一、概述

TDAY 离心油泵，选用国家推荐的高效节能水力模型，具备高效节能、性能覆盖范围广、运行安全平稳、噪音低、使用寿命长以及安装维修便捷等优势。通过变更泵的材质（或泵过流部件的材质）、密封形式，并增添冷却系统，可实现对热油类、腐蚀性等介质的输送。

TDAY 型泵适用于输送不含固体颗粒，温度在 -20℃至 400℃之间，黏度小于 120 厘泊的油类及石油产品。各型泵进口允许压力均不超过 0.6MPa。该泵可输送如石油、柴油、燃料油、导热油、循环油、生物柴油、煤制柴油、矿物油、白油、基础油、润滑油、变压器油、页岩油、煤油、汽油、液化油气等不含固体颗粒的介质，尤其适用于输送高温、高压、易燃或有毒液体，广泛应用于石油精制、石油化工及化学工业等领域。可依据不同介质特性，选择适配的材质。

Overview

The TDAY centrifugal oil pump adopts the high - efficiency and energy - saving hydraulic model recommended by the state. It has the advantages of high - efficiency and energy - saving, a wide performance coverage, safe and stable operation, low noise, long service life, and convenient installation and maintenance. By changing the material of the pump (or the material of the pump's wetted parts), the sealing form, and adding a cooling system, it can be used to transport media such as hot oil and corrosive substances.

The TDAY - type pump is suitable for transporting oil and petroleum products that contain no solid particles, with a temperature range from - 20℃ to 400℃ and a viscosity less than 120 cSt. The allowable inlet pressure of each type of pump does not exceed 0.6MPa. This pump can transport media without solid particles, such as petroleum, diesel, fuel oil, heat - transfer oil, circulating oil, biodiesel, coal - derived diesel, mineral oil, white oil, base oil, lubricating oil, transformer oil, shale oil, kerosene, gasoline, liquefied petroleum gas, etc. It is especially suitable for transporting high - temperature, high - pressure, flammable or toxic liquids, and is widely used in fields such as petroleum refining, petrochemical industry and chemical industry. Appropriate materials can be selected according to the characteristics of different media.

二、结构说明

TDAY 型泵为单级单吸悬臂式结构，泵壳体采用径向剖分方式，安装时以水平中心线为支承点，泵的吸入口与排出法兰垂直向上。轴封既可用软填料，也能与机械密封互换。轴承体配备一套向心球轴承和一组背对背安装的推力球轴承，采用稀油润滑。为便于检修，无需拆卸吸入或排出管路，借助弹性联轴器，可轻松拆出叶轮、轴承、轴封等零部件。

Structural Description

The TDAY - type pump features a single - stage, single - suction cantilever structure. The pump casing is radially split. During installation, the horizontal centerline serves as the support point, and the pump's suction port and discharge flange are vertically upward. The shaft seal can be either soft packing or interchanged with mechanical seals. The bearing housing is equipped with a set of radial ball bearings and a set of thrust ball bearings installed back - to - back, lubricated by thin oil. For easy maintenance, there is no need to disassemble the suction or discharge pipelines. With the help of a flexible coupling, components such as the impeller, bearings, and shaft seal can be easily removed.

主要零件材质

Main Component Materials

根据介质使用条件，泵的过流部件材料分为四类。详见下表：

Based on the usage conditions of the medium, the materials of the pump's wetted parts are divided into four categories. See the table below for details:

材料类别 Material category		I	II	III	IV
使用温度 Usage emperature		常温 room temperature	200~℃~ +150℃	-45℃~ +400℃	-45℃~+400℃
零部件名称	泵体泵盖 pump body; pump cover	HT200	HT250	ZG230—450	ZGICr13Ni
	叶轮 impeller	HT200	HT250	ZG230—450	ZGICr13Ni
	轴 axis	45	45	35CrMO	3Cr13
	泵体密封环 Pump housing seal ring	青铜 Bronze	HT250	HT250	3Cr13
	叶轮密封环 Impeller seal ring	青铜 Bronze	QT50-5	QT50—5	3Cr13
	填料轴套 Packing gland	HT200	HT200	45	3Cr13
	机械密封轴套 Mechanical seal shaft sleeve	不锈钢 stainless steel	不锈钢 stainless steel	不锈钢 stainless steel	3Cr13 或 1Cr13 3Cr13 or 1Cr13

除以上四类材质外，用户还可选用其他材料也可按 GB3215—82 炼厂化工及石油化工流程用离心油泵，通过技术条件，选择泵的各零部件材料或其他特殊材料，但需与我厂洽谈。

In addition to the above four types of materials, users can also choose other materials according to GB3215-82 centrifugal oil for refinery chemical and petrochemical processes, and select the materials for each component of the pump or other special materials through technical conditions, but they need to negotiate our factory.

TDAY 泵系根据国际标准 TDAY02858 所规定的性能和尺寸设计的，主要由泵体、泵盖、叶轮、轴、密封环、轴套、及悬架部件等所组成。

泵的壳体(即泵体和泵盖)构成泵的工作室，叶轮、轴和滚动轴承为泵的转子。悬架部件支承着泵的转子部件，滚动轴承承受泵的径向力和轴向力。

为了平衡泵的轴向力，大多数泵的叶轮前、后均设有密封环，并在叶轮后盖板上设有平衡孔。由于有些泵的轴向力不大，叶轮背面未设密封环和平衡孔。

泵的轴向密封是填料压盖，填料环和填料等组成，以防止进气或大量漏水。泵的叶轮如有平衡孔，则装软填料的空腔与叶轮吸入口相通，若叶轮入口处液体处于真空状态，则很容易沿着轴套表面进气，故在填料腔内装有填料环，通过泵盖上的小孔，将泵室内压力水引至填料环进行密封。泵的叶轮如没有平衡孔，由于叶轮背面液体压力大于大气压，因而不存在漏气问题，故可不装填料环。

为避免轴磨损，在轴通过填料腔的部位装有轴套保护。轴套与轴之间装有 O 形密封圈以防沿着配合表面进气或漏水。

泵的传动方式是通过爪型联抽器与电动机联结的，泵的旋转方向，从驱动端看，为顺时针方向旋转。

2. Structure description

The TDAY pump system is designed according to the performance and size specified in the international standard TDAY02858, which is mainly composed of the pump body, pump cover, impeller, shaft, seal ring, shaft sleeve, and suspension components.

The housing of the pump (that is, the pump body and the pump cover) constitutes the workshop of the pump, and the impeller, shaft and rolling bearing are the rotor of the pump. The suspension components support the rotor components of the pump, and the rolling bearings bear the radial and axial forces of the pump.

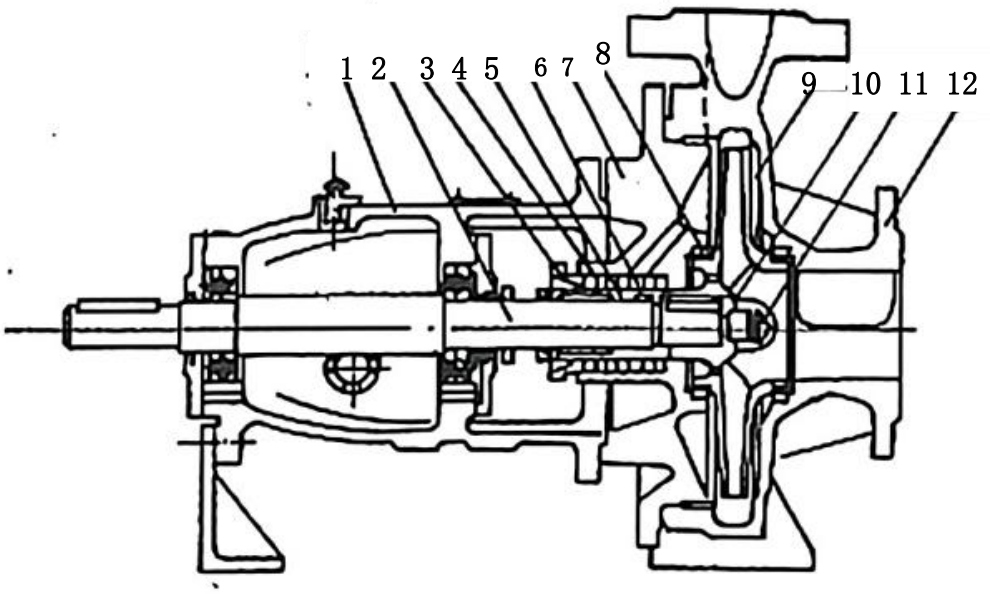
In order to balance the axial force of the pump, the front and back of the impeller of most pumps are provided with a sealing ring, and a balance hole is provided on the back cover of the impeller. Because the axial force of some pumps is not large, there is no sealing ring and balance hole on the back of the impeller.

The axial seal of the pump is composed of packing gland, packing ring and packing to prevent the intake air or a large amount of water leakage. If the impeller of the pump has a balance hole, the cavity of the soft packing is connected with the inlet of the impeller. If the liquid at the inlet of the impeller is in a vacuum state, it is easy to take air along the surface of the shaft sleeve, so the packing ring is installed in the packing chamber, and the pressure water in the pump room is led to the packing ring for sealing through the small hole on the pump cover. If the impeller of the pump does not have a balance hole, because the liquid pressure on the back of the impeller is greater than atmospheric pressure, there is no air leakage problem, so the packing ring is not installed.

In order to avoid shaft wear, shaft sleeve protection is provided at the part where the shaft passes through the packing chamber. An O-ring is installed between the shaft sleeve and the shaft to prevent air intake or water leakage along the mating surface.

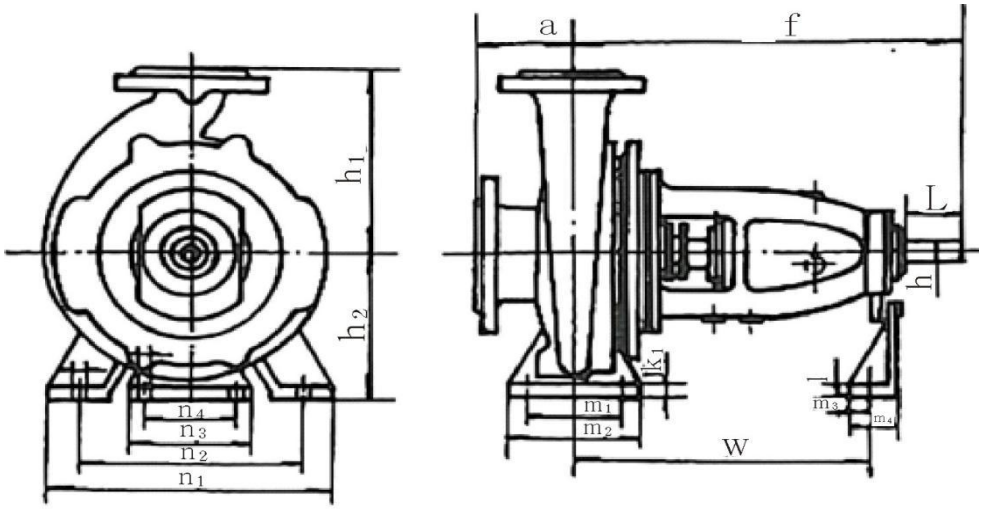
The transmission mode of the pump is connected with the motor through the claw type coupling pump, and the rotation direction of the pump, from the driving end, is clockwise rotation.

TDAY型结构图
TDAY structure diagram



1. 悬架部件 2. 轴	1. Suspension components 2. Shaft
3. 压盖 4. 填料	3. Gland 4. Packing
5. 轴套 6. 填料环	5. Shaft sleeve 6. Packing ring
7. 泵盖	7. Pump cover
8. 密封环	8. Sealing ring
9. 叶轮	9. Impeller
10. 止动垫	10. Stop pad
11. 叶轮螺母	11. Impeller nut
12. 泵体	12. Pump body

TDAY型泵外形尺寸图
TDAY pump dimensions



TDAY 通用端吸离心油泵参数型号表 1

TDAY General end suction centrifugal pump parameter modelTable 1 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY50-32-125	7.5	2.08	23	2950	1.09	2.2	Y90L-2	43	2.0	44
	12.5	3.47	20		1.33			51	2.0	
	15	4.17	18		1.50			49	2.5	
TDAY50-32J-125	3.75	1.04	5.8	1480	0.16	0.55	Y801-4	36	2.0	44
	6.3	1.75	5		0.19			45	2.0	
	7.5	2.08	4.5		0.21			44	2.5	
TDAY50-32-125A	6.8	1.89	18.8	2950	0.87	1.5	Y90S-2	40	2.0	44
	11.3	3.14	16.4		1.01			50	2.0	
	13.6	3.78	14.7		1.16			47	2.5	
TDAY50-32J-125A	3.4	0.94	4.7	1480	0.13	0.55	Y801-4	33.3	2.0	44
	5.7	1.58	4.1		0.15			43	2.0	
	6.8	1.89	3.7		0.16			42	2.5	
TDAY50-32-160	7.5	2.08	34.5	2950	2.13	3	Y100L-2	33	2.0	48
	12.5	3.47	32		2.37			46	2.0	
	15	4.17	30		2.45			50	2.5	
TDAY50-32J-160	3.75	1.04	8.6	1480	0.30	0.55	Y801-4	29	2.0	48
	6.3	1.75	8		0.34			40	2.0	
	7.5	2.08	7.5		0.36			43	2.5	
TDAY50-32-160A	6.8	1.89	28.5	2950	1.76	3	Y100L-2	30	2.0	48
	11.3	3.14	26.4		1.85			44	2.0	
	13.6	3.78	24.8		1.91			48	2.5	
TDAY50-32J-160A	3.4	0.94	7.1	1480	0.25	0.55	Y801-4	25.9	2.0	48
	5.7	1.58	6.6		0.28			37.1	2.0	
	6.8	1.89	6.2		0.28			41	2.5	
TDAY50-32-200	7.5	2.08	51.8	2950	3.78	5.5	$Y132S_1$-2	28	2.0	60
	12.5	3.47	50		4.36			39	2.0	
	15	4.17	48		4.56			43	2.5	
TDAY50-32J-200	3.75	1.04	12.9	1480	0.57	0.75	Y90S-4	23	2.0	60
	6.3	1.75	12.5		0.65			33	2.0	
	7.5	2.08	12.0		0.68			36	2.5	
TDAY50-32-200A	7	1.94	45.5	2950	3.21	4	$Y132S_1$-2	27	2.0	60
	11.7	3.25	43.7		3.67			38	2.0	
	14	3.89	41.7		3.79			42	2.5	
TDAY50-32J-200A	3.4	0.94	10.6	1480	0.49	0.75	Y802-4	20	2.0	60
	5.7	1.59	10.3		0.52			31	2.0	
	6.8	1.89	9.9		0.54			34	2.5	

TDAY 通用端吸离心油泵参数型号表 2
TDAY General end suction centrifugal pump parameter modelTable 2 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY50-32-200B	6.6	1.83	40.5	2950	2.80	4	Y112M-2	26	2.0	60
	11	3.06	38.7		3.14			37	2.0	
	13.2	3.67	36.7		3.22			41	2.5	
TDAY50-32J-200B	3.3	0.92	10.1	1480	0.43	0.55	Y801-4	21	2.0	60
	5.5	1.53	9.7		0.47			31	2.0	
	6.6	1.83	9.2		0.49			34	2.5	
TDAY50-32-250	7.5	2.08	82	2950	7.28	11	$Y160M_1$-2	23	2.0	99
	12.5	3.47	80		8.25			33	2.0	
	15	4.17	78.5		8.79			36.5	2.5	
TDAY50-32J-250	3.75	1.04	20.5	1480	1.23	1.5	$Y100L_1$-4	17	2.0	99
	6.3	1.75	20		1.27			27	2.0	
	7.5	2.08	19.6		1.29			31	2.5	
TDAY50-32-250A	7	1.94	71.9	2950	6.22	7.5	$Y160M_1$-2	22	2.0	99
	11.7	3.25	70		6.97			32	2.0	
	14	3.89	68.8		7.39			35.5	2.5	
TDAY50-32J-250A	3.5	0.97	18 .0	1480	1.07	1.5	Y90L-4	16	2.0	99
	5.9	1.64	17.5		1.08			26	2.0	
	7.02	1.95	17.2		1.10			30	2.5	
TDAY50-32-250B	6.6	1.83	63.6	2950	5.71	7.5	$Y132S_2$-2	20	2.0	99
	11.0	3.06	62		6.19			30	2.0	
	13.2	3.67	60.9		6.64			33	2.5	
TDAY50-32J-250B	3.3	0.92	15.9	1480	0.95	1.1	Y90L-4	15	2.0	99
	5.5	1.53	15.5		0.93			25	2.0	
	6.6	1.83	15.2		0.94			29	2.5	
TDAY65-50-125	15	4.17	21.3	2950	1.85	3	Y100L-2	47	2.0	45
	25	6.94	20		2.2			62	2.0	
	30	8.33	18.6		2.4			63	2.5	
TDAY65-50J-125	7.5	2.08	5.4	1480	0.25	0.55	Y801-4	44	2.0	45
	12.5	3.47	5		0.31			55	2.0	
	15	4.17	4.5		0.33			56	2.5	
TDAY65-50-125A	13.6	3.78	17.6	2950	1.48	2.2	Y90L-2	44	2.0	45
	22.7	6.31	16.5		1.67			61	2.0	
	27.3	7.58	15.4		1.91			59.9	2.5	
TDAY65-50J-125A	6.8	1.89	4.5	1480	0.20	0.55	Y801-4	41	2.0	45
	11.3	3.14	4.1		0.23			54	2.0	
	13.6	3.78	3.7		0.26			53	2.5	

TDAY 通用端吸离心油泵参数型号表 3
TDAY General end suction centrifugal pump parameter modelTable 3 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY65-50-160	15	4.17	34.2	2950	3.18	5.5	$Y132S_1$-2	44	2.0	50
	25	6.94	32		3.82			57	2.0	
	30	8.33	30		4.15			59	2.5	
TDAY65-50J-160	7.5	2.08	8.55	1480	0.45	0.75	Y802-4	39	2.0	50
	12.5	3.47	8		0.53			51	2.0	
	15	4.17	7.5		0.58			52.5	2.5	
TDAY65-50-160A	13.6	3.78	28.4	2950	2.56	4.0	Y112M-2	41	2.0	50
	22.7	6.31	26.5		2.93			56	2.0	
	27.3	7.58	24.8		3.29			56	2.5	
TDAY65-50J-160A	6.8	1.89	7.09	1480	0.37	0.75	Y801-4	35.5	2.0	50
	11.3	3.14	6.6		0.41			49.6	2.0	
	13.6	3.78	6.2		0.46			49.9	2.5	
TDAY65-40-200	15	4.17	53.2	2950	5.30	7.5	$Y160M_1$-2	41	2.0	64
	25	6.94	50		6.55			52	2.0	
	30	8.33	47.6		7.27			53.5	2.5	
TDAY65-40J-200	7.5	2.08	13.3	1480	0.78	1.1	Y90L-4	35	2.0	64
	12.5	3.47	12.5		0.93			46	2.0	
	15	4.17	11.9		1.02			47.5	2.5	
TDAY65-40-200A	14	3.89	46.9	2950	4.47	7.5	$Y132S_2$-2	40	2.0	64
	23.4	6.50	43.7		5.46			51	2.0	
	28.1	7.81	41.3		6.02			52.5	2.5	
TDAY65-40J-200A	1.94	11.7		1480	0.65	1.1	Y90L-4	34.8	2.0	64
	3.25	10.9	1480		0.77			45	2.0	
	3.89	9.8			0.82			46.5	2.5	
TDAY65-40-200B	13.2	3.67	41.9	2950	3.87	5.5	$Y132S_2$-2	39	2.0	64
	22.0	6.11	38.7		4.64			50	2.0	
	26.4	7.33	36.3		5.07			51.5	2.5	
TDAY65-40J-200B	6.6	1.83	10.5	1480	0.55	1.1	Y90S-4	34	2.0	64
	11.0	3.06	9.7		0.66			44	2.0	
	13.2	3.67	9.1		0.72			45.5	2.5	
TDAY65-40-250	15	4.17	81.2	2950	9.76	15	$Y160M_2$-2	34	2.0	103
	25	6.94	80		11.84			46	2.0	
	30	8.33	78.4		12.8			50	2.5	
TDAY65-40J-250	7.5	2.08	20.3	1480	1.48	2.2	$Y100L_2$-4	28	2.0	103
	12.5	3.47	20		1.75			39	2.0	
	15	4.17	19.6		1.86			43	2.5	
TDAY65-40-250A	14	3.89	71.0	2950	8.71	15	$Y160M_2$-2	33	2.0	103
	23.4	6.50	70.0		9.92			45	2.0	
	28	7.78	68.6		10.68			49	2.5	

TDAY 通用端吸离心油泵参数型号表 4
TDAY General end suction centrifugal pump parameter modelTable 4 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY65-40J-250A	7.0	1.94	17.8	1480	1.25	2.2	$Y100L_1$-4	27	2.0	103
	11.7	3.25	17.5		1.47			38	2.0	
	14.0	3.89	17.2		1.55			42	2.5	
TDAY65-40-250B	13.2	3.67	62.8	2950	7.07	11	$Y160M_1$-2	32	2.0	103
	22	6.11	61.8		8.42			44	2.0	
	26.4	7.33	60.4		9.05			48	2.5	
TDAY65-40J-250B	6.6	1.83	15.7	1480	1.08	1.5	$Y100L_1$-4	26	2.0	103
	11	3.06	15.5		1.26			37	2.0	
	13.2	3.67	15.1		1.33			41	2.5	
TDAY65-40-315	15	4.17	126.8	2950	18.5	30	$Y200L_1$-2	28	2.0	115
	25	6.94	125		21.8			39	2.0	
	30	8.33	124		23.8			42.5	2.5	
TDAY65-40J-315	7.5	2.08	32.4	1480	3.0	4	Y132S-4	22	2.0	115
	12.5	3.47	32		3.3			33	2.0	
	15	4.17	31.7		3.5			37	2.5	
TDAY65-40-315A	14	3.89	111.2	2950	16.97	30	$Y200L_1$-2	25	2.0	115
	23.4	6.50	109.5		18.37			38	2.0	
	28	7.78	108.8		20.76			40	2.5	
TDAY65-40J-315A	7.0	1.94	28.4	1480	2.84	4	Y112M-4	19	2.0	115
	11.7	3.25	28.0		2.88			31	2.0	
	14.0	3.89	27.8		3.12			34.5	2.5	
TDAY65-40-315B	13.2	3.67	98.0	2950	14.7	22	Y180M-2	24	2.0	115
	22.0	6.11	96.5		15.6			37	2.0	
	26.4	7.33	95.9		17.7			39	2.5	
TDAY65-40J-315B	6.6	1.83	24.5	1480	2.44	4	Y112M-4	18	2.0	115
	11.0	3.06	24.1		2.41			30	2.0	
	13.2	3.67	24.0		2.62			33	2.5	
TDAY80-65-125	30	8.33	23.2	2950	3.16	5.5	$Y132S_1$-2	60	3.0	54
	50	13.89	20		3.95			69	3.0	
	60	16.67	17.6		4.29			67	4.0	
TDAY80-65J-125	15	4.17	5.8	1480	0.44	0.75	Y802-4	54	2.5	54
	25	6.94	5		0.53			64	2.5	
	30	8.33	4.4		0.58			62	3.0	
TDAY80-65-125A	27.2	7.56	19.1	2950	2.48	4	Y112M-2	57	3.0	54
	45.3	12.60	16.5		3.04			67	3.0	
	54.4	15.12	14.5		3.36			64	4.0	

TDAY 通用端吸离心油泵参数型号表 5
TDAY General end suction centrifugal pump parameter modelTable 5 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY80-65J-125A	13.6	3.78	4.8	1480	0.35	0.55	Y801-4	51	2.5	54
	22.6	6.28	4.2		0.41			62	2.5	
	27.2	7.56	3.6		0.45			59	3.0	
TDAY80-65-160	30	8.33	36	2950	5.16	7.5	$Y160M_1$-2	57	2.0	60
	50	13.89	32		6.50			67	2.3	
	60	16.67	28.4		7.14			65	3.3	
TDAY80-65J-160	15	4.17	9	1480	0.74	1.5	Y90L-4	50	2.0	60
	25	6.94	8		0.88			62	2.3	
	30	8.33	7.2		0.95			62	3.3	
TDAY80-65-160A	27.2	7.56	29.7	2950	4.08	7.5	$Y132S_2$-2	54	2.0	60
	45.4	12.6	26.4		5.02			65	2.3	
	54.4	15.12	23.4		5.59			62	3.3	
TDAY80-65J-160A	13.6	3.78	7.4	1480	0.58	1.1	Y90S-4	47.3	2.0	60
	22.7	6.31	6.6		0.68			60	2.3	
	27.2	7.56	5.9		0.74			59	3.3	
TDAY80-50-200	30	8.33	55.2	2950	8.5	15	$Y160M_2$-2	53	2.0	60
	50	13.89	50		10.8			63	2.5	
	60	16.67	45.2		11.9			62	3.2	
TDAY80-50J-200	15	4.17	13.5	1480	1.25	2.2	$Y100L_1$-4	44	2.0	60
	25	6.94	12.5		1.49			57	2.0	
	30	8.33	11.5		1.6			58	2.5	
TDAY80-50-200A	28.08	7.56	48.9	2950	7.19	11	$Y160M_1$-2	52	2.0	60
	46.8	13.0	43.7		8.98			62	2.5	
	56.2	15.61	38.9		9.76			61	3.2	
TDAY80-50J-200A	14.04	3.9	11.9	1480	1.06	1.5	Y90L-4	43	2.0	60
	23.4	6.5	10.9		1.24			56	2.0	
	28.08	7.8	9.9		1.33			57	2.5	
TDAY80-50-200B	26.4	7.33	43.9	2950	6.19	11	$Y160M_1$-2	51	2.0	60
	44	12.22	38.7		7.6			61	2.5	
	52.8	14.67	33.9		8.13			60	3.2	
TDAY80-50J-200B	13.2	3.67	10.7	1480	0.92	1.5	Y90L-4	42	2.0	60
	22	6.11	9.7		1.06			55	2.0	
	26.4	7.33	8.7		1.12			56	2.5	
TDAY80-50-250	30	8.33	83.5	2950	14.8	22	$Y200L_1$-2	46	2.5	98
	50	13.89	80		18.8			58	2.5	
	60	16.67	76		20.7			60	3.0	

TDAY 通用端吸离心油泵参数型号表 6
TDAY General end suction centrifugal pump parameter modelTable 6 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY80-50J-250	15	4.17	20.8	1480	1.97	3	Y112M-4	43	2.5	98
	25	6.94	20		2.43			52	2.5	
	30	8.33	19.3		2.92			54	3.0	
TDAY80-50-250A	28.08	7.8	73.6	2950	12.5	18.5	Y180M-2	45	2.5	98
	46.8	13.0	70		15.7			57	2.5	
	56.16	15.6	67.4		17.5			59	3.0	
TDAY80-50J-250A	14.04	3.9	18.2	1480	1.66	3	Y112M-4	42	2.5	98
	23.4	6.5	17.5		2.19			51	2.5	
	28.08	7.8	16.7		2.41			53	3.0	
TDAY80-50-250B	26.4	7.33	64.8	2950	10.6	15	Y160L-2	44	2.5	98
	44	12.22	62		13.3			56	2.5	
	52.8	14.67	60.0		14.9			58	3.0	
TDAY80-50J-250B	13.2	3.67	16.2	1480	1.50	2.2	$Y100L_2$-4	39	2.5	98
	22	6.11	15.6		1.95			48	2.5	
	26.4	7.33	15		2.11			51	3.0	
TDAY80-50-315	30	8.33	127.6	2950	26.1	37	Y225M-2	40	2.0	115
	50	13.89	125		32.8			52	2.0	
	60	16.67	122		35.6			56	2.5	
TDAY80-50J-315	15	4.17	32.9	1480	4.02	5.5	Y132M-4	33.4	2.0	115
	25	6.94	32		4.74			46	2.0	
	30	8.33	31		5.10			49.7	2.5	
TDAY80-50-315A	28.08	7.8	113.4	2950	22.2	37	$Y200L_2$-2	39	2.0	115
	46.8	13.0	110		27.5			51	2.0	
	56.16	15.6	107.7		30.0			55	2.5	
TDAY80-50J-315A	14.04	3.90	29.2	1480	3.51	5.5	Y132M-4	31.8	2.0	115
	23.4	6.50	28		4.06			44	2.0	
	28.08	7.80	27.1		4.39			47.2	2.5	
TDAY80-50-315B	26.4	7.33	100.5	2950	19.0	30	$Y200L_1$-2	38	2.0	115
	44	12.22	97		23.2			50	2.0	
	52.8	14.67	95		25.3			54	2.5	
TDAY80-50J-315B	13.2	3.67	25.1	1480	3.01	5.5	Y132S-4	30	2.0	115
	22	6.11	24.3		3.47			42	2.0	
	26.4	7.33	23.8		3.8			45	2.5	
TDAY100-80-125	60	16.67	24 .7	2950	5.95	11	$Y160M_1$-2	67.7	3.0	63
	100	27.78	20		7.47			73	4.5	
	120	33.33	16.1		7.6			69.2	5.6	

TDAY 通用端吸离心油泵参数型号表 7
TDAY General end suction centrifugal pump parameter modelTable 7 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY100-80J-125	30	8.33	6.19	1480	0.78	1.5	Y90L-4	65	3.0	63
	50	13.89	5		1.0			68	3.6	
	60	16.67	4		1.08			60.5	4.0	
TDAY100-80-125A	55.1	15.31	20.7	2950	4.65	7.5	$Y132S_2$-2	66.8	3.0	63
	91.8	25.5	16.8		5.92			71.0	4.5	
	110.2	30.6	13.4		6.3			63.8	5.6	
TDAY100-80J-125A	27.5	7.64	5.17	1480	0.16	1.1	Y90S-4	63.5	3.0	63
	45.8	12.72	4.19		0.79			66	3.6	
	54.9	15.25	3.36		0.88			57.1	4.0	
TDAY100-80-160	60	16.67	37	2950	10.1	15	$Y160M_2$-2	60	3.8	95
	100	27.78	32		11.9			73	4.3	
	120	33.33	28		12.5			73	5.0	
TDAY100-80J-160	30	8.33	9.25	1480	1.3	2.2	$Y100L_1$-4	58	3.0	95
	50	13.89	8		1.58			69	3.4	
	60	16.67	7		1.68			68	3.7	
TDAY100-80-160A	54.6	15.17	30.6	2950	7.98	15	$Y160M_2$-2	57	3.8	95
	91	25.28	26.5		9.25			71	4.3	
	109.2	30.34	23.2		9.85			70.4	5.0	
TDAY100-80J-160A	27.3	7.58	7.66	1480	1.03	2.2	Y90L-4	55.3	3.0	95
	45.5	12.64	6.6		1.22			67	3.4	
	54.6	15.16	6.37		1.45			65.3	3.7	
TDAY100-65-200	60	16.67	56	2950	14.5	22	Y180M-2	63	3.4	96
	100	27.78	50		18.9			72	3.9	
	120	33.33	44		20.3			71	5.2	
TDAY100-65J-200	30	8.33	14	1480	1.91	3	$Y100L_2$-4	60	2.5	96
	50	13.89	12.5		2.50			68	2.5	
	60	16.67	11		2.85			63	3.0	
TDAY100-65-200A	56.1	15.58	49	2950	12.08	18.5	Y180M-2	62	3.4	96
	93.5	25.97	43.7		15.68			71	3.9	
	112.2	31.17	38.5		16.8			70	5.2	
TDAY100-65J-200A	28.05	7.79	12.3	1480	1.59	3	$Y100L_2$-4	59	2.5	96
	46.8	13.04	10.9		2.07			67	2.5	
	56.1	15.58	9.6		2.37			62	3.0	
TDAY100-65-200B	52.7	14.64	43.2	2950	10.2	15	Y160L-2	61	3.4	96
	87.8	24.39	38.5		13.2			70	3.9	
	105.4	29.28	33.9		14.1			69	5.2	

TDAY 通用端吸离心油泵参数型号表 8
TDAY General end suction centrifugal pump parameter modelTable 8 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY100-65J-200B	26.4	7.33	10.8	1480	1.34	2.2	$Y100L_2$-4	58	2.5	96
	43.9	12.19	9.6		1.74			66	2.5	
	52.7	14.64	8.5		2.00			61	3.0	
TDAY100-65-250	60	16.67	88	2950	25.2	37	$Y200L_2$-2	57	3.0	107
	100	27.78	80		32.0			68	3.6	
	120	33.33	74		36.1			67	4.5	
TDAY100-65J-250	30	8.33	22	1480	3.6	5.5	Y132S-4	50	2.5	107
	50	13.89	20		4.3			63	2.5	
	60	16.67	18.5		4.7			64	3.0	
TDAY100-65-250A	56.1	15.58	77	2950	21.8	30	$Y200L_2$-2	54	3.0	107
	93.5	25.97	70		27.4			65	3.6	
	112.2	31.17	64.7		28.9			64	4.5	
TDAY100-65J-250A	28.05	7.79	19.2	1480	3.12	5.5	Y132S-4	47	2.5	107
	46.8	13.00	17.4		3.53			61	2.5	
	56.1	15.58	16.2		4.06			60.9	3.0	
TDAY100-65-250B	52.7	14.64	67.9	2950	18.3	30	$Y200L_1$-2	53.3	3.0	107
	87.8	24.39	61.7		23.1			64	3.6	
	105.4	29.28	57.0		26.0			62.9	4.5	
TDAY100-65J-250B	26.4	7.33	17.0	1480	2.66	4	Y112M-4	46	2.5	107
	43.9	12.19	15.4		3.07			62	2.5	
	52.7	14.64	14.3		3.47			59	3.0	
TDAY100-65-315	60	16.67	132	2950	44.9	75	Y280S-2	48	2.8	117
	100	27.78	125		54.9			62	3.2	
	120	33.33	119		60.8			64	4.2	
TDAY100-65J-315	30	8.33	33.5	1480	6.2	11	Y160M-4	44	2.0	117
	50	13.89	32		7.5			58	2.0	
	60	16.67	30.5		8.3			60	2.5	
TDAY100-65-315A	56.1	15.58	115.5	2950	39.2	55	Y250M-2	45	2.8	117
	93.5	25.97	109		45.5			61	3.2	
	112.2	31.17	104		52.1			61	4.2	
TDAY100-65J-315A	28.05	7.79	29.3	1480	5.46	7.5	Y160M-4	41	2.0	117
	46.8	13.00	28		6.33			56	2.0	
	56.1	15.58	26.7		7.15			57	2.5	
TDAY100-65-315B	52.7	14.64	102	2950	33.3	55	Y250M-2	44	2.8	117
	87.8	24.39	97		38.7			60	3.2	
	105.4	29.28	92		44.0			60	4.2	
TDAY100-65J-315B	26.4	7.33	25.5	1480	4.58	7.5	Y132M-4	40	2.0	117
	43.9	12.19	24.3		5.29			55	2.0	
	52.7	14.64	23.0		5.88			56	2.5	

TDAY 通用端吸离心油泵参数型号表 9
TDAY General end suction centrifugal pump parameter modelTable9 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY125 -80 - 160	96	26.7	37	2900	14	22	Y180M-2	69	5.0	
	160	44.4	32		17.7			79	5.6	
	192	53.3	27		18.8			75	6.2	
TDAY125 -80J- 160	48	13.3	9.3	1450	1.9	3	$Y100L_2$ -4	63	5.0	
	80	22.2	8		2.3			75	5.6	
	96	26.7	6.65		2.45			71	6.2	
TDAY125-80-160	149.4	41.5	28	2900	14.8	18.5	Y160L-4	77	5.6	
TDAY125-80, - 160	74.7	20.75	7	1450	1.95	3	$Y100L_2$ -4	73	5.6	
TDAY125-80 - 160	138.4	38.4	24	2900	12.1	15	$Y100M_2$ -2	75	5.6	
TDAY125 -80- 160	69.2	19.2	6	1450	1.6	2.2	$Y100L_1$ -4	71	5.6	
TDAY125-80-200	96	26.7	56.5	2900	21.4	37	$Y200L_2$ -2	69	4.5	
	160	44.4	50		27.6			79	5.2	
	192	53.3	45		30.2			78	5.7	
TDAY125-80,-200	48	13.3	14.1	1450	2.9	5.5	Y132S-4	63	4.5	
	80	22.2	12.5		3.6			75	5.2	
	96	26.7	11.3		4.0			73	5.7	
TDAY125-80-200	150.3	41.75	44	2900	23.4	30	$Y200L_1$ -2	77	5.2	
TDAY125-80,-200	75.1	20.9	11	1450	3.08	5.5	Y132S-4	73	5.2	
TDAY125-80-200	139.4	38.7	38	2900	19.2	30	$Y200L_1$ -2	75	5.2	
TDAY125-80- 200	69.7	19.4	9.5	1450	2.5	4	Y112M-4	71	5.2	
TDAY125-80-250	96		89	2900	35.8	55	Y250M-2	65	4.5	
	160	44.4	80		45.3			77	4.8	
	192		72		50.9			74	6.1	
TDAY125-80-250	48	13.3	22.3	1450	4.8	7.5	Y132M-4	60	4.5	
	80	22.2	20		66.1			72	4.8	
	96	26.7	18		6.7			70	6.1	
TDAY125-80-250	149.6	41.5	70	2900	38.6	55	Y250M-2	74	4.8	
TDAY125 -80J-250	74.8	20.8	17.5	1450	5.1	7.5	Y132M-4	70	4.8	
TDAY125-80-250	138.4	38.4	60	2900	31.4	37	$Y200L_2$ -2	72	4.8	
TDAY125-80J-250B	69.2	19.2	15	1450	4.2	5.5	Y132S-4	68	4.8	

TDAY 通用端吸离心油泵参数型号表 10
TDAY General end suction centrifugal pump parameter modelTable10 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY125-100-200	120	33.33	61	2950	29.3	45	Y225M-2	68	4.5	103
	200	55.56	50		35.4			77	5.0	
	240	66.67	41		38.3			70	5.8	
TDAY125-100-200	60	16.67	15.25	1480	3.89	7.5	Y132M-4	64	2.5	103
	100	27.78	12.5		4.66			73	2.9	
	120	33.33	10.25		5.08			66	3.6	
TDAY125-100-200A	112	31.11	50.5	2950	23.75	37	$Y200L_2$-2	64.9	4.5	103
	186.5	51.81	41.4		28.1			75	5.0	
	224	62.22	34		30.9			67.1	5.8	
TDAY125-100-200A	56	15.56	12.6	1480	3.15	5.5	Y132S-4	61	2.5	103
	93.3	25.29	10.3		3.69			71	2.9	
	112	31.11	8.5		4.12			63	3.6	
TDAY125-100-200B	105.5	29.31	47.0	2950	21.45	30	$Y200L_1$-2	63	4.5	103
	175.5	48.75	38.5		24.88			74	5.0	
	211.0	58.61	31.6		27.95			65	5.8	
TDAY125-100-200B	52.8	14.67	11.8	1480	2.83	4	Y132S-4	60	2.5	103
	87.8	24.39	9.6		3.28			70	2.9	
	105.5	29.31	7.9		3.66			62	3.6	
TDAY125-100-250	120	33.33	90	2950	47.4	75	Y280S-2	62	3.7	170
	200	56.56	80		58.1			75	4.5	
	240	66.67	73		64.5			74	5.5	
TDAY125-100-250A	60	16.67	22.5	1480	6.23	11	Y160M-4	59	2.0	170
	100	27.78	20		7.56			72	2.3	
	120	33.33	18.25		8.40			71	3.0	
TDAY125-100-250A	112	31.11	78	2950	40.3	55	Y280S-2	59	3.7	170
	186.5	51.81	69.5		48.4			73	4.5	
	224	62.22	63.5		54.5			71	5.5	
TDAY125-100J-250A	56	15.56	19.5	1480	5.31	7.5	Y160M-4	56	2.0	170
	93.3	25.92	17.4		6.29			70	2.3	
	112	31.11	15.9		7.13			68	3.0	
TDAY125-100-250B	105.5	29.31	69.0	2950	34.2	45	Y250M-2	58	3.7	170
	175.5	48.75	61.5		41.4			71	4.5	
	211.0	58.61	56		44.0			69.9	5.5	
TDAY125-100J-250B	52.8	14.67	17.3	1480	4.62	7.5	Y132M-4	54	2.0	170
	87.8	24.39	15.4		5.42			68	2.3	
	105.5	29.31	14		6.10			66	3.0	
TDAY125-100-315	120	33.33	132	2950	69.5	132	Y315M-2	62	4.2	198
	200	55.56	125		100.2			68	5.0	
	240	66.67	119		119.7			65	5.8	

TDAY 通用端吸离心油泵参数型号表 11
TDAY General end suction centrifugal pump parameter modelTable 11 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY125-100J-315	60	16.67	33	1480	9.0	18.5	Y180M-4	60	2.1	198
	100	27.78	32		13.4			65	2.5	
	120	33.33	30.5		16.3			63	2.9	
TDAY125-100-315A	112.7	31.31	116.5	2950	59.6	110	Y315M-2	60	4.2	198
	187.9	52.19	110.4		85.6			66	5.0	
	225.5	62.64	105		102.2			63	5.8	
TDAY125-100J-315A	56.4	15.67	31	1480	8.5	15	Y160L-4	56	2.1	198
	94	26.21	28.3		12.1			60	2.5	
	112.8	31.33	26.5		14.3			57	2.9	
TDAY125-100-315B	105.5	29.31	102.1	2950	50.5	90	Y280M-2	58	4.2	198
	175.9	48.86	96.7		72.4			64	5.0	
	211.1	58.64	92.0		88.1			60	5.8	
TDAY125-100J-315B	52.8	14.67	25.5	1480	6.81	15	Y160L-4	54	2.1	198
	87.8	24.39	24.2		9.99			58	2.5	
	105.5	29.31	23		12.02			55	2.9	
TDAY125-100-400	60	16.67	52	1480	15.2	30	Y200L-4	56	2.1	220
	100	27.78	50		22			62	2.5	
	120	33.33	48.5		26.4			60	2.9	
TDAY125-100-400A	56.1	15.58	45.4	1480	12.9	22	Y200L-4	54	2.1	220
	93.5	25.97	43.7		18.3			61	2.5	
	118.2	32.83	42.4		20.5			58	2.9	
TDAY125-100-400B	52.8	14.67	40.2	1480	10.9	18.5	Y180L-4	53	2.1	220
	88	24.44	38.7		15.4			60	2.5	
	105.6	29.33	37.5		16.9			57	2.9	
TDAY150-125-250	120	33.33	24.8	1480	12.3	18.5	Y180M-4	66	2.5	150
	200	55.56	20		14.1			77	2.8	
	240	66.67	15		14.4			68	3.5	
TDAY150-125-250A	112.2	31.17	22.3	1480	10.5	15	Y160L-4	65	2.5	150
	187	51.94	17.5		11.7			76	2.8	
	224.4	62.33	12.5		11.4			67	3.5	
TDAY150-125-250B	105.6	29.33	20.3	1480	9.2	15	Y160L-4	64	2.5	150
	176	48.89	15.5		9.9			75	2.8	
	211.2	58.67	10.5		9.2			66	3.5	
TDAY150-125-315	120	33.33	36.3	1480	18.8	30	Y200L-4	63	2.5	170
	200	55.56	32		23.2			75	2.8	
	240	66.67	28.5		25.9			72	3.5	
TDAY150-125-315A	112.2	31.17	32.3	1480	15.9	22	Y200L-4	62	2.5	170
	187	51.94	28		19.3			74	2.8	
	224.4	62.33	24.9		21.4			71	3.5	

TDAY 通用端吸离心油泵参数型号表 12
TDAY General end suction centrifugal pump parameter modelTable 12 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
	105.6	29.33	29.0		13.7			61	2.5	
TDAY150-125-315B	176	48.89	24	1480	15.8	18.5	Y180L-4	73	2.8	170
	211.2	58.67	21.2		17.4			70	3.5	
	120	33.33	57.5		30.8			61	2.0	
TDAY150-125-400	200	55.56	50	1480	38.9	45	Y250M-4	70	2.5	198
	240	66.67	44.0		43.7			63	3.0	
	112.2	31.17	51.2		26.1			60	2.0	
TDAY150-125-400A	187	51.94	43.7	1480	32.3	37	Y225M-4	69	2.5	198
	224.4	62.33	37.7		35.2			62	3.0	
	105.6	29.3	46.2		22.5			59	2.0	
TDAY150-125-400B	176	48.9	38.7	1480	27.3	30	Y225S-4	68	2.5	198
	211.2	58.7	32.7		28.8			61	3.0	
TDAY150-150-450	280	77.8	72	1480	78.5	90	Y280M-4	70	5.5	285
TDAY150-150-450A	265	73.6	64	1480	66	75	Y280S-4	70	5.5	285
TDAY150-150-450B	245	68	55	1480	52.4	75	Y280S-4	70	5.5	285
	240	66.7	22.6		19.7			75	3.8	
TDAY200-150-250	400	111.1	20	1480	27.3	37	Y225S-4	80	4.3	210
	480	133.3	17.2		28.3			76	5.0	
	224.5	62.4	19.8		16.6			73	3.8	
TDAY200-150-250A	374.2	103.9	17.5	1480	22.9	30	Y200L-4	78	4.3	210
	449.0	124.7	15.1		25.0			74	5.0	
	211.3	58.7	17.5		14.2			71	3.8	
TDAY200-150-250B	352.1	97.8	15.5	1480	19.6	30	Y200L-4	76	4.3	210
	422.6	117.4	13.3		21.3			72	5.0	
	240	66.7	35.6		34.7			67	3.0	
TDAY200-150-315	400	111.1	32	1480	44.1	55	Y250M-4	79	3.5	268
	480	133.3	29.4		49.9			77	4.0	
	224.5	62.4	31.1		28.8			66	3.0	
TDAY200-150-315A	374.2	103.9	28	1480	36.6	45	Y225M-4	78	3.5	268
	449.0	124.7	25.7		41.4			76	4.0	
	211.3	58.7	27.5		24.4			65	3.0	
TDAY200-150-315B	352.1	97.8	24.7	1480	30.8	37	Y225S-4	77	3.5	268
	422.6	117.4	22.7		34.9			75	4.0	
	240	66.7	55.8		54.4			67	3.0	
TDAY200-150-400	400	111.1	50	1480	68.8	90	Y280M-4	78	3.5	325
	480	133.3	47		78.5			75	4.0	
	224.5	62.4	48.8		45.3			66	3.0	
TDAY200-150-400A	374.2	103.9	43.7	1480	57.8	75	Y280S-4	77	3.5	325
	449.0	124.7	41.1		67.9			74	4.0	

TDAY 通用端吸离心油泵参数型号表 13
TDAY General end suction centrifugal pump parameter modelTable 13 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY200-150-400B	211.3	58.7	43.2	1480	38.3	55	Y280S-4	65	3.0	325
	352.1	97.8	38.7		46.5			76	3.5	
	422.6	117.4	31.4		45.4			73	4.0	
TDAY200-150-500	400	111.1	80	1480	116.2	160	Y315L1-4	75	5.5	575
TDAY200-150-500A	376	104.4	70	1480	96.82	132	Y315M-4	74	5.5	575
TDAY200-150-500B	352	97.7	62	1480	82.5	110	Y315S-4	72	5.5	575
TDAY250-200-250	400	111.1	22	1480	30.74	45	Y225M-4	78	5	280
	550	152.8	20		36.11			83	5.5	
	660	183.3	18.5		40.58			82	6	
TDAY250-200-250A	365	101.4	19	1480	24.54	37	Y225S-4	77	5	280
	500	138.9	17		28.60			81	5.5	
	600	166.7	14		28.61			80	6	
TDAY250-200-315	400	111.1	35	1480	50.20	75	Y280S-4	76	5	425
	550	152.8	32		58.49			82	5.5	
	660	183.3	30		70.99			76	6	
TDAY250-200-315A	365	101.4	31	1480	42.34	55	Y250M-4	74	5	425
	500	138.9	28		47.69			80	5.5	
	600	166.7	23		50.14			75	6	
TDAY250-200-400	400	111.1	54	1480	76.54	110	Y315S-4	74	5	573
	550	152.8	50		94.86			79	5.5	
	660	183.3	46		108.86			76	6	
TDAY250-200-400A	365	101.4	47	1480	63.17	90	Y280M-4	74	5	573
	500	138.9	44		77.86			77	5.5	
	600	166.7	35		78.39			73	6	
TDAY250-200-400B	336	93.3	40	1480	51.58	75	Y280S-4	71	5	573
	460	127.8	37		62.68			74	5.5	
	552	153.3	30		64.47			70	6	
TDAY250-200-450	400	111.1	64	1480	91.79	160	Y315L1-4	76	5.0	742
	550	152.8	60		112.41			80	5.5	
	660	183.3	56		130.8			77	6.0	
TDAY250-200-450A	365	101.4	54	1480	71.91	132	Y315M-4	75	5.0	742
	500	138.9	51		89.09			78	5.5	
	600	166.7	47		101.11			76	6.0	
TDAY250-200-450B	336	93.3	46	1480	58.50	110	Y315S-4	72	5.0	742
	460	127.8	43		71.87			75	5.5	
	552	153.3	40		82.42			73	6.0	
TDAY300-250-235	480	133.3	20	980	33.97	55	Y280M-6	77	5.0	660
	750	200	18		43.60			81	5.5	
	864	240	15.5		49.32			74	6.0	

TDAY 通用端吸离心油泵参数型号表 14
TDAY General end suction centrifugal pump parameter modelTable 14 of

型号 Model number	流 量 Q Flow rate Q		扬程 H Lift H	转速 n Speed n	轴功率 Pa Shaft power Pa	电 机 Electric machine		效率 η Efficiency η	必须汽蚀余量 NPSHrRequired cavitation allowance NPSHr	泵重 Pump weight
						功率 P Power P	型 号 Model number			
	m^3/h	l/s	m	rpm	kW	kW		%	m	kg
TDAY300-250-235A	438 657 788	121.7 182.5 218.9	16.5 15 13	980	26.26 33.99 38.77	45	Y280S-6	75 79 72	5.0 5.5 6.0	660
TDAY300-250-235B	400 600 720	111.1 166.7 200	14 12.5 11	980	20.90 26.54 30.83	37	Y250M-6	73 77 70	5.0 5.5 6.0	660
TDAY300-250-300	480 720 864	133.3 200 240	31 28 24	980	52.66 67.82 73.38	75	Y315S-6	77 81 77	4.5 5.0 5.5	743
TDAY300-250-300A	444 666 799	123.3 185 221.9	26.5 24 21.5	980	42.19 54.45 61.59	75	Y315S-6	76 80 76	4.5 5 5.5	743
TDAY300-250-300B	415 623 747	115.3 173.1 207.5	23 21 18.5	980	34.68 45.13 50.21	55	Y280M-6	73 77 70	4.5 5 5.5	743
TDAY300-250-315	800	222.2	32	1480	82.00	90	Y280M-4	85	4 4.5 5	792
TDAY300-250-315A	765	212.5	27	1480	66.90	75	Y280S-4	84	4 4.5 5	792
TDAY300-250-380	480 720 864	133.3 200.0 240.0	48 44 34	980	76.57 102.77 97.62	132	Y315L2-6	82 84 82	4.5 5 5.5	835
TDAY300-250-380A	444 666 799	123.3 185 221.9	41.4 30 38	980	64.22 68.06 106.07	110	Y315L1-6	78 80 78	4.5 5 5.5	835
TDAY350-300-315	1080	300	40	1480	143.47	160	Y315L1-4	78	5	947
TDAY350-300-315A	965	268	32	1480	105.10	132	Y315M-4	80	5	947
TDAY350-250-500	1080	300	80	1480	290.49	315	Y355L2-4	81	6	950
TDAY350-250-500A	1000	277.78	70	1480	241.31	280	Y355L1-4	79	6	950
TDAY350-250-500B	934	259.5	60	1480	198.20	250	Y355M2-4	77	6	950

表2 TDAY型泵外形尺寸

Table 2 Dimensions of TDAY pump　　表1Table 1

产品型号 Product model	泵pump				泵脚座 Pump foot seat											W	螺栓孔 Bolt hole		轴端 Shaft end	
	a	f	h_1	h_2	b	m_1	m_2	m_3	m_4	n!	n_2	n_3	n_4	k_1	k_2		S_1	S_2	d	L
TDAY50 -32 -125	80	385	112	140	50	100	70	19	60	190	140	110	145		10	285	M12	M12	24	50
TDAY50-32 -160			132	160						240										
TDAY50-32-200			160	180																
TDAY50 -32-250	100	500	180	225	65	125	95	25	65	320	250				14	370			32	80
TDAY65-50 -125	80	385	112	140	50	100	70	19	60	210	160	110	145		10	285	M12	M12	24	50
TDAY65 -50 -160			132	160						240	190									
TDAY65 -40 -200	100		160	180						265	212									
TDAY65 -40 -250		500	180	225	65	125	95	25	65	320	250				14	370			32	80
TDAY65 -40 -315	125		200	250						345	280									
TDAY80-65-125	100	385	132	160	50	100	70	19	60	240	190	110	145		10	285	M12	M12	24	50
TDAY80 -65 - 160			160	180						265	212									
TDAY80 -50 -200				200																
TDAY80 -50 -250	125	500	180	225	65	125	95	25	65	320	250				14	370			32	80
TDAY80 -50 -315			225	280						345	280									
TDAY125 -80 - 160	125	500	180	225		95	125	21	60	320	250	110	145		14	370	M12	M12	32	80
TDAY125 -80 -200				250						345	280		155		18					

表2 TDAY型泵外形尺寸

Table 2 Dimensions of TDAY pump　　表2 Table 2

产品型号 Product model	泵pump				泵脚座 Pump foot seat											W	螺栓孔 Bolt hole		轴端 Shaft end	
	a	f	h_1	h_2	b	m_1	m_2	m_3	m_4	n_1	n_2	n_3	n_4	k_1	k_2		S_1	S_2	d	L
TDAY125-80 -250	125	500	225	280		120	160	25	65	400	315	110	140		14	370	M16	M12	32	80
TDAY100 -80-125	100	385	160	180	65	125	95	19	60	280	212	110	145		10	285	M12	M12	24	50
TDAY100 -80 - 160		500		200				24								370			32	80
TDAY100-65 -200			180	225				25	65	320	250				14					
TDAY100-65 -250	125		200	250	80	160	120			360	280						M16			
TDAY100 -65 -315		530	225	280				28		400	315								42	110
TDAY125 -100-200	125	500	200	280	80	160	120	25	65	360	280	110	145		14	370	M16	M12	32	80
TDI125 -100-250	140	530	225					28		400	315								42	110
TDI125 -100-315			250	315																
TDAY125 - 100 -400			280	355	100	200	150			500	400						M12			
TDAY150 -125 -250	140	530	250	355	80	160	120	28	65	400	315	110	145		14	370	M16	M12	42	110
TDAY150 -125 -315			280		100	200	150			500	400						M20			
TDAY150 -125 -400			315	400																
TDAY200 -150 - 250	160	530	280	375	100	200	150	28	65	500	400	110	145		14	370	M20	M12	42	110
TDAY200 -150 -315		670	315	400				38	80	550	450	140	200		30	500		M16	48	
TDAY200 -150 -400				450																

表3（1） TDAY 型泵吸入口和排出口法兰外形尺寸

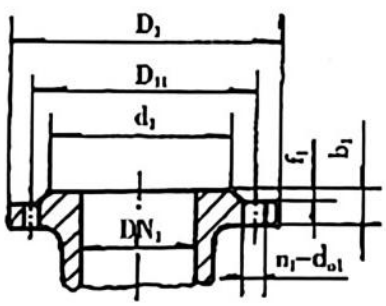
Table 1 Dimensions of inlet and outlet flanges of TDAY pump

产品型号 Product type	吸入口法兰尺寸 Suction mouth flange inch							排出口法兰尺寸 Discharge port flange inch						
	DN_1	D_1	D_{11}	d_2	bt	f_1	n_1 -d。	DN_2	D_2	D_{12}	d_2	b_2	f_2	n_2 -d。$_2$
TDAY50-32 -125	50	165	125	102	20	3	4-17.5	32	140	100	78	18	2	4-17.5
TDAY50-32-160														
TDAY50 -32 -200														
TDAY50-32 -250														
TDAY65 - 50 - 125	65	185	145	122	20	3	4-17.5	50	165	125	102	20	3	4-17.5
TDAY65 -50 -160														
TDAY65-40 -200								40	150	110	88	18	3	4-17.5
TDAY65-40-250														
TDAY65 -40-315														
TDAY80 -65 - 125	80	200	160	133	22	3	8-17.5	65	185	145	122	20	3	4-17.5
TDAY80-65 - 160														
TDAY80 -50 -200								50	165	125	102	20	3	4-17.5
TDAY80-50 -250														
TDAY80-50 -315														
TDAY100-80 -125	100	220	180	158	24	3	8-17.5	80	200	160	133	22	3	8-17.5
TDAY100-80-160														
TDAY100 -65 -200								65	185	145	122	20	3	4-17.5
TDAY100 -65 -250														
TDAY100 -65 - 315														

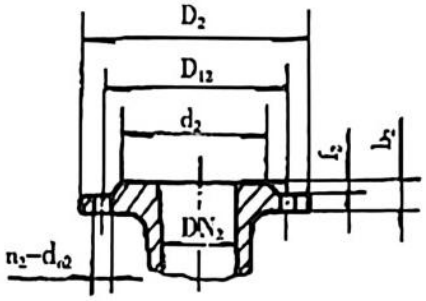
表3（2） TDAY 型泵吸入口和排出口法兰外形尺寸

Table 2 Dimensions of inlet and outlet flanges of TDAY pump

产品型号 Product type	吸入口法兰尺寸 Suction mouth flange inch							排出口法兰尺寸 Discharge port flange inch						
	DN_1	D_1	D_{12}	d_1	b_1	f_1	n_1 -d_1	DN_2	D_2	D_{12}	d_2	b_2	f_2	n_2 -d_{62}
TDAY125 -100-200	125	250	210	184	26	3	8-17.5	100	220	180	158	24	3	8-17.5
TDAY125 -100-250														
TDAY125 - 100-315														
TDAY125 -100 -400														
TDAY150 -125 -250	150	285	240	212	28	3	8-22	125	250	210	184	26	3	8-17.5
TDAY150 -125 -315														
TDAY150 -125-400														
TDAY200 -150 -250	200	340	295	268	30	3	12-22	150	285	240	212	28	3	8-22
TDAY200 -150-315														
TDAY200 -150 -400														
TDAY125 - 80 - 160	125	250	210	184	26	3	8-17.5	80	200	160	133	22	3	8-17.5
TDAY125-80 -200														
TDAY125 - 80 -250														



吸入口法兰



排出口法兰

三、装配与拆卸

在进行泵的装配操作前，需先仔细检查各个零件，确保不存在影响装配的缺陷，随后将零件彻底擦洗干净，方可着手装配工作。

装配步骤

1. 预先将各处的连接螺栓、丝堵等分别牢固地拧紧在对应的零件上。

2. 预先将 O 形密封圈、纸垫、毛毡等分别准确放置在相应的零件位置上。

3. 预先将密封环、填料、填料环、填料压盖等按顺序依次安装到泵盖内部。

4. 先把滚动轴承安装到轴上，接着将其安装进悬架内，随后合上压盖，以压紧滚动轴承，最后在轴上套上挡水圈。

5. 将轴套装到轴上，再把泵盖安装到悬架上，之后依次装上叶轮、止动垫圈、叶轮螺母等，并拧紧。最终，将上述组装好的组件安装到泵体内，同时拧紧泵体与泵盖上的连接螺栓。在整个装配过程中，像平键、挡油盘、挡水圈、轴套内 O 形密封圈等小件，极易出现遗漏安装或装错顺序的情况，务必格外留意。

拆卸步骤

泵的拆卸顺序基本与装配顺序相反。

III. Assembly and Disassembly

Before assembling the pump, each part should be carefully inspected to ensure there are no defects affecting the assembly. After that, thoroughly clean the parts before starting the assembly work.

Assembly Steps

1. In advance, firmly tighten the connecting bolts, screw plugs, etc. to their corresponding parts respectively.

2. In advance, accurately place the O - rings, paper gaskets, felt, etc. in their respective part positions.

3. In advance, install the seal ring, packing, packing ring, gland, etc. into the pump cover in sequence.

4. First, install the rolling bearings onto the shaft, then install them into the suspension. Subsequently, close the

gland to press the rolling bearings, and finally put the water baffle on the shaft.

5. Install the shaft sleeve onto the shaft, then install the pump cover onto the suspension. After that, install the impeller, locking washer, impeller nut, etc. in sequence and tighten them. Finally, install the assembled components into the pump body and tighten the connecting bolts between the pump body and the pump cover. During the entire assembly process, small parts such as flat keys, oil baffle plates, water baffle plates, and O - rings inside the shaft sleeve are prone to being omitted or installed in the wrong order, so special attention must be paid.

Disassembly Steps

The disassembly sequence of the pump is basically the reverse of the assembly sequence.

四、安装

1. 安装与校正

安装与校正工作需按以下步骤严谨执行：

① 彻底清除底座上的油腻与污垢，随后将底座平稳放置在地基之上。

② 使用水平仪细致检查底座的水平度，倘若不达标，允许借助楔铁进行找平操作。

③ 选用合适的水泥，对底座以及地脚螺栓孔眼进行浇灌作业。

④ 待水泥完全干固之后，必须再次检查底座与地脚螺栓孔有无松动现象。确认无误后，拧紧地脚螺栓，并重新检测水平度。

⑤ 认真清理底座的支持平面、油泵脚平面以及电机脚平面，确保表面洁净无杂物，然后将油泵与电机精准安装到底座之上。

⑥ 要确保联轴器之间保留一定的间隙，同时仔细检查油泵轴与电机轴的中心线是否处于同一直线。若存在偏差，可利用薄垫片进行调整，直至二者同心。在测量时，要求联轴器外圆上下、左右的偏差不得超过 0.1mm；两联轴器端面间隙在一周上，最大与最小间隙差值不得超过 0.3mm。

2. 安装说明

在安装过程中，还需留意以下要点：

① 泵的安装高度、管路的长度、直径以及流速，均应严格符合预先的计算结果。为最大程度减少不必要的能量损失，可参照表 5 进行核算。

② 当进行长距离输送时，应选取较大管径的管路。同时，泵的管路必须配备独立的支架，严禁将管路的重量施加于泵体之上，以免对泵造成损坏。

③ 若在排出管路安装逆止阀，务必将其安装在闸阀的外侧。

4. Installation

1. Installation and Alignment

The installation and alignment work should be carried out rigorously in accordance with the following steps:

① Thoroughly remove the grease and dirt on the base, and then place the base steadily on the foundation.

② Use a spirit level to carefully check the levelness of the base. If it does not meet the standard, it is allowed to use wedge iron for leveling.

③ Select appropriate cement to pour the base and the anchor bolt holes.

④ After the cement is completely dry, it is necessary to re - check whether the base and the anchor bolt holes are loose. After confirmation, tighten the anchor bolts and re - check the levelness.

⑤ Carefully clean the support plane of the base, the plane of the oil pump feet and the motor feet to ensure the surface is clean and free of debris. Then, accurately install the oil pump and the motor onto the base.

⑥ Ensure that there is a certain gap between the couplings. At the same time, carefully check whether the centerlines of the oil pump shaft and the motor shaft are in the same straight line. If there is a deviation, thin gaskets can be used for adjustment until they are concentric. During measurement, the deviation of the outer circle of the coupling up - down and left - right shall not exceed 0.1mm; for the end - face clearance of the two couplings in one circumference, the difference between the maximum and minimum clearances shall not exceed 0.3mm.

2. Installation Instructions

During the installation process, the following points should also be noted:

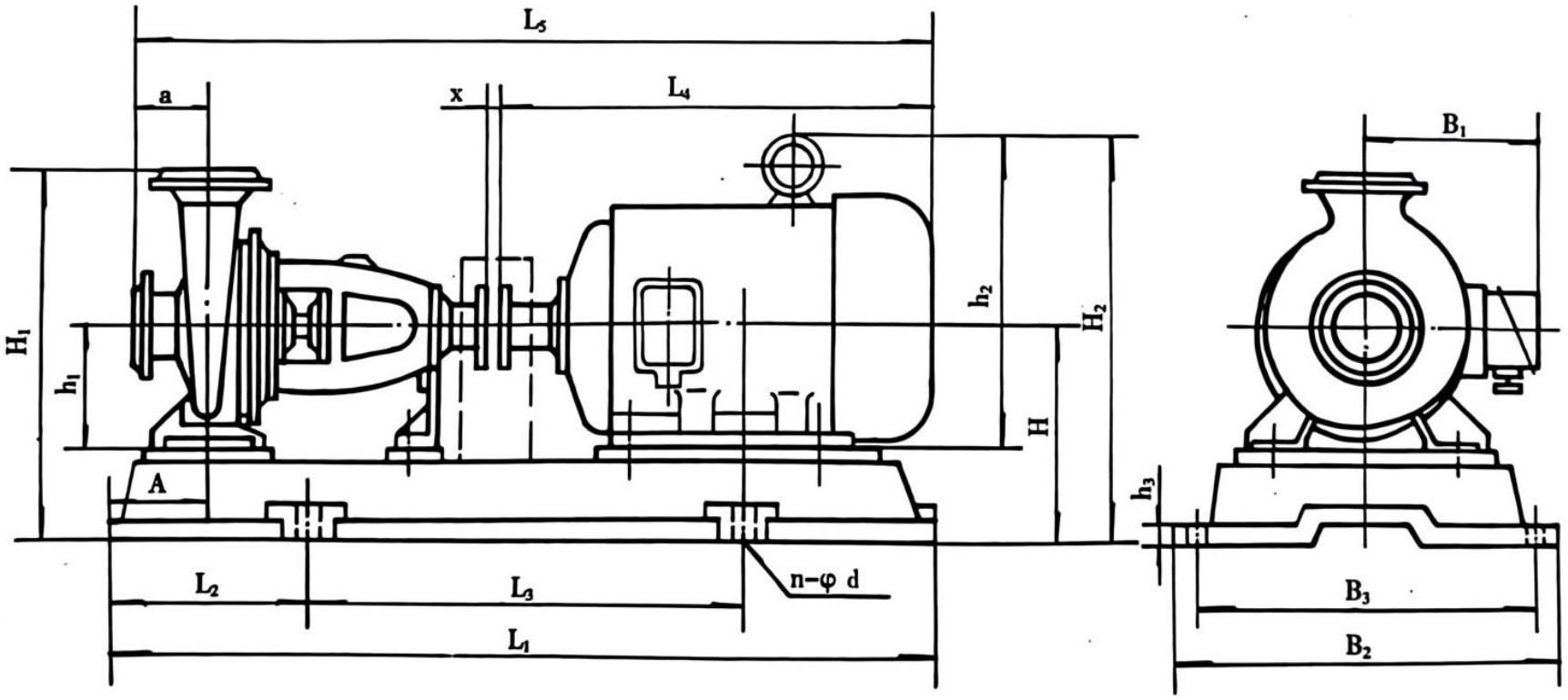
① The installation height of the pump, the length, diameter and flow velocity of the pipeline should strictly comply with the pre - calculated results. To minimize unnecessary energy losses, verification can be carried out with reference to Table 5.

② When long - distance transportation is carried out, a pipeline with a larger diameter should be selected. At the same time, the pipeline of the pump must be equipped with an independent support. It is strictly prohibited to impose the weight of the pipeline on the pump body to avoid damaging the pump.

③ If a check valve is installed in the discharge pipeline, it must be installed outside the gate valve.

TDAY 型泵外形安装尺寸图

TDAY pump outline installation dimensions



外型尺寸图表4 Exterior dimensions Chart 4

Table 1

产品型号 Product model	机座号/功率 Frame number/power	外型及安装尺寸 External shape and mounting size																		
		A	L_1	L_2	L_3	L_4	a	f	X	L_5	B_1	B_2	B_3	h_1	h_2	h_3	H	H_1	H_2	n-Φd
TDAY 50-32-125	$Y80_1$ -4/0.55	80	750	150	450	296	80	396	2	774	150	360	320	112	170	25	187	327	282	4-Φ20
	Y90S-2/1.5					321				799	160				190				292	
	Y90L-2/2.2		830	170	490	346				824		390	350							
TDAY 50-32-160	$Y80_1$ -4/0.55		750	150	450	296				774	150	360	320	132	170		207	367	297	
	Y90L-2/2.2		830	170	490	346				824	160	390	350		190				312	
	Y100L-2/3					391				869	180				245				352	
TDAY50-32-200	$Y80_1$ -4/0.55	94	750	150	450	296				774	150	360	320	160	170		235	415	330	
	$Y80_2$ -4/0.75																			
	Y112M-2/4		830	170	490	411				889	190	390	350		265				388	
	$Y132S_1$ -2/5.5		950	190	570	487		397		966	210	450	400		315	30			418	4-Φ25
TDAY 50-32-250	Y90S-4/1.1	95				321	100	511		934	155			180	190		255	480	360	
	Y90L-4/1.5					346				959										
	$Y132S_2$ -2/7.5		1050	210	630	487		512		1101	210	490	440		315		270	495	453	
	$Y160M_1$ -2/11		1190	225	740	615		515	3	1233	265	540	490		385		270	495	595	
TDAY 65-50-125	$Y80_1$ -4/0.55	80	750	150	450	296	80	396	2	774	150	360	320	112	170	25	187	327	282	4-Φ20
	Y90L-2/2.2		830	170	490	346				824	160	390	350		190				292	
	Y100L-2/3					391				869	180				245				332	

外型尺寸图表 4　Exterior dimensions Chart 4

Table2

产品型号 Product model	机座号/功率 Frame number/power	外型及安装尺寸 External shape and mounting size																	
		A	L_1	L_2	L_3	L_4	a	f	x	L_5	B_1	B_2	,B_3	h_1	h_2	h_3	H	H_1	H_2	n-Φd
TDAY 65 -50 -160	$Y80_1$ -4/0.55	80	750	150	450	296	80	396	2	774	150	360	320	132	170	25	207	630	302	4-Φ20
	$Y80_2$ -4/0.75																			
	Y112M-2/4		830	170	490	411				889	190	390	350		265				360	
	$Y132S_1$ -2/5.5		910	190	570	487		397		966	210	450	400		315	30			390	4-Φ25
TDAY 65-40-200	Y90S-4/1.1		830	170	490	321	100	396		819	160	390	350	160	190	25	235	415	340	4-Φ20
	$Y132S_1$ -2/5.5		950	190	570	487		397		986	210	450	400		315	30			418	4-Φ25
	$Y132S_2$ -2/7.5																			
	Y112M-2/4		830	170	490	411		396		910	190	390	350		265	25			388	4-Φ20
TDAY 65-40-250	Y90L-4/1.5	95	950	190	570	346		511		959	160	450	400	180	190	30	225	480	330	4-Φ25
	$Y100L_1$ -4/2.2					391				1004	180				245		255		400	
	$Y160M_1$ -2/11		1190	225	740	615		515	3	1233	265	540	490		385		270	495	495	
	$Y160M_2$ -2/15																			
TDAY 65 -40-315	$Y100L_2$ -4/3		1050	210	367	391	125	511	2	1029	180	490	440	200	245		270	540	435	
	Y112M-4/4					411				1049	190				265				443	
	Y160L-2/18.5		1190	225	740	660		515	3	1303	265	540	490		385		290	540	515	
	Y180M-2/22					685				1328	285				430				540	
	$Y200L_1$ -2/30		1290	250	830	792		517		1437	315	610	550		475	40	305	555	580	4-Φ28
TDAY 80-65- 125	$Y80_1$ -4/0.55	80	750	150	450	296	100	396	2	794	150	360	320	132	170	25	207	367	302	4-Φ20
	$Y80_2$ -4/0.75																			
	Y112M-2/4		830	170	490	411				909	190	390	350		265				360	
	$Y132S_1$ -2/5.5		910	190	570	487		397		986	210	450	400		315	30			390	4-Φ25

外型尺寸图表4 Exterior dimensions Chart 4

Table3

产品型号 Product model	机座号/功率 Frame number/power	外型及安装尺寸 External shape and mounting size																	
		A	L_1	L_2	L_2	L_4	a	f	x	Ls	B_1	B_2	B_3	h_1	h_2	h_3	H	H_1	H_2	n-Φd
TDAY 80-65-160	Y90S-4/1.1	80	830	170	490	321	100	396	2	819	160	390	350	160	190	25	235	415	340	4-Φ20
	Y90L-4/1.5					346				844										
	$Y132S_1$ -2/5.5		950	190	570	487		397		986	210	450	400		315	30			418	4-Φ25
	$Y132S_2$ -2/7.5																			
TDAY 80-50-200	Y90L-4/1.5		830	170	490	346		396		844	160	390	350		190	25		435	340	4-Φ20
	$Y100L_1$ -4/2.2					391				889	180				245				380	
	$Y160M_1$ -2/11		1050	210	630	615		400	3	1118	265	490	440		385	30	250	450	475	4-Φ25
	$Y160M_2$ -2/15																			
TDAY 80-50-250	$Y100L_1$ -4/2.2	95	950	190	570	391	125	511	2	1029	180	450	400	180	245		255	480	400	
	$Y100L_2$ -4/3																			
	$Y160M_2$ -2/15		1190	225	740	615		515	3	1258	265	540	490		385		270	495	495	
	Y160L-2/18.5					660				1303										
	Y180M-2/22					685				1328	285				430				520	
TDAY 80-50-315	Y112M-4/4		1050	210	630	411		511	2	1049	190	490	440	225	265		315	598	468	
	Y132S-4/5.5					487		512		1126	210				315				498	
	Y132M-4/7.5																			
	$Y200L_1$ -2/30		1290	250	830	792		517	3	1437	315	610	550		475	40	330	613	605	4-Φ30
	$Y200L_2$ -2/37																			

外型尺寸图表 4　Exterior dimensions Chart 4

Table4

产品型号 Product model	机座号/功率 Frame number/power	外型及安装尺寸 External shape and mounting size																		
		A	L_1	L_2	L_3	L_4	a	f	x	L_5	B_1	B_2	B_3	h_1	h_2	h_3	H	H_1	H_2	n-Φd
TDAY 100-80-125	Y90S-4/1.1	95	830	170	490	321	100	396	2	819	160	390	350	160	190	25	235	415	340	4-Φ20
	Y90L-4/1.5					346				844										
	$Y132S_2$ -2/7.5		950	190	570	487		397		986	210	450	400		315	30			418	4-Φ25
	$Y160M_1$ -2/11		1050	210	630	615		400	3	1118	265	490	440		385		250	430	475	
TDAY 100-80-160	Y90L-4/1.5		950	190	570	346		511	2	959	160	450	400		190		235	435	340	
	$Y100L_1$ -4/2.2					391				1004	180				245				380	
	$Y160M_1$ -2/11		1190	225	740	615		515	3	1233	265	540	490		385		250	450	475	
	$Y160M_2$ -2/15																			
TDAY 100-65-200	$Y100L_1$ -4/2.2		1050	210	630	391		511	2	1044	180	490	440	180	245		270	495	415	
	$Y100L_2$ -4/3																			
	Y112M-4/4					411				1024	190				265				423	
	$Y160M_2$ -2/15		1190	225	740	615		515	3	1233	265	540	490		385				495	
	Y160L-2/18.5					660				1278										
	Y180M-2/22					685				1303	285				430				520	
TDAY 100-65-250	Y112M-4/4	110	1050	210	630	411	125	511	2	1049	190	490	440	200	265		290	540	443	
	Y132S-4/5.5					287		512		1126	210				315				473	
	$Y200L_1$ -2/30		1290	250	830	792		517	3	1437	315	610	550		475	40	305	555	580	4-Φ28
	$Y200L_2$ -2/37																			

外型尺寸图表4 Exterior dimensions Chart 4

Table5

产品型号 Product model	机座号/功率 Frame number/power	外型及安装尺寸 External shape and mounting size																	
		A	L_1	L_2	L_3	L_4	a	f	x	L_5	B_1	B_2	B_3	h_2	h_2	h_3	H	H_1	H_2	n-Φd
TDAY 100-65-315	Y132M-4/7.5	110	1190	225	740	527	125	542	2	1196	210	540	490	225	315	30	335	615	518	4-Φ25
	Y160M-4/11					615		545	3	1288	265				385				560	
	Y225M-2/45		1450	290	870	832		547		1507	345	660	600		530	40	325	605	630	4-Φ30
	Y250M-2/55					947				1622	385				575		365	645	690	
	Y280S -2/75		1590	320	1070	1017				1692	410	730	670		640		385	665	745	
TDAY 125-100-200	Y112M-4/4		1050	210	630	411		511		1049	190	490	440	200	265 315	30	290	570	443	4-Φ25
	Y132S-4/5.5					487		512	2	1126	210								473	
	Y132M-4/7.5					527				1166										
	$Y200L_1$ -2/30		1290	250	830	792		517	3	1437	315	610	550		475	40	305	585	580	4-Φ28
	$Y200L_2$ -2/37																			
	Y225M-2/45					832				1477	345				530		325	605	630	
TDAY 125-100-250	Y132M-4/7.5		1190	225	740	527	140	542	2	1211	210	540	490	225	315	30	315	595	518	4-Φ25
	Y160M-4/11					615		545	3	1303	265				385				540	
	Y225M -2/45		1450	290	870	832		547		1522	345	660	600		530	40	325	605	630	4-Φ30
	Y250M-2/55					947				1637	385				575		365	645	690	
	Y280S-2/75		1590	320	1070	1017				1707	410	730	670		640		385	665	745	

外型尺寸图表 4　Exterior dimensions Chart 4

Table6

产品型号 Product model	机座号/功率 Frame number/power	外型及安装尺寸 External shape and mounting size																		
		A	L_1	L_2	L_3	L_4	a	f	x	L_3	B_1	B_2	B_3	h_1	h_2	h_3	H	H_1	H_2	n-Φd
TDAY 125-100-315	Y160M-4/11	110	1190	225	740	615	140	545	3	1303	265	540	490	250	385	30	340	655	540	4-Φ25
	Y160L-4/15		1290	250	830	660				1348		610	550			40	355	670	580	4-Φ30
	Y280S-2/75		1590	320	1070	1020		550		1713	410	730	670		640		410	725	770	
	Y280M-2/90					1070				1763										
	Y315S-2/110		1630			1210				1903	576	800	740		760		450	765	1000	
TDAY 125-100-400	Y180M-4/18.5	130	1390	290	870	685		545		1373	285	660	600	280	430		380	735	630	
	Y180L-4/22					725				1413									655	
	Y200L-4/30					792		547		1482	315				475					
TDAY 150-125-250	Y160L-4/15	110	1290	250	830	662		547		1352	265	610	550	250	385		355	710	580	
	Y180M-4/18.5					687				1377 1417	285				430				605	
TDAY 150-125-315	Y180M-4/18.5	130	1450	290	870							660	600	280			380	735	630	
	Y180L-4/22					727														
	Y200L-4/30		1390			792				1482	315				455				655	
TDAY 150-125-400	Y200L-4/30		1450							1482								815	690	
	Y225S-4/37		1390			840		550		1533 1558	345			315	530		415		720	
	Y225M-4/45					865														

外型尺寸图表 4　Exterior dimensions Chart 4

Table7

产品型号 Product model	机座号/功率 Frame number/power	外型及安装尺寸 External shape and mounting size																		
		A	L_1	L_2	L_2	L_4	a	f	x	L_3	B_1	B_2	B_3	h_1	h_2	h_3	H	H_1	H_2	n-Φd
TDAY 200-150-250	Y180L-4/22	130	1450 1390	290	870	727	160	547 690	3	1437	285	660	660	280	430 475 530	40	380	755	630	4-Φ30
	Y200L-4/30					792				1502	315								655	
	Y225S-4/37					837				1547									685	
TDAY 200-150-315	Y225S-4/37		1590	320	1070	840				1693	345	730	670	315			415	815	720	
	Y225M-4/45					865				1718										
	Y250M-4/55		1710			950				1803	385				575				740	
TDAY 200-150-400	Y250M-4/55																	865		
	Y280S-4/75					1022		692	4	1878	410				640				775	
	Y280M-4/90					1072				1928										
TDAY 125-80-160	$Y100L_1$ -4/2.2	95	950	190	570	391				1029	180	450	400	180	245 385 430	30	255 270	480	380	4-Φ25
	$Y100L_2$ -4/3																			
	$Y160M_2$ -2/15		1190	225	740	615				1257	265	540	490					495	495	
	Y160L-2/18.5					660				1302										
	Y180M-2/22					685				1327	285								520	
TDAY 125-80-200	Y112M-4/4	110	1050	210	630	411				924	190	490	440		265			520	423	
	Y132S-4/5.5					487	125		2	1126	210				315				453	
	$Y200L_1$ -2/30		1290	250	830	792				1311	315	610	550		475	40	305	555	580	4-Φ30
	$Y200L_2$ -2/37																			
TDAY 125-80-250	Y132S-4/5.5		1190	225	740	492				1131	210	540	490	225	315	30	315	595	498	4-Φ25
	Y132M-4/7.5					527				1161										
	$Y200L_2$ -2/37		1290	250	830	792				1436	310	610	550		475	40	330	610	605	4-Φ30
	Y250M-2/55		1450	290	870	947				1591	385	660	600		575		365	645	690	

五、起动、停止与运转

1. 起动

起动泵时，需遵循以下步骤，以确保设备安全、正常启动：

① 在将机泵连接之前，务必确认电动机的旋转方向是否正确，同时检查泵的转动是否灵活顺畅，无卡滞现象。

② 关闭吐出管路上的闸阀，防止启动时压力异常。

③ 向泵内灌满水，若条件允许，也可使用真空泵进行引水操作，保证泵内形成良好的流体环境。

④ 接通电源，待泵达到正常转速后，再缓慢且逐渐地打开吐出管路上的闸阀，并根据实际需求调节至合适的工况。特别要注意的是，在吐出管上的闸阀关闭的情况下，泵连续工作的时间绝不能超过 3 分钟，以免损坏设备。

2. 停止

当需要停止泵的运行时，应按以下操作执行：

① 首先，逐渐关闭吐出管路上的闸阀，使泵的负荷逐渐降低，然后切断电源，停止泵的运转。

② 如果环境温度低于 0℃，为防止泵体因水结冰膨胀而冻裂，务必将泵内的水全部放出。

③ 若泵需要长期停止使用，应将其进行拆卸，仔细清洗各个部件，并涂抹适量的润滑油，之后进行妥善包装和保管，以延长设备使用寿命。

3. 运转

在泵的运转过程中，需要密切关注以下各项指标和运行状况：

① 在开车及整个运转过程中，操作人员必须时刻留意观察仪表读数，关注轴承是否发热、填料是否漏水及发热，同时注意泵的振动情况和有无异常杂音等。一旦发现任何异常情况，应立即采取相应措施及时处理，确保设备稳定运行。

② 轴承的最高温度不得大于 80℃，并且轴承温度与周围环境温度相比，温差不得超过 40℃。若温度过高，可能表明设备存在故障，需及时排查。

③ 正常情况下，填料处的漏水应呈现少量且均匀的状态。若出现漏水过多或不均匀的情况，需检查填料是否需要调整或更换。

④ 要始终保持轴承油位处于正常位置，既不能过高也不能过低。若发现油位过低，应及时补充适量的润滑油，以保证轴承得到良好的润滑，减少磨损。

⑤ 若密封环与叶轮配合部位的间隙因长期使用而磨损过大，为保证泵的性能，应及时更换新的密封环。

V. Starting, Stopping and Operation

1. Starting

When starting the pump, the following steps should be followed to ensure the safe and normal startup of the equipment:

① Before connecting the machine and the pump, it is necessary to confirm whether the rotation direction of the motor is correct. At the same time, check whether the pump rotates flexibly and smoothly without any jamming.

② Close the gate valve on the discharge pipeline to prevent abnormal pressure during startup.

③ Fill the pump with water. If conditions permit, a vacuum pump can also be used for water priming to ensure a good fluid environment inside the pump.

④ Connect the power supply. After the pump reaches normal speed, slowly and gradually open the gate valve on the discharge pipeline and adjust it to the appropriate operating conditions according to actual needs. It should be noted that when the gate valve on the discharge pipeline is closed, the continuous operation time of the pump must not exceed 3 minutes to avoid equipment damage.

2. Stopping

When it is necessary to stop the operation of the pump, the following operations should be carried out:

① First, gradually close the gate valve on the discharge pipeline to gradually reduce the load of the pump, and then cut off the power supply to stop the operation of the pump.

② If the ambient temperature is below 0℃, in order to prevent the pump body from cracking due to water freezing and expansion, all the water in the pump must be drained.

③ If the pump needs to be stopped for a long time, it should be disassembled, and each part should be carefully cleaned and smeared with an appropriate amount of lubricating oil. After that, it should be properly packaged and stored to extend the service life of the equipment.

3. Operation

During the operation of the pump, the following indicators and operating conditions need to be closely monitored:

① During startup and the entire operation process, the operator must always pay attention to observing the instrument readings, check whether the bearing is overheating, whether the packing is leaking and overheating, and also pay attention to the vibration of the pump and whether there are any abnormal noises. Once any abnormal situation is found, corresponding measures should be taken immediately to handle it in a timely manner to ensure the stable operation of the equipment.

② The maximum temperature of the bearing shall not be greater than 80℃, and the temperature difference

between the bearing temperature and the ambient temperature shall not exceed 40℃. If the temperature is too high, it may indicate that there is a fault in the equipment, and timely troubleshooting is required.

③ Under normal circumstances, the water leakage at the packing should be small and uniform. If there is excessive or uneven water leakage, check whether the packing needs to be adjusted or replaced.

④ The bearing oil level should always be maintained at the normal position, neither too high nor too low. If the oil level is found to be too low, an appropriate amount of lubricating oil should be added in a timely manner to ensure that the bearing is well lubricated and wear is reduced.

⑤ If the clearance at the mating part of the seal ring and the impeller is excessively worn due to long - term use, a new seal ring should be replaced in a timely manner to ensure the performance of the pump.

六、故障原因及其解决办法

表6

故　　障	原　　因	解 决 方 法
①油泵不吸水，压力表及真空表的指针在剧烈摆动。	注入油泵的水不够，水管或仪表漏气。	再往油泵内注水或拧紧堵塞漏气处。
②油泵不吸水，真空表表示高度真空。	底阀没有打开，或已淤塞，吸水管阻力太大，吸水管高度太大。	校正或更改底阀。清洗或更改吸水管，减低吸水高度。
③看压力表油泵出水处是有压力，然而水管仍不出水。	出水管阻力太大，旋转方向不对，叶轮淤塞。	检查或缩短水管及检查电机。取下水管接头，清洗叶轮。
④流量低于预计。	油泵淤塞，口环磨损过多。	清洗油泵及管子，更换口环。
⑤油泵耗费的功率过大。	填料函压的太紧了，填料函发热，因磨损叶轮坏了，油泵供水量增加。	拧紧填料函，或将填料取出来打开一些，更换叶轮，增加出水管阻力，来降低流量。
⑥油泵内部声音反常，油泵不上水。	流量太大，吸水管内阻力过大，吸水高度过大，在吸水处有空气渗入，所输送的液体温度过高。	增加出水管内的阻力以减低流量，检查泵吸入管内阻力，检查底阀减小吸水高度。拧紧堵塞漏气处，降低液体的温度。
⑦轴承过热。	没有油，油泵轴与电机轴不在一条中心线上。	注油。把轴中心对准。
⑧油泵振动。	泵轴与电机轴不在一条中心线上或泵轴斜了。	把油泵和电机的轴中心对准。

6. Failure causes and solutions

Table 6

Old obstacle	Cause	Solution method
① The pump does not absorb water, the pointer of the pressure gauge and the vacuum meter is swinging violently.	Not enough water is injected into the pump, and the pipe or meter is leaking.	Then fill the pump with water or tighten to plug the leak.
② The pump does not absorb water, and the vacuum meter indicates a high vacuum.	The bottom valve is not opened, or has been blocked, the resistance of the suction pipe is too large, and the height of the suction pipe is too large.	Correct or change the bottom valve. Clean or change the suction pipe to reduce the suction height.
③ Look at the pressure gauge pump outlet is pressure, but the water pipe is still not outlet.	The resistance of the outlet pipe is too large, the rotation direction is wrong, and the impeller is silted.	Check or shorten the water pipe and check the motor. Remove the pipe joint and clean the impeller.
④ Traffic is lower than expected.	The pump is blocked and the mouth ring is worn too much.	Clean the pump and pipe, replace the mouth ring.
⑤ The pump consumes too much power.	The pressure of the stuffing box is too tight, the stuffing box is heated, and the impeller is broken due to wear, and the water supply of the pump is increased.	Tighten the stuffing box, or remove the stuffing to open some, replace the impeller, and increase the resistance of the outlet pipe to reduce the flow rate.
⑥ The sound inside the pump is abnormal, the pump does not fill the water.	The flow rate is too large, the resistance in the suction pipe is too large, the suction height is too large, there is air infiltration at the suction, and the liquid temperature is too high。	Increase the resistance in the outlet pipe to reduce the flow, check the pump suction pipe resistance, check the bottom valve to reduce the suction height. Tighten and plug the leak to reduce the temperature of the liquid.
⑦ Bearing overheating.	Without oil, the pump shaft is not in a Central Line with the motor shaft.	Fill in the oil. Align the center of the shaft.
⑧ The pump vibrates.	The pump shaft and the motor shaft are not in the same center line or the pump shaft is tilted.	Align the shaft center of the pump with that of the motor.

油泵使用注意事项

1. 介质与使用条件遵循：本油泵必须严格依照选型时确定的介质及使用条件运行，包括但不限于介质温度、所输送介质的特性等，严禁随意更改介质种类或超出规定温度范围使用。

2. 新装管道处理：对于新安装的管道，彻底清洁是关键。务必全面清除管道内残留的各类杂质，确保管道内壁干净、无异物，以保障油品输送顺畅。

3. 过滤防护措施：应在油泵进油口处安装合适规格的过滤器，有效拦截可能混入油液中的细微杂质，从而保护油泵，防止其内部部件受损。

Precautions for Using the Oil Pump

1. Compliance with Medium and Operating Conditions: This oil pump must operate strictly in accordance with the medium and operating conditions determined during the selection process, including but not limited to the medium temperature and the characteristics of the transported medium. It is strictly prohibited to change the type of medium arbitrarily or use it beyond the specified temperature range.

2. Treatment of Newly Installed Pipelines: For newly installed pipelines, thorough cleaning is crucial. All kinds of impurities remaining in the pipeline must be completely removed to ensure that the inner wall of the pipeline is clean and free of foreign objects, so as to guarantee the smooth transportation of oil products.

3. Filtration and Protection Measures: A filter of appropriate specifications should be installed at the oil inlet of the oil pump to effectively intercept fine impurities that may mix into the oil, thus protecting the internal components of the oil pump from damage.