC8400-39	7000	1944.4	43.7	590	1029.1	1250	YLS6303-10	81	8510+1950N
	8400	2333.3	39		1061.0			85	
	9400	2611.1	35.1		1112.1			82	
1000TDLC7980-39A	6650	1847.2	39.4	590	892.5	1120	YLS6302-10	80	8510+1950N
	7980	2216.7	35.2		911.3			84	
	8930	2480.1	32.1		964.2			81	
1000TDLC7560-39B	6300	1750	35.4	590	759.7	900	YLS5603-10	80	8510+1950N
	7560	2100	31.9		791.8			83	
	8460	2350	28.8		830.0			80	
1000TDLC8400-63	7000	1944.4	68.2	590	1606.0	2000	YL2000-10/ 1730-1	81	8920+1950N
	8400	2333.3	63		1705.8			84	
	9400	2611.1	58.1		1860.3			80	
1000TDLC7980-63A	6650	1847.2	61.6	590	1395.3	2000	YL2000-10 /1730-1	80	8920+1950N
	7980	2216.7	56.5		1480.3			83	
	8930	2480.1	52.4		1593.6			80	
1000TDLC7560-63B	6300	1750	55.2	590	1199.6	1600	YL1600-10 /1730-1	79	8920+1950N
	7560	2100	50.7		1273.7			82	
	8460	2350	47.1		1345.2			79	

外形安装尺寸图
Installation dimensions of the whole shape



外形安装尺寸表
Installation dimensions table of the whole shape

泵型号 Type	A	B	C	D_1	D_2	D_3	n1–d1	H_1	H_2	L	L_1	S
100TDLC50–20	300	200	150	ϕ300	ϕ300	500	4–ϕ24(M20x400)	150	1195	500+L1+1400N	200~1200	500
100TDLC50–20×2									1295	635+L1+1400N		
100TDLC50–20×3									1340	770+L1+1400N		
100TDLC50–20×4									1310	905+L1+1400N		
100TDLC50–20×5									1540	1040+L1+1400N		
100TDLC50–20×6									1540	1175+L1+1400N		
100TDLC50–20×7									1540	1310+L1+1400N		
150TDLC100–18	380	200	150	ϕ400	ϕ650	660	4–ϕ24(M20x400)	170	1515	550+L1+1400N	200~1200	550
150TDLC100–18×2									1640	685+L1+1400N		
150TDLC100–18×3									1760	820+L1+1400N		
150TDLC100–18×4									1760	955+L1+1400N		
150TDLC100–18×5									1815	1090+L1+1400N		
150TDLC100–18×6									1915	1225+L1+1400N		
150TDLC100–18×7									2000	1360+L1+1400N		
150TDLC100–18×8									2000	1495+L1+1400N		
150TDLC140–15	380	200	150	ϕ400	ϕ650	660	4–ϕ24(M20x400)	170	1515	550+L1+1400N	200~1200	550
150TDLC140–15×2									1640	685+L1+1400N		
150TDLC140–15×3									1760	820+L1+1400N		
150TDLC140–15×4									1815	955+L1+1400N		
150TDLC140–15×5									1915	1090+L1+1400N		
150TDLC140–15×6									2000	1225+L1+1400N		

外形安装尺寸表

Installation dimensions table of the whole shape

泵型号Type	A	B	C	D_1	D_2	D_3	n1–d1	H_1	H_2	L	L_1	S
150TDLC140–15×7	380	200	150	φ400	φ650	660	4–φ24	170	2000	1360+L_1+1400N	200~1200	550
150TDLC140–15×8									2050	1495+L_1+1400N		
150TDLC140–15×9									2050	1630+L_1+1400N		
150TDLC200–20	380	200	150	φ400	φ650	660	4–φ24(M20x400)	170	1640	600+L_1+1400N	200~1200	550
150TDLC200–20×2									1815	735+L_1+1400N		
150TDLC200–20×3									1915	870+L_1+1400N		
150TDLC200–20×4									2000	1005+L_1+1400N		
150TDLC200–20×5									2050	1140+L_1+1400N		
150TDLC200–20×6									2310	1275+L_1+1400N		
200TDLC–14.5	420	250	200	φ500	φ750	700	4–φ24(M20x400)	225	1850	600+L_1+1400N	200~1200	750
200TDLC–19									1930	600+L_1+1400N		
200TDLC–23									1960	600+L_1+1400N		
200TDLC–19×2									2115	910+L_1+1400N		
200TDLC–14.5×2									2015	910+L_1+1400N		
200TDLC–23×2									2200	910+L_1+1400N		
200TDLC–19×3									2200	1220+L_1+1400N		
200TDLC–23×3									2470	1220+L_1+1400N		
200TDLC–23×4									2570	1530+L_1+1400N		
250TDLC–21	500	300	250	φ550	φ850	1000	4–φ24(M20x400)	275	2180	755+L_1+1400N	200~1200	900
250TDLC–21A									2155	755+L_1+1400N		
250TDLC–32									2365	755+L_1+1400N		
250TDLC–32A									2280	755+L_1+1400N		
250TDLC–21×2									2415	1125+L_1+1400N		
250TDLC–32×2									2735	1125+L_1+1400N		
250TDLC32A×2									2635	1125+L_1+1400N		
250TDLC–32×3									2920	1495+L_1+1400N		
250TDLC–32A×3									2735	1495+L_1+1400N		

外形安装尺寸表

Installation dimensions table of the whole shape

泵型号Type	A	B	C	D_1	D_2	D_3	n1–d1	H_1	H_2	L	L_1	S
300TDLC660–25	500	350	250	ϕ650	ϕ950	1000	4–ϕ24(M20x500)	330	2465	915+L_1+1400N	200~1200	1050
300TDLC600–25A									2330			
300TDLC660–39									2785	970+L_1+1400N		
300TDLC600–39A									2685			
300TDLC660–25×2									2785	1315+L_1+1400N		
300TDLC660–39×2									2970	1405+L_1+1400N		
300TDLC600–39A×2									2785			
350TDLC900–19	600	400	300	ϕ750	ϕ1100	1100	4–ϕ24(M20x500)	380	2540	1120+L_1+1400N	200~1200	1250
350TDLC850–19A									2490			
350TDLC900–30									2860	1070+L_1+1400N		
350TDLC850–30A									2760			
350TDLC810–30B									2540			
350TDLC900–48									2860	1120+L_1+1400N		
350TDLC850–48A									2860			
350TDLC810–48B									2860			
350TDLC900–30×2									3045	1500+L_1+1400N		
350TDLC850–30A×2									3045			
350TDLC810–30B×2									2860			
400TDLC1320–25	600	500	300	ϕ850	ϕ1250	1200	4–ϕ24(M20x500)	430	2900	1170+L_1+1400N	200~1200	1350
400TDLC1250–25A									2900			
400TDLC1320–39									3085			
400TDLC1250–39A									2900			
400TDLC1200–39B									2900			
400TDLC1320–25×2									3085	1660+L_1+1400N		
400TDLC1250–25A×2									3085			
400TDLC1320–62									3600	1190+L_1+1400N		
400TDLC1250–62A									3520			
400TDLC1200–62B									3520			
450TDLC1740–17	650	600	350	ϕ950	ϕ1350	1420	4–ϕ24(M20x500)	480	2970	1280+L_1+1400N	200~1200	1600
450TDLC1650–17A									2970			
450TDLC1740–27									3265			
450TDLC1650–27A									3265			
450TDLC1566–27B									3265			
450TDLC1740–43									3700			
450TDLC1650–43A									3700			
450TDLC1566–43B									3620			
450TDLC1740–27×2									3700	1860+L_1+1400N		
450TDLC1650–27A×2									3700			

外形安装尺寸表

Installation dimensions table of the whole shape

泵型号Type	A	B	C	D_1	D_2	D_3	n1–d1	H_1	H_2	L	L_1	S
500TDLC2160–20	700	650	350	ϕ1050	ϕ1500	ϕ1580	4–ϕ24(M20x500)	535	3205	1500+L_1+2250N	200~2000	1750
500TDLC2052–20A									3205	1500+L_1+2250N		
500TDLC2160–31									4020	1500+L_1+2250N		
500TDLC2052–31A									3410	1500+L_1+2250N		
500TDLC1944–31B									3410	1500+L_1+2250N		
500TDLC2160–50									3690	1570+L_1+2250N		
500TDLC2052–50A									3490	1570+L_1+2250N		
500TDLC1944–50B									3490	1570+L_1+2250N		
500TDLC2160–31×2									4540	2130+L_1+2250N		
500TDLC2052–31A×2									4540	2130+$L_1$2250N		
600TDLC3000–25	800	700	300	ϕ1200	ϕ1700	ϕ1780	4–ϕ24(M20x500)	600	3690	1750+L_1+2250N	200~2000	1900
600TDLC2850–25A									3690	1750+L_1+2250N		
600TDLC3000–39									3890	1750+L_1+2250N		
600TDLC2850–39A									3690	1750+L_1+2250N		
600TDLC2700–39B									3690	1750+L_1+2250N		
600TDLC3000–62									4040	1800+L_1+2250N		
600TDLC2850–62A									3890	1800+L_1+2250N		
600TDLC2700–62B	900	850	350	ϕ1350	ϕ1850	ϕ1950	4–ϕ24(M20x500)	700	3890	1800+L_1+2250N	200~2000	2100
700TDLC3900–20									4200	1900+L_1+2250N		
700TDLC3705–20A									4100	1900+L_1+2250N		
700TDLC3900–32									4200	1900+L_1+2250N		
700TDLC3705–32A									4200	1900+L_1+2250N		
700TDLC3510–32B									4200	1900+L_1+2250N		
700TDLC3900–50									4450	2000+L_1+2250N		
700TDLC3705–50A									4350	2000+L_1+2250N		
700TDLC3510–50B									4350	2000+L_1+2250N		
800TDLC5100–24	950	900	400	ϕ1500	ϕ2000	ϕ2100	4–ϕ24(M20x500)	800	4520	2070+L_1+2250N	200~2000	2350
800TDLC4845–24A									4370	2070+L_1+2250N		
800TDLC5100–38									4520	2070+L_1+2250N		
800TDLC4845–38A									4520	2070+L_1+2250N		
800TDLC4590–38B									4520	2070+L_1+2250N		
800TDLC5100–60									4740	2130+L_1+2250N		
800TDLC4845–60A									4620	2130+L_1+2250N		
800TDLC4590–60B									4620	2130+L_1+2250N		

外形安装尺寸表
Installation dimensions table of the whole shape

泵型号Type	A	B	C	D_1	D_2	D3	n1-d1	H_1	H2	L	L1	S
900TDLC6300-21	1050	1000	400	ϕ1700	ϕ2200	ϕ2300	8-ϕ42(M36x800)	900	4750	2300+L_1+2250N	200~2000	2500
900TDLC5985-21A									4750	2300+L_1+2250N		
900TDLC6300-33									4900	2300+L_1+2250N		
900TDLC5985-33A									4900	2300+L_1+2250N		
900TDLC5670-33B									4750	2300+L_1+2250N		
900TDLC6300-52									5020	2360+L_1+2250N		
900TDLC5985-52A									5020	2360+L_1+2250N		
900TDLC5670-52B									5020	2360+L_1+2250N		
1000TDLC8400-25	1150	1200	400	ϕ1900	ϕ2450	ϕ2550	8-ϕ42(M36x800)	1000	5100	2450+L_1+2250N	200~2000	2700
1000TDLC7980-25A									5100	2450+L_1+2250N		
1000TDLC8400-39									5220	2450+L_1+2250N		
1000TDLC7980-39A									5220	2450+L_1+2250N		
1000TDLC7560-39B									5100	2450+L_1+2250N		
1000TDLC8400-63									5760	2550+L_1+2250N		
1000TDLC7980-63A									5760	2550+L_1+2250N		
1000TDLC7560-63B									5710	2550+L_1+2250N		

水泵出口法兰尺寸表
Flange size table of the pump outlet

水泵口径	出口内径DN	D_4	D_5	n-d
100	ϕ100	ϕ180	ϕ220	ϕ220
150	ϕ150	ϕ240	ϕ285	ϕ285
200	ϕ200	ϕ295	ϕ340	ϕ340
250	ϕ250	ϕ350	ϕ395	ϕ395
300	ϕ300	ϕ400	ϕ445	ϕ445
350	ϕ350	ϕ460	ϕ505	ϕ505
400	ϕ400	ϕ515	ϕ565	ϕ565
450	ϕ450	ϕ565	ϕ615	ϕ615
500	ϕ500	ϕ620	ϕ670	ϕ670
600	ϕ600	ϕ725	ϕ780	ϕ780
700	ϕ700	ϕ840	ϕ895	ϕ895
800	ϕ800	ϕ950	ϕ1015	ϕ1015
900	ϕ900	ϕ1050	ϕ1115	ϕ1115
1000	ϕ1000	ϕ1160	ϕ1230	ϕ1230

泵 性 能 表 Performance Date

参数 Parameter / 型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	效率 Eff. η	配带电动机 Motor	
					功率 Power	型号 Type
	L/s	m	r/min	%	kW	
XB2.1/10	10	21	2950	70	7.5	Y132S2-2
XB4.2/10		42			15	Y160M2-2
XB6.3/10		63			22	Y180M-2
XB8.4/10		84			30	Y200L1-2
XB10.5/10		105			37	Y200L2-2
XB12.6/10		126			45	Y225M-2
XB14.7/10		147			55	Y250M-2
XB16.8/10		168			75	Y280S-2
XB1.8/20	20	18	2950	71	11	Y160M1-2
XB3.6/20		36			18.5	Y160L-2
XB5.4/20		54			30	Y200L1-2
XB7.2/20		72			37	Y200L2-2
XB9/20		90			45	Y225M-2
XB10.8/20		108			55	Y250M-2
XB12.4/20		124			75	Y280S-2
XB14.4/20		144			75	Y280S-2
XB16.2/20		162			90	Y280M-2
XB1.6/30		16			11	Y160M1-2
XB3.2/30	30	32	2950	71	22	Y180M-2
XB4.8/30		48			37	Y200L2-2
XB6.4/30		64			45	Y225M-2
XB8/30		80			55	Y250M-2
XB9.6/30		96			75	Y280S-2
XB11.2/30		112			75	Y280S-2
XB12.8/30		128			90	Y280M-2
XB2.1/40	40	21	2950	72	22	Y180M-2
XB4.2/40		42			45	Y225M-2
XB6.3/40		63			75	Y280S-2
XB8.4/40		84			90	Y280M-2
XB10.5/40		105			110	Y315S-2
XB12.6/40		126			132	Y315M-2

注：表中的效率为水泵的最高效率　Note: The efficiency in table is the maximum efficiency of the pump

泵 性 能 表 Performance Date

参数 Parameter / 型号 Type	n=1480r/min				n=1780r/min				n=1350r/min				1630r/min			
	Q (l/s)	H (m)	η (%)	P配 (kW)	Q (l/s)	H (m)	η (%)	P配 (kW)	Q (l/s)	H (m)	η (%)	P配 (kW)	Q (l/s)	H (m)	η (%)	P配 (kW)
XB2.5/60	60	25	74	30	70	36	74	45	55	20	74	22	65	30	74	37
XB5/60		50		55		72		90		40		45		60		75
XB7.5/60		75		90		108		160		60		75		90		110
XB10/60		100		110						80		90		120		160
XB12.5/60		125		160						100		110				
XB2.7/80	80	27	75	37	95	39	75	75	70	22	75	30	85	32	75	55
XB5.4/80		54		75		78		160		44		55		64		110
XB8.1/80		81		110		117		220		66		90		96		160
XB10.8/80		108		160						88		132		108		220
XB13.5/80		135		200						110		160				
XB3.3/100	100	33	75	75	120	47	75	110	90	27	75	45	110	40	75	75
XB6.6/100		66		132		94		200		54		90		80		160
XB9.9/100		99		200		141		315		81		132		120		220
XB13.2/100		132		250						108		200		160		315
XB16.5/100		165		315						135						
XB3.7/120	120	37	76	90	140	53	76	132	110	30	76	75	130	46	76	110
XB7.4/120		74		160		106		280		60		132		92		220
XB11.1/120		111		250		160		400		90		200		138		315
XB14.8/120		148		315						120		250				
XB4.3/160	160	43	77	110	190	62	77	200	140	35	77	90	170	52	77	160
XB8.6/160		86		250		124		400		70		185		104		315
XB12.9/160		129		355						105		280		156		450
XB17.2/160		172		450						140		355				
XB5.2/200	200	52	78	200	240	74	78	315	180	43	78	160	220	62	78	250
XB10.4/200		104		355		148		630		86		280		124		500
XB15.6/200		156		500						129		400				

注：表中的效率为水泵的最高效率　Note: The efficiency in table is the maximum efficiency of the pump

外形安装尺寸图1
Installation dimensions of the whole shape

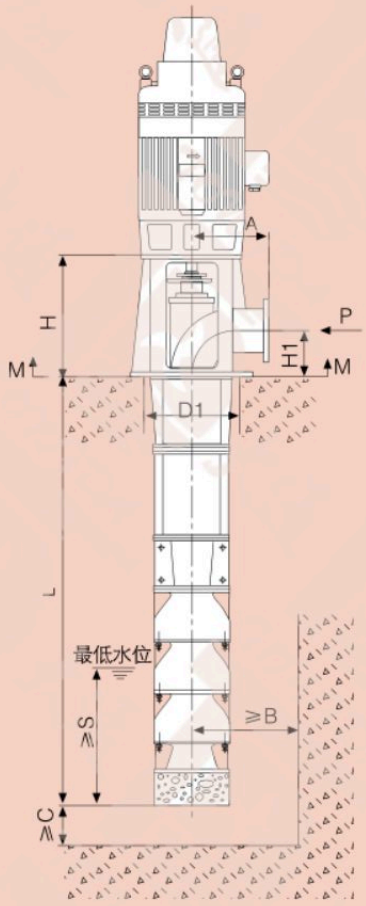


图1泵与带推力轴承的立式电机直联驱动

Figure 1 pump direct-drives with vertical motor with a thrust bearing

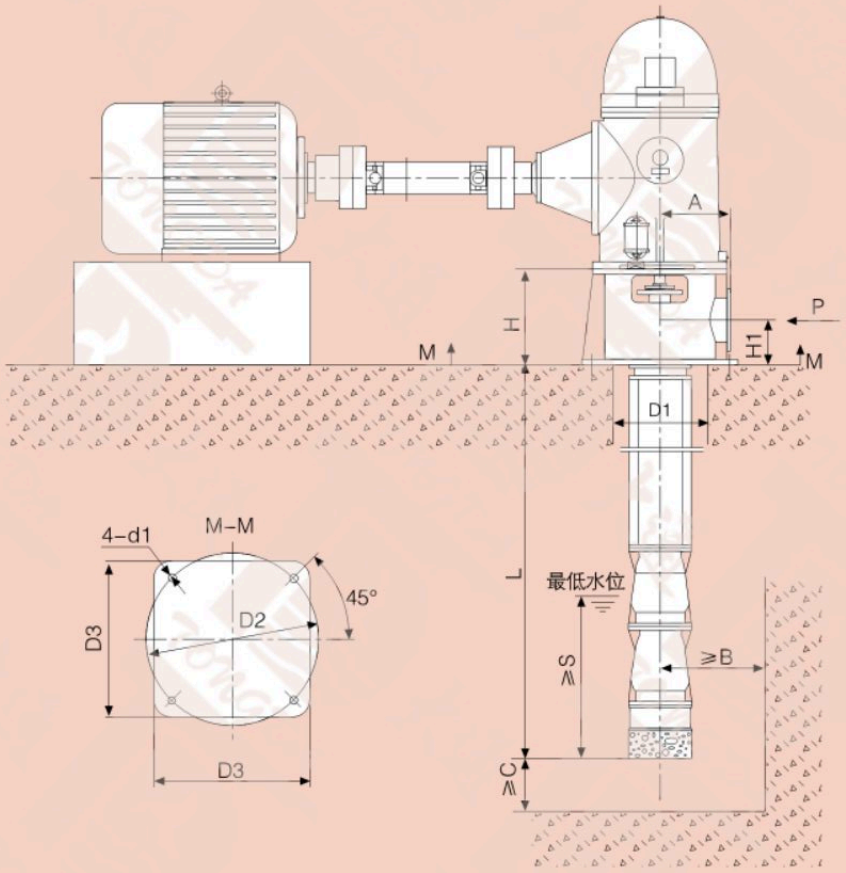


图2泵与卧式电机通过直角齿轮箱驱动

Figure 2 pump and horizontal motor are driven through right angle gear box

外形安装尺寸图2
Installation dimensions of the whole shape

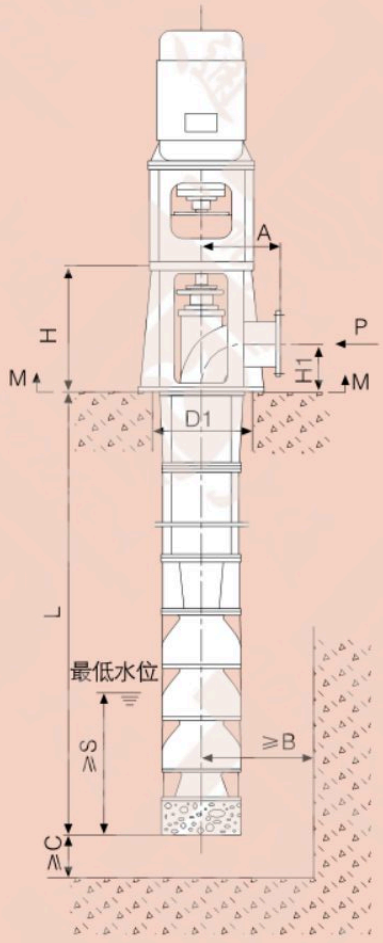


图3泵与普通立式电机直联驱动

Figure 3 pump direct-drives with ordinary motor

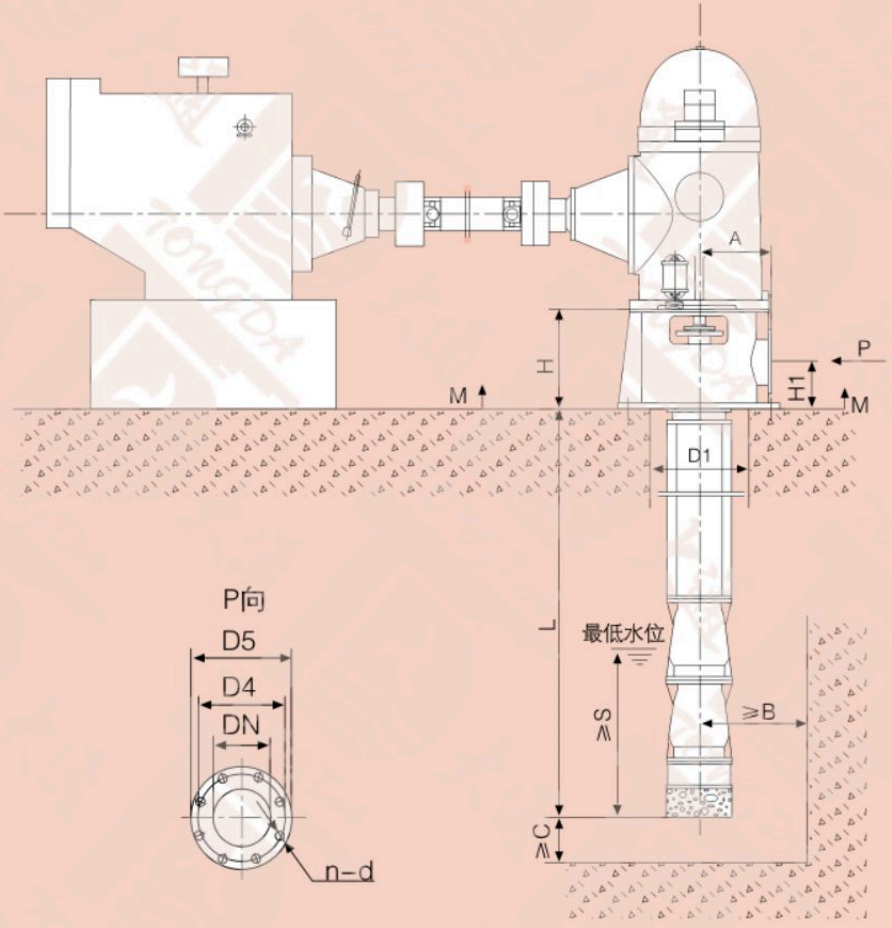


图4泵与柴油机通过直角齿轮箱驱动

Figure 4 pump and diesel engine are driven through right angle gear box

外形安装尺寸表
Installation dimensions table of the whole shape

水泵型号 Type	A	B	C	D1	D2	D3	4-d1	H1	S
XB2.1/10~ XB16.2/20	300	200	150	ϕ300	ϕ600	500	4-ϕ24	150	500
XB1.6/30~ XB12.6/40	380	200	150	ϕ400	ϕ650	660	4-ϕ24	170	550
XB2.5/60~ XB13.5/80	420	250	200	ϕ500	ϕ750	700	4-ϕ24	225	750
XB3.3/100~ XB14.8/120	500	300	250	ϕ550	ϕ850	1000	4-ϕ30	275	900
XB4.3/160~ XB15.6/200	500	350	250	ϕ650	ϕ950	1000	4-ϕ30	330	1050

注：液下深度尺寸L可根据用户要求改变。
Note: Size L of the liquid depth can be changed according to user's requirements.

水泵出口法兰尺寸表
Flange size table of the pump outlet

水泵型号 Type	出口内径DN Outlet diameter DN	D4	D5	n-d	出口法兰压力等级(Mpa) Outlet flange pressure Class (Mpa)
XB2.1/10~ XB10.5/10	ϕ100	ϕ180	ϕ220	8-ϕ18	1.6
XB12.6/10~ XB16.8/10	ϕ100	ϕ190	ϕ235	8-ϕ22	2.5
XB1.8/20~XB9/20	ϕ100	ϕ180	ϕ220	8-ϕ18	1.6
XB10.8/20~XB16.2/20	ϕ100	ϕ190	ϕ235	8-ϕ22	2.5
XB1.6/30~ XB9.6/30	ϕ150	ϕ240	ϕ285	8-ϕ22	1.6
XB11.2/30~ XB12.8/30	ϕ150	ϕ250	ϕ300	8-ϕ26	2.5
XB2.1/40~XB10.5/40	ϕ150	ϕ240	ϕ285	8-ϕ22	1.6
XB12.6/40	ϕ150	ϕ250	ϕ300	8-ϕ26	2.5
XB2.5/60~ XB10/60	ϕ200	ϕ295	ϕ340	12-ϕ22	1.6
XB12.5/60	ϕ200	ϕ310	ϕ360	12-ϕ26	2.5
XB2.7/80~XB8.1/80	ϕ200	ϕ295	ϕ340	12-ϕ22	1.6
XB10.8/80~XB13.5/80	ϕ200	ϕ310	ϕ360	12-ϕ26	2.5
XB3.3/100~ XB9.9/100	ϕ250	ϕ355	ϕ405	12-ϕ26	1.6
XB13.2/100~ XB16.5/100	ϕ250	ϕ370	ϕ425	12-ϕ30	2.5
XB3.7/120~XB7.4/120	ϕ250	ϕ355	ϕ405	12-ϕ26	1.6
XB11.1/120~XB14.8/120	ϕ250	ϕ370	ϕ425	12-ϕ30	2.5
XB4.3/160~ XB8.6/160	ϕ300	ϕ410	ϕ460	12-ϕ26	1.6
XB12.9/160~ XB17.2/160	ϕ300	ϕ430	ϕ485	16-ϕ30	2.5
XB5.2/200~ XB10.4/200	ϕ300	ϕ410	ϕ460	12-ϕ26	1.6
XB15.6/200	ϕ300	ϕ430	ϕ485	16-ϕ30	2.5

安　装

一、水泵安装的好坏，对水泵的平稳运行和使用寿命，有很重要的影响，所以安装校正工作必须仔细地进行，不得草率行事。

二、排出管路应有支架，水泵不允许承受排出管路的负荷。

三、安装水泵的地点应足够宽敞，以方便检修工作。

四、安装顺序

1、按照结构图所示安装水泵，安装顺序为从下到上一节节安装

2、出水弯管底部与基础之间加成对的楔垫。

3、用混凝土浇注地脚螺栓。

4、待混凝土干固后，检查电机支座顶部法兰平面的水平度和地脚螺栓有无松动。

5、根据实际需要配置冷却水管（结构图一所示水泵不需安装冷却水管）。

6、通过调整推力轴承上部或泵联轴器内的调整螺母来提升转子，转子提升量为转子总窜量的1/2。

7、“结构图三”所示水泵可通过调整电机座上的顶丝来调整电机联轴器的中心。

8、检查联轴器的跳动，对于刚性联轴器，水泵和电机联轴器径向跳动和端面跳动小于0.10mm；对于弹性联轴器，水泵和电机联轴器径向偏差和端面间隙符合下表的规定。

INSTALLATION

First, the installation of the pump has a significant impact on the pump's smooth operation and life span, so the installation must be carefully carried out, shall not be acted in haste.
Second, the discharge pipe should has bracket; pump is not allowed to bear the load.
Third, the installation site should be spacious enough to facilitate maintenance work.
Fourth, the installation sequence
1, in accordance with the structure chart, the installation order is from bottom to up and segment by segment
2, between the bottom of pipe outlet and the base there is an addition of wedge.
3, pouring concrete to fix anchor bolts.
4, after the concrete dries, check the degree of flange level at the top of motor bracket and anchor bolts.
5, according to the actual need to configure the cooling water pipe(structure chart one indicates do not need to install the cooling water pipe).
6, by adjusting the thrust bearing top or adjustment nut within the pump coupling to raise the rotor; the capacity adjusting is half of the total amount.
7, "Structure III" shows the motor coupling center can be adjusted by adjusting the top wire on the top of the motor coupling.
8, check the beating of the coupling, for the rigid coupling, pump and motor coupling's radial and face runout is less than 0.10mm; for flexible coupling, pump and motor coupling's radial deviation and face clearance meet the following requirements.

联轴器外径	Coupling OD	170	190	220	260	330	410	640
两联轴器径向偏差	Radial deviation of two couplings	0.07	0.08	0.08	0.08	0.08	0.1	0.1
两联轴器端面间隙	Two couplings' end clearance	4	4	4	5	6	7	8

9、在试验电机的转向前，不能安装电机联轴器和泵联轴器之间的弹性柱销部件（对于弹性联轴器）或联接螺栓（对于刚性联轴器）；因为水泵上可能装有防反转装置（防反转装置是为了保护水泵不被损坏而设置的），如果装上了弹性柱销或联接螺栓，一旦电机的转向与转向牌的方向相反，防反转装置将阻止电机转动，电机电流将急剧上升，有可能损坏电机。（为了保护电机，电机控制柜中必须为每台电机安装过流保护装置）。

五、水泵与出水管路之间，一般需安装闸阀和止回阀，闸阀安装在水泵和止回阀之间。

9, before testing the turning motor, the flexible pin coupling components can not be installed between motor coupling and the pump coupling(for flexible coupling) or connecting bolts (for rigid couplings); because the pump may be installed anti-reverse device (anti-reverse device is to protect the pumps from damage), if fitted with a flexible pin or bolts, and the steering motor and steering plates act in the opposite direction, anti-reverse device will stop motor rotation, motor current will rise sharply, it may damage the motor. (To protect the motor, over-current protection device must be installed in each motor control cabinet).
Fifth, between the pump and the outlet pipe, generally need to install gate valve and check valve; gate valve is installed between the pump and check valve.

启动、停止和运行

一、启动与停止

1、水泵启动前，填料不能压得太紧。

2、按照转向牌的方向用手扳动水泵转子，转子应转动灵活。

3、新水泵第1次启动前、电机接线盒重新接线后、变压器或控制柜的电源线重新接线后等情况下必须试验电机的转向，看“电机的转向”与“转向牌的方向”是否一致，电机转向无误后再安装弹性柱销部件（对于弹性联轴器）或联接螺栓（对于刚性联轴器）。

START, STOP AND RUN

First, start and stop
1, before the start of the pump, filling can not be held down too tight.
2, according to the direction of turning plates to pull the pump rotor by hand; rotating of the rotor should be flexible.
3, before the first start of the new pump, or re-wiring of electrical junction box, or after the re-wiring of transformer or control cabinet power cord etc., must test the motor rotation; check "the direction of rotation" and "direction of steering plates" whether is consistent. Then install the motor flexible pin components (for flexible coupling)or connecting bolts (for rigid coupling).

4、加入合格的润滑脂或润滑油：

对于采用润滑脂润滑的水泵（结构图一所示），加润滑脂时，卸下轴承体侧面的1/4”丝堵（该丝堵与油杯在轴承体上呈对称布置，油杯又称黄油嘴），将油枪的油嘴对准轴承体侧面的油杯并注入合格的润滑脂，当从1/4”螺孔中能看到润滑脂溢出时，表明润滑脂已加满。新水泵出厂前，制造厂已经给推力轴承加好润滑脂（润滑脂的类型为“3号锂基高级润滑脂”）；因此，新水泵第1次启动前，用户不必另外再加润滑脂。

对于采用润滑油润滑的水泵（结构图二、结构图三所示），新水泵第1次启动前，用户必须自行加润滑油（润滑油为30号或40号机油），润滑油的油位可以在圆形油标或管状油标上查看，油位过高或者油位过低都会导致推力轴承发热。水泵每次启动前都必须检查油标的油位。

5、启动前检查基础螺栓有无松动，以及冷却水供应情况，冷却水为清洁软水，导轴承润滑水压力和流量见附表。推力轴承冷却水流量0.3~0.5m³/h，压力0.1~0.2Mpa。

特别提醒：水泵冷却水压力及流量不足，对水泵使用寿命有严重影响。

6、关闭出口闸阀和压力表旋塞，接通水泵的冷却润滑水。

7、接通冷却润滑水五分钟后启动电机，逐渐打开出口闸阀和压力表旋塞，调节到所需工况。

8、当要停止水泵运转时，逐渐关闭出口闸阀和压力表旋塞，然后切断电机的电源。

9、水泵完全停止转动后，再关闭冷却润滑水。

二、运行

1、经常检查推力轴承发热情况，推力轴承温度不应超过75℃。

对于采用润滑脂润滑的水泵（结构图一所示），如果水泵长时间连续运行，则每个月加一次润滑脂；如果水泵间断运行，则可每三个月加一次润滑脂。

对于采用润滑油润滑的水泵（结构图二、结构图三所示），应经常检查油标的油位，定期加油。如发现润滑油有乳化现象，应及时更换。

2、经常检查外接润滑水流量及压力，运行中绝不允许断水（注：输送常温清水并且不带护管时，导轴承不需外接润滑水润滑），对带过滤装置的润滑系统，需定期清洗过滤网。

3、经常检查填料密封的泄漏和发热情况。若泄漏量过大，应更换填料。

4、定期检查联轴器同心度，注意电机轴承温升。

5、运转过程中，如发现噪音或其它不正常的声音时，应立即停止水泵，检查原因，加以消除。

6、不得在水泵允许的范围外运行，以免过载烧坏电机。

7、不得在水泵淹没深度不够的情况下运行，以免发生汽蚀损坏水泵。

多台立式长轴泵并联运行（即多台水泵共用1根出水管道）时，如果有部分水泵没有开机运行，则必须将这些水泵的出口闸阀关死，以防止发生倒灌现象。

4, adding a qualified grease or oil:

For the pump using grease for lubrication (as structure chart one), when adding grease, remove one fourth plugs at the side of the bearing body(the plugs and the oil cup on the body are in a symmetrical arrangement at the bearings, oil cup is also called butter mouth); make the oil gun nozzle aigned bearing oil cups on the side of the body and deliver the grease, when see the grease overflows from one fourth screwholes, that the grease has been filled. Before new water pump left factory, manufacturer has filled grease to the thrust bearing (grease type "advanced lithium grease 3"); Therefore, before the start of the the new pump for the first time, users do not have to add another grease.

For the pump using lubricating oil(as in structure two and three), at the first time you start a new pump, the user must add lubricating oil (oil 30 or 40). Lubricating oil level could be found in round or tubular oil mark. The oil level is too high or too low will cause thrust bearing heating. The oil level should be check each time before the start of pump.

5, before the start check the loose of foundation bolts, and the cooling water supply; cooling water is clean and soft water; guide bearing lubricating water pressure and flow on annex. Thrust bearing cooling water flow rate is 0.3 ~ 0.5m3 / h, pressure is 0.1 ~ 0.2Mpa.

Special note: pump pressure and flow of cooling water shortage, have a significant effect on pump life.

6, close the outlet valve and pressure gauge cock, connect to the cooling water pump lubricating water.

7, five minutes after connecting to the cooling water, start the motor, and gradually open the outlet valve and pressure gauge cock, adjust to the desired condition.

8, when need to stop running the water pump , gradually close the outlet valve and pressure gauge cocks, and then cut off the motor power.

9, when the pump stops completely, turn off the cooling water lubrication.

Second, the operation

1, always check the heat of the thrust bearing, thrust bearing temperature should not exceed 75 ℃.

For the pump using grease lubrication(as structure chart one), if the water pump bears a long time continuous operation, add grease once a month; if the pump works intermittently, you can add grease once every three months.

For the pump using lubricating oil(as structure chart two and three), the oil level should be checked from time to time and add oil regularly. Emulsification of oil is found, oil should be replaced in time.

2, frequently check the flow and pressure of external lubrication water, water supply can not be suspended during operation (Note: When transfer room temperature water and without protection tube, guide bearing do not need external lubrication water). For the lubrication system with filter, it is required to clean the filter regularly.

3, freqently check the packing seal leakage and heat conditions. If there is excessive leak, replace the packing.

4, regularly inspect coupling concentricity, pay attention to the motor bearing temperature rise.

5, during operation, if there is noise or other unusual sound, you should immediately stop the pump, and check the problem to eliminate them.

6, it is not allowed to run the pump out of permission range, to avoid overload of the motor.

7, it is not allowed to use when pump is not submerged deep enough in the case of the cavitation damage.

In the parallel operation of multiple vertical axis pump(ie, multiple pumps sharing a water pipe), if some water pumps do not work, you must shut the outlet of these pumps to prevent intrusion phenomenon.

水泵型号 Type	润滑水压（Mpa）	流量（m³/h）
200TDLC-19、19A、23	0.2~0.3	0.8~1.0
200TDLC-19×2、19A×2、23×2	0.3~0.4	
200TDLC-19×3	0.5~0.6	
200TDLC-23×3	0.6~0.7	
200TDLC-23×4	0.7~0.8	
250TDLC-20、20A	0.2~0.3	1.2~1.4
250TDLC-32、32A、20×2	0.3~0.4	
250TDLC-32×2、32A×2	0.4~0.5	
250TDLC-32×3、32A×3	0.7~0.8	
300TDLC-25、25A	0.2~0.3	
300TDLC-39、39A	0.4~0.5	
300TDLC-25×2、25A×2	0.3~0.4	
300TDLC-39×2、39A×2	0.5~0.6	1.4~1.6
350TDLC-19、19A	0.2~0.3	
350TDLC-30、30A、30B	0.3~0.4	
350TDLC-48、48A、48B	0.5~0.6	
350TDLC-30×2、30A×2、30B×2	0.4~0.5	
400TDLC-25、25A	0.2~0.3	
400TDLC-39、39A、39B	0.4~0.5	
400TDLC-25×2、25A×2	0.3~0.4	
400TDLC-62、62A、62B	0.6~0.7	
450TDLC-17、17A	0.2~0.3	1.6~1.8
450TDLC-27、27A、27B	0.3~0.4	
450TDLC-43、43A、43B	0.5~0.6	
450TDLC-27×2、27A×2	0.4~0.5	
500TDLC-20、20A	0.2~0.3	1.8~2.0
500TDLC-31、31A、31B	0.3~0.4	
500TDLC-50、50A、50B	0.5~0.6	
500TDLC-31×2、31A×2	0.4~0.5	
600TDLC-25、25A	0.2~0.3	
600TDLC-39、39A、39B	0.4~0.5	
600TDLC-62、62A、62B	0.6~0.7	
700TDLC-20、20A	0.2~0.3	2.2~2.4
700TDLC-32、32A、32B	0.3~0.4	
700TDLC-50、50A、50B	0.5~0.6	
800TDLC-24、24A	0.2~0.3	
800TDLC-38、38A、38B	0.4~0.5	
800TDLC-60、60A、60B	0.6~0.7	
900TDLC-21、21A	0.2~0.3	2.6~2.8
900TDLC-33、33A、33B	0.4~0.5	
900TDLC-52、52A、52B	0.5~0.6	
1000TDLC-25、25A	0.2~0.3	
1000TDLC-39、39A、39B	0.4~0.5	
1000TDLC-63、63A、63B	0.6~0.7	

常见故障、原因及消除方法

常见故障	原 因	消除方法
启动困难	1、电机或供电系统故障； 2、转子部件中有异物； 3、轴承被卡住； 4、启动条件不满足。	1、检修电机或供电系统； 2、清理转子部件； 3、清理或更换轴承； 4、检查应满足的启动条件。
流量不足 或不出水	1、吸入侧或出口侧或叶轮有杂物堵塞； 2、密封环磨损过多或叶轮损坏； 3、转向不对； 4、转速过低； 5、淹深不够，吸入空气。	1、清理滤网、叶轮、导叶体、排出管、阀系统； 2、更换损坏的零件； 3、校正转向； 4、测量电压、频率、检查电机； 5、提高吸入水位。
泵超功率	1、轴承损坏（包括导轴承）； 2、水泵内有异物； 3、叶轮与密封环有摩擦； 4、填料压得过紧； 5、转速过快； 6、水泵超运行范围，大流量运行； 7、供电线一相断路，单相运行。	1、更换轴承； 2、清除异物； 3、调整间隙； 4、放松填料； 5、检查电压、频率、电机，并作调整； 6、关小出口闸阀； 7、专业人员检查修理。
异常振动 和噪音	1、淹深不够，泵发生汽蚀； 2、叶轮不平衡； 3、轴不同心或轴弯曲； 4、基础螺栓松动； 5、轴承损坏； 6、导轴承及轴套磨损，间隙增大； 7、排出管路的影响。	1、提高吸入水位或关小出口闸阀； 2、叶轮校正静平衡； 3、校正轴的同心度，校直轴； 4、拧紧地脚螺栓； 5、更换轴承； 6、更换导轴承及轴套； 7、检查和排除影响。
轴承发热	1、装配不良，轴心偏心过大； 2、轴承损坏； 3、轴承内没油。	1、检查径向跳动，进行校正； 2、更换轴承； 3、加润滑脂或润滑油

COMMON FAILURE , CAUSE , AND SOLUTION

Common failure	Reasons	Solutions
The difficulty in starting	1, the motor or power system failures; 2, a foreign body in the rotor parts; 3, the bearing is stuck; 4, the start conditions are not met.	1, or repair motor or power supply system; 2, cleaning the rotor component; 3, clean or replace the bearings; 4, meet the start-up conditions.
Inadequate flow or no water	1, the suction side or exit side or impeller clogged with debris; 2, seal ring wear too much or the impeller damaged; 3, turn direction wrong; 4, the speed is too low; 5, immerge not deep enough, inhaled air.	1, cleaning filters, impeller, guide vane body, the discharge pipe, valve system; 2, replace the damaged parts; 3, steering correction; 4, measure voltage, frequency, check the motor; 5, improve inhalation of water.
The pump overload	1, bearing damage (including the guide bearing); 2, a foreign body within the pump; 3, impeller and seal rings with friction; 4, the weight of packing too tight; 5, speed too fast; 6, pump over operating range, high flow run; 7, one phase power line circuit, single phase operation.	1, the replacement of bearings; 2, remove foreign bodies; 3, adjusting the gap; 4, relax filler; 5, check the voltage, frequency, motor, and make adjustments; 6, turn outlet gate smaller; 7, professional inspection and repair.
The abnormal vibration and noise	1, immerged not deep enough, the pump cavitation; 2, impeller imbalance; 3, shaft misalignment or shaft bending; 4, loose of foundation bolts; 5, bearing damage; 6, guide bearings and bushings wear, the gap increases; 7, the discharge line impact.	1, to improve inhalation of water or turn outlet gate smaller; 2, to correct impeller static equilibrium; 3, to correct axis' concentricity, alignment axis; 4, to tighten the bolt; 5, replace bearings; 6, replace guide bearings and bushings; 7, inspect and remove effects.
Bearing Heating	1, poor assembly, shaft eccentricity is too large; 2, bearing damage; 3, bearing no oil.	1, check the runout, correction; 2, replace bearings; 3, add grease or oil