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Product overview

TPW pump inherits and draws lessons from the structural characteristics of original TQW direct connected between pump and motor, with special shaft extension B35 motor, the discharge diameter of 32-350. TPW pump also inherits and draws on hydraulic research and development results of TP pump. The maximum temperature of the delivery medium is 90°C. TPW pump is a kind of mature products that have been widely used in the market.

TWZ is a horizontal structure pump with rigid shaft, with standard shaft extension B35 motor, discharge diameter 32-200, and the maximum temperature of conveying medium is 120°C.

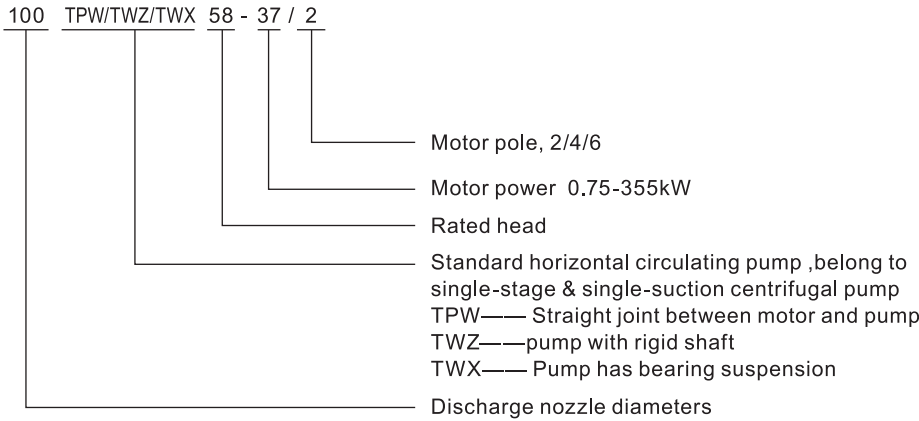
TWX is a horizontal single-stage single suction cantilever centrifugal pump group in which the pump bearing suspension is connected with the B3 motor through the elongation coupling and fixed in the common base, the discharge diameter of 32-350 . The temperature of the conveying medium can reach 150°C,which is even higher in the case of external cooling water.

TWZ and TWX series products pump casing, impeller and TPW universal, with the max. Rated flow of 1500m³/h and the max. rated head of 130m. The design pressure is 1.6/2.5MPa, and the design temperature is 150°C.

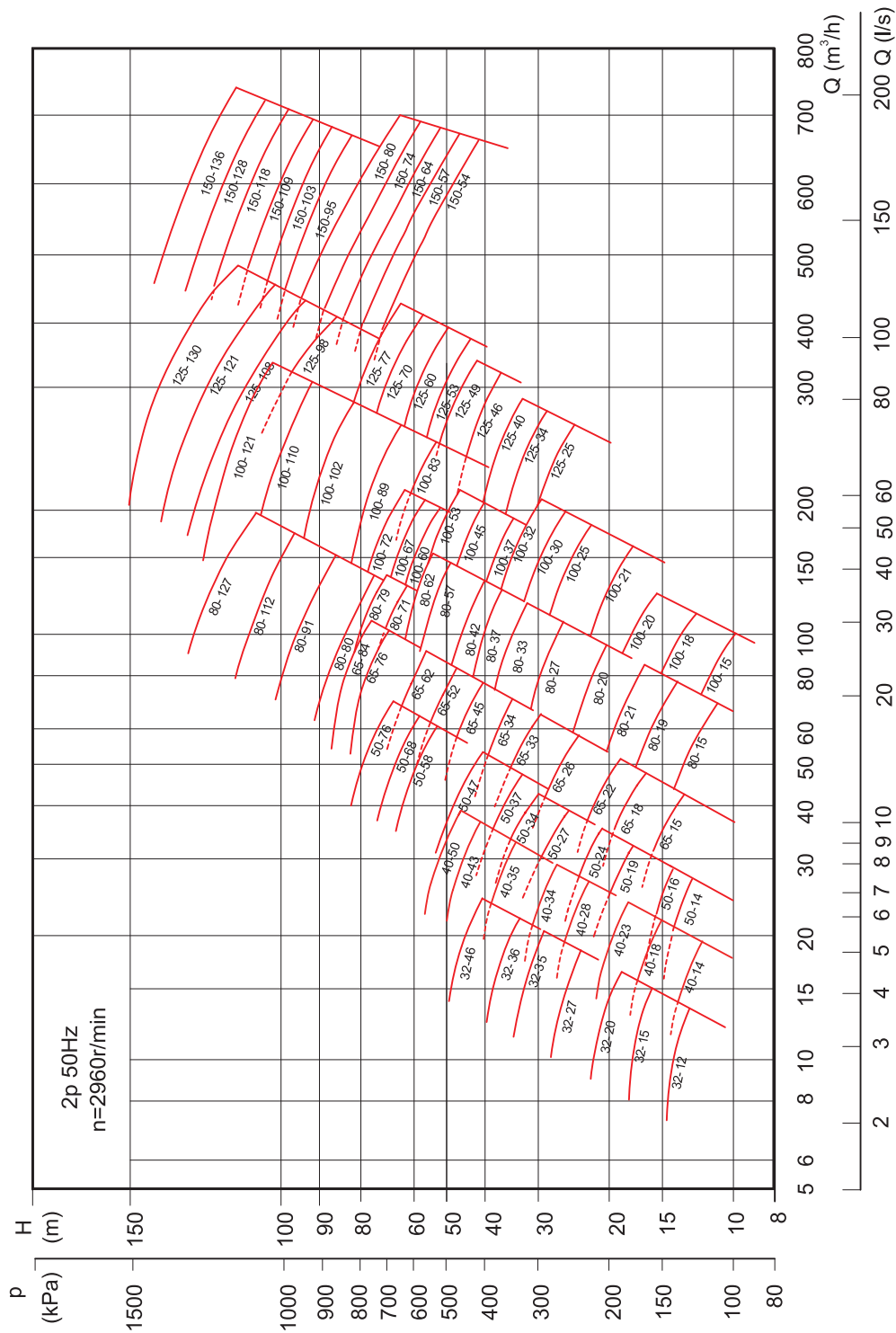
Application

- TPW/TWZ/TWX pumps can be used in
- the following occasions:
- Boiler systems
 - Air conditioning systems
 - Cooling and refrigeration systems
 - Liquid circulation & pressurization & hot water supply
 - Sanitary water
 - Water treatment
 - Industrial process

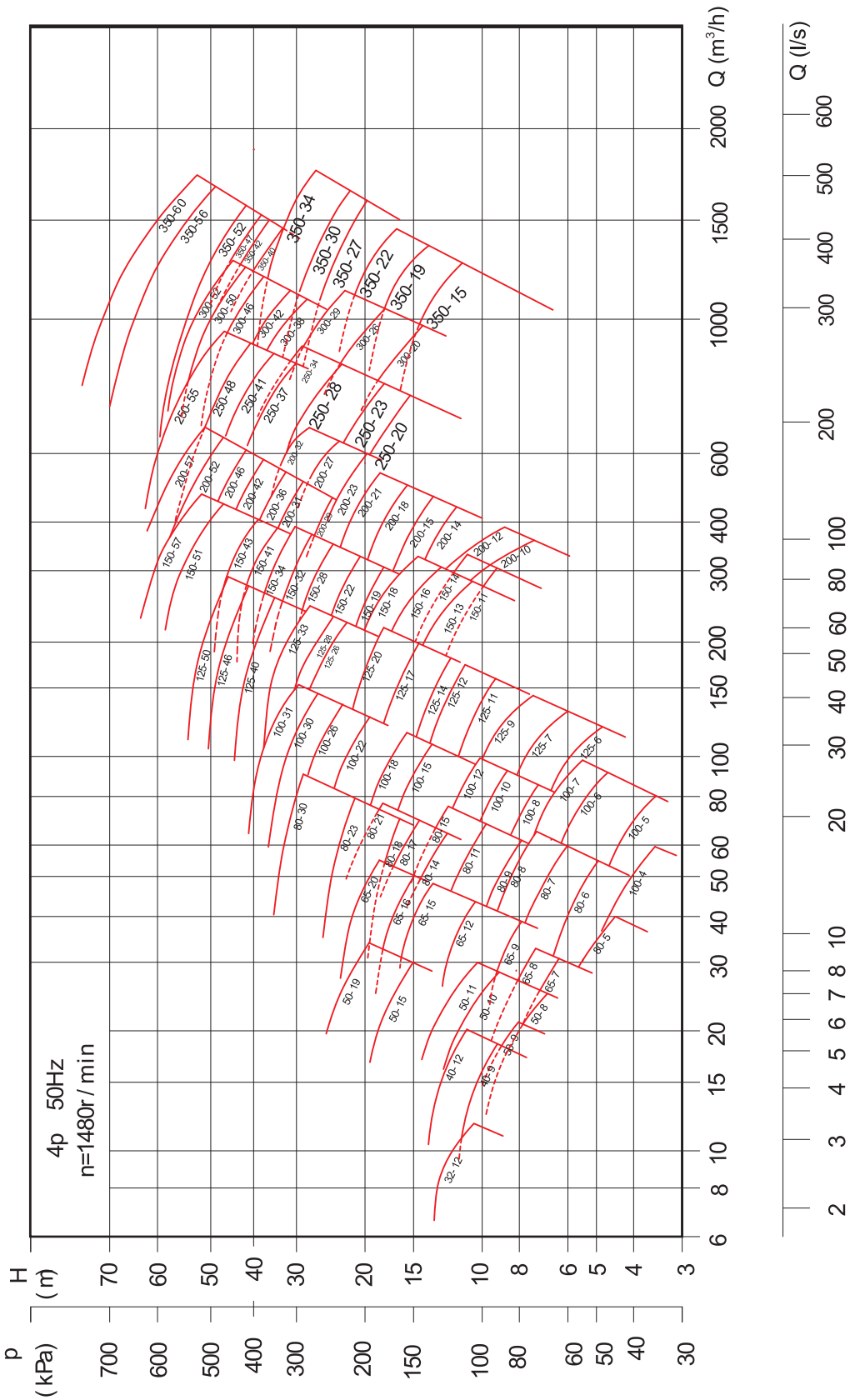
Type Definition



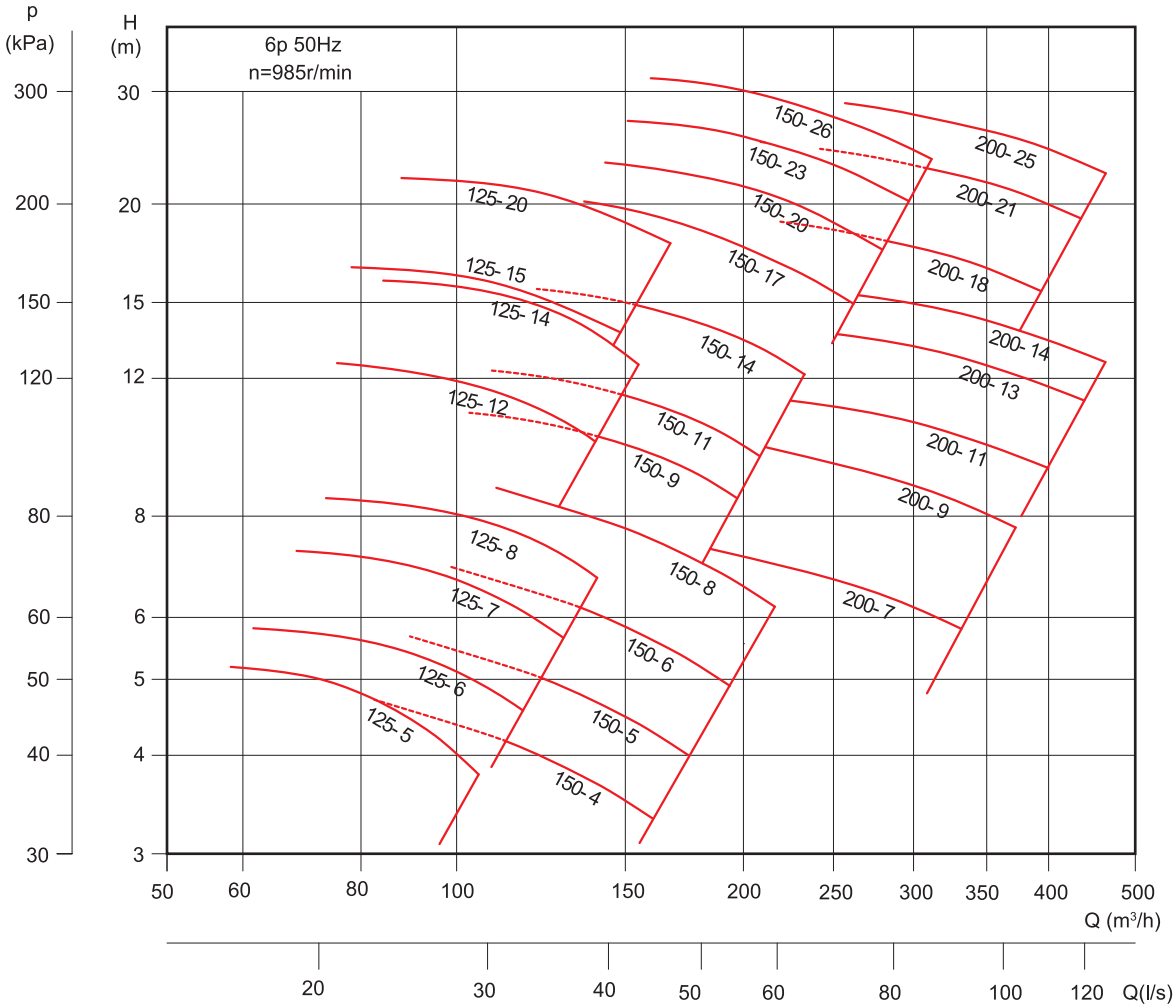
Hydraulic coverage curve



Note: A simplified model example illustrates the ---- 32-50
32 ---- represents row outlet diameter
50 ---- rated head (round value, below 4.6)



Hydraulic coverage curve



Operation conditions

System pressure and test pressure

Nominal pressure	Max. system operation pressure		Test pressure		Nominal diameter(mm)	Speed (r/min)
	(bar)	(MPa)	(bar)	(MPa)		
PN16	16	1.6	24	2.4	DN32~125	2960
					DN32~350	1480
					DN125~200	985
PN25	25	2.5	38	3.8	DN80~125	2960

Max. Inlet pressure

Max. operation pressure=Max. Inlet pressure + H₀ (Head at Q=0)

Type	Head (Qn) H (m)	Head (Q=0) H ₀ (m)	Max. Inlet pressure	
			PN16	PN25
Outlet DN _D 32~150 PN16 n: 2960r/min	20	≤29	1.31	
	32	≤44	1.16	
	50	≤70	0.90	
	80	≤100	0.60	
Outlet DN _D 32~350 PN16 n: 1480r/min	5	≤7	1.53	
	8	≤10	1.5	
	12.5	≤19	1.41	
	20	≤37	1.23	
	31.3	≤42	1.18	
Outlet DN _D 125~200 PN16 n: 985r/min	50	≤66	0.94	
	8.9	≤12	1.48	
	13.9	≤20	1.40	
Outlet DN _D 80~150 PN25 n: 2960r/min	22.2	≤37	1.23	
	125	≤150		1.0

Operation conditions

Min. Inlet pressure

The minimum inlet pressure “HS” can be calculated by the following equation. That is required to avoid cavitation during pump operation. The unit is m.

$H_S = P_b \times 10.2 - NPSH_r - H_f - H_v - \Delta h$

In the formula:

The atmospheric pressure value (1bar).

In the closed system, “P_b” represents the system pressure (unit: bar)

The NPSH_r value corresponding to the maximum flow point of pump on the NPSH_r-Q curve (m)

H_f——Friction loss of the suction line. (m)

H_v——Vaporization pressure at the operation temperature of the pumping medium. (m)

Δh——Safety margin, min. 0.5m

Note: If the calculated value of “H_s”is positive,the pump can operate within the maximum suction range “H_s”meters; if the calculated value of “H_s”is negative, the pump should work above the absolute value of the minimum suction head “H_s”

Steam pressure of water:

T(°C)	20	60	80	90	100
Pd(bar)	0.02	0.20	0.47	0.70	1.01
H _v (m)	0.20	2.04	4.79	7.14	10.30
T(°C)	110	120	130	140	150
Pd(bar)	1.43	1.99	2.70	3.61	4.76
H _v (m)	14.59	20.30	27.54	36.82	48.55

Sound pressure level

The noise of TPW/TWZ/TWX pump is generated from mechanical, electromagnetic,hydraulic pulsation,etc., mainly from the motor fan.

380V/50Hz YE3/YE4 three-phase asynchronous motor noise indicators are shown in the following table:

Motor power (kW)	Max. Noise value (dB)-GB10069.3-2008		
	2 pole	4 pole	6 pole
0.75	62	56	
1.1	62	59	
1.5	67	59	61
2.2	67	64	65
3	74	64	69
4	77	65	69
5.5	79	71	69
7.5	79	71	70
11	81	73	70
15	81	73	73
18.5	81	76	73
22	83	76	73
30	84	76	74
37	84	78	76
45	86	78	
55	89	79	
75	91	80	
90	91	80	
110	92	88	
132	92	88	
160	92	88	
185	92	88	
200	92	88	
220	100	95	
250	100	95	
280	100	95	
315	100	95	
355	100		

Noise evaluation value of TPW/TWZ/TW pumps are satisfied with GB/T29529-2013.

Environment

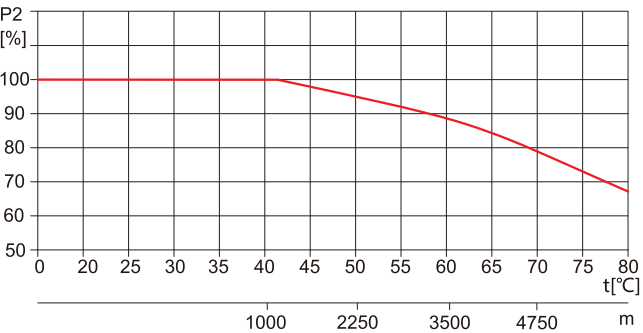
Ambient temperature: -20℃ ~ +40℃

Relative humidity: ≤95%

Height of installation site above sea level < 1000m

If the motor is operating above 40, lower the power

When the installation position of the motor exceeds 1000m altitude, the output power (P2) of the motor will be reduced, mainly because the air density is low and the cooling of the motor is slow. At this time, a large motor needs to be used to meet the higher output power.



The diagram of motor output power (P2) on altitude and temperature

In wet conditions,the motor center drain hole must be opened, in addition, the drain hole must be facing down. In this case, the motor protection rating is IP44. Three-phase motor must be connected to a motor protection circuit breaker.

Pump liquid

Clean, thin, non-erosive, non-explosive, liquid without any solid particles or fibers that may cause mechanical or chemical damage to the pump, medium fixed insoluble volume not exceeding 0.1% of unit volume, particle size < 0.2mm.

The TPW pump uses the full temperature range of -25℃ ~ +90℃, and the standard pumping medium temperature is usually at 0℃ ~ +90℃. If the temperature of pumping medium is at-25℃ ~ 0℃, it is recommended that the standard sealing friction auxiliary change from C/SiC to SiC/SiC.

The TWZ pump uses the full temperature range of -25℃ ~ +120℃, and the standard pumping medium temperature is usually at 0℃ ~ +120℃. If the temperature of pumping medium is at-25℃ ~ 0℃, it is recommended that the standard sealing friction auxiliary change from C/SiC to SiC/SiC; If the medium temperature is +90℃ ~ +120℃, it is not recommended that the pump set leader operate to protect the equipment.

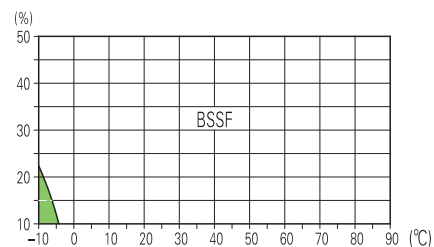
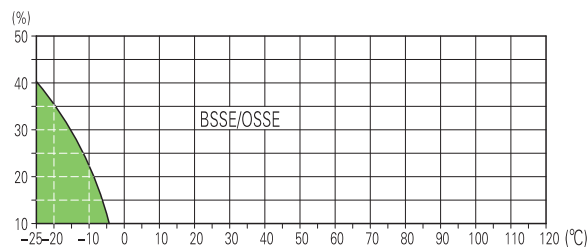
The TWX pump uses the full temperature range of -25℃ ~ +150℃. For the 16bar pump, the supply medium temperature of the standard BTSE non-balanced rubber bellows machine seal is usually at 0℃ ~ +120℃. If the temperature of pumping medium is at-25℃ ~ 0℃ or -25℃ ~ 120℃, it is recommended to select LSSE machine seal and the friction auxiliary change from C/SiC to SiC/SiC; If the temperature is +120℃ ~ +150℃, please specify in the order, and STSE balanced machine seal should be configured. For 25bar pump, the delivery medium temperature of standard STSE balancing seal is 0℃ ~ +150℃. If the temperature of the pumping medium is -25℃ ~ 0℃or -25℃ ~ 120℃, it is recommended to choose the SSSE seal, and the friction pair is SiC/SiC, If the tempperature of the pumping medium is +120℃~+150℃,it is recommended to choose the STSD seal.

Operation conditions

Suitable areas for the pumping media

- Air-conditioning
- Boiler system
- Cooling and freezing system
- Domestic hot water system
- Industrial liquids, such as liquid circulation
- Water supply and pressurization and irrigation
- Sanitary water, softened water

If ethylene glycol or other antifreeze is added to medium, the grade and concentration and temperature and other indicators should be specified in the order or data sheet at the time of ordering.



If the density or motion viscosity of the pumping medium is higher than the water, it will cause:

- The pressure decreased significantly
- The hydraulic performance decreased
- Energy consumption increases

In the above case, a higher power motor should be used. If you have any doubt, please contact the manufacturer.

If the medium contains mineral oil or chemicals and other liquids different from water, the appropriate O-ring should be selected.

TPW Structural type and configuration

The TPW series horizontal pipe circulating pump, to absorb the advantages of similar products at home and abroad and independently developed the third generation of horizontal single-stage suction centrifugal pump products in accordance with the current relevant standards, inherited the excellent hydraulic model in the TP vertical pump. The performance of the full range of various specifications was replanned. Pump efficiency and corrosion resistance are even better. The overall structure has been optimized on the basis of the second generation TQW, to make its structure more reasonable. Compared with the updated TQW, the volume and weight are close, but the reliability, fault-free running time, maintainability and appearance have all reached the international advanced level.

The improved pipe circulating pump is a horizontal single stage single suction (axial suction) centrifugal pump, the pump inlet and outlet and the pipeline are flange connected, with 380V/50Hz/YE3 or YE4 series B35 (base with feet, end cover flange) type special motor and non-balanced mechanical seal.

The design temperature of TPW full series of products is 150 °C. The design pressure of pump with nominal head 80m is 16 bar, and the wall thickness of inlet and outlet flange and pressure boundary is design as 16 bar. For the nominal head 125m pump, the design pressure is 25 bar, the inlet flange is designed according to PN16, and the outlet flange and wall thickness are designed according to PN25.

The TPW product is designed at 2960/1480/985 rpm at three rotational speeds.

The nominal diameter of the pump import according to ISO2858 standard mostly is large than the outlet. The inlet is axial inhalation, the inlet diameter is reasonably selected and determined according to the flow rate, and the outlet is the upward center discharge. The impeller is installed on the special motor shaft extension, and the impeller design has considered the axial

TPW Structural type and configuration

force balance. The pump casing and pump casing cover are equipped with replaceable sealing rings (pumps below DN65 & head 32m shall only set the front sealing ring on the pump casing) to ensure long-time efficient operation of the pump and improve the versatility of the pump casing cover. The pump is not equipped with bearings. The radial forces and axial forces are borne by the motor bearings. The pump and motor are fixed on the common base through the bolts connection. For the pump group equipped with motors below 7.5 kW, adopt the bending base, fixed on the concrete foundation by expansion bolts or fixed on the embedded metal plate by steel bolts. For the pump group with 11~37 kW motors, type steel welding structure base is used and slide rail is set on the base. For the pump group with 45~215 kW motors, type steel welding structure base, and top wire is set on the casing cover and impeller for maintenance or repair without moving the pump casing to connect the pipe and foundation.

The motors assembled on the TPW pump are closed, air-cooled, three-phase heterogeneous rat cage special motors. The main technical requirements meet the relevant standards of GB or IEC. The seat number is 80M1~355L.

YE3/YE4 series, B35 installation type

Relative humidity of 95%

Protection level: IP55

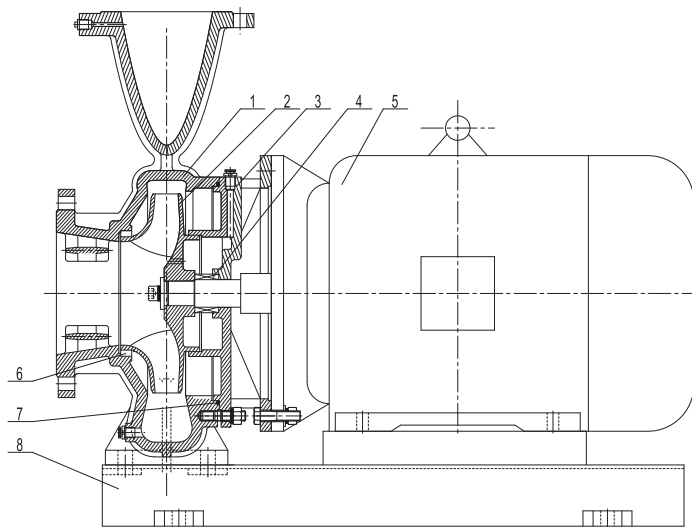
Insulation grade: F

Rotation direction: look clockwise from the motor fan end to the pump

Main characteristics of the TPW pump group

- The overall structure of the pump is advanced and reasonable, and motor and pump direct connection design, reducing the floor area
- Standard high efficiency YE3 three-phase asynchronous motor or ultra high efficiency YE4 motor according to customer requirements, national standard 2,3 energy efficiency
- More efficient hydraulic optimization design of pump flow parts to reduce energy consumption, recommended operation range $0.7Q_n \sim 1.2Q_n$ is wider than GB/T13007 B line, and specifically give the head, shaft power and cavitation indicators of five flow points of $0.7Q_n, 0.85Q_n, 1.0Q_n, 1.1Q_n, 1.2Q_n$
- Suitable pump inlet diameter design, maintain reasonable inlet flow rate, reduce loss, ensure high efficiency while taking into account high corrosion resistance
- It can be applied to different pipeline system caliber and pressure level configuration
- The size of the impeller outer diameter after cutting is determined according to the rated output power of the motor at the shaft power at $1.2Q_n$ flow point to facilitate the operation of the motor in the efficient area, safe and reliable
- The impeller adopts metal mold and precision casting made by CNC machining center. The design flow channel center and the machining reference center have high coincidence degree, and better hydraulic and mechanical balance, making the pump operation more stable
- The pump casing is equipped with a replaceable sealing ring to ensure that the pump is always efficient
- Configure seals for different fluid media
- Three different structures of the base design, easy to inspection, maintenance
- After 3D design of pump casing and pump casing cover, the die is CNC and the size deviation of the excessive part of the die shall be controlled within 0.2mm. The casting process reaches CT7 and the casting surface roughness is below $12.5\mu m$; the machining accuracy is micron level to ensuring the size tolerance of all machining parts. The castings are protected by electrophoresis treatment to improve the corrosion resistance. The pump casing of DN250 and above is painted in Tianquan blue or black paint

TPW Structure diagram



Material description of pump parts

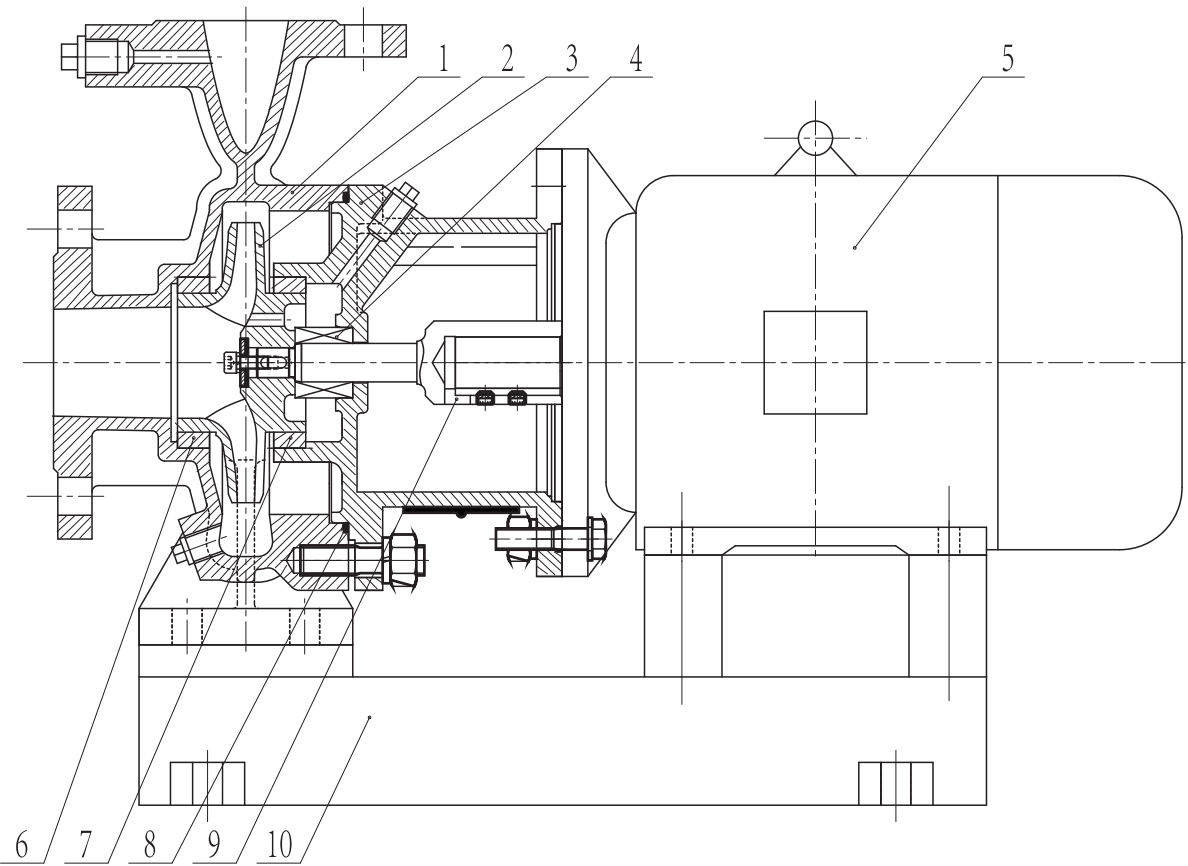
Item No.	Parts & Components	Material	Standard	Application
1	Pump casing	Cast iron HT250	GB/T9439-2010	PN16 standard configuration Rated head≤80m
		Nodular cast iron QT400	GB1348-2019	PN16 DN≥250mm, 4p (n=1480), Selective breeding
		Nodular cast iron QT500	GB1348-2019	PN25 standard configuration Rated head≥125m, 2p (n=2960)
2	Impeller	Cast iron HT200	GB/T9439-2010	Standard configuration
		ZG07Cr19Ni10	GB/T2100-2017	Selective breeding
3	Pump casing cover	Cast iron HT250	GB/T9439-2010	PN16 standard configuration Rated head≤80m
		Nodular cast iron QT400	GB1348-2019	PN16 DN≥250mm, 4p (n=1480), Selective breeding
		Nodular cast iron QT500	GB1348-2019	PN25 standard configuration Rated head≥125m, 2p (n=2960)
4	Mechanical seal	/	GB/T6556-2016	Unbalanced rubber bellows seal, suitable for 16bar pump
			GB/T33509-2017	Balanced machine seal, suitable for 25bar p
5	Motor	/	GB18613-2020	YE3, standard configuration YE4 , Selective breeding
6	Pump casing sealing ring	Nodular cast iron QT400	GB1348-2019	Standard configuration
7	O-ring	EPDM	GB/T3452.1-2005	EPDM, standard configuration
		FKM	GB/T30308-2013	Fluorine rubber, suitable for corrosive media, selective breeding
8	Base	Carbon Q235	GB/T700-2006 GB/T709-2006	Steel plate bending or section steel welded components, standard configuration

TWZ Structural type and configuration

TWZ technical feature

TWZ series horizontal rigid coupled cantilever single-stage single-suction centrifugal pump is derived from TPW series. It shares the same pump body, impeller as TPW and the same motor support as TP series. TWZ features a higher operating temperature than TPW.

TWZ Structure diagram



TWZ Structural type and configuration

Material description of pump parts

Item No.	Parts & Components	Material	Standard	Application
1	Pump casing	Cast iron HT250	GB/T9439-2010	PN16 standard configuration Rated head≤80m, DN≤200mm
2	Impeller	Cast iron HT200	GB/T9439-2010	Standard configuration
		ZG07Cr19Ni10	GB/T2100-2017	Selective breeding
3	Motor support	Cast iron HT250	GB/T9439-2010	Standard configuration
4	Mechanical seal	/	GB/T6556-2016	Unbalanced rubber bellows seal, suitable for 16bar pump
			GB/T33509-2017	Balanced machine seal, suitable for 25bar pump
5	Motor	/	GB755-2008 GB18613-2020	380V/50Hz B35 YE3, standard configuration YE4 or YE5, Selective breeding
6	Pump casing seal ring	304/Bronze ZCuSn10ZN2	GB/T1176-2013	Standard configuration
7	Motor support seal ring	304/Bronze ZCuSn10ZN2	GB/T1176-2013	Standard configuration
8	O-ring	EPDM	GB/T3452.1-2005	EPDM, standard configuration
		FKM	GB/T30308-2013	Fluorine rubber, suitable for corrosive media, selective breeding
9	Shaft	20Cr13	GB/T20878-2007	Standard configuration
		06Cr19Ni10	GB/T20878-2007	Selective breeding
10	Base	Carbon Q235	GB/T700-2006 GB/T709-2006	Steel plate bending or section steel welded components, standard configuration

TWX Structural type and configuration

The TWX series horizontal pipe circulating pump, in the absorption of domestic and foreign horizontal with suspension cantilever single-stage and single suction centrifugal pump similar products of advantages and current in accordance with the current relevant standards of independent research and development of the fourth generation of horizontal single-stage single-suction centrifugal pump products, inherited the TP/TPW pumps excellent hydraulic model, pump efficiency and corrosion resistance are even better. TWX is used higher temperature than TPW and TWZ, the overall structure is more reasonable, has been optimized on the basis of the second generation TQW, to make its structure more reasonable, the operation is safer, stable and reliable, and more convenient for pump disassembly and maintenance without need for pipe and motor removal.

The improved pipe circulating pump is a horizontal single stage single suction (axial suction) centrifugal pump, the pump inlet and outlet and the pipeline are flange connected, with 380V/50Hz/YE3 or YE4 and YE5 series B3 type standard motor and mechanical seal.

The design temperature of TPW full series of products is 120°C. The design pressure of pump with nominal head 80m is 16 bar, and the wall thickness of inlet and outlet flange and pressure boundary is design as 16 bar. For the nominal head 125m pump, the design pressure is 25 bar, the inlet flange is designed according to PN16, and the outlet flange and wall thickness are designed according to PN25.

Pump casing and impeller of TWX are basically universal with TPW, and the outlet diameter is DN32~DN350.DN150 adds with 2 pole motor, rated head 80m and 125m, impeller nominal diameter 250mm and 315mm specifications.

The TWX product is designed at 2960/1480/985 rpm at three rotational speeds.

The nominal diameter of the pump import according to ISO2858 standard mostly is large than the outlet. The inlet is axial

inhalation,the inlet diameter is reasonably selected and determined according to the flow rate,and the outlet is the upward center discharge. The impeller is installed on the special motor shaft extension, and the impeller design has considered the axial force balance. The pump casing and pump casing cover are equipped with replaceable sealing rings (pumps below DN65 & head 32m shall only set the front sealing ring on the pump casing) to ensure long-time efficient operation of the pump and improve the versatility of the pump casing cover. The pump is not equipped with bearings. The radial forces and axial forces are borne by the motor bearings. The pump and motor are fixed on the common base through the bolts connection. For the pump group equipped with motors below 7.5 kW, adopt the bending base, fixed on the concrete foundation by expansion bolts or fixed on the embedded metal plate by steel bolts. For the pump group with 11~37 kW motors, type steel welding structure base is used and slide rail is set on the base. For the pump group with 45~215 kW motors, type steel welding structure base, and top wire is set on the casing cover and impeller for maintenance or repair without moving the pump casing to connect the pipe and foundation.

The motors assembled on the TPW pump are closed, air-cooled, three-phase heterogeneous rat cage special motors. The main technical requirements meet the relevant standards of GB or IEC. The seat number is 80M1~355L.

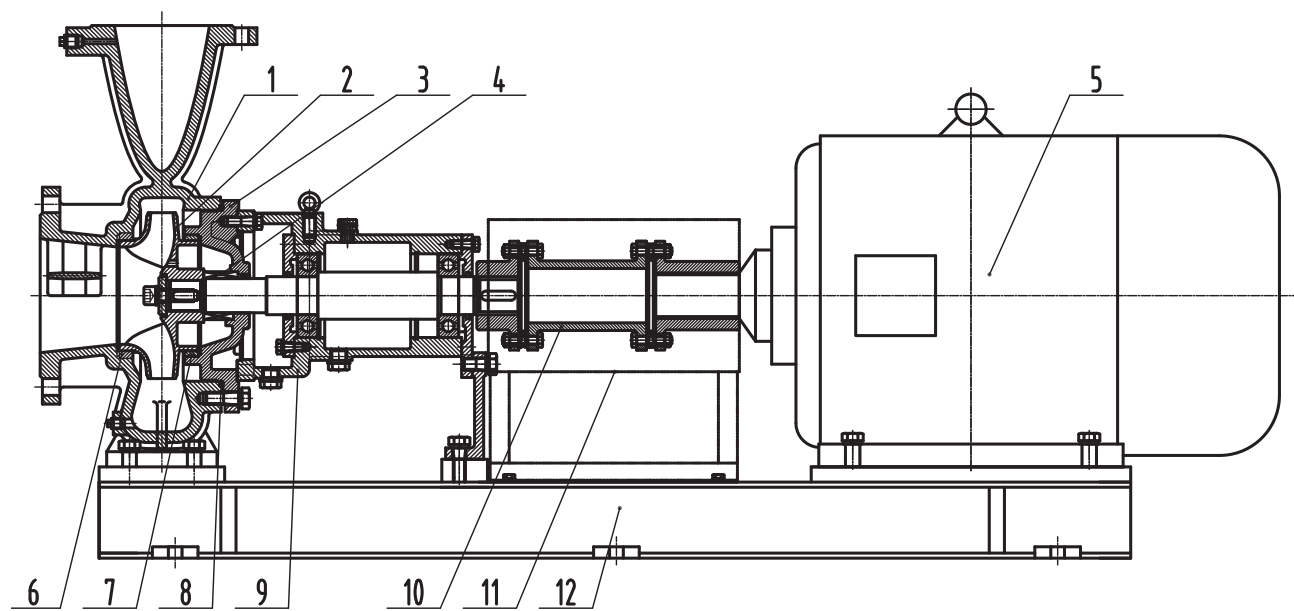
- YE3 , standard configuration ,
- YE4/YE5 , selective breeding , B3 type
- Relative humidity of 95%
- Protection level: IP55
- Insulation grade: F
- Rotation direction: look clockwise from the motor fan end to the pump

Main characteristics of the TPX pump group

- The overall structure of the pump is advanced and reasonable, and motor and pump direct connection design, reducing the floor area
- Standard high efficiency YE3 or ultra high efficiency YE4 or YE5 motor
- More efficient hydraulic optimization design of pump flow parts to reduce energy consumption, recommended operation range 0.7Qn~1.2Qn is wider than GB/T13007 B line, and specifically give the head, shaft power and cavitation indicators of five flow points of 0.7Qn,0.85Qn,1.0Qn,1.1Qn,1.2Qn
- Suitable pump inlet diameter design, maintain reasonable inlet flow rate, reduce loss, ensure high efficiency while taking into account high corrosion resistance
- It can be applied to different pipeline system caliber and pressure level configuration
- The size of the impeller outer diameter after cutting is determined according to the rated output power of the motor at the shaft power at 1.2Qn flow point to facilitate the operation of the motor in the efficient area, safe and reliable
- The impeller adopts metal mold and precision casting made by CNC machining center. The design flow channel center and the machining reference center have high coincidence degree, and better hydraulic and mechanical balance, making the pump operation more stable
- The pump casing is equipped with a replaceable sealing ring to ensure that the pump is always efficient
- Configure seals for different fluid media
- Three different structures of the base design, easy to inspection, maintenance
- After 3D design of pump casing and pump casing cover,

the die is CNC and the size deviation of the excessive part of the die shall be controlled within 0.2mm. The casting process reaches CT7 and the casting surface roughness is below 12.5μm; the machining accuracy is micron level to ensuring the size tolerance of all machining parts. The castings are protected by electrophoresis treatment to improve the corrosion resistance. The pump casing of DN250 and above is painted in blue or black paint

TWX Structure diagram



TWX Structural type and configuration

Material description of pump parts

Item No.	Parts & Components	Material	Standard	Application
1	Pump casing	Cast iron HT250	GB/T9439-2010	PN16 standard configuration Rated head≤80m
		Nodular cast iron QT400-18	GB1348-2019	PN16 DN≥250mm 4p motor, Selective breeding
		Nodular cast iron QT500	GB1348-2019	PN25 DND80-150 standard configuration Rated head 125m, 2p (n=2960)
2	Impeller	Cast iron HT200	GB/T9439-2010	Standard configuration
		ZG07Cr19Ni10	GB/T2100-2017	Selective breeding
3	Pump casing cover	Cast iron HT250	GB/T9439-2010	Standard configuration
		Nodular cast iron QT400	GB1348-2019	PN16 DN≥250mm 4p motor, Selective breeding
		Nodular cast iron QT500	GB1348-2019	PN25 DND80-150 standard configuration Rated head≥125m, 2p (n=2960)
4	Mechanical seal	C or SiC / SiC	GB/T6556-2016	Unbalanced rubber bellows seal, suitable for 16bar pump
		C (metal impregna- tion) or SiC / SiC	GB/T33509-2017	Balanced machine seal, suitable for 25bar pump
5	Motor	380V/50Hz B3	GB18613-2020	YE3, standard configuration YE4 or YE5, Selective breeding
6	Pump casing sealing ring	304/Bronze ZCuSn10ZN2	GB/T1176-2013	Standard configuration
7	Pump casing cover sealing ring	304/Bronze ZCuSn10ZN2	GB/T1176-2013	Standard configuration
8	O-ring	EPDM	GB/T3452.1-2005	EPDM, standard configuration
		EPDM FKM	GB/T3452.1-2005	Fluorine rubber, suitable for corrosive media, selective breeding
9	Bearing suspension component	/		
10	Coupling component	/		Outsourcing
11	Coupling cover	/		Outsourcing
12	Base	Carbon Q235	GB/T700-2006	Section steel welded components, standard configuration

Mechanical seal

Mechanical seal of large spring, rubber bellows unbalanced (equivalent to UN type EN12756).
 Shaft diameter 18/25/35/45/55/65/75 Maximum operating temperature is +140℃.
 If the actual operating temperature exceeds 120℃(120-140℃), and long-time continuous operation, it is recommended to
 choose standard OTSD shaft seal instead (not for drinking water).

Seal with fixed spring drive & O-ring or Balance seal with O-ring for 25 bar pump.

Example of shaft seal code

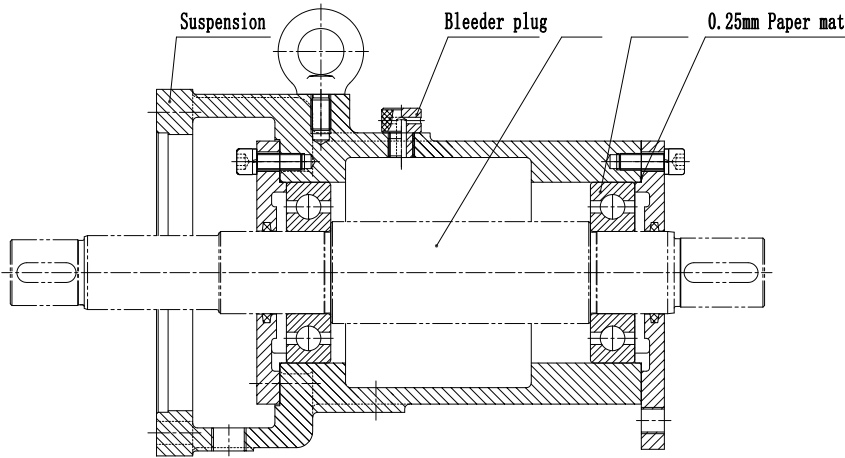
B	T	S	E
			Grade II sealing material
			E : EPDM
			P : NBR
			F : FKM
			D : FFKM
			Stationary ring material
			C : Graphite-immersed synthetic resin
			T : Graphite-soaked antimony
			S : SiC
			W : WC
			Rotary ring material
			T : Graphite-soaked antimony
			C : Graphite-immersed synthetic resin
			S : SiC
			Machine seal code
			S : Seal with fixed spring drive & O-ring
			B : Rubber bellows seal
			O : Balance seal with O-ring
			L : Bellow pipe seal with reduced sealing surface
			R : O-ring seal with a reduced sealing face

Shaft seal code	Temperature range (°C)	Medium type	Shaft diameter of machine seal (mm)						
			18	25	35	45	55	65	75
			Max. Operation pressure (bar)						
BTSE*	0 ~ +120	water ; cogasin	16	16	16	16	16	16	16
BTSE	0 ~ +90	water ; cogasin	16	16	16	16	16	16	16
BSSE	0 ~ +90	light salt brine、coolant cogasin、abluent salt 、alkali	16	16	16	16	16	16	16
BSSE	0 ~ +90	water , etc.	16	16	16	16	16	16	16
BSCE	0 ~ +90	groundwater boiler feed water condensated water softened water、oxidant cogasin & plant oil	16	16	16	-	-	-	-
BCSE	0 ~ +120	drinking water	16	16	16	16	16	16	16
LSSE	-25 ~ +60	water、coolant、abluent oxidant 、salt 、alkali	16	16	16	16	16	16	16
LSSF	-20 ~ +60	groundwater boiler feed water condensated water softened water 、oxidant	16	16	16	16	16	16	16
SSSE	0 ~ +90	water ; cogasin	16	16	16	25	25	16	16
SSSF	0 ~ +90	water ; cogasin	16	16	16	25	25	16	16
STSE	0 ~ +120	water ; cogasin	16	16	16	25	25	16	16
STSF	0 ~ +90	water ; cogasin	16	16	16	25	25	16	16
SSSE	-40 ~ +120	water 、coolant 、abluent oxidant 、salt 、alkali	16	16	16	25	25	16	16
STSD*	0 ~ +150	groundwater boiler feed water condensated water softened water 、oxidant cogasin & plant oil	16	16	16	25	25	16	16

Note: 1.*----standard; 2. other one ----optional

Bearing suspension assembly

TWX has six types suspension parts.Bearings at the pump end are single-row deep groove ball bearing or roller bearings while coupling end is single-row or double-row deep groove ball bearings.



TWX Pump Suspension Spare Parts Configuration Table

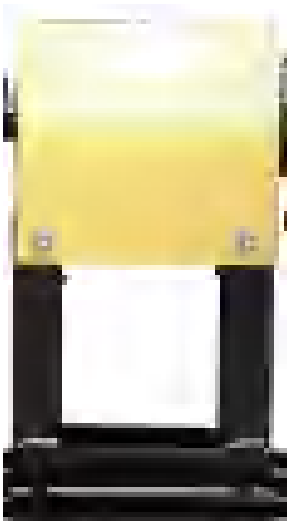
Suspension number	Bearing type of pump end	Bearing type of drive end	Note
30	2×6206-2Z	6306-2Z	0.25mm
40	2×6208-2Z	6308-2Z	0.25mm
50	6310-2Z	6310-2Z	0.25mm
60	6312-2Z	6312-2Z	0.25mm
70	2×6214-2Z	6314-2Z	0.25mm
80A	6316-2Z	6316-2Z	0.25mm
80B	NU316E	2×6316-2Z	0.25mm

Coupling

Using industry standard JB/T9147-1999 -Extended diaphragm coupling



Coupling guard



Motor data

It is recommended to use 2/4/6 pole 3×380V/50Hz B35 or B3 motors in according with GB/T755-2025 and GB18613-2020, standard electrical data are shown in the table below.

Actual operation data of motor is detailed in the sample of motor manufacturer, which may be slightly different from the data in this table.

2 pole 3×380V/50Hz standard motor electrical data

Type	Rated Output (kW)	Current (A)	Speed (r/min)	Eff. (%)	Power factor (cosψ)	Max torque Rated current	Locked Current Rated Current	Noise limit dB(A)	Vibration limit (mm/s)	Weight (kg)
YE3-80M1-2	0.75	1.7	2870	80.7	0.82	2.3	7.0	62	1.8	18
YE4-80M1-2		1.6	2895	83.5	0.83	2.3	8.5	62		18
YE5-80M1-2		1.6	2895	86.3	0.83	2.3	8.5	62		18
YE3-80M2-2	1.1	2.4	2875	82.7	0.83	2.3	7.6	62	1.8	18.5
YE4-80M2-2		2.4	2890	85.2	0.83	2.3	8.5	62		20
YE5-80M2-2		2.4	2890	87.8	0.83	2.3	8.5	62		20
YE3-90S-2	1.5	3.2	2880	84.2	0.84	2.3	7.9	67	1.8	22
YE4-90S-2		3.1	2880	86.5	0.85	2.3	9.0	67		26
YE5-90S-2		3.1	2880	88.9	0.85	2.3	9.0	67		26
YE3-90L-2	2.2	4.6	2880	85.9	0.85	2.3	7.9	67	1.8	27
YE4-90L-2		4.4	2880	88.0	0.86	2.3	9.0	67		30
YE5-90L-2		4.4	2880	90.2	0.86	2.3	9.0	67		30
YE3-100L-2	3	6.0	2880	87.1	0.87	2.3	8.5	74	1.8	33
YE4-100L-2		5.9	2905	89.1	0.87	2.3	9.5	74		37
YE5-100L-2		5.9	2905	91.1	0.87	2.3	9.5	74		37
YE3-112M-2	4	7.8	2915	88.1	0.88	2.3	8.5	77	1.8	44
YE4-112M-2		7.7	2920	90.0	0.88	2.3	9.5	77		47
YE5-112M-2		7.7	2920	91.8	0.88	2.3	9.5	77		47
YE3-132S1-2	5.5	10.6	2935	89.2	0.88	2.3	8.5	79	1.8	66
YE4-132S1-2		10.4	2945	90.9	0.88	2.3	9.5	79		66
YE5-132S1-2		10.4	2945	92.6	0.88	2.3	9.5	79		66
YE3-132S2-2	7.5	14.4	2930	90.1	0.88	2.3	8.5	79	1.8	73
YE4-132S2-2		14.0	2940	91.7	0.89	2.3	9.5	79		74
YE5-132S2-2		14.0	2940	93.3	0.89	2.3	9.5	79		74
YE3-160M1-2	11	20.6	2950	91.2	0.89	2.3	8.5	81	2.8	115
YE4-160M1-2		20.3	2965	92.6	0.89	2.3	9.5	81		122
YE5-160M1-2		20.3	2965	94.0	0.89	2.3	9.5	81		122
YE3-160M2-2	15	27.9	2945	91.9	0.89	2.3	8.5	81	2.8	125
YE4-160M2-2		27.5	2965	93.3	0.89	2.3	9.5	81		133
YE5-160M2-2		27.5	2965	94.5	0.89	2.3	9.5	81		133
YE3-160L-2	18.5	34.2	2945	92.4	0.89	2.3	8.5	81	2.8	142
YE4-160L-2		33.7	2965	93.7	0.89	2.3	9.5	81		152
YE5-160L-2		33.7	2965	94.9	0.89	2.3	9.5	81		152
YE3-180M-2	22	40.5	2950	92.7	0.89	2.3	8.5	83	2.8	175
YE4-180M-2		40.0	2970	94.0	0.89	2.3	9.5	83		192
YE5-180M-2		40.0	2970	95.1	0.89	2.3	9.5	83		192

Type	Rated Output (kW)	Current (A)	Speed (r/min)	Eff. (%)	Power factor (cosψ)	Max torque Rated current	Locked Current Rated Current	Noise limit dB(A)	Vibration limit (mm/s)	Weight (kg)
YE3-200L1-2	30	54.9	2965	93.3	0.89	2.3	8.5	84	2.8	249
YE4-200L1-2		54.2	2965	94.5	0.89	2.3	9.0	84		252
YE5-200L1-2		54.2	2965	95.5	0.89	2.3	9.0	84		252
YE3-200L2-2	37	67.4	2965	93.7	0.89	2.3	8.5	84	2.8	255
YE4-200L2-2		66.6	2965	94.8	0.89	2.3	9.0	84		276
YE5-200L2-2		66.6	2965	95.8	0.89	2.3	9.0	84		276
YE3-225M-2	45	80.8	2965	94.0	0.90	2.3	8.0	86	2.8	306
YE4-225M-2		80.9	2970	95.0	0.90	2.3	9.0	86		316
YE5-225M-2		80.9	2970	96.0	0.90	2.3	9.0	86		316
YE3-250M-2	55	98.5	2975	94.3	0.90	2.3	8.0	89	3.5	417
YE4-250M-2		98.5	2980	95.3	0.89	2.3	9.0	89		417
YE5-250M-2		98.5	2980	96.2	0.89	2.3	9.0	89		417
YE3-280S-2	75	134	2975	94.7	0.90	2.3	7.5	91	3.5	544
YE4-280S-2		134	2975	95.6	0.89	2.3	8.5	91		607
YE5-280S-2		134	2975	96.5	0.89	2.3	8.5	91		607
YE3-280M-2	90	160	2975	95.0	0.90	2.3	7.5	91	3.5	620
YE4-280M-2		160	2975	95.8	0.89	2.3	8.5	91		671
YE5-280M-2		160	2975	96.6	0.89	2.3	8.5	91		671
YE3-315S-2	110	195	2985	95.2	0.90	2.3	7.5	92	3.5	966
YE4-315S-2		196	2985	96.0	0.89	2.3	8.5	92		1000
YE5-315S-2		196	2985	96.8	0.89	2.3	8.5	92		1000
YE3-315M-2	132	234	2985	95.4	0.90	2.3	7.5	92	3.5	1067
YE4-315M-2		234	2985	96.2	0.89	2.3	8.5	92		1100
YE5-315M-2		234	2985	96.9	0.89	2.3	8.5	92		1100
YE3-315L1-2	160	279	2985	95.6	0.90	2.3	7.5	92	3.5	1151
YE4-315L1-2		284	2985	96.3	0.89	2.2	8.5	92		1185
YE5-315L1-2		284	2985	97.0	0.89	2.2	8.5	92		1185
YE3-315L-2	185	323	2985	95.7	0.91	2.3	7.5	92	3.5	1200
YE4-315L-2		328	2985	96.4	0.89	2.2	8.5	92		1230
YE5-315L-2		328	2985	97.1	0.89	2.2	8.5	92		1230
YE3-315L2-2	200	349	2985	95.8	0.91	2.2	7.5	92	3.5	1240
YE4-315L2-2		354	2985	96.5	0.89	2.2	8.5	92		1280
YE5-315L2-2		354	2985	97.2	0.89	2.2	8.5	92		1280
YE3-355M1-2	220	383	2985	95.8	0.91	2.2	7.5	100	3.5	1700
YE4-355M1-2		389	2985	96.5	0.89	2.2	8.5	97		1850
YE5-355M1-2		378	2985	97.2	0.91	2.2	8.5	97		1930
YE3-355M-2	250	436	2985	95.8	0.91	2.2	7.5	100	3.5	2020
YE4-355M-2		433	2985	96.5	0.91	2.2	8.5	97		2080
YE5-355M-2		429	2985	97.2	0.91	2.2	8.5	97		2145
YE3-355L1-2	280	488	2985	95.8	0.91	2.2	7.5	100	3.5	1200
YE4-355L1-2		484	2985	96.4	0.89	2.2	8.5	97		1230
YE5-355L1-2		481	2985	97.2	0.91	2.2	8.5	97		1230
YE3-355L-2	315	549	2985	95.8	0.91	2.2	7.5	100	3.5	2220
YE4-355L-2		545	2985	96.5	0.91	2.2	8.5	97		2310
YE5-355L-2		541	2980	97.2	0.91	2.2	8.5	97		2440
YE3-355 1-2	355	619	2985	95.8	0.91	2.2	7.5	100	3.5	2450
YE4-355 1-2		621	2985	96.5	0.90	1.8	8.6	97		2580
YE5-355 1-2		610	2985	97.2	0.90	1.8	8.6	97		2630

Motor data

4 pole 3×380V/50Hz standard motor electrical data

Type	Rated Output (kW)	Current (A)	Speed (r/min)	Eff. (%)	Power factor (cosψ)	Max torque Rated current	Locked Current Rated Current	Noise limit dB(A)	Vibration limit (mm/s)	Weight (kg)
YE3-80M2-4	0.75	1.8	1430	82.5	0.75	2.3	6.6	56	1.8	19
YE4-80M2-4		1.8	1440	85.7	0.74	2.3	8.5	56		20
YE5-80M2-4		1.75	1390	88.2	0.74	2.3	8.5	56		21
YE3-90S-4	1.1	2.6	1430	84.1	0.76	2.3	6.8	59	1.8	26
YE4-90S-4		2.6	1445	87.2	0.75	2.3	8.5	59		27
YE5-90S-4		2.49	1390	89.5	0.75	2.3	8.5	59		28
YE3-90L-4	1.5	3.5	1430	85.3	0.77	2.3	7.0	59	1.8	29
YE4-90L-4		3.4	1445	88.2	0.76	2.3	9.0	59		30
YE5-90L-4		3.32	1390	90.4	0.76	2.3	9.0	59		31
YE3-100L1-4	2.2	4.8	1440	86.7	0.81	2.3	7.6	64	1.8	34
YE4-100L1-4		4.7	1450	89.5	0.79	2.3	9.0	64		35
YE5-100L1-4		4.63	1410	91.4	0.79	2.3	9.0	64		36
YE3-100L2-4	3	6.3	1440	87.7	0.82	2.3	7.6	64	1.8	37
YE4-100L2-4		6.3	1450	90.4	0.80	2.3	9.5	64		40
YE4-100L2-4		6.19	1410	92.1	0.80	2.3	9.5	64		42
YE3-112M-4	4	8.4	1455	88.6	0.82	2.3	7.8	65	1.8	47
YE4-112M-4		8.3	1460	91.1	0.80	2.3	9.5	65		49
YE5-112M-4		8.19	1435	92.8	0.80	2.3	9.5	65		50
YE3-132S-4	5.5	11.2	1465	89.6	0.83	2.3	7.9	71	1.8	70
YE4-132S-4		11.4	1475	91.9	0.81	2.3	9.5	71		70
YE5-132S-4		11.2	1440	93.4	0.80	2.3	9.5	71		72
YE3-132M-4	7.5	15.0	1465	90.4	0.84	2.3	7.5	71	1.8	80
YE4-132M-4		15.2	1470	92.6	0.83	2.3	9.5	71		84
YE5-132M-4		15.0	1440	94.0	0.81	2.3	9.5	71		88
YE3-160M-4	11	21.5	1470	91.4	0.85	2.3	7.7	73	2.8	123
YE4-160M-4		21.6	1470	93.3	0.84	2.3	9.5	73		135
YE4-160M-4		21.3	1460	94.6	0.83	2.3	9.5	73		140
YE3-160L-4	15	28.8	1470	92.1	0.86	2.3	7.8	73	2.8	156
YE4-160L-4		28.9	1470	93.9	0.85	2.3	9.5	73		137
YE5-160L-4		28.5	1460	95.1	0.84	2.3	9.5	73		145
YE3-180M-4	18.5	35.3	1470	92.6	0.86	2.3	7.8	76	2.8	196
YE4-180M-4		35.1	1475	94.2	0.85	2.3	9.5	76		169
YE5-180M-4		34.7	1470	95.3	0.85	2.3	9.5	76		175
YE3-180L-4	22	41.8	1470	93.0	0.86	2.3	7.8	76	2.8	190
YE4-180L-4		41.6	1475	94.5	0.85	2.3	9.5	76		210
YE5-180L-4		41.2	1470	95.5	0.85	2.3	9.5	76		220
YE3-200L-4	30	56.6	1475	93.6	0.86	2.3	7.3	76	2.8	255
YE4-200L-4		56.5	1485	94.9	0.85	2.3	9.0	76		270
YE5-200L-4		55.9	1470	95.9	0.85	2.3	9.0	76		280
YE3-225S-4	37	69.6	1480	93.9	0.86	2.3	7.4	78	2.8	270
YE4-225S-4		69.5	1490	95.2	0.85	2.3	9.0	78		310
YE5-225S-4		68.8	1475	96.1	0.85	2.3	9.0	78		315

Motor data

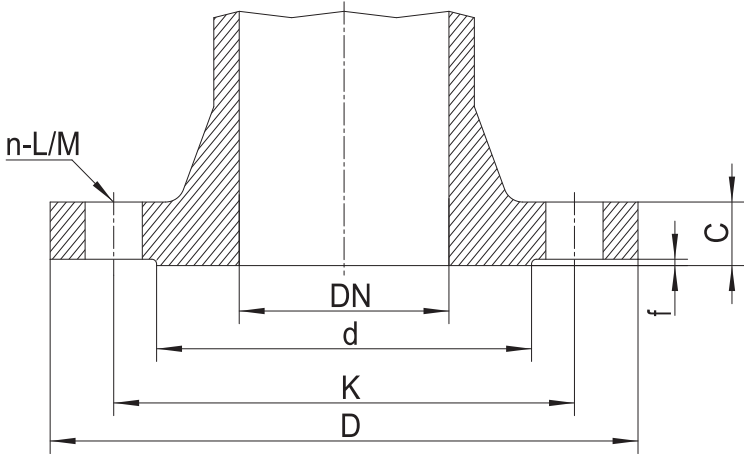
Type	Rated Output (kW)	Current (A)	Speed (r/min)	Eff. (%)	Power factor (cosψ)	Max torque Rated current	Locked Current Rated Current	Noise limit dB(A)	Vibration limit (mm/s)	Weight (kg)
YE3-225M-4	45	84.4	1480	94.2	0.86	2.3	7.4	78	2.8	300
YE4-225M-4		84.3	1485	95.4	0.86	2.3	9.0	78		350
YE5-225M-4		83.5	1475	96.3	0.85	2.3	9.0	78	2.2	370
YE3-250M-4	55	103	1485	94.6	0.86	2.3	7.4	79	3.5	398
YE4-250M-4		102	1485	95.7	0.87	2.3	9.0	79		445
YE5-250M-4		101	1480	96.5	0.86	2.3	9.0	79	2.2	475
YE3-280S-4	75	136	1490	95.0	0.88	2.3	6.9	80	3.5	522
YE4-280S-4		136	1490	96.0	0.88	2.3	8.5	80		586
YE5-280S-4		135	1480	96.7	0.87	2.3	8.5	80	2.2	600
YE3-280M-4	90	163	1490	95.2	0.88	2.3	6.9	80	3.5	620
YE4-280M-4		162	1490	96.1	0.89	2.3	8.5	80		680
YE5-280M-4		160	1480	96.9	0.88	2.3	8.5	80	2.2	720
YE3-315S-4	110	199	1485	94.5	0.89	2.2	6.9	88	3.5	1012
YE4-315S-4		197	1490	95.6	0.89	2.2	7.0	88		1020
YE5-315S-4		194	1480	97.0	0.89	2.2	8.5	88	2.8	1100
YE3-315M-4	132	236	1490	95.8	0.89	2.2	7.0	88	3.5	1120
YE4-315M-4		234	1490	96.4	0.90	2.2	8.5	88		1170
YE5-315M-4		232	1480	97.1	0.89	2.2	8.5	88	2.8	1220
YE3-315L1-4	160	285	1490	95.9	0.89	2.2	7.1	88	3.5	1180
YE4-315L1-4		280	1490	96.6	0.90	2.2	8.5	88		1220
YE5-315L1-4		280	1490	96.6	0.90	2.2	8.5	88	2.8	1320
YE3-315L-4	185	329	1490	96.0	0.89	2.2	7.1	88	3.5	1260
YE4-315L-4		323	1490	96.7	0.90	2.2	8.5	88		1300
YE5-315L-4		-	-	-	-	-	-	-	-	-
YE3-315L2-4	200	352	1490	96.0	0.90	2.2	7.1	88	3.5	1295
YE4-315L2-4		349	1490	96.7	0.90	2.2	8.5	88		1331
YE5-315L2-4		347	1490	97.0	0.90	2.2	8.5	88	2.8	1400
YE3-315L3-4	220	387	1490	96.0	0.90	2.2	7.1	88	3.5	1460
YE4-315L3-4		384	1490	96.7	0.90	2.2	8.5	88		1660
YE5-315L3-4		-	-	-	-	-	-	-	-	-
YE3-355M1-4	220	387	1490	96.0	0.90	2.2	7.1	95	3.5	1550
YE4-355M1-4		384	1490	96.7	0.90	2.2	8.5	92		1750
YE5-355M1-4		-	-	-	-	-	-	-	-	-
YE3-355M-4	250	440	1495	96.0	0.90	2.2	7.1	95	3.5	1735
YE4-355M-4		436	1495	96.7	0.90	2.2	8.5	92		2050
YE5-355M-4		433	1490	97.4	0.90	2.2	8.5	92	2.8	2116
YE3-355L1-4	280	492	1495	96.0	0.90	2.2	7.1	95	3.5	1800
YE4-355L1-4		489	1495	96.7	0.90	2.2	8.5	92		2220
YE5-355L1-4		-	-	-	-	-	-	-	-	-
YE3-355L-4	315	554	1495	96.0	0.90	2.2	7.1	95	3.5	1885
YE4-355L-4		550	1490	96.7	0.90	2.2	8.5	92		2198
YE5-355L-4		546	1490	97.4	0.90	2.2	8.5	92	2.8	2381

Motor data

6 pole 3×380V/50Hz standard motor electrical data

Type	Rated Output (kW)	Current (A)	Speed (r/min)	Eff. (%)	Power factor (cosψ)	Max torque Rated current	Locked Current Rated Current	Noise limit dB(A)	Vibration limit (mm/s)	Weight (kg)
YE3-100L-6	1.5	3.8	950	82.5	0.73	2.1	6.5	61	1.8	32
YE4-100L-6		3.7	960	85.9	0.71	2.1	7.5	61		34
YE5-100L-6		3.63	920	88.4	0.71	2.1	7.5	61	1.6	40
YE3-112M-6	2.2	5.4	965	84.3	0.74	2.1	6.6	65	1.8	42
YE4-112M-6		5.4	975	87.4	0.71	2.1	7.5	65		45
YE5-112M-6		5.25	935	89.7	0.71	2.1	7.5	65	1.6	53
YE3-132S-6	3	7.2	975	85.6	0.74	2.1	6.8	69	1.8	60
YE4-132S-6		7.2	985	88.6	0.71	2.1	7.5	69		63
YE5-132S-6		7.09	960	90.6	0.71	2.1	7.5	69	1.6	70
YE3-132M1-6	4	9.5	975	86.8	0.74	2.1	6.8	69	1.8	69
YE4-132M1-6		9.4	985	89.5	0.72	2.1	8.0	69		72
YE5-132M1-6		9.24	960	91.4	0.72	2.1	8.0	69	1.6	87
YE3-132M2-6	5.5	12.7	975	88.0	0.75	2.1	7.0	69	2.8	81
YE4-132M2-6		12.8	980	90.5	0.72	2.1	8.0	69		82
YE5-132M2-6		12.6	960	92.2	0.72	2.1	8.0	69	1.6	100
YE3-160M-6	7.5	16.2	980	89.1	0.79	2.1	7.0	70	2.8	116
YE4-160M-6		16.4	980	91.3	0.76	2.1	8.0	73		118
YE5-160M-6		16.1	970	92.9	0.76	2.1	8.0	73	2.2	130
YE3-160L-6	11	23.1	980	90.3	0.80	2.1	7.2	70	2.8	143
YE4-160L-6		23.5	980	92.3	0.77	2.1	8.5	73		145
YE5-160L-6		23.2	970	93.7	0.77	2.1	8.5	73	2.2	161
YE3-180L-6	15	30.9	980	91.2	0.81	2.1	7.3	73	2.8	181
YE4-180L-6		30.7	990	92.9	0.80	2.1	8.5	73		185
YE5-180L-6		30.2	970	94.3	0.80	2.1	8.5	73	2.2	225
YE3-200L1-6	18.5	37.8	985	91.7	0.81	2.1	7.3	73	2.8	228
YE4-200L1-6		37.6	990	93.4	0.80	2.1	8.5	73		230
YE5-200L1-6		37.1	980	94.6	0.80	2.1	8.5	73	2.2	282
YE3-200L2-6	22	44.8	985	92.2	0.81	2.1	7.4	73	2.8	239
YE4-200L2-6		44.0	990	93.7	0.81	2.1	8.5	73		260
YE5-200L2-6		43.5	980	94.9	0.81	2.1	8.5	73	2.2	295
YE3-225M-6	30	59.1	985	92.9	0.83	2.1	6.9	74	2.8	292
YE4-225M-6		59.0	990	94.2	0.82	2.1	8.3	74		301
YE5-225M-6		58.3	980	95.3	0.82	2.1	8.3	74	2.2	380
YE3-250M-6	37	71.7	985	93.3	0.84	2.1	7.1	76	3.5	387
YE4-250M-6		71.7	990	94.5	0.83	2.1	8.3	76		408
YE5-250M-6		70.8	980	95.6	0.83	2.1	8.3	76	2.2	460

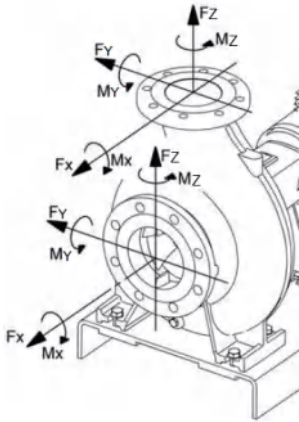
Flange



Accord with GB/T17241.6-2008, equivalent to ISO7005-2/EN1092-2, PN16 PN25, see installation drawing and table in the part 11.

Integral cast iron flange GB/T17241.6-2008 (unspecified unit: mm)										
Nominal Dimension	PN	Flange Outlet Dia.	Dia.of bolt hole circle	Dia.of bolt hole	n	Thred Spec	Outer Dia.of flange	Sealing Thickness	C	
DN	(bar)	D	K	L	(pcs)	M	d	f	HT250	QT400 QT500
32	16	140	100	19	4	16	76	3	18	/
40	16	150	110	19	4	16	84	3	18	19
50	16	165	125	19	4	16	99	3	20	19
65	16	185	145	19	4	16	118	3	20	19
80	16	200	160	19	8	16	132	3	22	19
80	25	200	160	19	8	16	132	3	26	19
100	16	220	180	19	8	16	156	3	24	19
100	25	235	190	23	8	20	156	3	28	19
125	16	250	210	19	8	16	184	3	26	19
125	25	270	220	28	8	24	184	3	30	19
150	16	285	240	23	8	20	211	3	26	19
150	25	300	250	28	8	24	211	3	34	20
200	16	340	295	23	12	20	266	3	30	20
250	16	405	355	28	12	20	319	3	32	22
300	16	460	410	28	12	20	370	4	32	24.5
350	16	520	470	28	16	20	429	4	36	26.5

Pipe mouth load



Gray Pig Iron	DN (mm)	Forces F (N)				Moments M (N · m)			
		F _x	F _y	F _z	Σ F*	M _x	M _y	M _z	Σ M*
horizontal pump Z_discharge nozzle	32	315	298	368	578	385	263	298	560
	40	385	350	438	683	455	315	368	665
	50	525	473	578	910	490	350	403	718
	65	648	595	735	1155	525	385	420	770
	80	788	718	875	1383	560	403	455	823
	100	1050	945	1173	1838	613	438	508	910
	125	1243	1120	1383	2170	735	525	665	1068
	150	1575	1418	1750	2748	875	613	718	1278
	200	1910	2100	2345	3658	1138	805	928	1680
	250	2432	2216	2702	4253	1375	913	1116	1985
	300	3038	2660	3240	5167	1671	1115	1354	2414
horizontal pump X_suction nozzle	350	3513	3118	3906	6115	1890	1264	1515	2720
	32	368	315	298	578	385	263	298	560
	40	438	385	350	683	455	315	368	665
	50	578	525	473	910	490	350	403	718
	65	735	648	595	1155	525	385	420	770
	80	875	788	718	1383	560	403	455	823
	100	1173	1050	945	1838	613	438	508	910
	125	1383	1243	1120	2170	735	525	665	1068
	150	1750	1575	1418	2748	875	613	718	1278
	200	2345	2100	1890	3658	1138	805	928	1680
	250	2702	2432	2216	4253	1375	913	1116	1985
	300	3240	3038	2660	5167	1671	1115	1354	2414
	350	3906	3513	3118	6115	1890	1264	1515	2720

Nodular Cast Iron	DN (mm)	Forces F (N)				Moments M (N · m)			
		F _x	F _y	F _z	Σ F*	M _x	M _y	M _z	Σ M*
horizontal pump Z_discharge nozzle	32	430	370	560	810	360	180	260	480
	40	520	430	670	960	430	210	320	570
	50	710	580	890	1280	460	230	350	620
	65	880	740	1120	1610	890	450	660	1200
	80	1070	890	1330	1930	950	470	720	1280
	100	1420	1160	1780	2560	1330	680	1000	1800
	125	1970	1620	2460	3540	1930	1010	1630	2620
	150	2490	2050	3110	4480	2300	1180	1760	3130
	200	3780	3110	4890	6920	3530	1760	2580	4710
	250	5340	4450	6670	9630	5020	2440	3800	6750
	300	6670	5340	8000	11700	6100	2980	4610	8210
horizontal pump X_suction nozzle	350	7120	5780	8900	12780	6370	3120	4750	8540
	32	560	430	370	810	360	180	260	480
	40	670	520	430	960	430	210	320	570
	50	890	710	580	1280	460	230	350	620
	65	1120	880	740	1610	890	450	660	1200
	80	1330	1070	890	1930	950	470	720	1280
	100	1780	1420	1160	2560	1330	680	1000	1800
	125	2460	1970	1620	3540	1930	1010	1630	2620
	150	3110	2490	2050	4480	2300	1180	1760	3130
	200	4890	3780	3110	6920	3530	1760	2580	4710
	250	6670	5340	4450	9630	5020	2440	3800	6750
	300	8000	6670	5340	11700	6100	2980	4610	8210
	350	8900	7120	5780	12780	6370	3120	4750	8540

The base

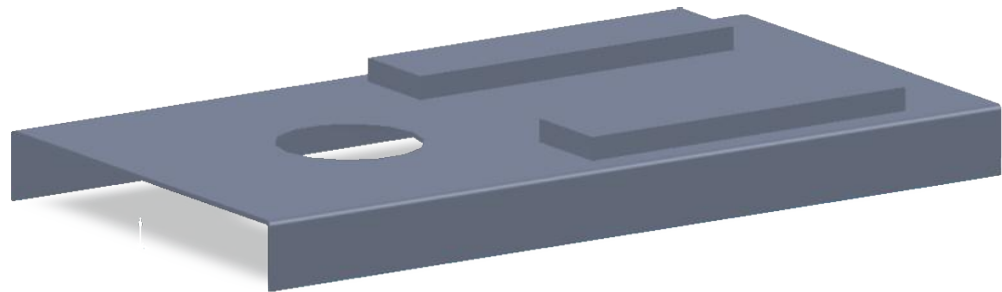
TQ group provides three prefabricated bases: A/B/C/D, which A and B are standard and C is optional. These rigid base design improve pump performance and reduce maintenance costs, while reducing the vibration of the pump and motor, thus extending their service life.

By specifying a rigid base design, the pump user has the following advantages:

- Low installation cost
- Optional grouting holes to increase the binding with the grouting
- Enhanced transverse and longitudinal torsional stiffness
- Improve shock absorption performance
- Prevent transport damage
- Inset that meet the alternative device configuration requirments

Type A base

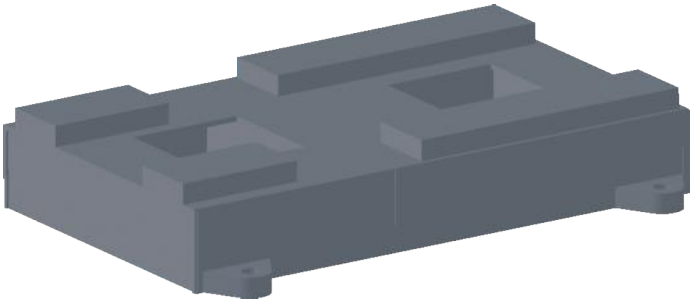
Bended base, foundation fixed, specifically divided into A0 (center height of pump and motor is consistent), A1 (center height of motor is small, motor end station), A2 (center height of pump is small, pump terminal station). suitable for pump groups of 7.5kW and below.



Base type	Base width B (mm)	Plate thickness δ (mm)	Motor pad height H ₄ (mm)	Pump pad height H ₅ (mm)	Suitable pump	Motor beat No.
A0-1	220	6	0	0	DN32 ~50 (2p &4p)	80M 90S 90S 100L
A1-1			+	/		
A2-1			/	+		
A0-2	250	8	0	0	DN65 ~80 (2p &4p) DN100 DN125 (4p, n=1480r/min)	80M 90S 90S 100L 112M 132S 132M
A1-2			+	/		
A2-2			/	+		
A0-3	285	10	0	0	DN150 DN200 (6p, n=980r/min)	100L 112M 132S 132M
A1-3			+	/		
A2-3			/	+		

Type B base

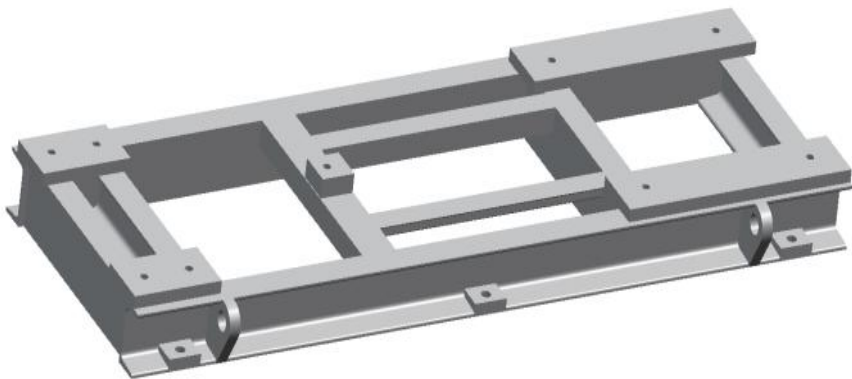
TPW/TWZ type 11kW and above pump unit adopts bending,reinforcement base, foot fixed, can add shock pad, specific is divided into B0 (center height of pump and motor is consistent), B1(center height of motor is small, motor end station),B2 (center height of pump is small, pump terminal station).



Base type	Base width B (mm)	Plate thickness δ (mm)	Motor pad height H ₄ (mm)	Pump pad height H ₅ (mm)	Suitable pump	Motor beat No.
B0-1	330/335/375	6	0	0	DN32~DN100	160M 160L 180M 180L
B1-1			+	/		
B2-1			/	+		
B0-2	415/440/455/510 565/570/655/670	8	0	0	DN80~DN300	200L 225S 225M 250M 280S 280M 315S 315M 315L
B1-2			+	/		
B2-2			/	+		
B1-3	755	10	230	/	350TPW52-250/4	355M
			200	/	350TPW56-280/4	355L1
			165	/	350TPW60-315/4	355L

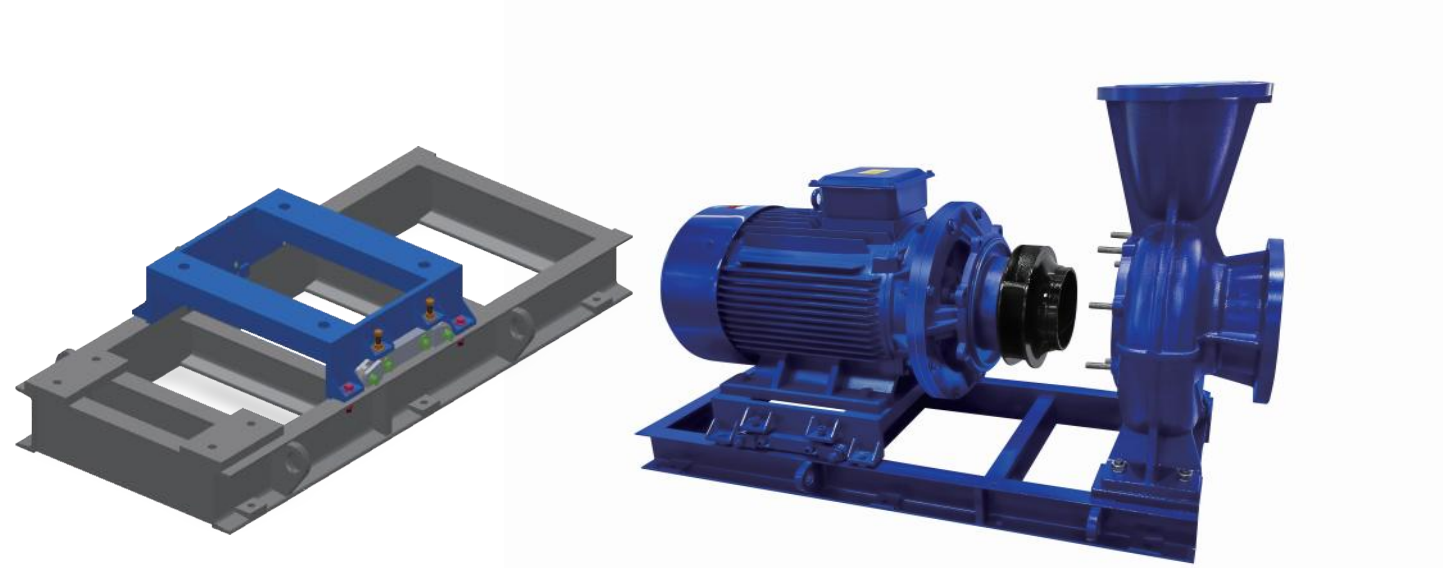
Type C base

Trough steel or H-shaped steel welded structure base, with fixed foot. Suitable for the TWX pump set of 11kW and above.

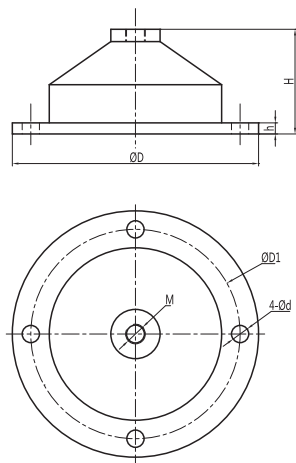


Type D base

Trough steel or H-shaped steel welded structure extended customized base, with fixed foot. The motor (≥45kW TPW/TWZ) can slide on the base. Suitable for the field without auxiliary lifting or not easy to remove.



JSD type rubber shock absorber installation size

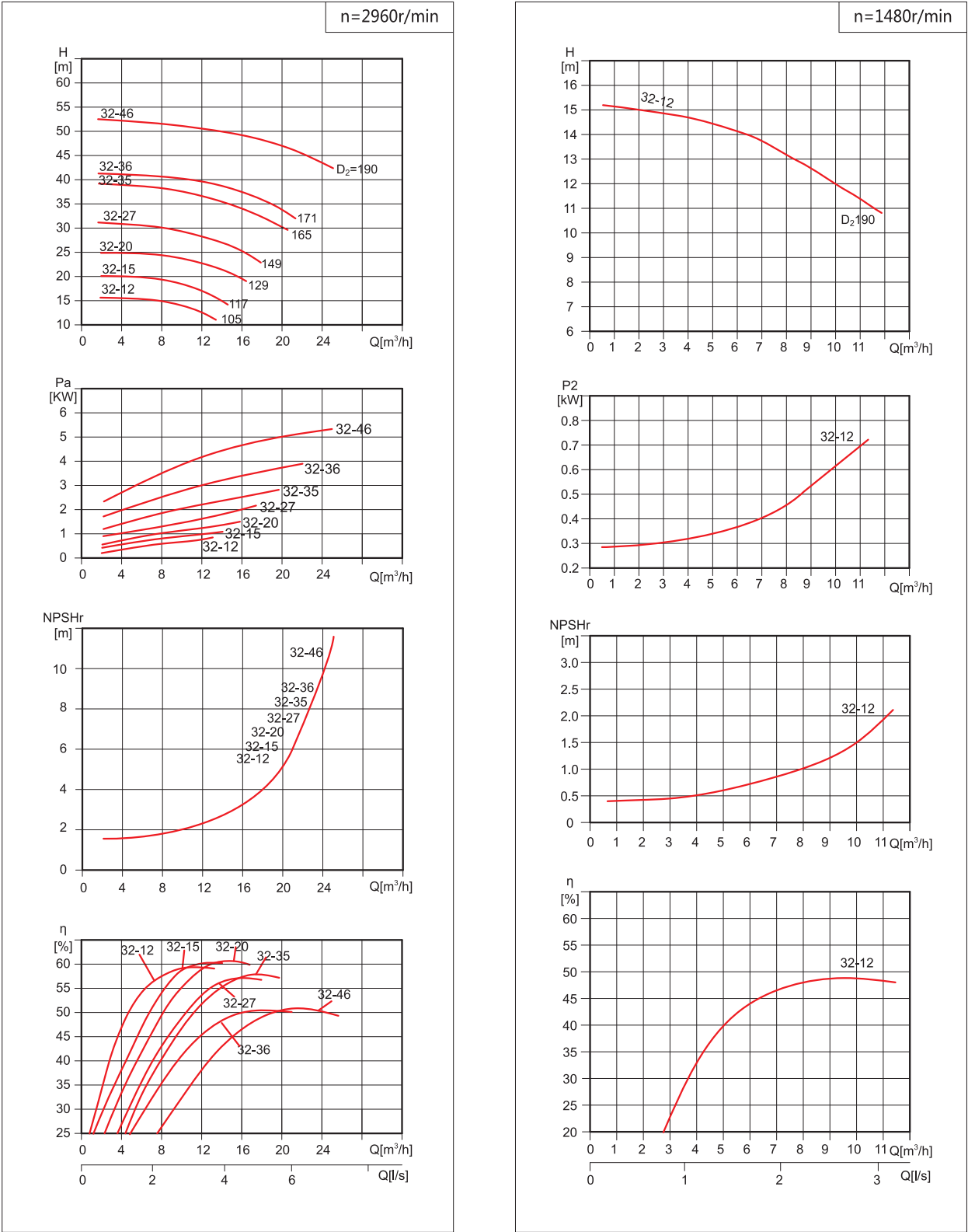


Type	M	D	D1	H	h	d	Weight (kg)
JSD-30	12	150	120	55	7	12	15~30
JSD-50	12	150	120	55	7	12	30~50
JSD-85	14	200	170	75	7	12	50~85
JSD-120	14	200	170	75	7	12	85~120
JSD-150	16	200	170	85	7	14	110~150
JSD-210	16	200	170	85	7	14	130~210
JSD-330	18	200	170	90	7	16	210~330
JSD-530	18	200	170	90	7	16	330~530
JSD-650	20	200	170	95	7	16	530~650
JSD-850	20	200	170	95	7	16	650~850
JSD-1000	20	200	170	95	7	16	850~1000
JSD-2000	22	300	259	115	10	18	1250~2000
JSD-2500	22	300	259	115	10	18	1800~2500
JSD-3000	22	300	259	115	10	18	2500~3000

Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
32TPW12-0.75/2 32TWZ12-0.75/2 32TWX12-0.75/2	7.7	2.1	14.0	2960	57.0	0.515	0.75	1.9	43 52 72
	9.4	2.6	13.2		59.5	0.568		2.0	
	11.0	3.1	12.0		59.4	0.606		2.1	
	12.1	3.4	11.5		59.0	0.643		2.3	
	13.2	3.7	10.6		56.9	0.670		2.5	
32TPW15-1.1/2 32TWZ15-1.1/2 32TWX15-1.1/2	8.4	2.3	17.5	2960	56.2	0.713	1.1	1.9	47 57 79
	10.2	2.8	16.6		59.1	0.781		2.1	
	12.0	3.3	15.4		59.5	0.846		2.3	
	13.2	3.7	14.4		58.7	0.882		2.5	
	14.4	4.0	13.3		57.0	0.916		2.7	
32TPW20-1.5/2 32TWZ20-1.5/2 32TWX20-1.5/2	9.1	2.5	22.3	2960	57.5	0.957	1.5	1.9	51 62 86
	11.1	3.1	21.2		60.1	1.067		2.1	
	13.0	3.6	20.0		60.7	1.167		2.3	
	14.3	4.0	18.6		59.8	1.212		2.7	
	15.6	4.3	17.5		58.3	1.276		3.2	
32TPW27-2.2/2 32TWZ27-2.2/2 32TWX27-2.2/2	9.8	2.7	29.5	2960	53.0	1.486	2.2	2.0	56 68 95
	11.9	3.3	28.5		56.7	1.608		2.3	
	14.0	3.9	27.0		57.4	1.795		2.7	
	15.4	4.3	26.0		56.8	1.933		3.2	
	16.8	4.7	24.8		56.1	2.024		3.6	
32TPW35-3/2 32TWZ35-3/2 32TWX35-3/2	10.5	2.9	37.6	2960	53.1	2.026	3	2.1	65 78 108
	12.8	3.6	36.8		56.8	2.260		2.4	
	15.0	4.2	35.0		57.5	2.488		3.2	
	16.5	4.6	34.2		57.0	2.698		3.6	
	18.0	5.0	32.7		56.3	2.849		4.0	
32TPW36-4/2 32TWZ36-4/2 32TWX36-4/2	11.6	3.2	40.0	2960	39.0	3.212	4	2.4	80 96 132
	14.0	3.9	38.0		45.0	3.227		3.2	
	16.5	4.6	36.0		48.0	3.372		4.0	
	18.2	5.0	34.5		48.5	3.518		4.8	
	19.8	5.5	33.0		49.0	3.634		5.3	
32TPW46-5.5/2 32TWZ46-5.5/2 32TWX46-5.5/2	14.0	3.9	51.0	2960	42.0	4.633	5.5	2.0	92 110 155
	17.0	4.7	49.0		45.0	5.044		3.5	
	20.0	5.6	46.0		51.0	4.916		5.7	
	22.0	6.1	44.0		51.0	5.172		6.2	
	24.0	6.7	41.0		49.0	5.472		10.5	
32TPW12-0.75/4 32TWZ12-0.75/4 32TWX12-0.75/4	7.0	1.9	13.3	1480	46.0	0.552	0.75	0.8	50 60 84
	8.5	2.4	12.8		48.0	0.618		1.2	
	10.0	2.8	12.0		49.0	0.667		1.6	
	11.0	3.1	11.5		48.5	0.711		2.0	
	12.0	3.3	10.7		47.5	0.737		2.2	

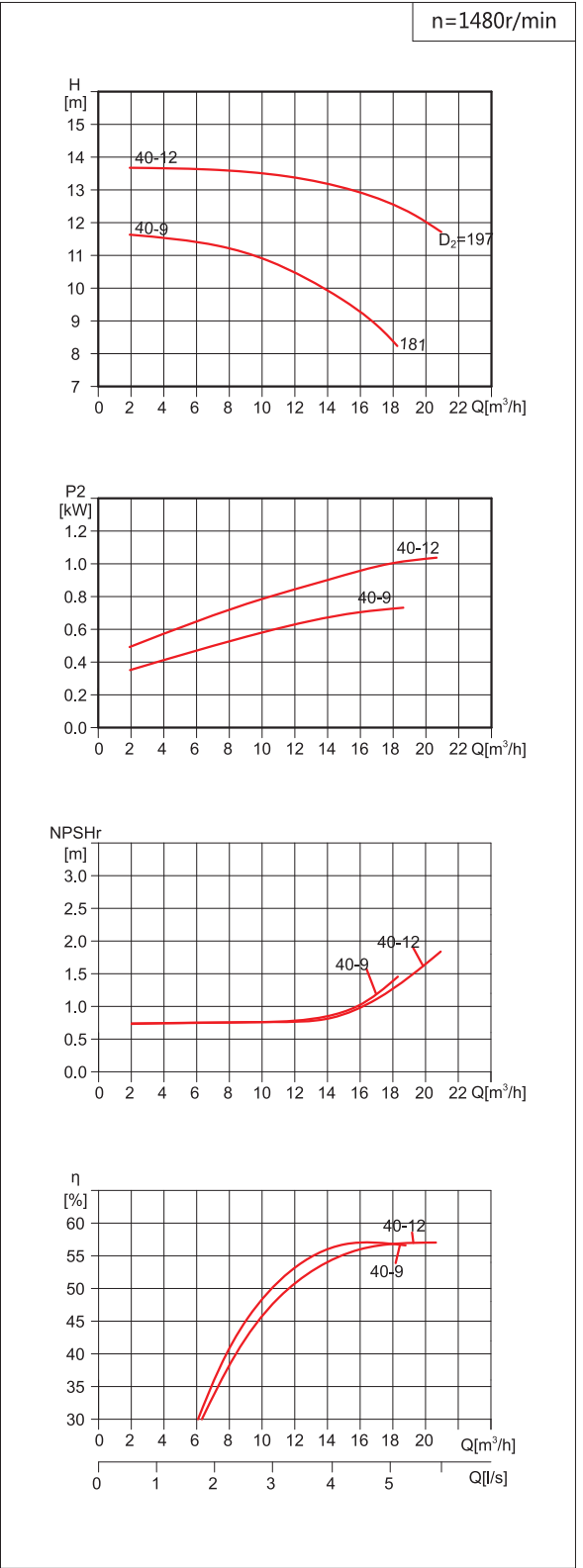
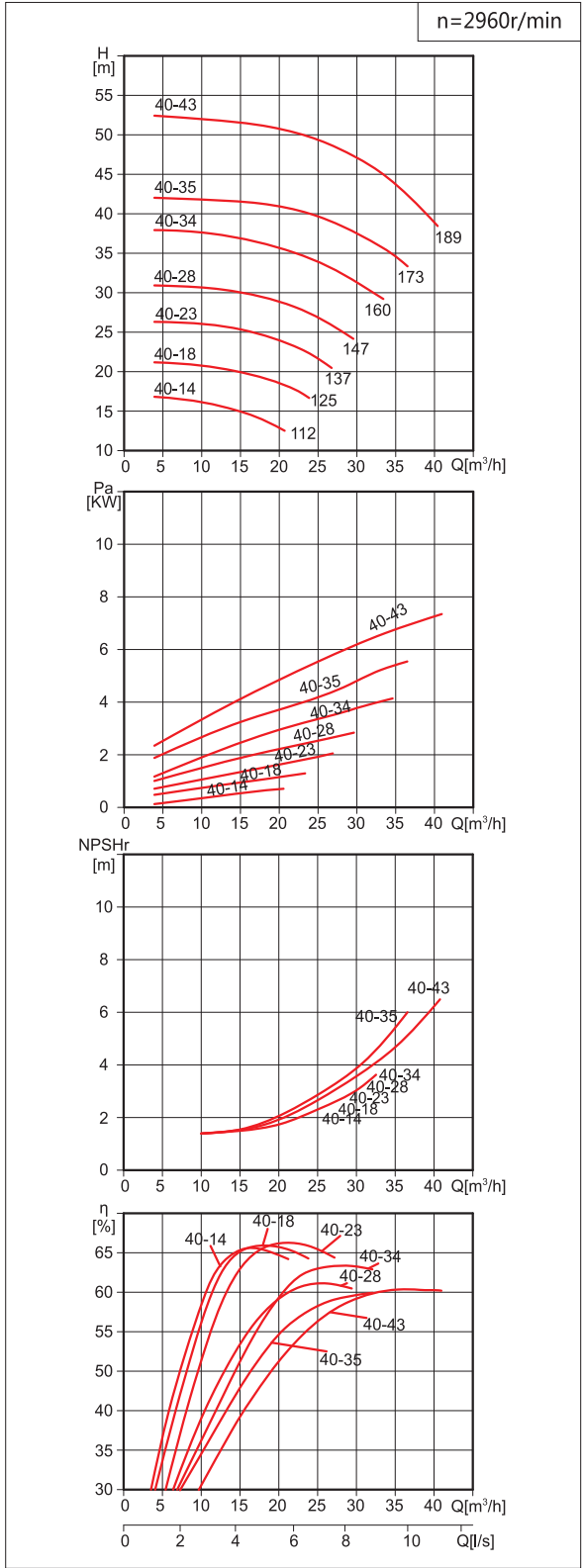
Characteristic curves



Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m^3/h)	(L/s)							
40TPW14-1.1/2	11.2	3.1	15.3	2960	61.0	0.771	1.1	1.8	45
40TWZ14-1.1/2	13.6	3.8	14.6		64.0	0.851		1.8	
40TWX14-1.1/2	16.0	4.4	13.9		65.0	0.939		1.8	
	17.6	4.9	13.0		64.5	0.974		1.8	
40TPW18-1.5/2	19.2	5.3	11.9	2960	62.7	1.001	1.5	1.9	75
	12.6	3.5	19.9		60.4	1.131		1.8	
	15.3	4.3	19.2		65.1	1.230		1.8	
	18.0	5.0	18.4		66.2	1.363		1.8	
40TWZ18-1.5/2	19.8	5.5	17.7	2960	67.0	1.425	3	1.9	82
40TWX18-1.5/2	21.6	6.0	16.8		66.5	1.487		2.5	
	14.0	3.9	25.4		62.0	1.563		1.6	
	17.0	4.7	24.6		65.0	1.753		1.8	
40TPW23-2.2/2	20.0	5.6	23.0	2960	68.0	1.843	2.2	2.0	52
40TWZ23-2.2/2	22.0	6.1	22.3		68.0	1.966		2.6	
40TWX23-2.2/2	24.0	6.7	21.2		67.4	2.057		2.8	
	15.4	4.3	31.0		54.0	2.409	4	1.8	65
40TPW28-3/2	18.7	5.2	30.0	2960	58.0	2.636		1.9	
	22.0	6.1	28.0		61.0	2.752		2.2	
	24.2	6.7	27.2		61.0	2.940		2.7	
	26.4	7.3	26.5		62.0	3.075		3.0	
40TPW34-4/2	17.2	4.8	35.6	2960	52.8	3.160	3	1.8	72
	20.8	5.8	35.0		57.0	3.480		2.0	
	24.5	6.8	34.0		62.7	3.620		2.8	
	27.0	7.5	33.0		62.7	3.872		3.1	
40TWZ34-4/2	29.4	8.2	31.8	2960	62.6	4.070	5.5	3.5	120
40TPW35-5.5/2	21.0	5.8	38.5		53.0	4.157		2.1	
	25.5	7.1	36.2		56.0	4.492		2.8	
	30.0	8.3	33.5		59.0	4.642		4.0	
	33.0	9.2	31.5		57.0	4.970	7.5	5.3	132
40TWZ35-5.5/2	36.0	10.0	29.7	2960	55.0	5.297		6.0	
40TPW43-7.5/2	23.5	6.5	48.6		55.0	5.670		2.7	116
	28.5	7.9	46.0		58.0	6.288		3.6	
	33.5	9.3	43.0		60.0	6.694		5.2	
	36.9	10.2	40.7		59.7	6.930		6.0	
40TWZ43-7.5/2	40.2	11.2	38.3	2960	58.5	7.490	0.75	7.3	190
40TPW9-0.75/4	11.6	3.2	10.3		54.3	0.600		0.8	
	14.0	3.9	9.7		56.5	0.655		0.8	
	16.5	4.6	9.0		57.5	0.704		1.0	
	18.2	5.0	8.3		56.7	0.726	1.1	1.4	66
40TWZ9-0.75/4	19.8	5.5	7.8	1480	56.2	0.749		1.6	
40TPW12-1.1/4	12.3	3.4	13.7		55.0	0.828		0.8	70
	15.0	4.2	13.1		57.0	0.939		0.8	
	17.5	4.9	12.4		58.0	1.017		1.2	
	19.3	5.3	11.8		57.5	1.072		1.5	
40TWZ12-1.1/4	21.0	5.8	11.0	1480	57.0	1.099	1.1	1.8	84
40TPW12-1.1/4									

Characteristic curves



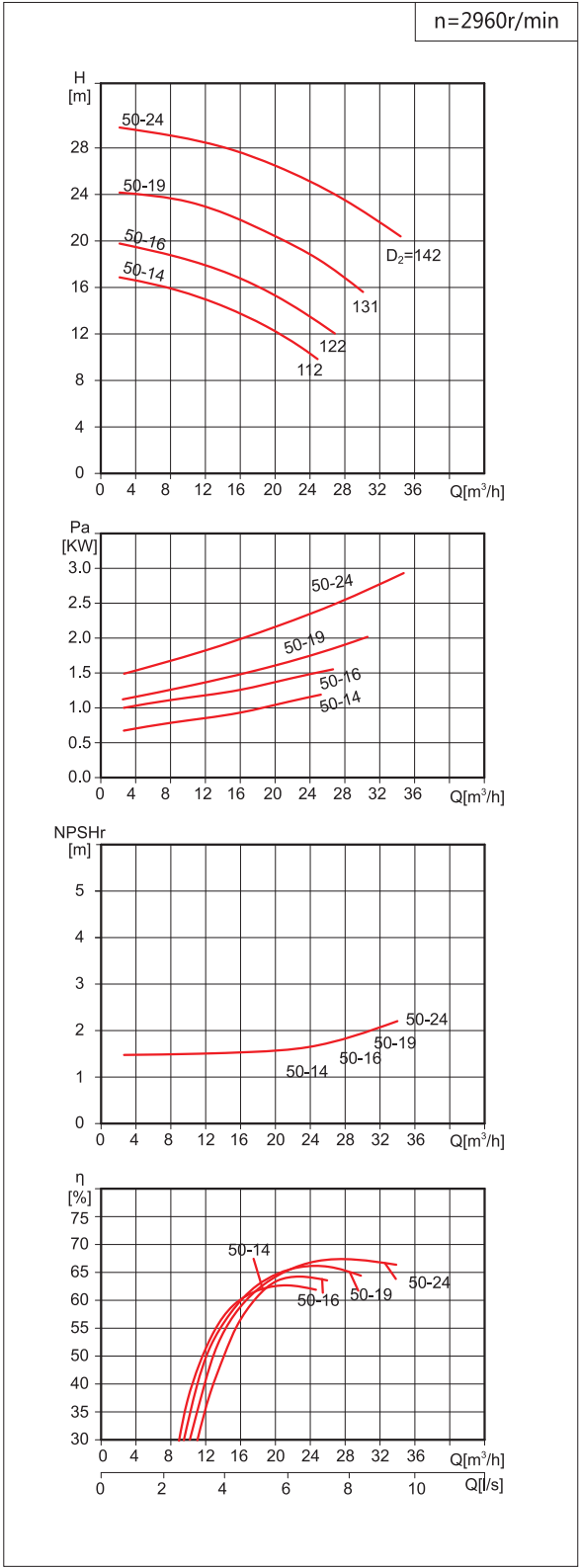
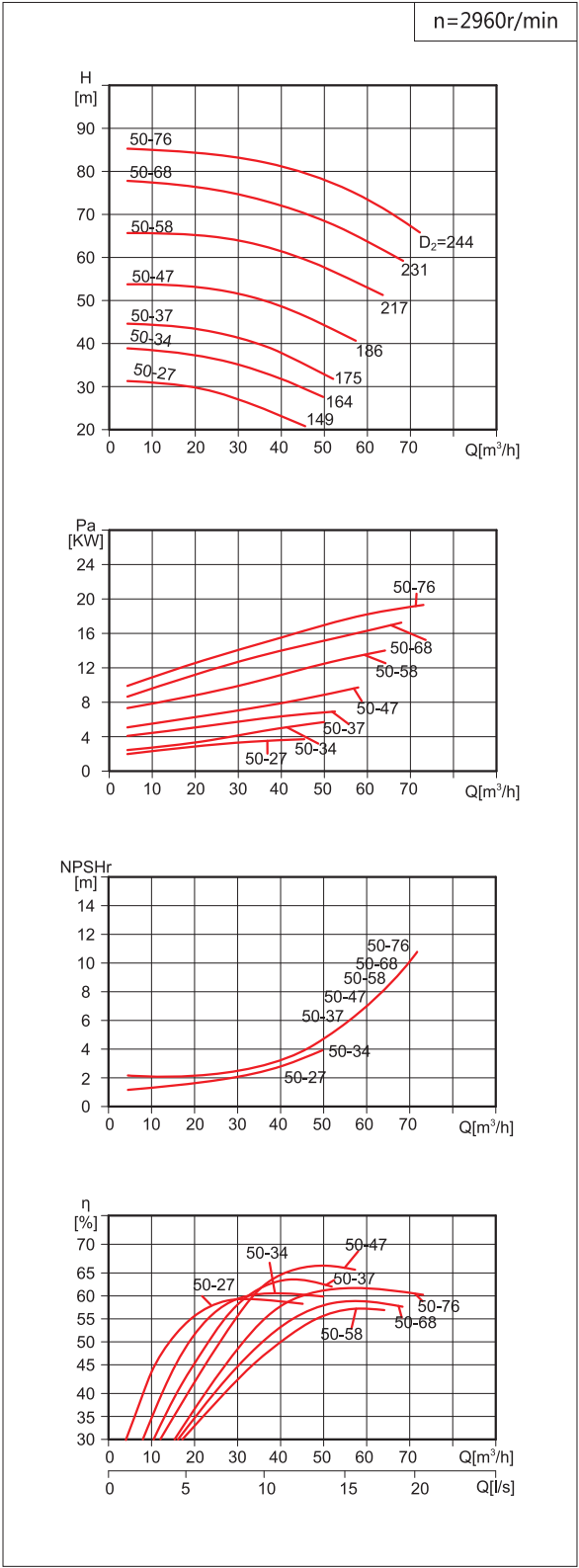
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
50TPW14-1.1/2 50TWZ14-1.1/2 50TWX14-1.1/2	11.9	3.3	15.7	2960	61.2	0.832	1.1	1.5	53 64 90
	14.5	4.0	15.1		64.6	0.924		1.5	
	17.0	4.7	14.0		65.4	0.992		1.5	
	18.7	5.2	13.4		63.8	1.070		1.6	
50TPW16-1.5/2 50TWZ16-1.5/2 50TWX16-1.5/2	20.4	5.7	12.6	2960	63.2	1.108	1.5	1.7	54 65 92
	14.0	3.9	17.6		57.0	1.178		1.5	
	17.0	4.7	17.1		62.0	1.278		1.5	
	20.0	5.6	16.3		65.0	1.367		1.6	
50TPW19-2.2/2 50TWZ19-2.2/2 50TWX19-2.2/2	22.0	6.1	15.6	2960	64.5	1.448	2.2	1.7	56 67 95
	24.0	6.7	14.8		64.4	1.499		1.8	
	16.1	4.5	21.0		59.0	1.588		1.5	
	19.6	5.4	20.0		63.0	1.696		1.6	
50TPW24-3/2 50TWZ24-3/2 50TWX24-3/2	23.0	6.4	18.5	2960	66.0	1.757	3	1.7	67 81 115
	25.3	7.0	17.2		63.4	1.870		1.8	
	27.6	7.7	16.0		60.3	1.996		1.9	
	18.9	5.3	26.8		60.0	2.300		1.6	
50TPW27-4/2 50TWZ27-4/2 50TWX27-4/2	23.0	6.4	25.3	2960	64.0	2.478	4	1.7	79 95 130
	27.0	7.5	24.0		67.0	2.636		1.9	
	29.7	8.3	22.0		62.0	2.872		2.0	
	32.4	9.0	19.7		58.0	2.999		2.2	
50TPW34-5.5/2 50TWZ34-5.5/2 50TWX34-5.5/2	21.0	5.8	29.8	2960	61.0	2.796	5.5	1.7	94 113 160
	25.5	7.1	28.5		64.0	3.094		1.8	
	30.0	8.3	27.0		65.0	3.396		2.0	
	33.0	9.2	26.1		64.0	3.667		2.2	
50TPW37-7.5/2 50TWZ37-7.5/2 50TWX37-7.5/2	36.0	10.0	24.9	2960	63.0	3.877	7.5	2.4	118 142 198
	22.4	6.2	37.4		60.1	3.798		1.8	
	27.2	7.6	36.1		64.0	4.181		2.0	
	32.0	8.9	34.0		66.0	4.492		2.3	
50TPW47-11/2 50TWZ47-11/2 50TWX47-11/2	35.2	9.8	32.7	2960	65.0	4.826	11	2.5	151 181 248
	38.4	10.7	31.0		63.8	5.048		2.7	
	28.0	7.8	42.8		55.0	5.938		2.4	
	34.0	9.4	41.8		61.0	6.349		2.6	
50TPW58-15/2 50TWZ58-15/2 50TWX58-15/2	40.0	11.1	39.0	2960	64.0	6.642	15	3.2	170 204 280
	44.0	12.2	37.2		65.0	6.862		3.7	
	48.0	13.3	33.8		63.0	7.018		3.8	
	31.5	8.8	53.2		60.0	7.611		2.4	
50TPW58-15/2 50TWZ58-15/2 50TWX58-15/2	38.3	10.6	50.0	2960	63.0	8.283	15	2.8	151 181 248
	45.0	12.5	47.0		66.0	8.732		3.7	
	49.5	13.8	44.7		66.5	9.067		4.5	
	54.0	15.0	41.2		65.0	9.327		5.7	
50TPW58-15/2 50TWZ58-15/2 50TWX58-15/2	35.0	9.7	64.5	2960	53.0	11.607	15	2.6	170 204 280
	42.5	11.8	61.0		54.0	13.083		3.2	
	50.0	13.9	58.0		55.0	14.368		4.5	
	55.0	15.3	54.7		56.0	14.640		5.3	
50TPW58-15/2 50TWZ58-15/2 50TWX58-15/2	60.0	16.7	52.3	2960	57.0	15.002	15	6.6	170 204 280

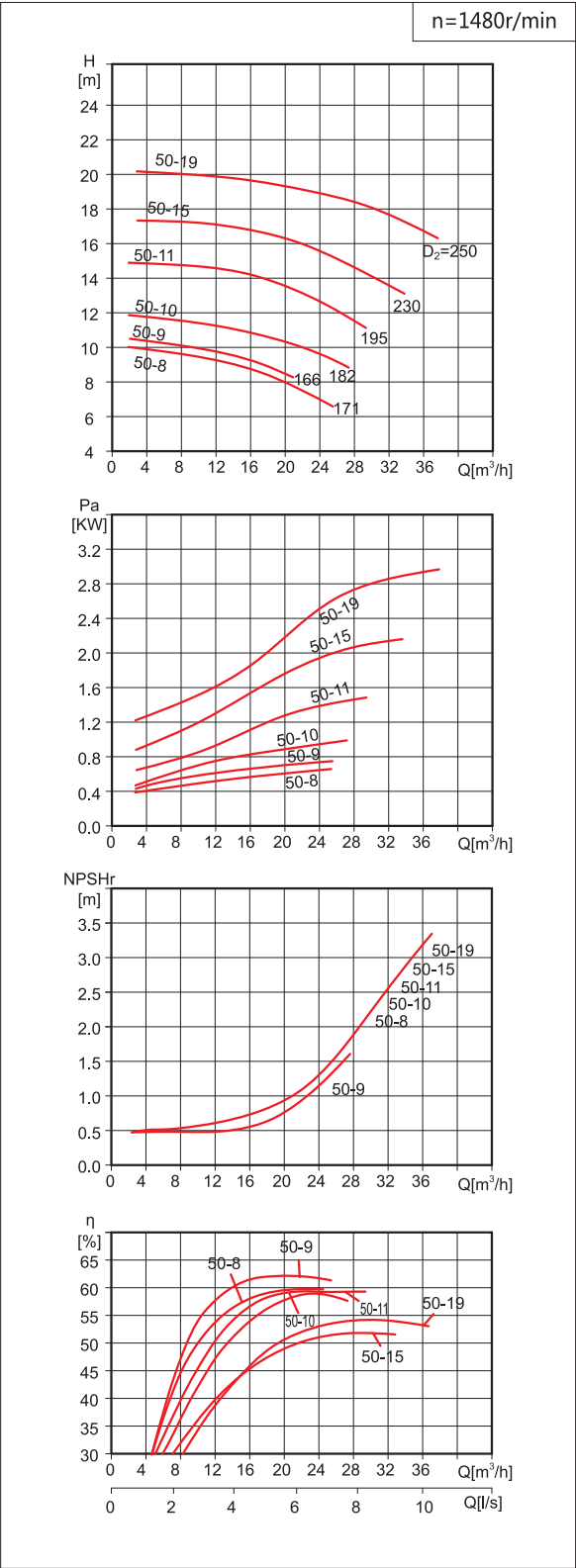
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
50TPW68-18.5/2 50TWZ68-18.5/2 50TWX68-18.5/2	36.4	10.1	75.0	2960	54.0	13.776	18.5	2.7	194 233 315
	44.2	12.3	72.0		55.0	15.767		3.3	
	52.0	14.4	68.0		56.0	17.206		5.6	
	57.2	15.9	64.0		57.0	17.501		6.0	
	62.4	17.3	61.0	2960	58.0	17.884	22	7.0	230 276 375
	38.5	10.7	83.0		58.0	15.013		3.3	
	46.8	13.0	80.0		60.0	17.004		3.9	
	55.0	15.3	76.0		61.0	18.673		5.7	
50TPW76-22/2 50TWZ76-22/2 50TWX76-22/2	60.5	16.8	73.4	2960	62.0	19.518	0.75	6.6	62 75 105
	66.0	18.3	70.0		61.0	20.639		8.4	
	11.9	3.3	9.9		58.0	0.554		0.5	
	14.5	4.0	9.5		61.5	0.610		0.5	
50TPW9-0.75/4 50TWZ9-0.75/4 50TWX9-0.75/4	17.0	4.7	9.0	1480	63.0	0.662	0.75	0.6	75 90 122
	18.7	5.2	8.7		62.6	0.708		0.7	
	20.4	5.7	8.3		61.7	0.748		0.8	
	14.0	3.9	8.8		55.0	0.610	0.75	0.5	
50TPW8-0.75/4 50TWZ8-0.75/4 50TWX8-0.75/4	17.0	4.7	8.5	1480	57.0	0.691		0.6	
	20.0	5.6	7.8		59.0	0.721		0.7	
	22.0	6.1	7.4		59.4	0.747		0.8	
	24.0	6.7	6.7		58.5	0.749		1.2	
50TPW10-1.1/4 50TWZ10-1.1/4 50TWX10-1.1/4	15.8	4.4	10.1	1480	55.0	0.790	1.1	0.5	83 100 135
	19.2	5.3	9.8		59.0	0.893		0.7	
	22.5	6.3	9.3		59.0	0.961		0.8	
	24.8	6.9	8.8		59.4	0.993		1.2	
50TPW11-1.5/4 50TWZ11-1.5/4 50TWX11-1.5/4	27.0	7.5	8.5	1480	58.0	1.078	1.5	1.5	86 103 140
	17.5	4.9	12.0		57.0	1.004		0.8	
	21.3	5.9	11.6		58.4	1.150		1.1	
	25.0	6.9	10.8		59.0	1.247		1.5	
50TPW15-2.2/4 50TWZ15-2.2/4 50TWX15-2.2/4	27.5	7.6	10.1	1480	58.6	1.292	2.2	1.9	96 115 155
	30.0	8.3	9.3		57.2	1.329		2.2	
	18.2	5.1	17.0		51.0	1.653	2.2	0.8	
	22.1	6.1	16.0		53.5	1.801		1.2	
50TPW19-3/4 50TWZ19-3/4 50TWX19-3/4	26.0	7.2	15.0	1480	54.0	1.968	3	1.6	105 126 170
	28.6	7.9	13.7		53.3	2.003		2.0	
	31.2	8.7	12.4		51.0	2.067		2.5	
	19.3	5.3	20.6		50.3	2.148	3	1.0	
	23.4	6.5	19.6	1480	52.6	2.376		1.3	
	27.5	7.6	18.5		54.2	2.558		1.9	
	30.3	8.4	17.6		52.8	2.748		2.2	
	33.0	9.2	16.3		51.6	2.841		2.6	

Characteristic curves



Characteristic curves



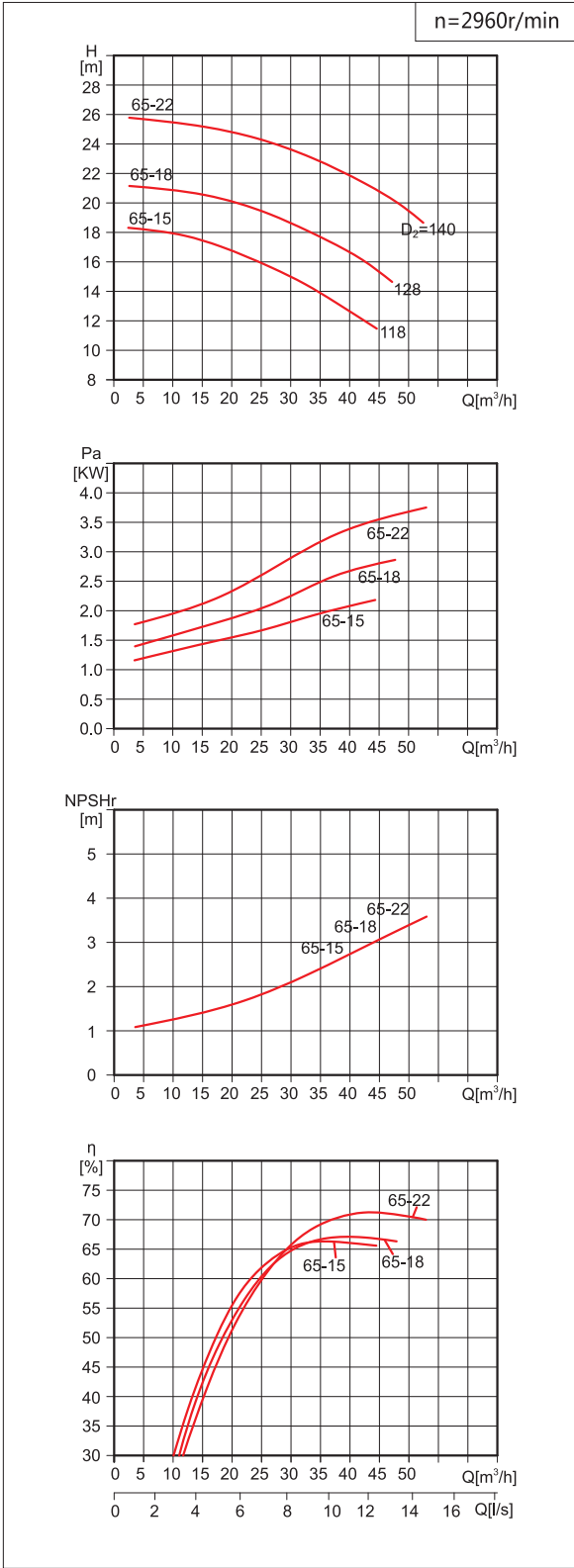
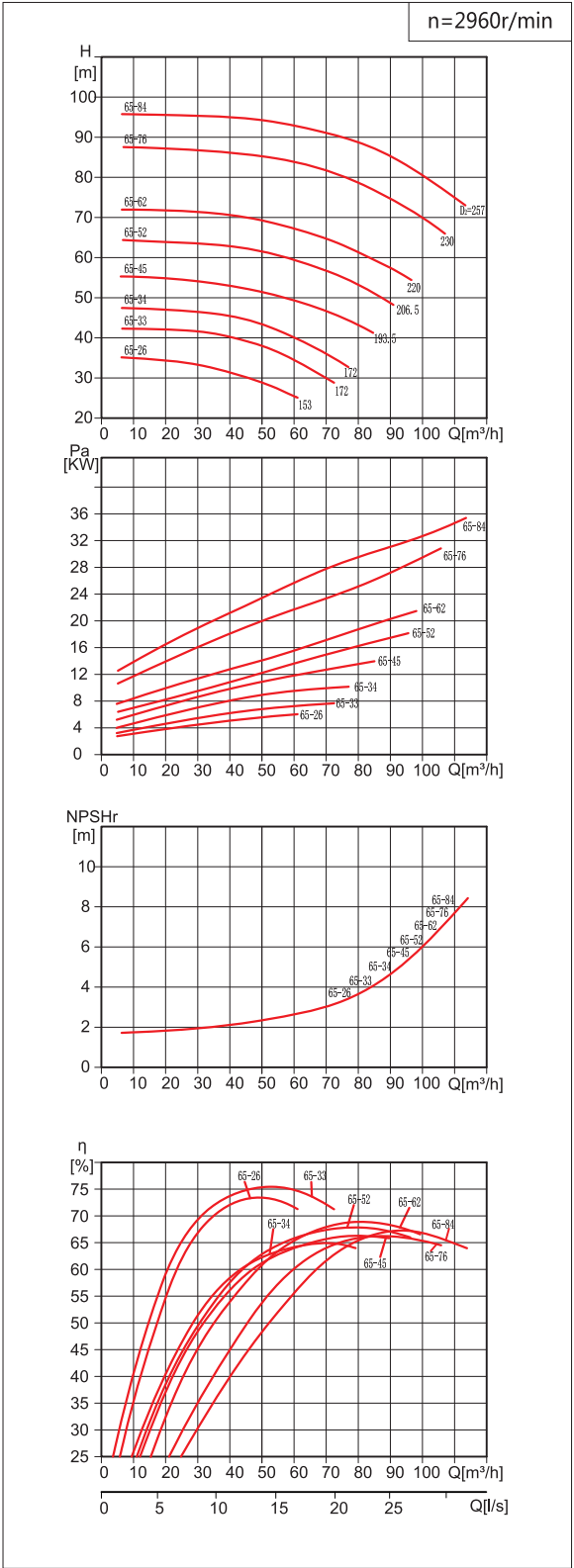
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
65TPW15-2.2/2 65TWZ15-2.2/2 65TWX15-2.2/2	21.0	5.8	15.9	2960	54.0	1.685	2.2	1.5	55
	25.5	7.1	15.3		61.0	1.743		1.8	
	30.0	8.3	14.8		65.3	1.853		2.0	
	33.0	9.2	14.7		65.8	2.009		2.3	
	36.0	10.0	14.2		66.5	2.095		2.6	
65TPW18-3/2 65TWZ18-3/2 65TWX18-3/2	24.5	6.8	18.9	2960	61.0	2.069	3	1.8	67
	29.8	8.3	18.4		65.0	2.299		2.0	
	35.0	9.7	18.0		68.0	2.525		2.2	
	38.5	10.7	17.6		70.0	2.638		2.5	
	42.0	11.7	16.9		69.0	2.803		2.8	
65TPW22-4/2 65TWZ22-4/2 65TWX22-4/2	28.0	7.8	23.7	2960	64.0	2.825	4	2.0	74
	34.0	9.4	22.8		70.0	3.018		2.4	
	40.0	11.1	22.0		72.0	3.331		2.8	
	44.0	12.2	21.2		73.0	3.482		3.0	
	48.0	13.3	20.0		72.0	3.633		3.2	
65TPW26-5.5/2 65TWZ26-5.5/2 65TWX26-5.5/2	35.0	9.7	31.0	2960	70.0	4.224	5.5	2.0	97
	42.5	11.8	29.0		73.0	4.601		2.1	
	50.0	13.9	28.0		74.0	5.155		2.3	
	55.0	15.3	26.0		73.0	5.338		2.8	
	60.0	16.7	24.0		72.0	5.450		3.2	
65TPW33-7.5/2 65TWZ33-7.5/2 65TWX33-7.5/2	36.4	10.1	39.5	2960	68.0	5.762	7.5	2.0	108
	44.2	12.3	38.5		72.0	6.440		2.2	
	52.0	14.4	37.0		75.0	6.991		2.6	
	57.2	15.9	35.3		74.2	7.415		3.0	
	62.4	17.3	32.5		73.7	7.498		3.2	
65TPW34-11/2 65TWZ34-11/2 65TWX34-11/2	49.0	13.6	38.8	2960	59.2	8.766	11	2.5	150
	59.5	16.5	36.9		61.1	9.808		2.8	
	70.0	19.4	34.0		61.5	10.546		3.1	
	77.0	21.4	32.2		61.8	10.933		3.5	
	84.0	23.3	29.8		61.6	11.073		4.0	
65TPW45-15/2 65TWZ45-15/2 65TWX45-15/2	51.1	14.2	50.0	2960	62.0	11.230	15	2.5	159
	62.1	17.2	47.2		65.0	12.278		2.8	
	73.0	20.3	43.5		67.0	12.915		3.4	
	80.3	22.3	40.4		67.0	13.194		3.8	
	87.6	24.3	37.6		65.0	13.808		4.8	
65TPW52-18.5/2 65TWZ52-18.5/2 65TWX52-18.5/2	53.2	14.8	58.0	2960	65.0	12.936	18.5	2.6	177
	64.6	17.9	55.5		68.0	14.368		3.0	
	76.0	21.1	52.0		68.0	15.837		3.6	
	83.6	23.2	47.5		67.6	16.007		4.5	
	91.2	25.3	43.0		63.0	16.962		5.7	
65TPW62-22/2 65TWZ62-22/2 65TWX62-22/2	56.0	15.6	67.0	2960	64.0	15.975	22	2.6	218
	68.0	18.9	65.0		68.6	17.558		3.0	
	80.0	22.2	62.0		69.0	19.588		3.6	
	88.0	24.4	58.5		68.0	20.630		4.5	
	96.0	26.7	54.0		67.0	21.084		5.7	

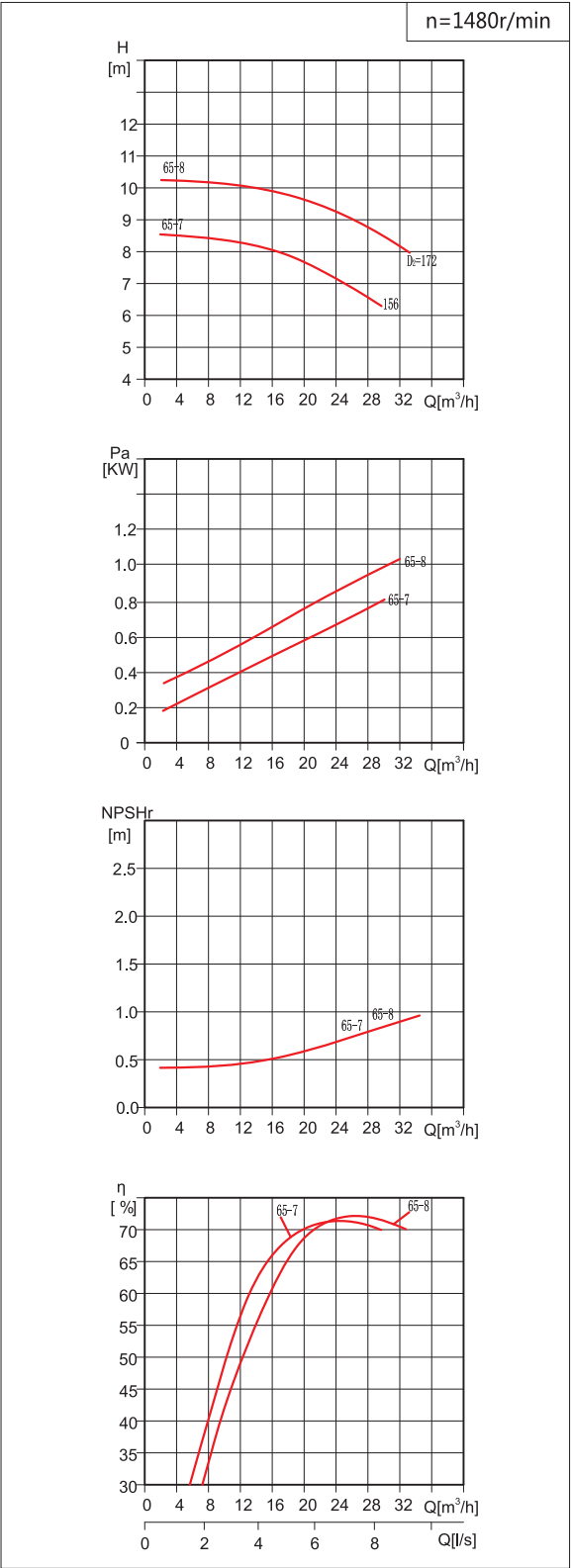
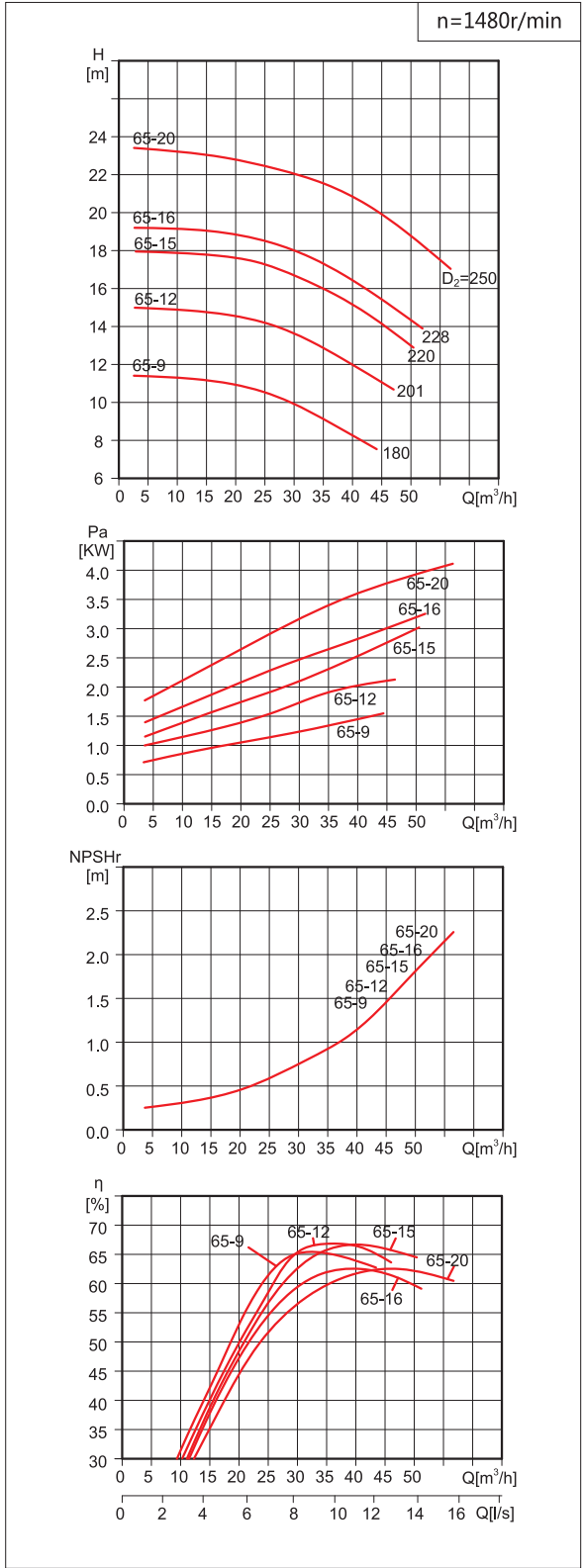
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
65TPW76-30/2 65TWZ76-30/2 65TWX76-30/2	59.5	16.5	85.8	2960	60.0	23.186	30	2.8	275
	72.3	20.1	82.0		63.5	25.442		3.3	
	85.0	23.6	78.2		65.5	27.654		4.1	
	93.5	26.0	74.2		65.6	28.819		5.1	
65TPW84-37/2 65TWZ84-37/2 65TWX84-37/2	102.0	28.3	69.0	2960	64.0	29.966	37	6.1	395
	63.0	17.5	93.0		59.0	27.061		2.9	
	76.5	21.3	90.0		63.0	29.780		3.5	
	90.0	25.0	84.0		66.0	31.214		4.6	
65TPW8-0.75/4 65TWZ7-0.75/4 65TWX7-0.75/4	99.0	27.5	81.0	2960	66.5	32.860	37	5.9	358
	108.0	30.0	76.0		65.0	34.410		7.5	
	17.5	4.9	7.8		65.0	0.572	0.75	0.5	
	21.3	5.9	7.3		67.0	0.631		0.6	
65TPW7-0.75/4 65TWZ7-0.75/4 65TWX7-0.75/4	25.0	6.9	6.8	1480	69.0	0.671		0.7	57
	27.5	7.6	6.6		68.5	0.722		0.8	
	30.0	8.3	6.1		67.0	0.744		0.8	
	30.0	8.3	6.1		67.0	0.744		0.8	
65TPW8-1.1/4 65TWZ8-1.1/4 65TWX8-1.1/4	18.2	5.1	10.0	1480	63.0	0.787	1.1	0.5	60
	22.1	6.1	9.5		67.0	0.854		0.6	
	26.0	7.2	9.0		69.0	0.924		0.7	
	28.6	7.9	8.6		69.0	0.971		0.8	
65TPW9-1.5/4 65TWZ9-1.5/4 65TWX9-1.5/4	31.2	8.7	8.1	1480	68.0	1.013	1.5	0.9	100
	26.3	7.3	10.3		60.0	1.228		0.6	
	31.9	8.9	9.7		62.4	1.351		0.8	
	36.0	10.0	9.0		64.0	1.380		1.1	
65TPW12-2.2/4 65TWZ12-2.2/4 65TWX12-2.2/4	39.6	11.0	8.6	1480	63.0	1.473	2.2	1.1	72
	43.2	12.0	7.9		62.2	1.495		1.5	
	28.0	7.8	14.0		65.0	1.643		0.7	
	34.0	9.4	13.0		67.0	1.798		0.9	
65TPW15-3/4 65TWZ15-3/4 65TWX15-3/4	40.0	11.1	12.0	1480	66.0	1.982	3	1.2	85
	44.0	12.2	11.5		64.0	2.154		1.4	
	48.0	13.3	10.3		62.0	2.173		1.7	
	29.4	8.2	16.3		63.0	2.073	3	0.7	
65TPW16-3/4 65TWZ16-3/4 65TWX16-3/4	35.7	9.9	15.8	1480	66.0	2.329		0.9	110
	42.0	11.7	15.0		67.0	2.562		1.2	
	46.2	12.8	14.1		64.0	2.774		1.4	
	50.4	14.0	13.0		62.0	2.880		1.7	
65TPW20-4/4 65TWZ20-4/4 65TWX20-4/4	29.8	8.3	17.7	1480	64.0	2.246	3	0.8	110
	36.2	10.0	17.3		67.0	2.547		1.0	
	42.5	11.8	16.0		68.1	2.721		1.1	
	46.8	13.0	15.3		67.8	2.878		1.6	
65TPW20-4/4 65TWZ20-4/4 65TWX20-4/4	51.0	14.2	14.0	1480	66.5	2.968	4	1.9	185
	30.8	8.6	21.9		64.5	2.850		0.6	
	37.4	10.4	21.0		67.4	3.175		1.1	
	44.0	12.2	20.0		68.5	3.501		1.5	
65TPW20-4/4 65TWZ20-4/4 65TWX20-4/4	48.4	13.4	19.2	1480	68.2	3.713	4	1.8	210
	52.8	14.7	18.2		66.9	3.914		2.0	

Characteristic curves



Characteristic curves



Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
80TPW15-3/2 80TWZ15-3/2 80TWX15-3/2	35.0	9.7	17.3	2960	72.0	2.292	3	3.1	64
	42.5	11.8	16.6		76.5	2.513		3.4	
	50.0	13.9	15.5		79.5	2.656		3.7	
	55.0	15.3	14.5		79.6	2.730		3.8	
80TPW19-4/2 80TWZ19-4/2 80TWX19-4/2	60.0	16.7	13.6	2960	79.0	2.815	4	4.0	110
	37.8	10.5	20.3		73.0	2.864		3.2	
	45.9	12.8	19.8		77.0	3.216		3.5	
	54.0	15.0	18.9		79.8	3.485		3.8	
80TPW21-5.5/2 80TWZ21-5.5/2 80TWX21-5.5/2	59.4	16.5	17.9	2960	80.0	3.622	5.5	4.0	129
	64.8	18.0	16.5		77.5	3.759		4.1	
	46.2	12.8	24.0		77.5	3.899		3.5	
	56.1	15.6	22.8		80.0	4.357		3.9	
80TPW20-7.5/2 80TWZ20-7.5/2 80TWX20-7.5/2	66.0	18.3	21.0	2960	81.0	4.663	7.5	4.2	119
	72.6	20.2	19.3		78.8	4.845		4.7	
	79.2	22.0	17.7		75.4	5.066		5.2	
	64.4	17.9	24.0		70.0	6.017		3.5	
80TPW27-11/2 80TWZ27-11/2 80TWX27-11/2	78.2	21.7	22.0	2960	71.0	6.603	11	3.5	115
	92.0	25.6	20.0		72.0	6.964		4.4	
	101.2	28.1	17.6		69.0	7.034		4.8	
	110.4	30.7	15.5		65.0	7.174		5.5	
80TPW33-15/2 80TWZ33-15/2 80TWX33-15/2	70.0	19.4	31.8	2960	70.5	8.604	15	3.3	152
	85.0	23.6	29.7		73.5	9.360		4.0	
	100.0	27.8	27.0		75.0	9.810		4.8	
	110.0	30.6	24.8		74.0	10.046		5.5	
80TPW37-18.5/2 80TWZ37-18.5/2 80TWX37-18.5/2	120.0	33.3	22.3	2960	69.5	10.492	18.5	6.6	232
	77.0	21.4	37.0		71.5	10.858		3.5	
	93.5	26.0	35.0		74.5	11.970		4.4	
	110.0	30.6	33.0		76.0	13.015		5.5	
80TPW42-22/2 80TWZ42-22/2 80TWX42-22/2	121.0	33.6	30.0	2960	74.0	13.367	22	6.6	193
	132.0	36.7	28.6		73.5	13.996		8.0	
	80.5	22.4	41.5		62.8	14.496		4.1	
	92.0	25.6	39.3		66.5	14.816		4.3	
80TPW57-30/2 80TWZ57-30/2 80TWX57-30/2	115.0	31.9	35.0	2960	66.0	16.618	30	5.9	203
	126.5	35.1	33.0		64.6	17.609		6.2	
	138.0	38.3	28.4		60.0	17.800		7.5	
	84.0	23.3	47.8		62	17.647		4.2	
80TPW62-37/2 80TWZ62-37/2 80TWX62-37/2	102.0	28.3	45.0	2960	66	18.951	37	4.5	230
	120.0	33.3	42.0		70	19.620		6.1	
	132.0	36.7	40.0		68	21.159		7.4	
	144.0	40.0	36.0		65	21.733		7.9	
80TPW62-37/2 80TWZ62-37/2 80TWX62-37/2	87.5	24.3	60.8	2960	65.5	22.133	30	4.2	275
	106.3	29.5	58.4		68.0	24.877		4.7	
	125.0	34.7	57.0		72.0	26.966		6.2	
	137.5	38.2	53.3		71.0	28.128		7.5	
80TPW62-37/2 80TWZ62-37/2 80TWX62-37/2	150.0	41.7	48.0	2960	67.0	29.284	37	9.2	382
	91.0	25.3	66.2		70.0	23.451		4.3	
	110.5	30.7	64.3		74.0	26.164		5.7	
	130.0	36.1	62.0		75.0	29.285		7.4	
80TPW62-37/2 80TWZ62-37/2 80TWX62-37/2	143.0	39.7	58.6	2960	74.0	30.858	37	7.9	298
	156.0	43.3	52.3		70.0	31.761		9.6	

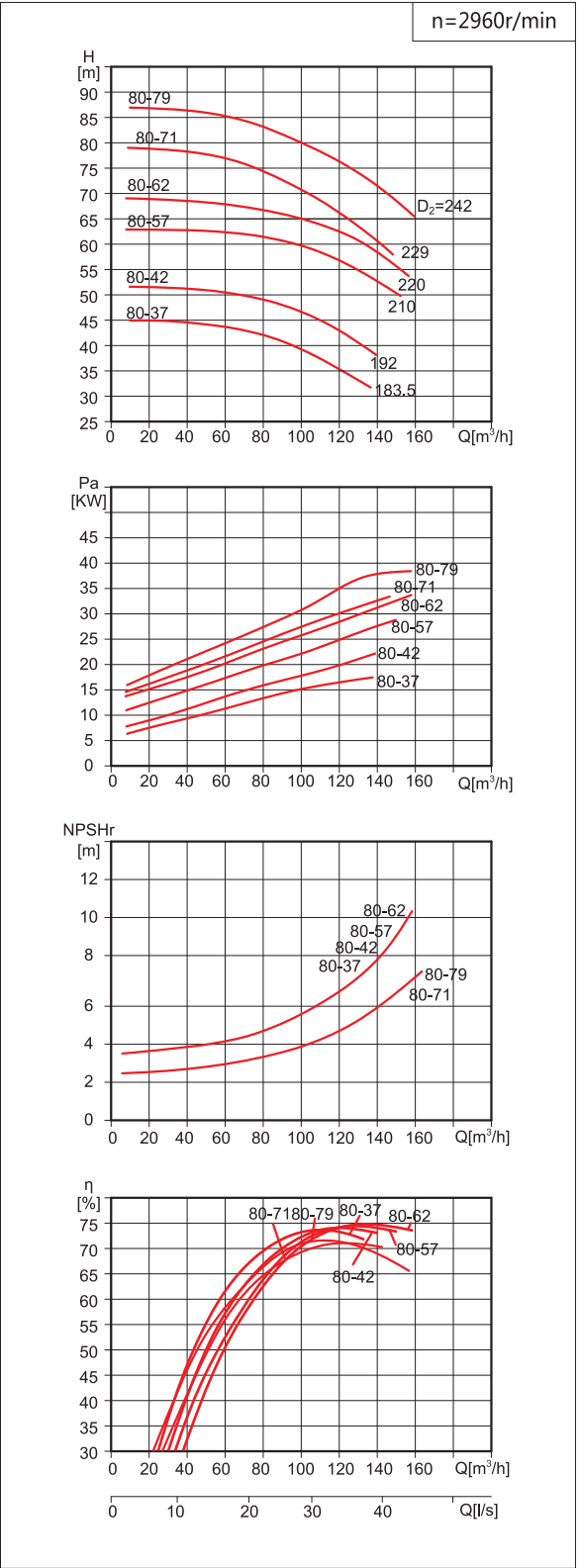
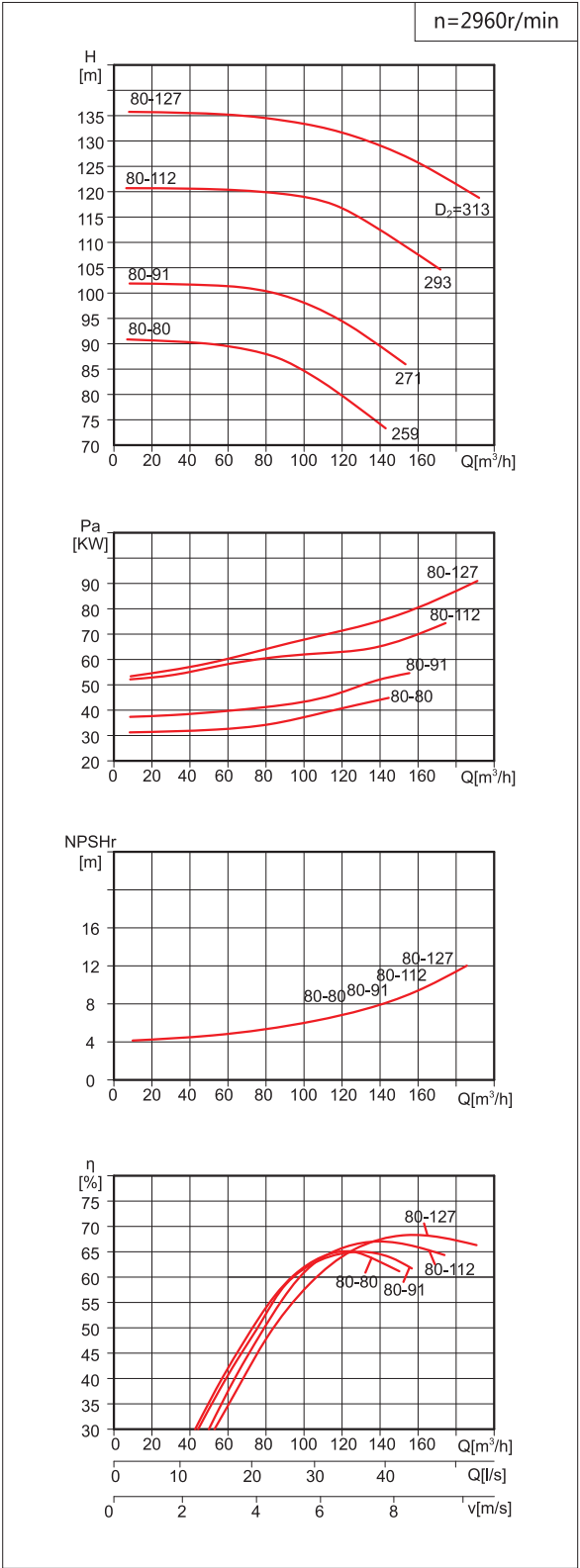
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
80TPW71-30/2 80TWZ71-30/2 80TWX71-30/2	70.0	19.4	76.5	2960	63.9	22.863	30	2.6	295
	85.0	23.6	74.3		68.0	23.163		3.3	339
	100.0	27.8	71.0		71.0	27.250		3.7	
	110.0	30.6	68.5		71.3	28.789		4.2	
	120.0	33.3	65.4		70.5	30.334		4.9	404
80TPW79-37/2 80TWZ79-37/2 80TWX79-37/2	73.5	20.4	83.7	2960	64.2	26.112	37	2.6	320
	89.3	24.8	81.8		68.3	29.144		3.5	368
	105.0	29.2	79.0		71.2	31.747		4.2	
	115.5	32.1	76.9		70.8	34.185		4.9	
	126.0	35.0	73.6		69.7	36.256		5.8	431
80TPW80-45/2 80TWZ80-45/2 80TWX80-45/2	88	24.4	87	2960	59.0	35.360	45	5.4	368
	106	29.4	84		62.0	39.135		6.5	423
	125	34.7	79		65.0	41.399		7.2	
	138	38.3	74		63.8	43.617		7.8	
	150	41.7	67		62.0	44.171		8.3	541
80TPW91-55/2 80TWZ91-55/2 80TWX91-55/2	92	25.6	99	2960	59.0	42.067	55	6.4	512
	112	31.1	96		62.5	46.879		6.8	589
	132	36.7	91		65.6	49.897		7.7	
	145	40.3	86		64.3	52.847		8.1	
	158	43.9	77		62.2	53.300		8.5	700
80TPW112-75/2 80TWZ112-75/2 80TWX112-75/2	101	28.0	119	2960	62.0	52.721	75	6.4	600
	122	33.9	117		65.5	59.384		7.2	690
	144	40.0	112		67.6	65.013		8.1	
	158	43.9	109		66.3	70.784		8.5	
	173	48.0	103		65.2	74.387		9.5	805
80TPW127-90/2 80TWZ127-90/2 80TWX127-90/2	109	30.3	134	2960	62.0	64.196	90	6.5	649
	133	36.9	132		65.5	73.038		7.7	746
	156	43.3	127		68.6	78.699		8.5	
	172	47.8	124		67.3	86.358		9.5	
	187	51.9	118		66.6	90.285		10.6	859
80TPW5-0.75/4 80TWZ5-0.75/4 80TWX5-0.75/4	24.5	6.8	5.5	1480	69.0	0.561	0.75	1.1	70
	29.8	8.3	5.4		72.5	0.616		1.1	84
	35.0	9.7	5.3		73.6	0.648		1.1	
	38.5	10.7	5.0		71.3	0.677		1.1	
	42.0	11.7	4.6		68.5	0.702		1.2	115
80TPW6-1.1/4 80TWZ6-1.1/4 80TWX6-1.1/4	31.5	8.8	7.0	1480	65.0	0.924	1.1	0.8	70
	38.3	10.6	6.5		68.0	0.998		0.9	84
	45.0	12.5	6.0		70.0	1.051		1.2	
	49.5	13.8	5.5		68.5	1.083		1.3	
	54.0	15.0	5.0		67.5	1.090		1.6	128
80TPW7-1.5/4 80TWZ7-1.5/4 80TWX7-1.5/4	35.0	9.7	8.2	1480	66	1.185	1.5	0.8	78
	42.5	11.8	7.7		69	1.292		0.9	94
	50.0	13.9	7.0		71	1.343		1.2	
	55.0	15.3	6.5		69	1.412		1.3	
	60.0	16.7	5.9		67	1.440		1.6	137
80TPW8-2.2/4 80TWZ8-2.2/4 80TWX8-2.2/4	38.5	10.7	9.5	1480	67.0	1.488	2.2	0.8	85
	46.8	13.0	9.0		70.0	1.638		1.1	102
	55.0	15.3	8.5		73.0	1.745		1.3	
	60.5	16.8	7.7		71.0	1.788		1.6	
	66.0	18.3	7.4		69.0	1.929		1.8	146

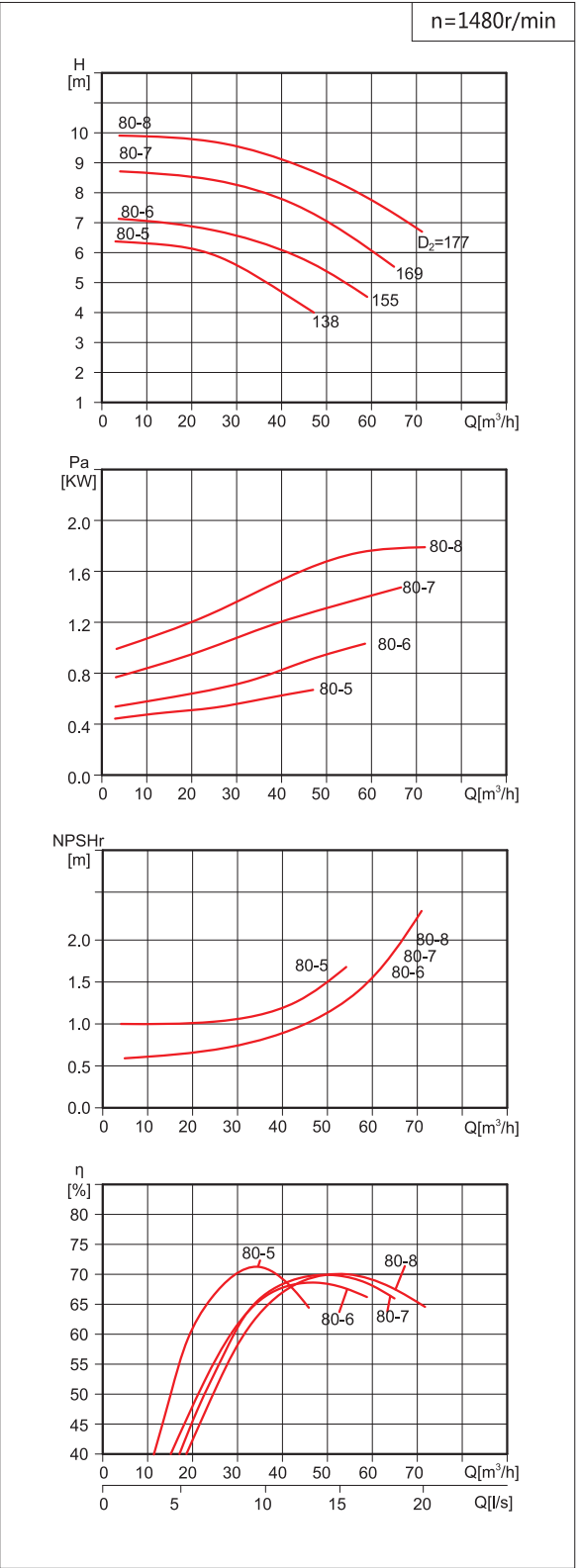
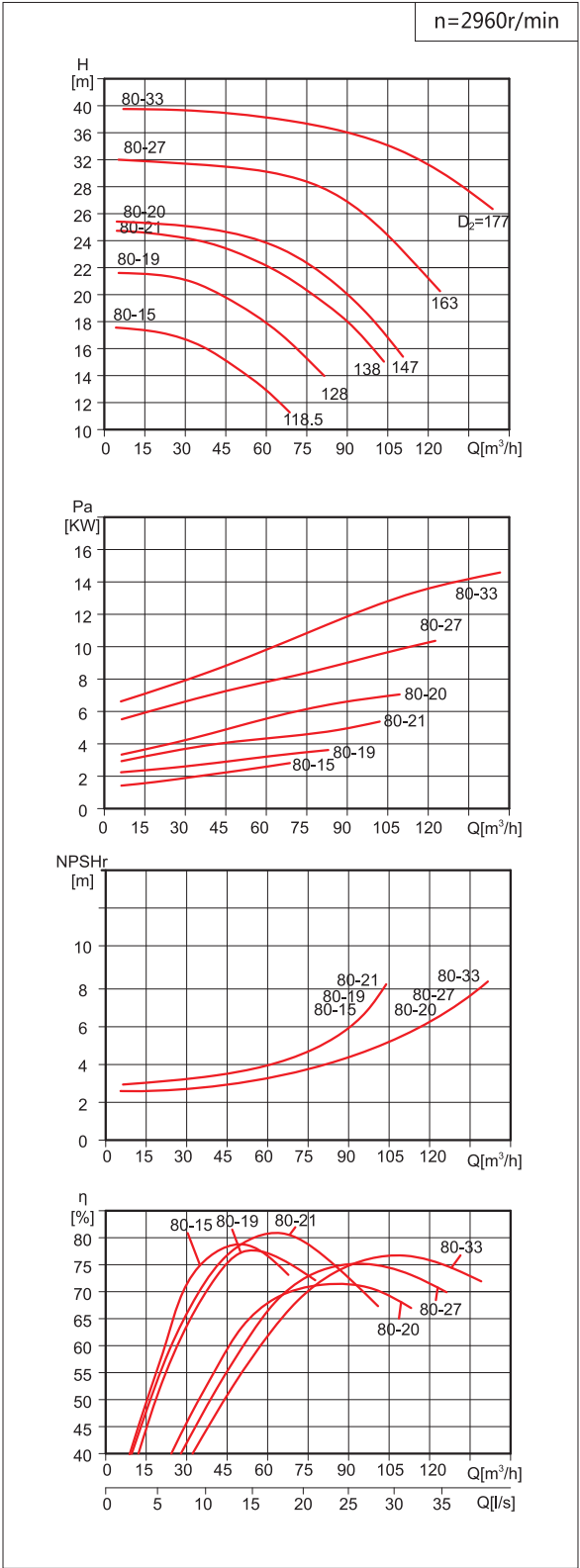
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
80TPW9-2.2/4 80TWZ9-2.2/4 80TWX9-2.2/4	40.3	11.2	10.5	1480	66.5	1.718	2.2	0.9	96
	46.0	12.8	9.8		71.3	1.723		1.2	
	57.5	16.0	9.0		72.0	1.959		1.5	115
	63.3	17.6	8.5		70.6	2.077		1.8	
	69.0	19.2	7.5		67.0	2.105		2.2	158
80TPW11-3/4 80TWZ11-3/4 80TWX11-3/4	42.0	11.7	12.4	1480	68.0	2.087	3	1.0	107
	51.0	14.2	11.8		72.6	2.259		1.3	
	60.0	16.7	11.0		72.9	2.467		1.6	128
	66.0	18.3	10.5		71.6	2.673		2.0	
	72.0	20.0	9.5		38.0	2.741		2.5	170
80TPW15-4/4 80TWZ15-4/4 80TWX15-4/4	43.4	12.1	15.8	1480	38.2	2.740	4	1.0	125
	52.7	14.6	15.4		72.6	3.046		1.3	
	62.0	17.2	15.0		73.0	3.472		1.6	150
	68.2	18.9	14.3		71.8	3.701		2.1	
	74.4	20.7	13.0		68.3	3.859		2.5	189
80TPW14-3/4 80TWZ14-3/4 80TWX14-3/4	35.0	9.7	15.2	1480	63.0	2.301	3	1.6	127
	42.5	11.8	14.6		67.5	2.505		1.7	
	50.0	13.9	14.0		69.0	2.764		1.8	152
	55.0	15.3	13.4		69.5	2.890		1.8	
	60.0	16.7	12.9		70.0	3.013		2.0	199
80TPW17-4/4 80TWZ17-4/4 80TWX17-4/4	38.5	10.7	17.9	1480	63.0	2.985	4	1.6	145
	47.0	13.1	17.3		68.0	3.249		1.7	
	55.0	15.3	16.8		69.5	3.612		1.8	174
	60.5	16.8	16.0		70.1	3.751		1.9	
	66.0	18.3	15.3		70.8	3.887		2.1	219
80TPW21-5.5/4 80TWZ21-5.5/4 80TWX21-5.5/4	42.0	11.7	23.0	1480	66.6	3.952	5.5	1.7	197
	51.0	14.2	22.0		69.6	4.393		1.8	
	60.0	16.7	21.0		71.0	4.836		2.1	236
	66.0	18.3	20.0		69.7	5.161		2.3	
	72.0	20.0	19.0		69.2	5.387		2.7	278
80TPW18-5.5/4 80TWZ18-5.5/4 80TWX18-5.5/4	45.5	12.6	20.2	1480	60.0	4.174	5.5	3.0	217
	55.3	15.4	19.2		63.4	4.564		3.9	
	65.0	18.1	18.1		65.0	4.932		4.5	250
	71.5	19.9	17.2		64.5	5.196		5.2	
	78.0	21.7	15.8		62.8	5.348		6.0	350
80TPW23-7.5/4 80TWZ23-7.5/4 80TWX23-7.5/4	50.4	14.0	25.5	1480	59.0	5.936	7.5	3.2	230
	61.0	16.9	24.2		63.0	6.385		4.1	
	72.0	20.0	23.0		65.2	6.921		4.7	265
	79.0	21.9	22.0		64.7	7.320		5.4	
	86.4	24.0	20.4		64.0	7.505		6.2	365
80TPW30-11/4 80TWZ30-11/4 80TWX30-11/4	54.5	15.1	32.6	1480	58.8	8.234	11	3.5	270
	66.5	18.5	31.5		62.7	9.104		4.3	
	78.0	21.7	30.0		65.3	9.765		5.0	310
	86.0	23.9	29.0		65.0	10.456		5.7	
	93.5	26.0	27.7		64.8	10.891		6.5	410

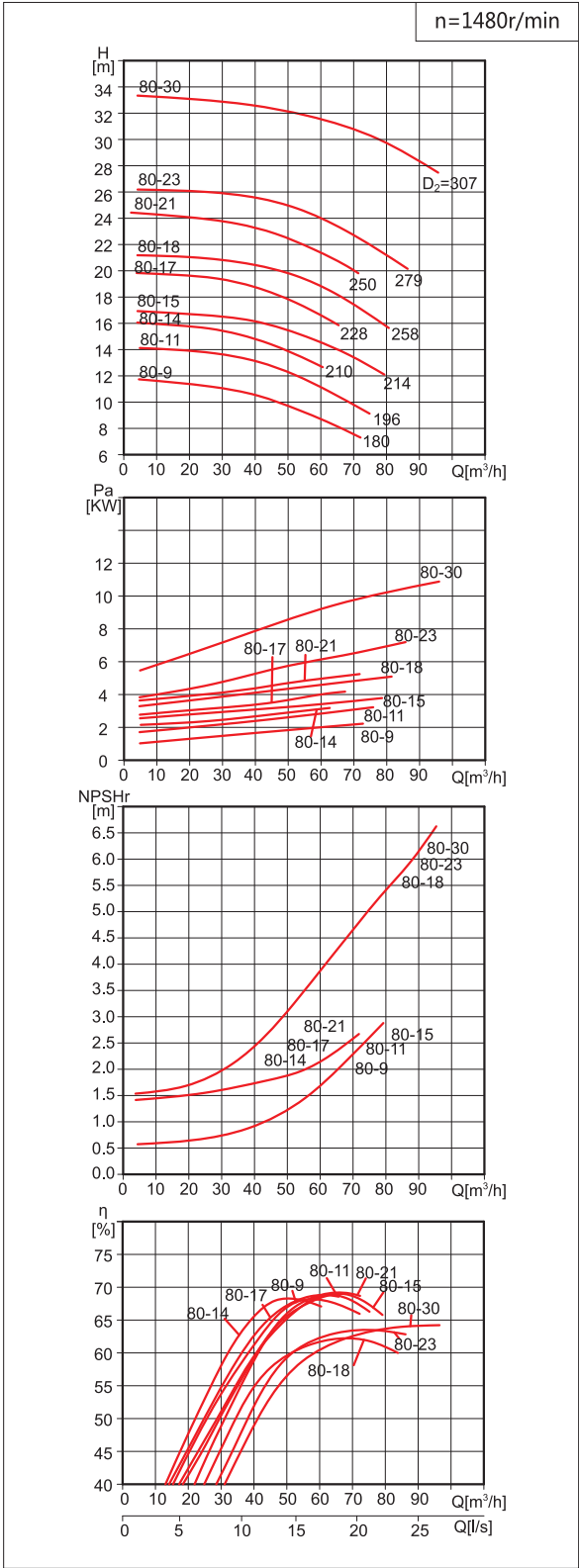
Characteristic curves



Characteristic curves



Characteristic curves



Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
100TPW15-4/2	50	14.0	16.5	2960	66.0	3.434	4	4.0	92
100TWZ15-4/2	61	17.0	15.8		72.5	3.634		4.0	
100TWX15-4/2	72	20.0	15.0		76.5	3.847		4.0	
	79	22.0	13.8		75.5	3.945		4.0	110
	86	24.0	12.7		74.6	4.008		4.2	
100TPW18-5.5/2	56	15.6	20	2960	70.0	4.360	5.5	4.0	108
100TWZ18-5.5/2	68	18.9	19.2		76.0	4.681		4.0	
100TWX18-5.5/2	80	22.2	18.0		78.0	5.031		4.0	
	88	24.4	16.1		77.0	5.014		4.3	124
	96	26.7	15		75.0	5.232		4.4	
100TPW20-7.5/2	70	19.4	23.0	2960	74.0	5.929	7.5	4.0	123
100TWZ20-7.5/2	85	23.6	21.5		77.0	6.467		4.3	
100TWX20-7.5/2	100	27.8	20.0		78.0	6.987		4.5	141
	110	30.6	17.8		76.0	7.020		4.8	
	120	33.3	15.6		73.0	6.988		5.3	178
100TPW21-11/2	91.0	25.3	24.0	2960	70.0	8.502	11	3.7	168
100TWZ21-11/2	111.0	30.8	22.6		73.0	9.364		3.9	
100TWX21-11/2	130.0	36.1	20.0		75.0	9.447		4.2	193
	143.0	39.7	19.0		71.5	10.355		4.5	
	156.0	43.3	17.5		69.0	10.782		4.8	250
100TPW25-15/2	105	29.2	29.3	2960	72.0	11.644	15	3.7	180
100TWZ25-15/2	128	35.6	28.2		74.0	13.292		4.0	
100TWX25-15/2	150	41.7	25.0		76.0	13.446		4.4	207
	165	45.8	22.5		73.0	13.858		5.1	
	180	50.0	19.3		68.0	13.922		5.3	263
100TPW30-18.5/2	112	31.1	36.0	2960	73.6	14.928	18.5	3.7	198
100TWZ30-18.5/2	136	37.8	34.0		77.2	16.322		4.0	
100TWX30-18.5/2	160	44.4	30.0		78.6	16.641		4.7	228
	176	48.9	28.0		77.0	17.440		5.1	
	192	53.3	25.0		73.0	17.918		5.8	284
100TPW32-22/2	119	33.1	37.0	2960	74.0	16.214	22	3.9	222
100TWZ32-22/2	145	40.1	34.8		77.0	17.796		4.3	
100TWX32-22/2	170	47.2	32.0		79.0	18.765		5.0	255
	187	51.9	28.8		76.0	19.310		5.7	
	204	56.7	25.0		72.0	19.302		6.0	312
100TPW37-22/2	105	29.2	41.8	2960	69.0	17.333	22	3.5	250
100TWZ37-22/2	128	35.6	40.0		72.0	19.378		3.6	
100TWX37-22/2	150	41.7	37.0		75.0	20.165		3.8	288
	165	45.8	34.0		72.0	21.232		4.0	
	180	50.0	30.6		69.0	21.753		4.3	347
100TPW45-30/2	112	31.1	51.0	2960	72.0	21.618	30	3.5	299
100TWZ45-30/2	136	37.8	49.0		77.0	23.584		3.7	
100TWX45-30/2	160	44.4	45.0		77.0	25.481		3.9	344
	176	48.9	42.0		76.0	26.504		4.1	
	192	53.3	40.0		72.0	29.067		4.6	408
100TPW53-37/2	119	33.1	58.0	2960	72.0	26.122	37	3.6	320
100TWZ53-37/2	145	40.1	57.0		77.0	29.149		3.7	
100TWX53-37/2	170	47.2	53.0		77.0	31.886		4.1	368
	187	51.9	50.0		76.0	33.525		4.4	
	204	56.7	47.0		72.0	36.288		4.8	431

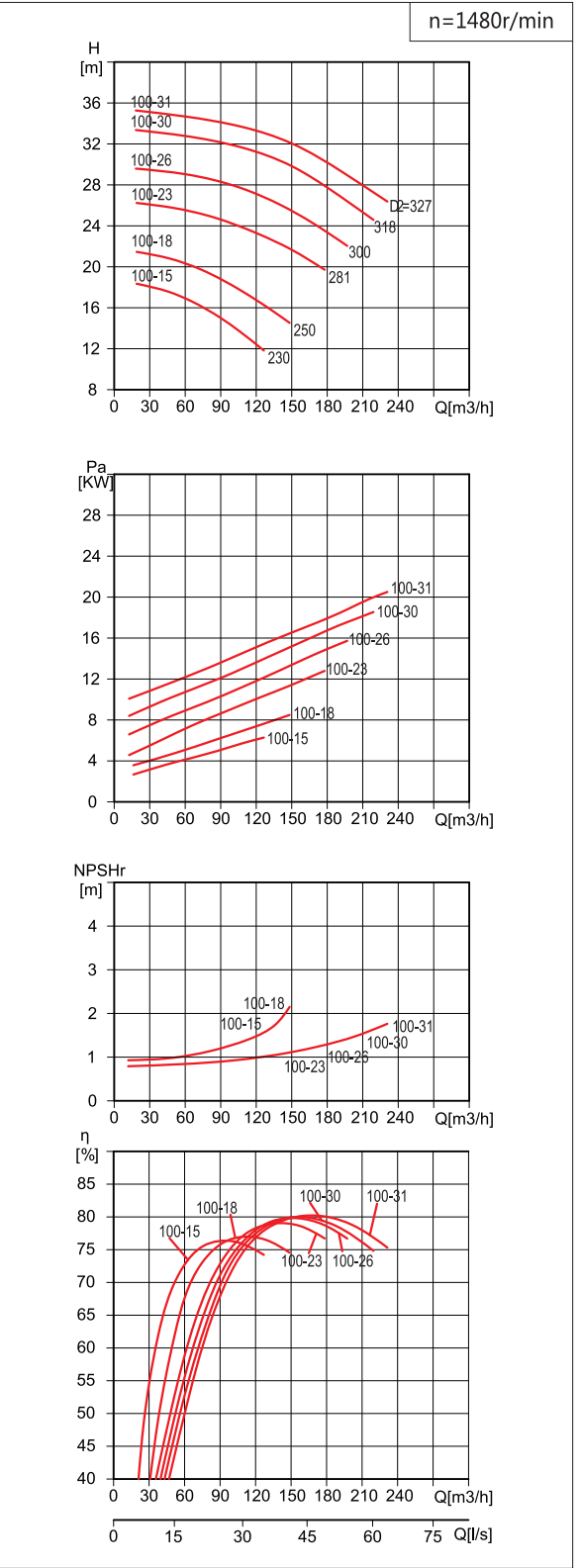
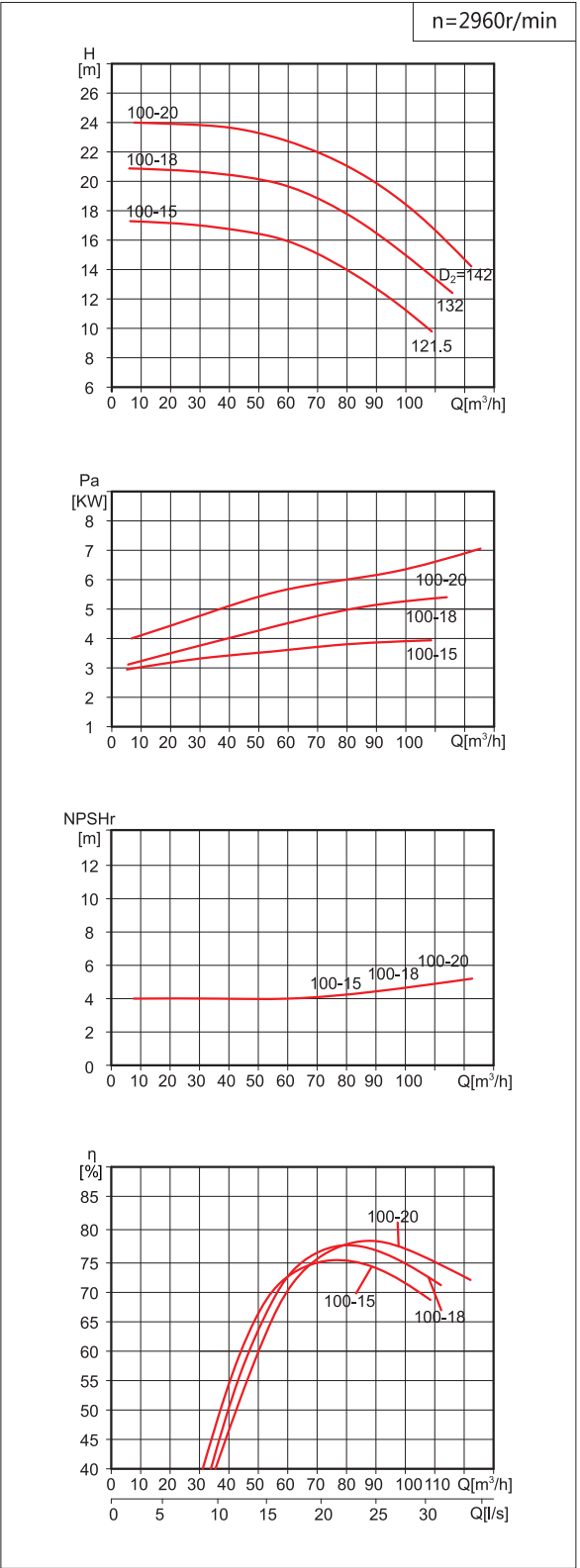
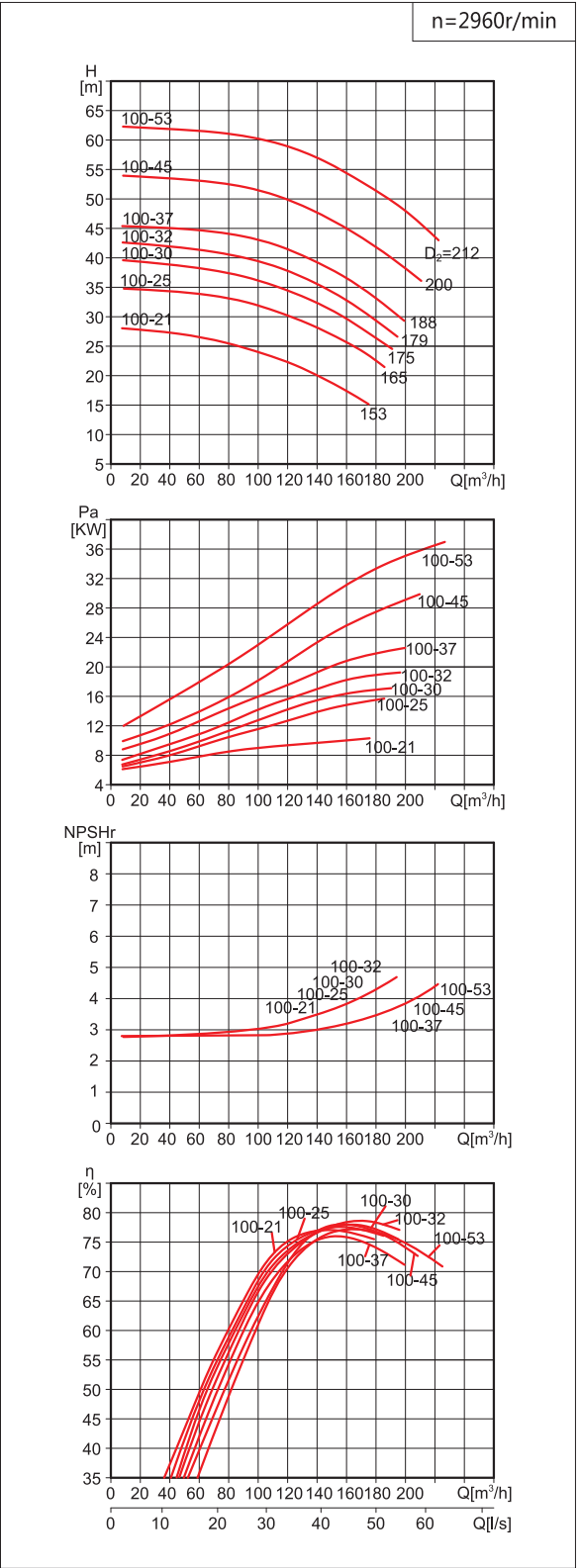
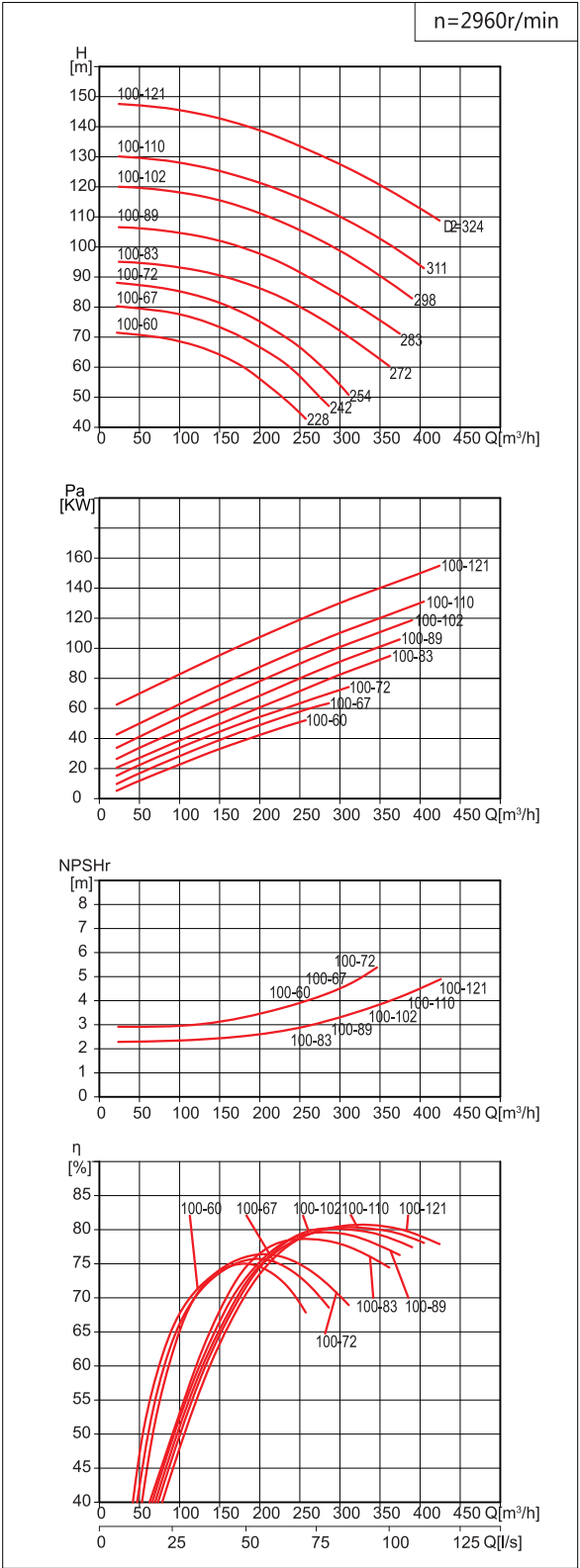
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
100TPW60-45/2 100TWZ60-45/2 100TWX60-45/2	137	37.9	67	2960	71	35.101	45	3.2	390
	166	46.1	63		74	38.587		3.6	
	180	50.0	60		75	39.240		3.7	
	196	54.4	57		74	41.140		3.8	
	216	60.0	53		71	43.938		4.2	
100TPW67-55/2 100TWZ67-55/2 100TWX67-55/2	140	38.9	75	2960	72	39.528	55	3.3	470
	170	47.2	71		73	44.802		3.6	
	200	55.6	67		76	48.261		3.9	
	220	61.1	64		75	51.477		4.2	
	240	66.7	60		72	54.863		4.6	
100TPW72-75/2 100TWZ72-75/2 100TWX72-75/2	154	42.8	81	2960	75	45.322	75	3.2	600
	187	51.9	76		76	51.092		3.7	
	220	61.1	72		77	56.135		4.2	
	242	67.2	67		76	58.309		4.6	
	264	73.3	63		72	62.948		5.0	
100TPW83-75/2 100TWZ83-75/2 100TWX83-75/2	168	46.7	89.6	2960	72.1	56.874	75	3.20	680
	204	56.7	87.4		76.5	63.491		3.30	
	240	66.7	83.0		78.2	69.393		3.50	
	264	73.3	77.5		77.3	72.104		3.70	
	288	80.0	73.4		76.5	75.277		3.90	
100TPW89-90/2 100TWZ89-90/2 100TWX89-90/2	182	50.6	97.2	2960	72.5	66.471	90	3.30	910
	221	61.4	94.8		76.8	74.314		3.40	
	260	72.2	90.0		79.1	80.588		3.70	
	286	79.4	86.9		78.4	86.358		4.00	
	312	86.7	82.5		77.5	90.477		4.20	
100TPW102-110/2 100TWZ102-110/2 100TWX102-110/2	196	54.4	110.2	2960	72.9	80.713	110	3.40	970
	238	66.1	107.4		77.4	89.965		3.60	
	280	77.8	102.0		80.2	97.010		3.90	
	308	85.6	98.5		79.8	103.566		4.20	
	336	93.3	94.6		79.2	109.330		4.60	
100TPW110-132/2 100TWZ110-132/2 100TWX110-132/2	210	58.3	118.8	2960	75.1	90.496	132	3.50	1050
	255	70.8	115.8		78.8	102.084		3.70	
	300	83.3	110.0		80.6	111.535		4.00	
	330	91.7	106.2		80.7	118.304		4.50	
	360	100.0	102.1		79.3	126.267		4.90	
100TPW121-160/2 100TWZ121-160/2 100TWX121-160/2	224	62.2	135.0	2960	76.0	108.393	160	3.60	1140
	272	75.6	131.6		80.0	121.890		3.90	
	320	88.9	125.0		81.0	134.527		4.50	
	352	97.8	120.7		80.8	143.243		4.80	
	384	106.7	116.0		79.0	153.602		5.50	
100TPW4-0.75/4 100TWZ4-0.75/4 100TWX4-0.75/4	31.5	8.8	5.4	1480	69.0	0.672	0.75	1.7	92
	38.3	10.6	5.0		73.0	0.714		1.8	
	45.0	12.5	4.5		75.0	0.736		2.0	
	49.5	13.8	4.1		74.0	0.747		2.2	
	54.0	15.0	3.7		73.0	0.746		2.4	
100TPW5-1.1/4 100TWZ5-1.1/4 100TWX5-1.1/4	38.5	10.7	5.7	1480	63.0	0.949	1.1	1.5	95
	46.8	13.0	5.4		69.0	0.997		1.6	
	55.0	15.3	4.9		72.5	1.103		1.8	
	60.5	16.8	4.5		73.0	1.106		1.8	
	66.0	18.3	4.1		72.2	1.021		1.9	

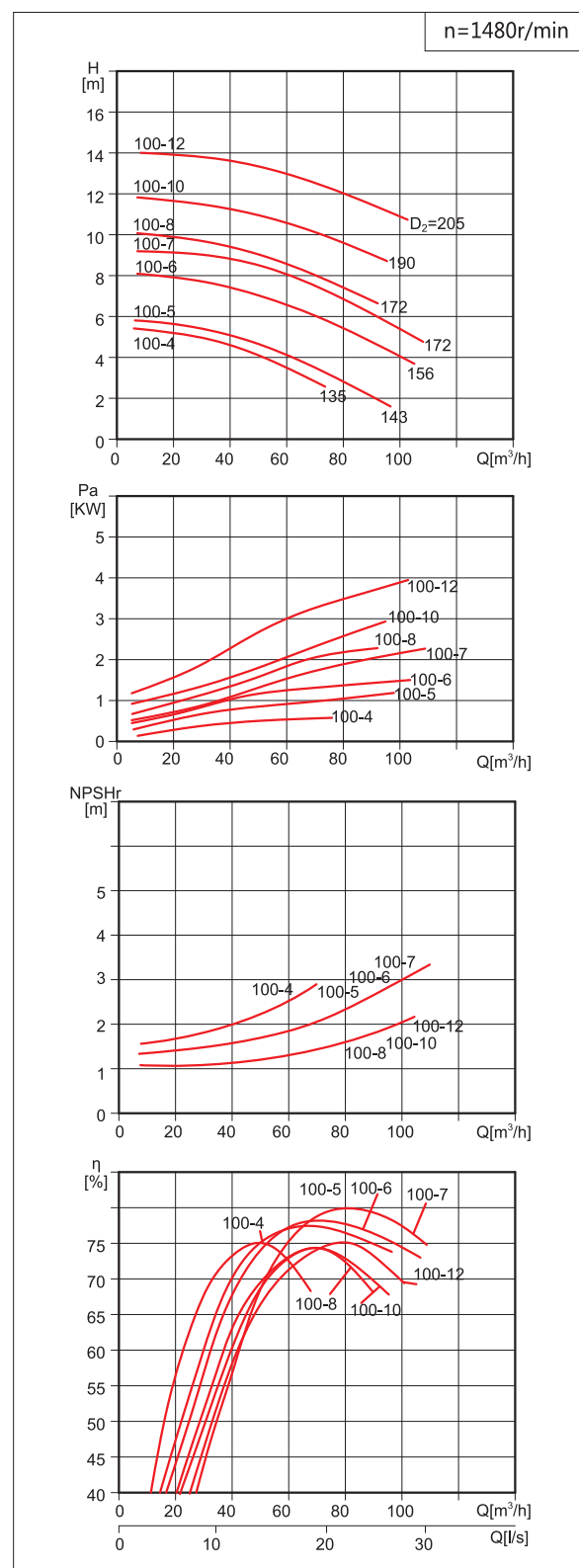
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
100TPW6-1.5/4 100TWZ6-1.5/4 100TWX6-1.5/4	46.2	12.8	6.9	1480	66.0	1.316	1.5	1.6	100
	56.1	15.6	6.5		69.0	1.380		1.8	
	66.0	18.3	6.0		75.5	1.429		2.0	
	72.6	20.2	5.6		76.0	1.458		2.1	
	79.2	22.0	5.2		75.2	1.492		2.3	
100TPW7-2.2/4 100TWZ7-2.2/4 100TWX7-2.2/4	52.5	14.6	8.6	1480	70.0	1.758	2.2	1.9	128
	63.8	17.7	8.3		75.0	1.924		2.2	
	75.0	20.8	7.5		77.3	1.983		2.5	
	82.5	22.9	6.9		74.3	2.088		2.7	
	90.0	25.0	6.2		72.0	2.112		3.0	
100TPW8-2.2/4 100TWZ8-2.2/4 100TWX8-2.2/4	49.0	13.6	8.6	1480	67.0	1.791	2.2	1.4	142
	59.5	16.5	8.3		69.5	1.942		1.4	
	70.0	19.4	7.8		71.8	2.072		1.5	
	77.0	21.4	7.3		71.7	2.122		1.6	
	84.0	23.3	6.7		69.8	2.197		1.7	
100TPW10-3/4 100TWZ10-3/4 100TWX10-3/4	52.5	14.6	10.7	1480	65.9	2.323	3	1.4	147
	63.8	17.7	10.4		70.6	2.569		1.5	
	75.0	20.8	10.0		73.5	2.781		1.6	
	82.5	22.9	9.3		73.8	2.833		1.6	
	90.0	25.0	8.2		70.2	2.865		1.8	
100TPW12-4/4 100TWZ12-4/4 100TWX12-4/4	56.0	15.6	13.5	1480	70.0	2.943	4	1.4	158
	68.0	18.9	13.0		73.0	3.300		1.5	
	80.0	22.2	12.0		75.0	3.488		1.6	
	88.0	24.4	11.3		74.0	3.662		1.8	
	96.0	26.7	10.8		72.0	3.924		1.9	
100TPW15-5.5/4 100TWZ15-5.5/4 100TWX15-5.5/4	68.3	19.0	16.6	1480	69.0	4.474	5.5	1.3	188
	82.9	23.0	15.8		71.0	5.027		1.4	
	90.0	25.0	15.0		72.0	5.109		1.5	
	98.0	27.2	14.1		72.0	5.230		1.7	
	108.0	30.0	13.5		69.0	5.758		1.8	
100TPW18-7.5/4 100TWZ18-7.5/4 100TWX18-7.5/4	70.0	19.4	20.4	1480	68.4	5.689	7.5	1.3	200
	85.0	23.6	19.5		71.5	6.317		1.5	
	100.0	27.8	18.2		73.2	6.775		1.7	
	110.0	30.6	17.6		73.6	7.168		1.8	
	120.0	33.3	16.3		72.5	7.352		2.0	
100TPW23-11/4 100TWZ23-11/4 100TWX23-11/4	87.5	24.3	24.9	1480	71.3	8.324	11	1.30	310
	106.3	29.5	24.2		75.6	9.270		1.40	
	125.0	34.7	23.0		78.2	10.015		1.50	
	137.5	38.2	22.3		77.8	10.736		1.60	
	150.0	41.7	21.4		76.9	11.371		1.70	
100TPW26-15/4 100TWZ26-15/4 100TWX26-15/4	98.0	27.2	28.1	1480	72.0	10.419	15	1.40	326
	119.0	33.1	27.3		76.5	11.569		1.40	
	140.0	38.9	26.0		79.3	12.504		1.60	
	154.0	42.8	25.2		78.8	13.416		1.70	
	168.0	46.7	24.2		78.1	14.181		1.80	
100TPW30-18.5/4 100TWZ30-18.5/4 100TWX30-18.5/4	105.0	29.2	32.4	1480	74.2	12.490	18.5	1.40	362
	127.5	35.4	31.5		77.8	14.063		1.50	
	150.0	41.7	30.0		79.7	15.381		1.70	
	165.0	45.8	29.0		79.9	16.314		1.80	
	180.0	50.0	27.9		79.2	17.274		2.00	
100TPW31-22/4 100TWZ31-22/4 100TWX31-22/4	112.0	31.1	33.5	1480	75.5	13.538	22	1.40	376
	136.0	37.8	32.6		79.4	15.211		1.60	
	160.0	44.4	31.0		80.2	16.848		1.80	
	176.0	48.9	30.0		80.0	17.980		2.00	
	192.0	53.3	28.8		78.5	19.189		2.20	

Characteristic curves



Characteristic curves



Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
125TPW25-22/2 125TWZ25-22/2 125TWX25-22/2	151.0	41.9	29.6	2960	70.0	17.400	22	6.2	262 301 360
	183.0	50.8	27.5		75.0	18.258		6.3	
	215.0	59.7	25.0		78.9	18.564		6.4	
	237.0	65.8	22.0		76.2	18.646		6.6	
	258.0	71.7	19.6		73.5	18.748		6.8	
125TPW34-30/2 125TWZ34-30/2 125TWX34-30/2	161	44.7	38.4	2960	71.2	23.328	30	6.2	314 361 422
	196	54.4	36.8		77.6	25.328		6.3	
	230	63.9	34.5		81.0	26.975		6.4	
	253	70.3	32.6		81.2	27.679		6.6	
	276	76.7	27.8		75.6	27.657		6.9	
125TPW40-37/2 125TWZ40-37/2 125TWX40-37/2	168	46.7	44.0	2960	72.0	27.977	37	6.2	337 388 447
	204	56.7	43.0		78.7	30.373		6.3	
	240	66.7	40.0		81.9	31.941		6.5	
	264	73.3	37.0		82.0	32.461		6.7	
	288	80.0	32.0		76.0	33.044		7.0	
125TPW46-45/2 125TWZ46-45/2 125TWX46-45/2	189.0	52.5	51.7	2960	76.5	34.796	45	4.20	440 506 581
	229.5	63.8	49.4		81.8	37.756		4.40	
	270.0	75.0	46.0		83.0	40.764		4.80	
	297.0	82.5	43.3		81.6	42.933		5.40	
	324.0	90.0	40.0		80.0	44.132		5.70	
125TPW49-55/2 125TWZ49-55/2 125TWX49-55/2	210.0	58.3	55.1	2960	77.3	40.778	55	4.20	520 598 682
	255.0	70.8	52.4		82.4	44.175		4.50	
	300.0	83.3	49.0		83.5	47.958		5.40	
	330.0	91.7	46.2		82.2	50.526		5.80	
	360.0	100.0	43.0		80.8	52.191		6.40	
125TPW53-55/2 125TWZ53-55/2 125TWX53-55/2	189	52.5	62.0	2960	71.0	44.974	55	4.5	572 658 780
	230	63.9	59.0		73.0	50.655		4.7	
	270	75.0	53.0		75.0	51.993		5.1	
	297	82.5	50.0		74.0	54.684		5.4	
	324	90.0	45.0		72.0	55.181		5.7	
125TPW60-75/2 125TWZ60-75/2 125TWX60-75/2	210	58.3	65.9	2960	73.0	51.659	75	4.6	652 750 913
	255	70.8	64.0		75.0	59.296		5.0	
	300	83.3	60.0		76.0	64.539		5.4	
	330	91.7	56.8		74.0	69.024		5.8	
	360	100.0	52.4		71.0	72.401		6.2	
125TPW70-90/2 125TWZ70-90/2 125TWX70-90/2	231	64.2	76.9	2960	75.0	64.542	90	4.7	780 897 1053
	281	77.9	74.3		76.0	74.726		5.3	
	330	91.7	70.0		77.0	81.750		5.8	
	363	100.8	63.7		76.0	82.908		6.2	
	396	110.0	60.0		74.0	87.495		6.7	
125TPW77-110/2 125TWZ77-110/2 125TWX77-110/2	252	70.0	85.6	2960	75.0	78.375	110	5.0	990 1139 1287
	306	85.0	82.4		77.0	89.233		5.5	
	360	100.0	77.0		78.0	96.842		6.2	
	396	110.0	71.8		76.0	101.947		6.7	
	432	120.0	66.3		73.0	106.916		7.3	
125TPW98-132/2 125TWZ98-132/2 125TWX98-132/2	231.0	64.2	105.0	2960	72.0	91.798	132	6.0	1060 1219 1366
	280.0	77.8	102.0		75.0	103.768		6.3	
	330.0	91.7	98.0		75.0	117.582		6.6	
	363.0	100.8	93.0		74.0	122.658		6.8	
	396.0	110.0	88.0		72.0	130.083		7.0	
125TPW108-160/2 125TWZ108-160/2 125TWX108-160/2	252	70.0	118	2960	73.0	111.283	160	6.1	1140 1311 1453
	306	85.0	114		76.0	124.529		6.4	
	360	100.0	108		76.0	139.534		6.8	
	396	110.0	103		75.0	148.053		7.3	
	432	120.0	96		73.0	154.487		8.0	

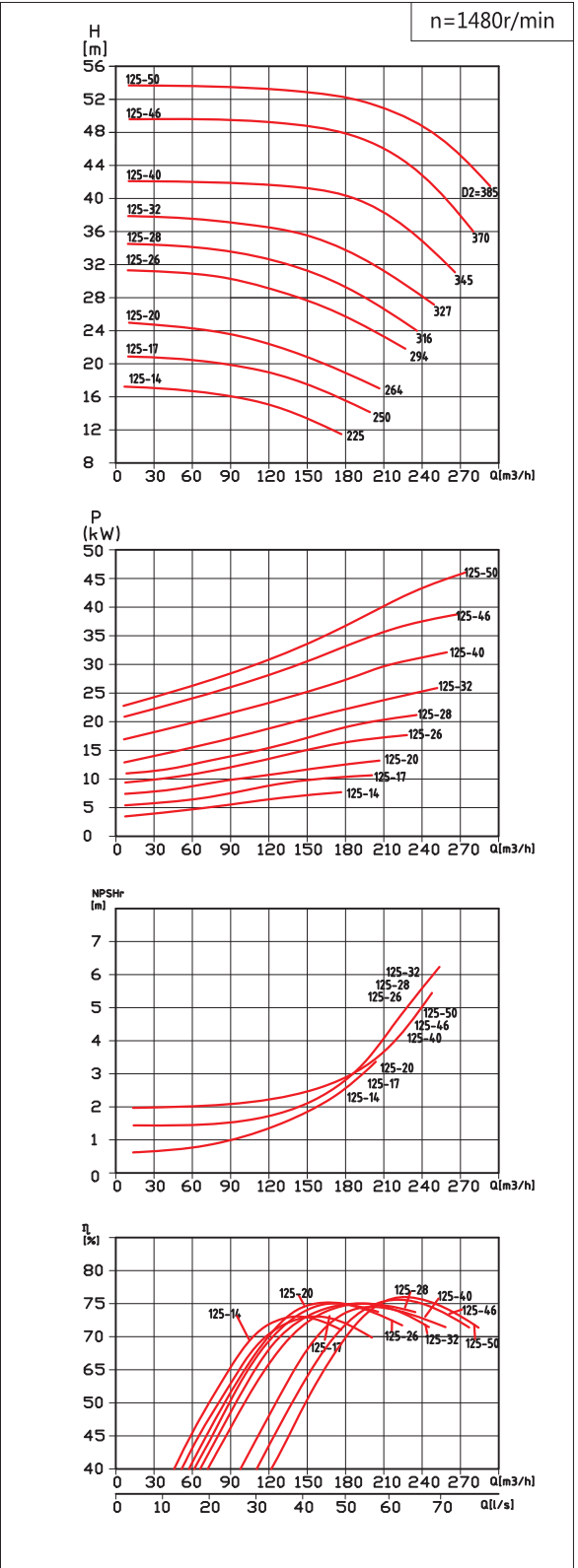
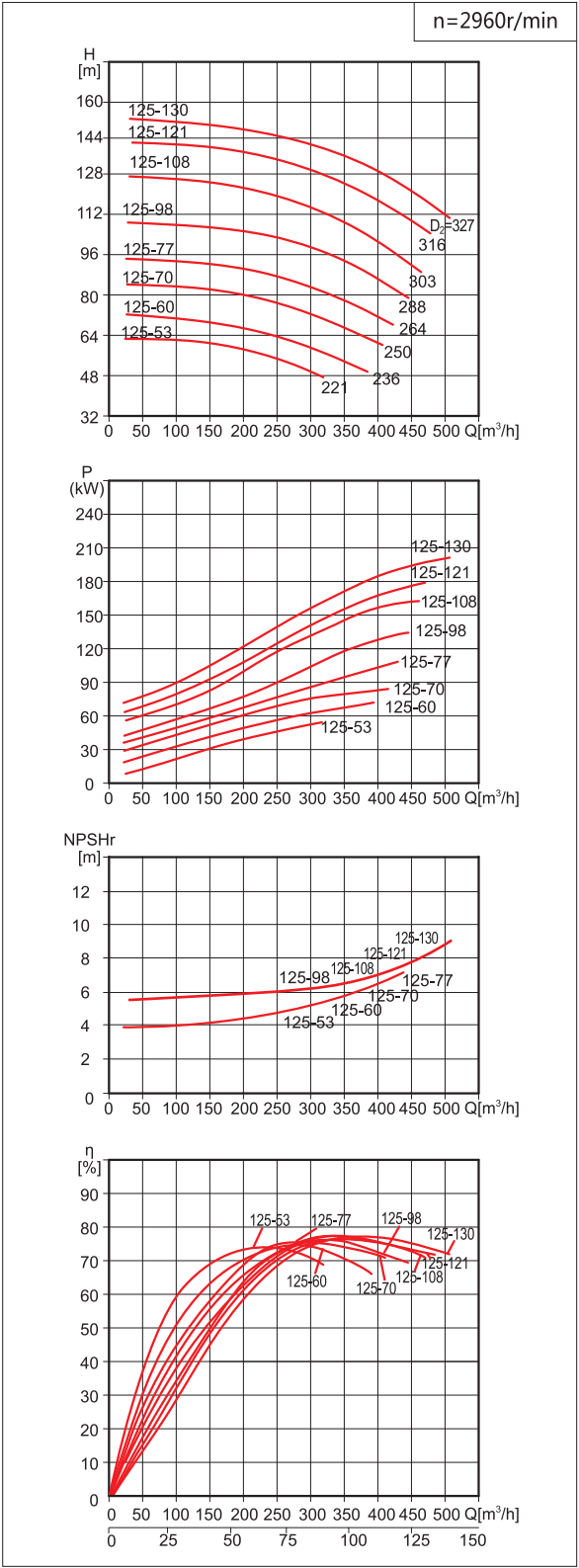
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
125TPW121-185/2	270	75.0	134	2960	73.5	133.836	185	6.2	1192
	327	90.8	129		76.5	149.794		6.6	
	385	106.9	121		76.8	165.838		7.0	
	424	117.8	115		75.5	175.223		7.6	
125TWZ121-185/2	462	128.3	107		73.5	182.933		8.2	
125TWX121-185/2	280	77.8	144	2960	74.0	148.476	200	6.3	1222
	340	94.4	138		77.0	166.048		6.7	
125TPW130-200/2	400	111.1	130		78.0	181.667		7.3	
	440	122.2	122		78.2	187.056		7.8	
125TWZ130-200/2	480	133.3	114		75.8	196.718		8.6	
125TWX130-200/2	70	19.4	7.0	1480	67.8	1.969	2.2	2.5	123
	85	23.6	6.4		72.7	2.039		2.6	
125TPW6-2.2/4	100	27.8	5.9		74.8	2.149		2.6	
	110	30.6	5.4		73.6	2.199		2.7	
125TWZ6-2.2/4	120	33.3	4.8		72.5	2.165		2.8	
125TWX6-2.2/4	76	21.0	8.0	1480	68.0	2.424	3	2.5	133
	92	25.5	7.7		73.0	2.639		2.6	
125TPW7-3/4	108	30.0	7.0		75.0	2.747		2.6	
	119	33.0	6.4		74.0	2.800		2.7	
125TWZ7-3/4	130	36.0	5.8		72.0	2.845		2.8	
125TWX7-3/4	77	21.4	10.0	1480	69.6	3.015	4	2.5	148
	94	26.0	9.6		73.6	3.323		2.6	
125TPW9-4/4	110	30.6	9.0		76.0	3.550		2.6	
	121	33.6	8.4		75.8	3.654		2.7	
125TWZ9-4/4	132	36.7	8.2		74.6	3.954		2.8	
125TWX9-4/4	91.0	25.3	12.2	1480	69.2	4.370	5.5	2.00	192
	110.5	30.7	11.8		76.3	4.655		2.20	
125TPW11-5.5/4	130.0	36.1	11.3		81.4	4.916		2.40	
	143.0	39.7	10.5		82.2	4.976		2.60	
125TWZ11-5.5/4	156.0	43.3	9.9		81.1	5.188		2.80	
125TWX11-5.5/4	105.0	29.2	14.0	1480	70.0	5.721	7.5	2.00	204
	127.5	35.4	13.6		77.0	6.135		2.20	
125TPW12-7.5/4	150.0	41.7	13.0		82.0	6.478		2.40	
	165.0	45.8	12.1		83.0	6.553		2.60	
125TWZ12-7.5/4	180.0	50.0	11.4		82.0	6.817		2.80	
125TWX12-7.5/4	100	27.8	16.0	1480	67.3	6.478	7.5	1.2	230
	121	33.6	15.2		71.7	6.990		1.4	
125TPW14-7.5/4	143	39.6	14.0		73.1	7.437		1.7	
	157	43.6	12.7		72.6	7.484		2.0	
125TWZ14-7.5/4	171	47.5	11.5		71.8	7.463		2.4	
125TWX14-7.5/4	109	30.1	18.3	1480	67.8	7.980	11	1.3	265
	132	36.7	18.1		72.0	9.042		1.8	
125TPW17-11/4	155	43.1	17.0		73.3	9.796		2.0	
	171	47.4	16.2		72.8	10.339		2.4	
125TWZ17-11/4	186	51.7	15.0		72.0	10.559		2.8	
125TWX17-11/4	119	33.1	22.4	1480	70.5	10.303	15	1.4	283
	145	40.1	21.4		74.0	11.387		1.7	
125TPW20-15/4	170	47.2	20.0		75.4	12.288		2.4	
	187	51.9	19.0		75.0	12.909		2.8	
125TWZ20-15/4	204	56.7	17.5		72.5	13.418		3.5	
125TWX20-15/4									457

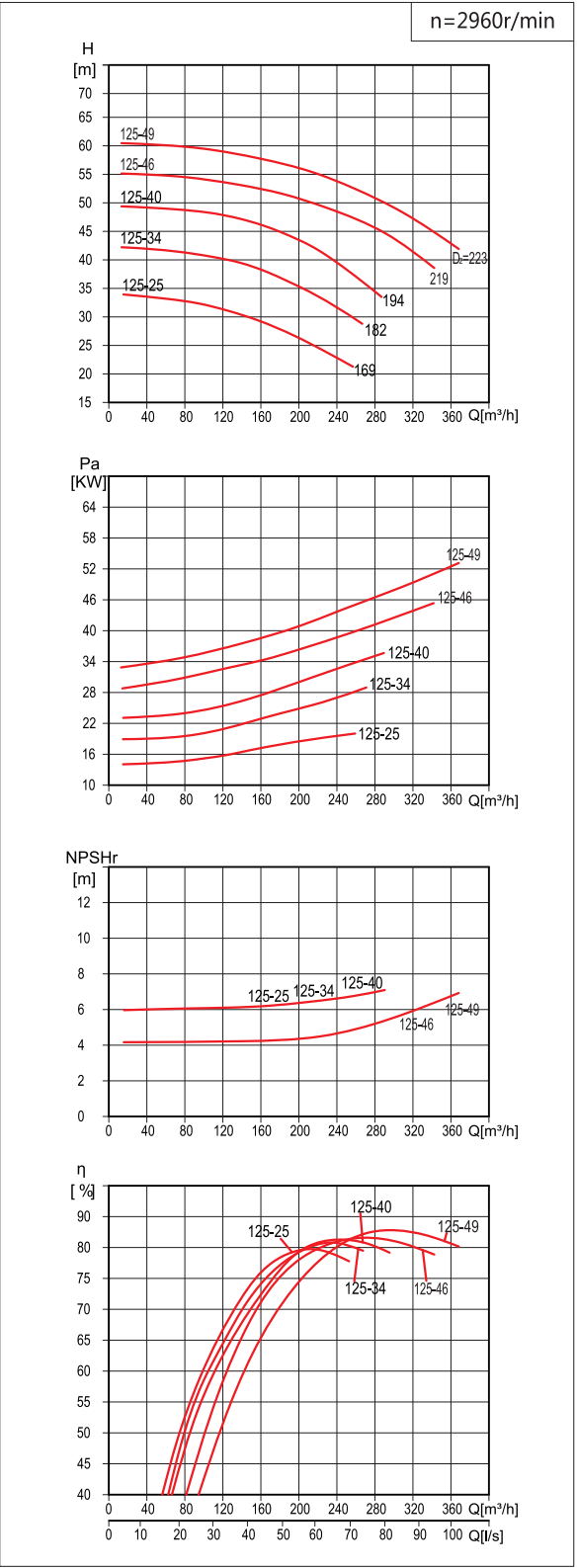
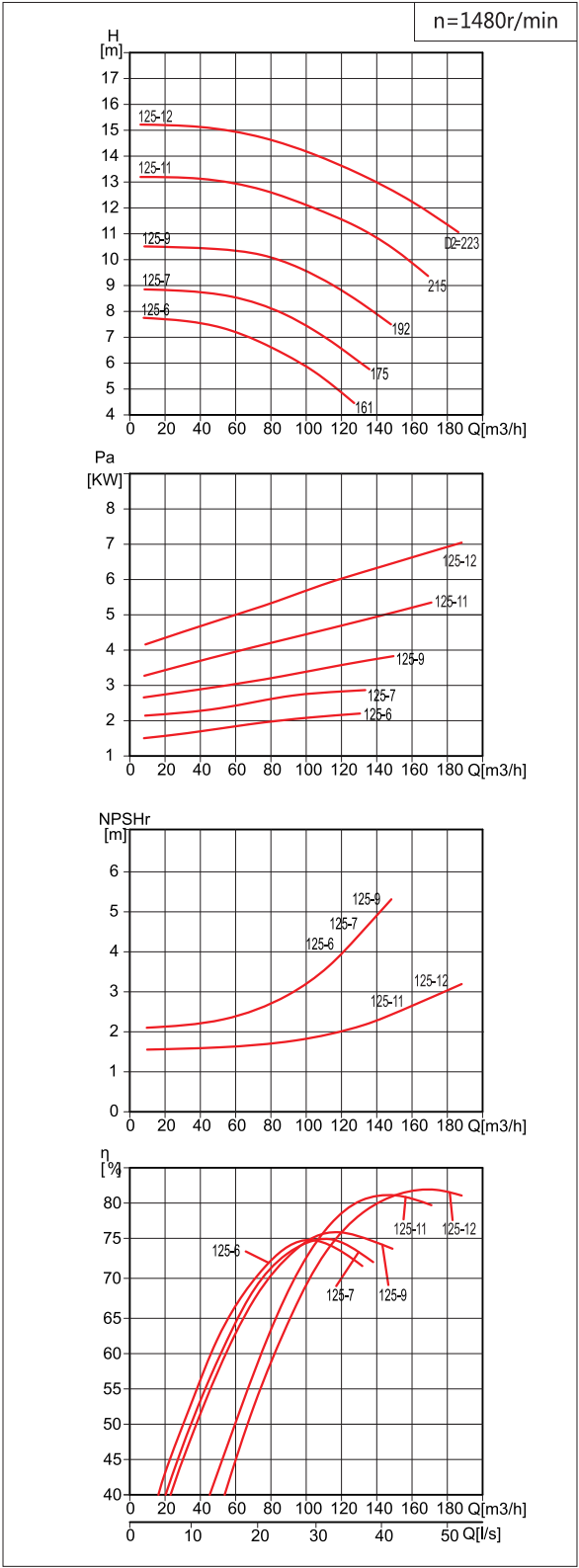
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
125TPW26-18.5/4 125TWZ26-18.5/4 125TWX26-18.5/4	126	35.0	28.7	1480	71.0	13.879	18.5	1.7	334 384 514
	153	42.5	27.6		74.1	15.529		2.0	
	180	50.0	26.0		75.0	17.004		2.6	
	198	55.0	24.5		74.0	17.863		3.5	
	216	60.0	23.0		73.3	18.469		4.4	
125TPW28-22/4 125TWZ28-22/4 125TWX28-22/4	137	37.9	31.4	1480	70.0	16.685	22	1.8	348 400 531
	166	46.0	30.0		74.5	18.188		2.4	
	195	54.2	28.0		75.0	19.838		3.4	
	215	59.6	26.3		74.1	20.746		4.3	
	234	65.0	24.4		72.7	21.401		4.8	
125TPW32-30/4 125TWZ32-30/4 125TWX32-30/4	140	38.9	34.5	1480	70.4	18.696	30	1.9	410 472 599
	170	47.2	33.2		74.5	20.644		2.5	
	200	55.6	31.6		75.4	22.841		3.6	
	220	61.1	30.1		75.6	23.869		4.4	
	240	66.7	28.4		75.2	24.699		6.0	
125TPW40-30/4 125TWZ40-30/4 125TWX40-30/4	133.0	36.9	41.5	1480	62.4	24.104	30	1.9	502 567 645
	161.5	44.9	41.0		65.5	27.547		2.2	
	190.0	52.8	40.0		74.3	27.873		3.1	
	209.0	58.1	38.4		73.9	29.594		4.0	
	228.0	63.3	36.2		73.4	30.642		4.8	
125TPW46-37/4 125TWZ46-37/4 125TWX46-37/4	143.5	39.9	48.9	1480	63.8	29.971	37	2.0	548 613 690
	174.3	48.4	48.1		66.7	34.242		2.4	
	205.0	56.9	46.0		75.6	33.990		3.5	
	225.5	62.6	44.7		74.8	36.721		4.4	
	246.0	68.3	42.1		74.6	37.831		6.6	
125TPW50-45/4 125TWZ50-45/4 125TWX50-45/4	154.0	42.8	52.8	1480	65.2	33.984	45	2.3	582 648 725
	187.0	51.9	52.0		69.3	38.237		3.0	
	220.0	61.1	50.0		76.2	39.337		4.1	
	242.0	67.2	48.8		74.8	43.023		5.2	
	264.0	73.3	46.3		73.5	45.317		7.5	
125TPW5-1.5/6 125TWZ5-1.5/6 125TWX5-1.5/6	56.0	15.6	5.4	985	66.2	1.244	1.5	0.7	156 187 260
	68.0	18.9	5.2		73.5	1.311		0.7	
	80.0	22.2	5.0		78.5	1.388		0.8	
	88.0	24.4	4.7		79.3	1.421		0.8	
	96.0	26.7	4.3		78.1	1.440		0.8	
125TPW6-2.2/6 125TWZ6-2.2/6 125TWX6-2.2/6	63	17.5	4.1	985	65	1.822	2.2	0.7	187 242 337
	77	21.4	6.9		68	2.006		0.7	
	90	25.0	6.5		71	2.073		0.8	
	99	27.5	6.0		69	2.150		0.9	
	108	30.0	5.5		66	2.185		1.0	
125TPW7-3/6 125TWZ7-3/6 125TWX7-3/6	77	21.4	4.9	985	66.0	2.480	3	0.7	202 242 354
	93	25.8	7.8		69.0	2.755		0.8	
	110	30.6	7.5		72.0	2.914		1.0	
	121	33.6	7.0		70.0	2.968		1.2	
	132	36.7	6.3		68.0	3.015		1.4	
125TPW8-4/6 125TWZ8-4/6 125TWX8-4/6	84	23.3	5.7	985	66.0	3.121	4	0.8	220 264 374
	102	28.3	9.0		69.0	3.464		1.0	
	120	33.3	8.6		72.0	3.633		1.2	
	132	36.7	8.0		70.0	3.803		1.4	
	144	40.0	7.4		67.0	3.983		1.6	
125TPW12-5.5/6 125TWZ12-5.5/6 125TWX12-5.5/6	84	23.3	6.8	985	70.0	4.251	5.5	1.2	240 276 396
	102	28.3	13.0		74.0	4.695		1.3	
	120	33.3	12.5		75.0	5.232		1.4	
	132	36.7	12.0		75.2	5.405		1.5	
	144	40.0	11.3		74.6	5.523		1.7	
125TPW14-7.5/6 125TWZ14-7.5/6 125TWX14-7.5/6	95	26.4	10.5	985	70.5	5.728	7.5	1.2	272 313 432
	114	31.7	15.6		74.9	6.180		1.3	
	135	37.5	14.9		75.4	6.831		1.6	
	149	41.4	14.0		74.6	7.130		1.8	
	162	45.0	13.1		73.2	7.358		2.0	
125TPW15-7.5/6 125TWZ15-7.5/6 125TWX15-7.5/6	84.0	38.9	16.3	985	63.8	5.848	7.5	1.4	295 342 440
	102.0	47.2	15.8		67.7	6.487		1.6	
	120.0	55.6	15.0		74.6	6.575		2.0	
	132.0	61.1	14.6		73.0	7.194		2.3	
	144.0	66.7	13.3		71.8	7.269		3.2	
125TPW20-11/6 125TWZ20-11/6 125TWX20-11/6	91.0	38.9	21.3	985	64.3	8.214	11	1.5	328 375 450
	110.5	47.2	20.8		68.2	9.183		1.8	
	130.0	55.6	20.0		75.2	9.422		2.2	
	143.0	61.1	19.6		73.6	10.377		2.6	
	156.0	66.7	18.3		72.5	10.730		3.5	

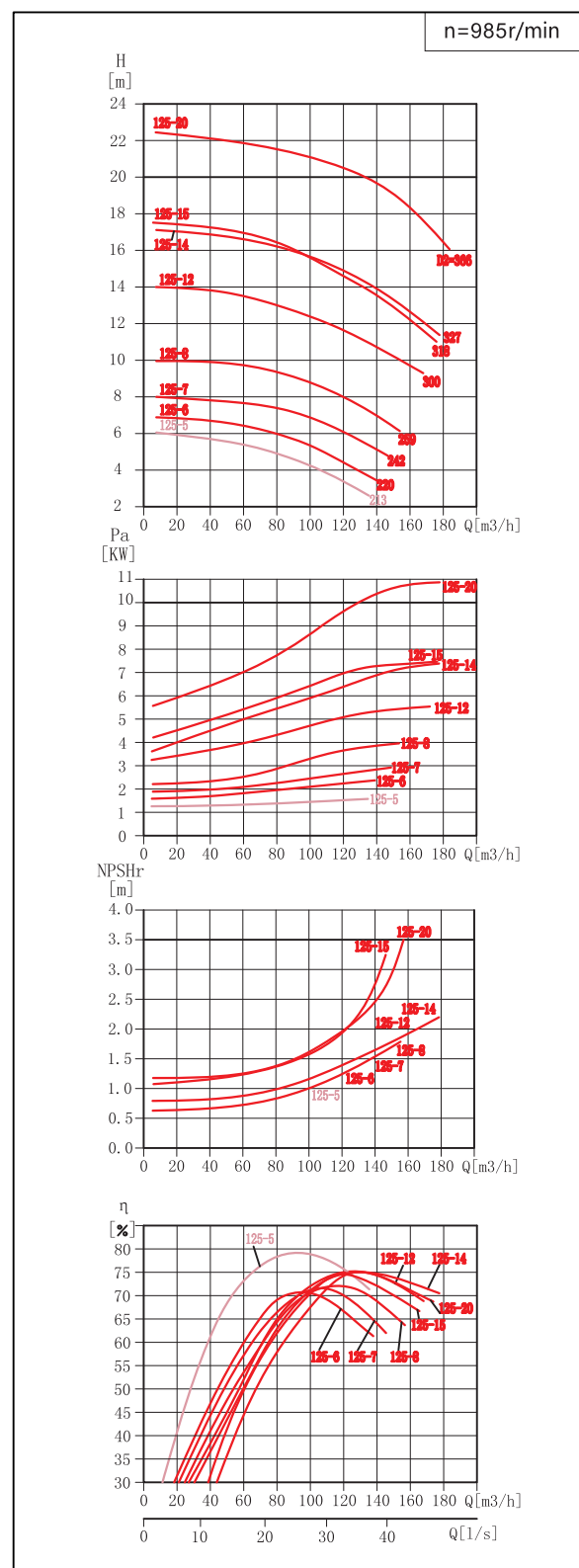
Characteristic curves



Characteristic curves



Characteristic curves



Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
150TWZ54-75/2 150TWX54-75/2	224.0	62.2	58.2	2980	56.6	62.746	75	7.20	860 970
	272.0	75.6	56.8		62.7	67.125		7.30	
	320.0	88.9	54.0		68.4	68.821		7.80	
	352.0	97.8	52.2		70.2	71.303		8.70	
	384.0	106.7	51.1		71.4	74.867		9.20	
150TWZ57-90/2 150TWX57-90/2	252.0	70.0	61.2	2980	61.5	68.314	90	7.40	940 1050
	306.0	85.0	59.4		64.3	77.007		7.40	
	360.0	100.0	57.0		71.2	78.511		8.60	
	396.0	110.0	54.6		71.4	82.494		9.00	
	432.0	120.0	51.8		72.0	84.667		9.40	
150TWZ64-110/2 150TWX64-110/2	280.0	77.8	68.9	2980	62.0	84.766	110	7.60	1060 1347
	340.0	94.4	65.3		69.0	87.655		7.80	
	400.0	111.1	63.6		73.0	94.935		8.90	
	440.0	122.2	59.0		73.8	95.826		9.20	
	480.0	133.3	57.5		73.8	101.879		9.60	
150TWZ74-132/2 150TWX74-132/2	308.0	85.6	82.5	2980	68.5	101.053	132	7.80	1180 1528
	374.0	103.9	78.6		72.0	111.223		8.00	
	440.0	122.2	74.0		76.5	115.946		8.80	
	484.0	134.4	69.5		76.8	119.317		9.40	
	528.0	146.7	65.2		76.6	122.430		9.80	
150TWZ80-160/2 150TWX80-160/2	336.0	93.3	87.0	2980	70.0	113.761	160	8.00	1270 1636
	408.0	113.3	84.0		74.0	126.166		8.40	
	480.0	133.3	80.0		77.5	134.978		9.20	
	528.0	146.7	73.2		77.0	136.738		9.60	
	576.0	160.0	68.0		76.5	139.477		11.00	
150TWX95-185/2	280.0	77.8	98.8	2980	59.5	126.658	185	11.00	2540
	340.0	94.4	97.8		64.1	141.317		15.00	
	400.0	111.1	95.2		69.0	150.342		17.00	
	440.0	122.2	93.3		70.5	158.628		19.00	
	480.0	133.3	91.4		71.8	166.455		24.00	
150TWX103-200/2	294.0	81.7	107.8	2980	61.7	139.931	200	6.40	2620
	357.0	99.2	106.6		66.4	156.132		7.60	
	420.0	116.7	103.2		71.0	166.305		8.70	
	462.0	128.3	101.5		71.8	177.917		9.60	
	504.0	140.0	99.5		73.3	186.373		10.50	
150TWX109-220/2	308.0	85.6	114.3	2980	62.5	153.444	220	6.60	2700
	374.0	103.9	113.6		68.4	169.211		8.00	
	440.0	122.2	109.3		71.2	184.004		9.00	
	484.0	134.4	107.9		72.9	195.152		10.00	
	528.0	146.7	105.8		73.5	207.046		11.00	
150TWX118-250/2	329.0	91.4	123.2	2980	65.8	167.809	250	7.40	2880
	399.5	111.0	120.4		69.4	188.807		8.40	
	470.0	130.6	118.0		73.5	205.554		9.80	
	517.0	143.6	115.5		75.1	216.604		10.80	
	564.0	156.7	113.2		76.4	227.649		12.60	
150TWX128-280/2	357.0	99.2	133.1	2980	68.2	189.800	280	7.80	3038
	433.5	120.4	130.0		70.5	217.759		9.00	
	510.0	141.7	127.8		74.2	239.293		10.60	
	561.0	155.8	123.3		77.0	244.720		12.40	
	612.0	170.0	118.5		76.8	257.242		16.80	
150TWX136-315/2	385.0	106.9	143.3	2980	69.2	217.187	315	7.80	3305
	467.5	129.9	140.4		74.1	241.304		9.00	
	550.0	152.8	136.0		77.8	261.912		10.60	
	605.0	168.1	132.3		78.5	277.766		12.40	
	660.0	183.3	126.6		78.3	290.703		16.80	

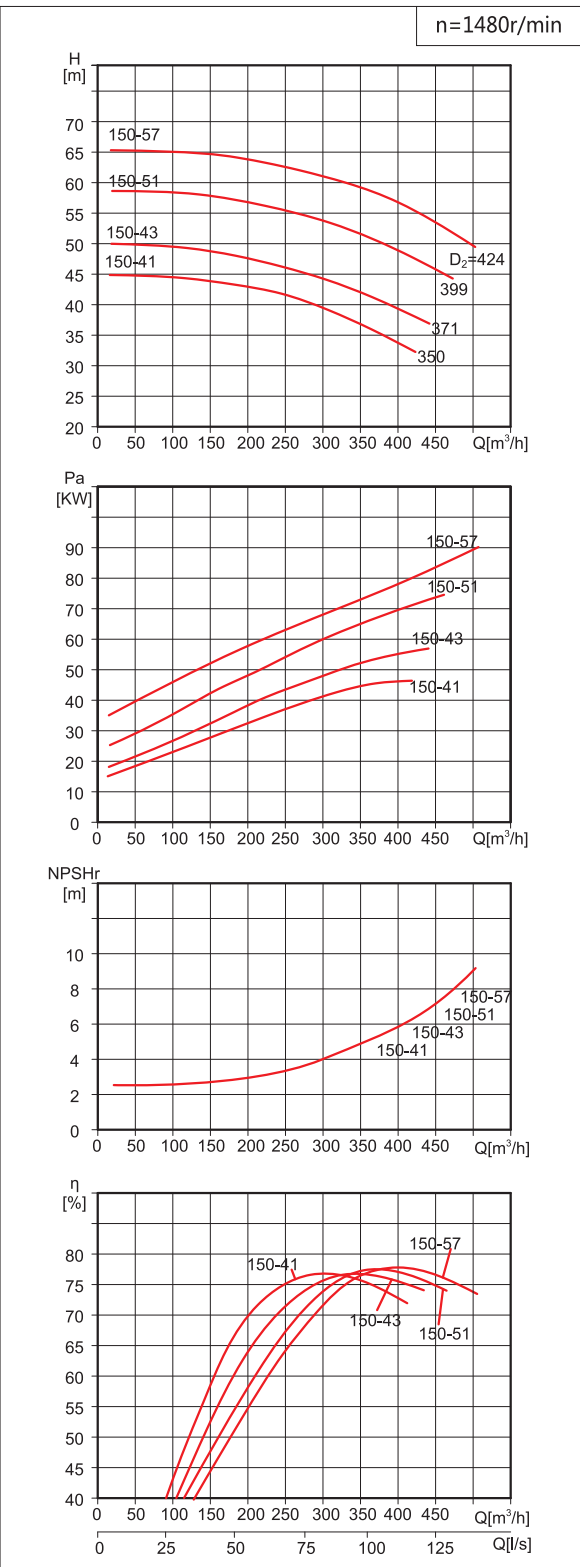
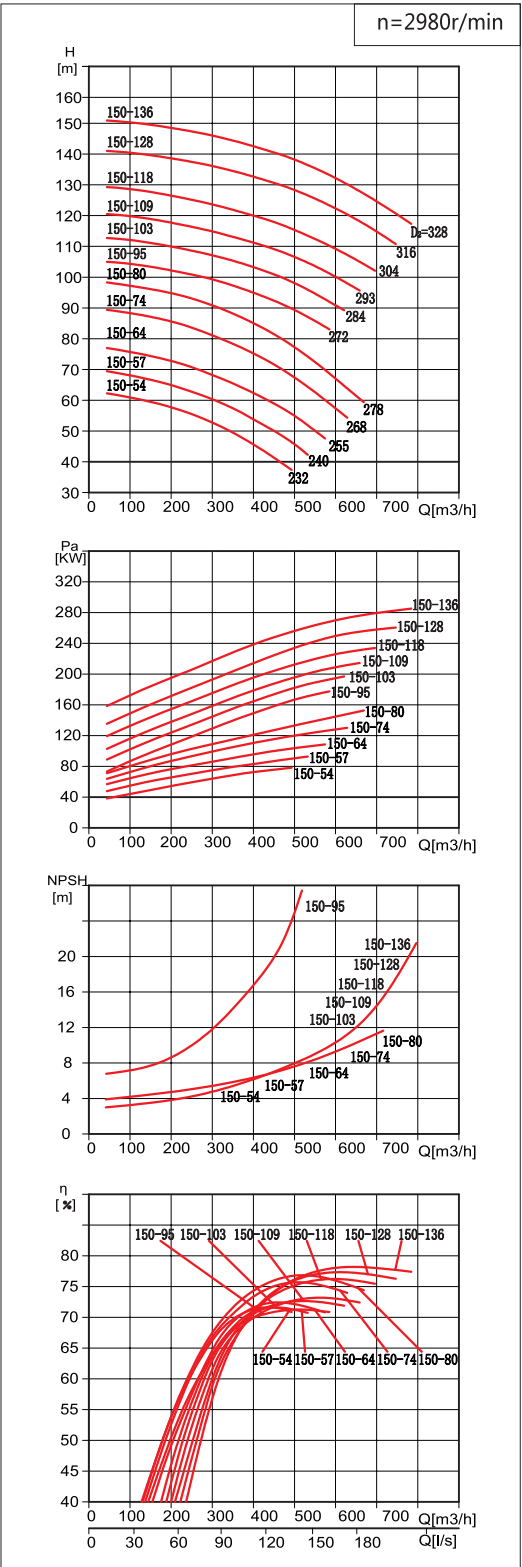
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
150TPW13-11/4 150TWZ13-11/4 150TWX13-11/4	161	44.7	15.0	1480	72.0	9.140	11	3.1	305 350 411
	196	54.4	14.3		76.9	9.932		3.7	
	230	63.9	13.0		77.9	10.459		4.3	
	253	70.3	11.8		75.4	10.789		4.8	
150TPW16-15/4 150TWZ16-15/4 150TWX16-15/4	276	76.7	11.0	1480	74.8	11.060	15	5.7	340 390 450
	182	50.6	19.0		72.2	13.051		3.5	
	221	61.4	17.7		78.4	13.596		4.2	
	260	72.2	16.0		78.8	14.386		4.9	
150TPW18-18.5/4 150TWZ18-18.5/4 150TWX18-18.5/4	286	79.4	15.0	1480	78.5	14.892	18.5	5.8	365 420 479
	312	86.7	13.8		78.2	15.004		6.5	
	196	54.4	21.5		74.3	15.455		3.7	
	238	66.1	20.3		77.2	17.054		4.4	
150TPW19-18.5/4 150TWZ19-18.5/4 150TWX19-18.5/4	280	77.8	18.0	1480	79.0	17.385	18.5	5.7	370 425 500
	308	85.6	16.4		78.0	17.647		6.5	
	336	93.3	14.1		73.0	17.685		7.2	
	175	48.6	20.7		70.4	14.022		4.4	
150TPW22-22/4 150TWZ22-22/4 150TWX22-22/4	213	59.2	20.0	1480	74.5	15.582	18.5	5.2	400 460 533
	250	69.4	19.0		76.2	16.987		6.2	
	275	76.4	18.2		76.8	17.759		7.2	
	300	83.3	17.0		76.2	18.238		8.0	
150TPW28-30/4 150TWZ28-30/4 150TWX28-30/4	182	50.6	23.7	1480	72.2	16.280	22	2.0	437 502 579
	221	61.4	23.0		77.1	17.965		2.5	
	260	72.2	22.0		79.0	19.730		3.0	
	286	79.4	21.0		79.1	20.691		3.5	
150TPW32-37/4 150TWZ32-37/4 150TWX32-37/4	312	86.7	20.0	1480	79.2	21.470	30	4.0	481 481 627
	196	54.4	29.6		72.5	21.806		2.1	
	238	66.1	29.2		77.7	24.373		2.8	
	280	77.8	28.0		79.2	26.975		3.3	
150TPW34-45/4 150TWZ34-45/4 150TWX34-45/4	308	85.6	26.8	1480	77.5	29.024	37	3.8	515 553 664
	336	93.3	25.5		76.6	30.480		4.8	
	210	58.3	34.7		72.5	27.389		2.3	
	255	70.8	33.8		77.7	30.228		2.8	
150TPW41-45/4 150TWZ41-45/4 150TWX41-45/4	300	83.3	32.0	1480	79.2	33.030	45	3.7	545 627 739
	330	91.7	30.3		77.5	35.158		4.8	
	360	100.0	28.4		76.4	36.466		5.6	
	231	64.2	37.0		74.0	31.474		2.7	
150TPW43-55/4 150TWZ43-55/4 150TWX43-55/4	281	78.1	35.5	1480	77.0	35.303	55	3.4	634 729 848
	330	91.7	34.0		79.7	38.362		4.5	
	363	100.8	32.4		78.0	41.089		5.6	
	396	110.0	30.4		75.3	43.565		8.0	
150TPW51-75/4 150TWZ51-75/4 150TWX51-75/4	203	56.4	41.7	1480	70.0	32.953	45	3.0	493 567 682
	247	68.6	40.7		74.6	36.721		3.3	
	290	80.6	39.3		77.0	40.334		3.7	
	319	88.6	38.2		76.0	43.693		4.1	
150TPW57-90/4 150TWZ57-90/4 150TWX57-90/4	348	96.7	36.0	1480	75.8	45.038	55	4.5	525 604 716
	238	66.1	46.5		71.7	42.061		3.2	
	289	80.3	45.0		75.9	46.691		3.7	
	340	94.4	43.0		78.0	51.076		4.4	
150TPW57-90/4 150TWZ57-90/4 150TWX57-90/4	374	103.9	41.0	1480	77.6	53.847	55	5.1	560 644 756
	408	113.3	38.7		77.2	55.734		5.8	

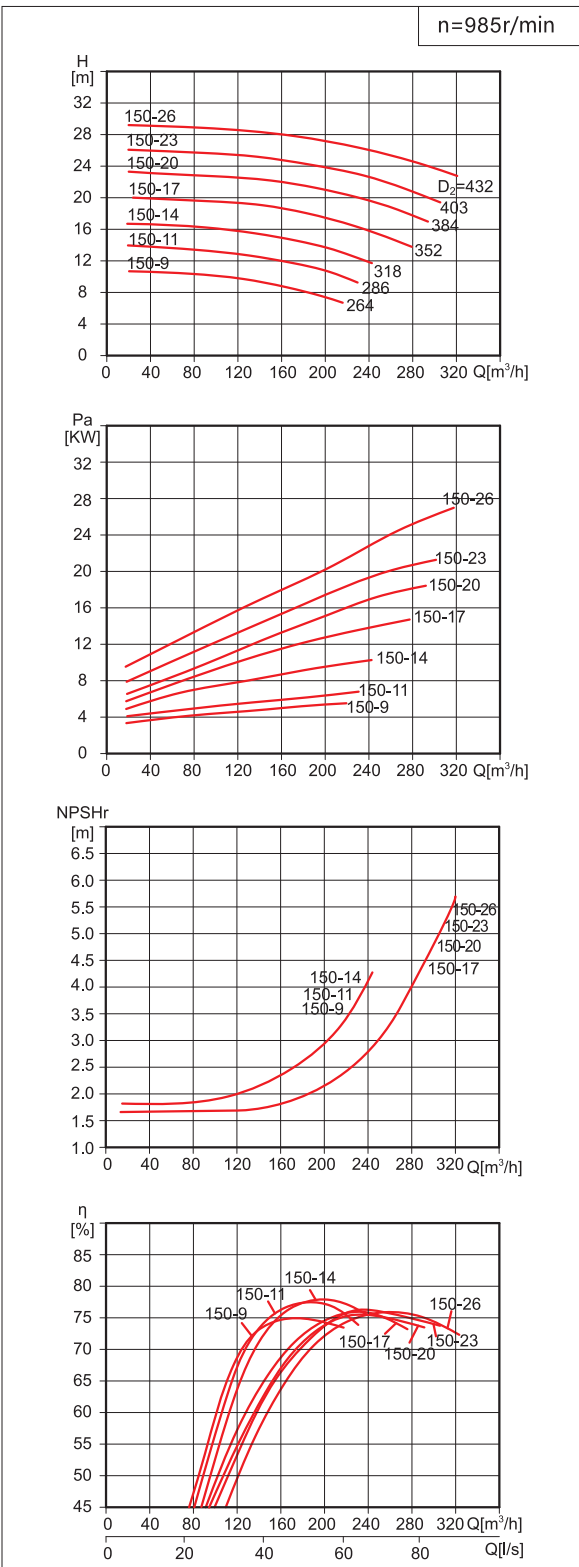
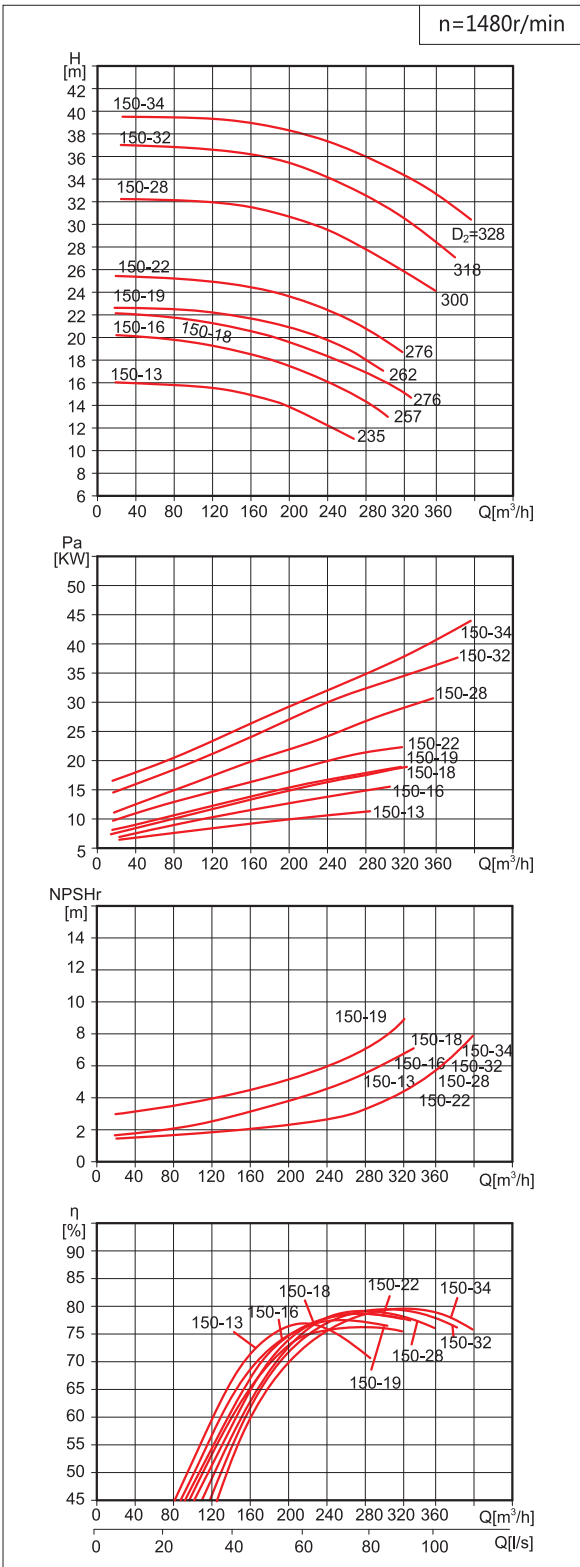
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
150TPW51-75/4 150TWZ51-75/4 150TWX51-75/4	252.0	70.0	55.3	1480	72.7	52.219	75	3.4	753 866 978
	306.0	85.0	53.7		75.9	58.978		4.1	
	360.0	100.0	51.2		78.0	64.374		5.1	
	396.0	110.0	50.0		76.8	70.232		5.8	
	432.0	120.0	45.4		74.9	71.333		7.0	
150TPW57-90/4 150TWZ57-90/4 150TWX57-90/4	280	77.8	61.0	1480	72.6	64.109	90	3.6	820 943 1052
	340	94.4	59.0		76.5	71.456		4.4	
	400	111.1	57.0		80.0	77.663		5.7	
	440	122.2	54.0		78.0	83.008		6.9	
	480	133.3	51.0		76.0	87.774		8.3	
150TPW4-2.2/6 150TWZ4-2.2/6 150TWX4-2.2/6	95	26.4	4.8	985	66.2	1.877	2.2	1.6	233 268 327
	115	31.9	4.4		68.2	2.022		1.6	
	135	37.5	4.0		71.2	2.067		1.7	
	149	41.4	3.7		69.7	2.155		1.8	
	162	45.0	3.3		68.2	2.136		1.9	
150TPW5-3/6 150TWZ5-3/6 150TWX5-3/6	111	30.8	5.8	985	70.5	2.488	3	1.6	237 273 334
	134	37.2	5.5		75.4	2.664		1.7	
	158	43.9	5.0		76.4	2.818		1.9	
	174	48.3	4.4		73.9	2.823		1.9	
	190	52.8	4.1		72.1	2.944		2.0	
150TPW6-4/6 150TWZ6-4/6 150TWX6-4/6	123	34.2	7.3	985	70.8	3.456	4	1.7	248 285 347
	149	41.4	6.8		77.0	3.586		1.8	
	175	48.6	6.0		77.4	3.697		1.9	
	193	53.6	5.6		76.9	3.830		2.0	
	210	58.3	5.2		76.6	3.885		2.2	
150TPW8-5.5/6 150TWZ8-5.5/6 150TWX8-5.5/6	130	36.1	9.6	985	71.0	4.782	5.5	1.7	260 299 360
	158	43.8	9.0		75.9	5.092		1.7	
	185	51.5	8.0		76.2	5.304		2.0	
	204	56.7	7.3		75.5	5.374		2.2	
150TPW9-5.5/6 150TWZ9-5.5/6 150TWX9-5.5/6	222	61.8	6.3	985	70.1	5.449	5.5	2.4	290 334 408
	111	30.8	9.7		69.2	4.240		1.9	
	134	37.2	9.4		73.3	4.683		2.1	
	158	43.9	9.0		75.0	5.167		2.3	
	174	48.3	8.6		75.6	5.394		2.6	
150TPW11-7.5/6 150TWZ11-7.5/6 150TWX11-7.5/6	190	52.8	8.0	985	75.3	5.501	7.5	2.8	320 368 442
	123	34.2	11.9		68.6	5.814		1.9	
	150	41.7	11.5		73.4	6.404		2.1	
	176	48.9	11.0		75.7	6.969		2.5	
	194	53.9	10.3		75.3	7.231		2.7	
150TPW14-11/6 150TWZ14-11/6 150TWX14-11/6	211	58.6	9.8	985	75.2	7.493	11	3.2	348 400 474
	140	38.9	15.2		71.3	8.132		2.0	
	170	47.2	14.8		76.5	8.965		2.3	
	200	55.6	14.0		78.0	9.793		2.7	
	220	61.1	13.3		76.3	10.428		3.1	
150TPW17-15/6 150TWZ17-15/6 150TWX17-15/6	240	66.7	12.4	985	75.2	10.818	15	4.2	448 515 627
	158	43.8	18.5		68.9	11.548		1.7	
	191	53.2	17.9		73.5	12.679		2.0	
	225	62.5	17.0		75.9	13.736		2.5	
	248	68.8	16.1		74.9	14.523		3.0	
150TPW20-18.5/6 150TWZ20-18.5/6 150TWX20-18.5/6	270	75.0	15.3	985	74.8	15.088	18.5	3.5	493 567 682
	165	45.8	21.5		68.9	14.024		1.9	
	201	55.7	20.8		73.4	15.530		2.4	
	236	65.5	20.0		75.8	16.926		3.2	
	260	72.1	19.1		74.8	18.058		3.8	
150TPW23-22/6 150TWZ23-22/6 150TWX23-22/6	283	78.5	17.9	985	74.7	18.432	22	4.5	525 604 716
	172	47.8	24.9		69.6	16.784		2.0	
	209	58.1	24.2		73.8	18.697		2.7	
	246	68.4	23.0		75.9	20.340		3.3	
	271	75.2	21.9		75.0	21.549		3.9	
150TPW26-30/6 150TWZ26-30/6 150TWX26-30/6	295	82.0	20.5	985	74.7	22.085	30	4.7	560 644 756
	185	51.5	27.7		69.6	20.108		2.3	
	225	62.5	26.8		73.5	22.370		3.0	
	265	73.6	26.0		76.7	24.466		3.8	
	291	80.9	24.7		74.8	26.217		4.6	
150TPW26-30/6	318	88.3	23.3	985	72.9	27.682	30	5.3	756

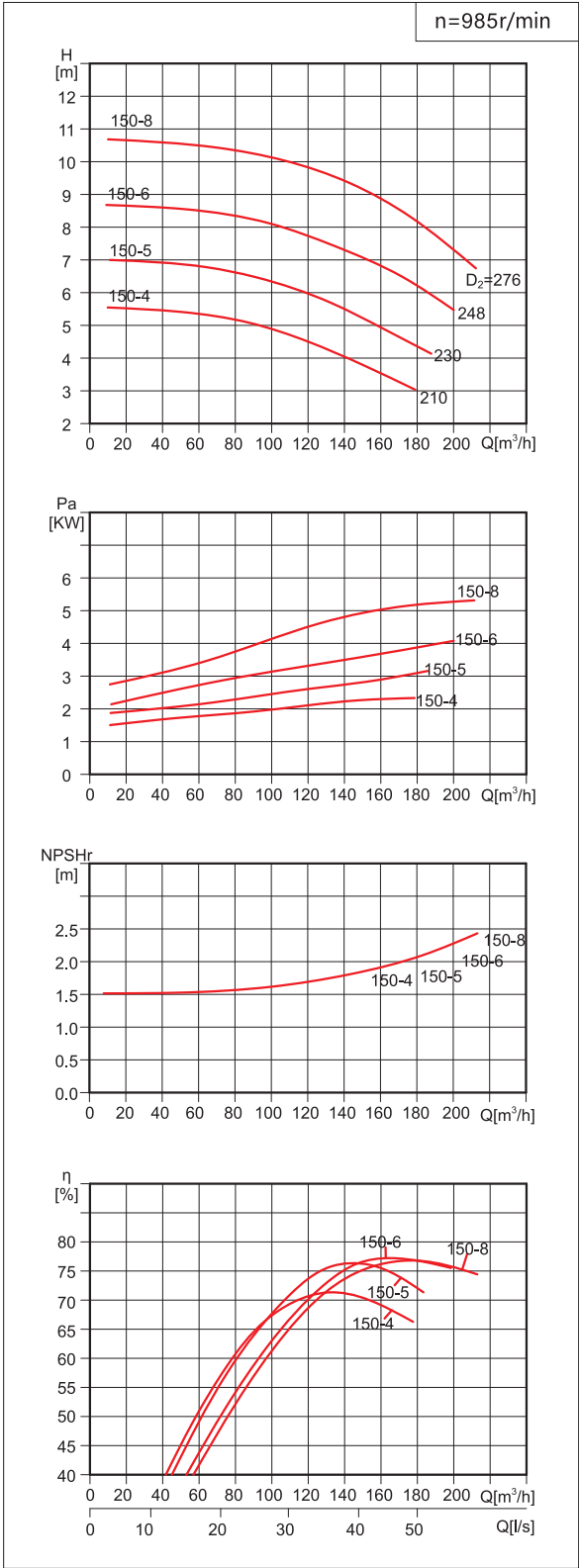
Characteristic curves



Characteristic curves



Characteristic curves



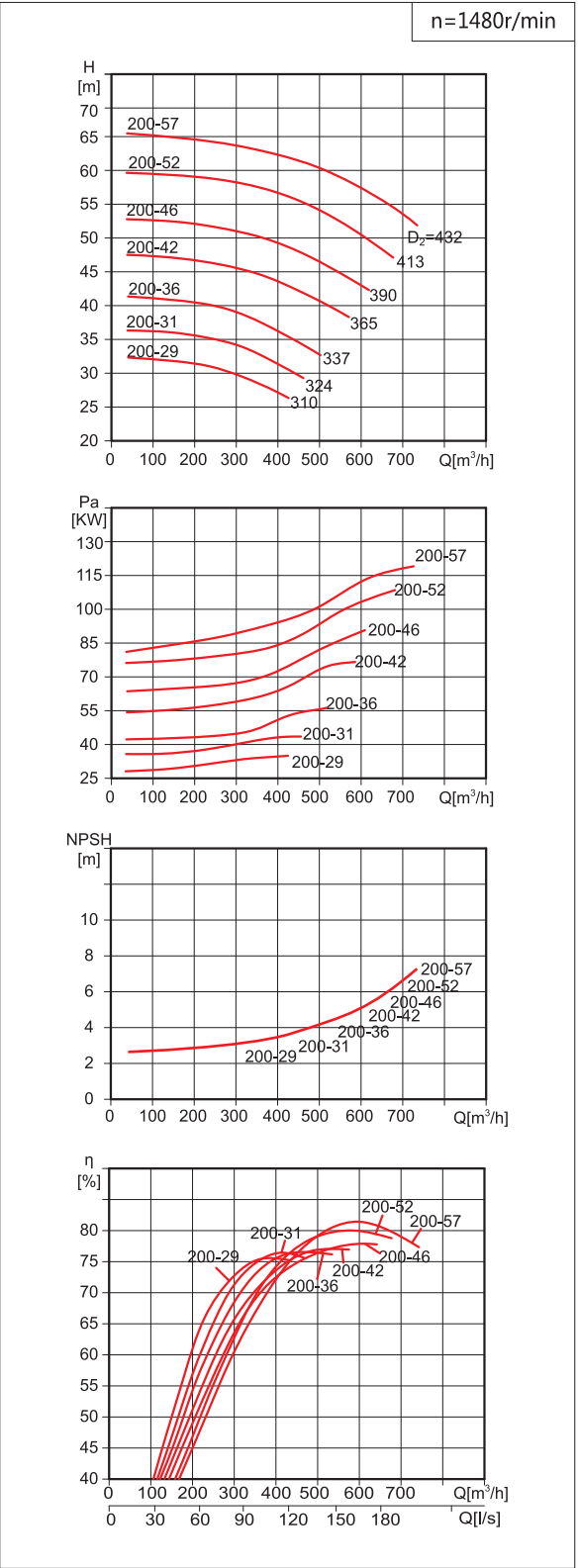
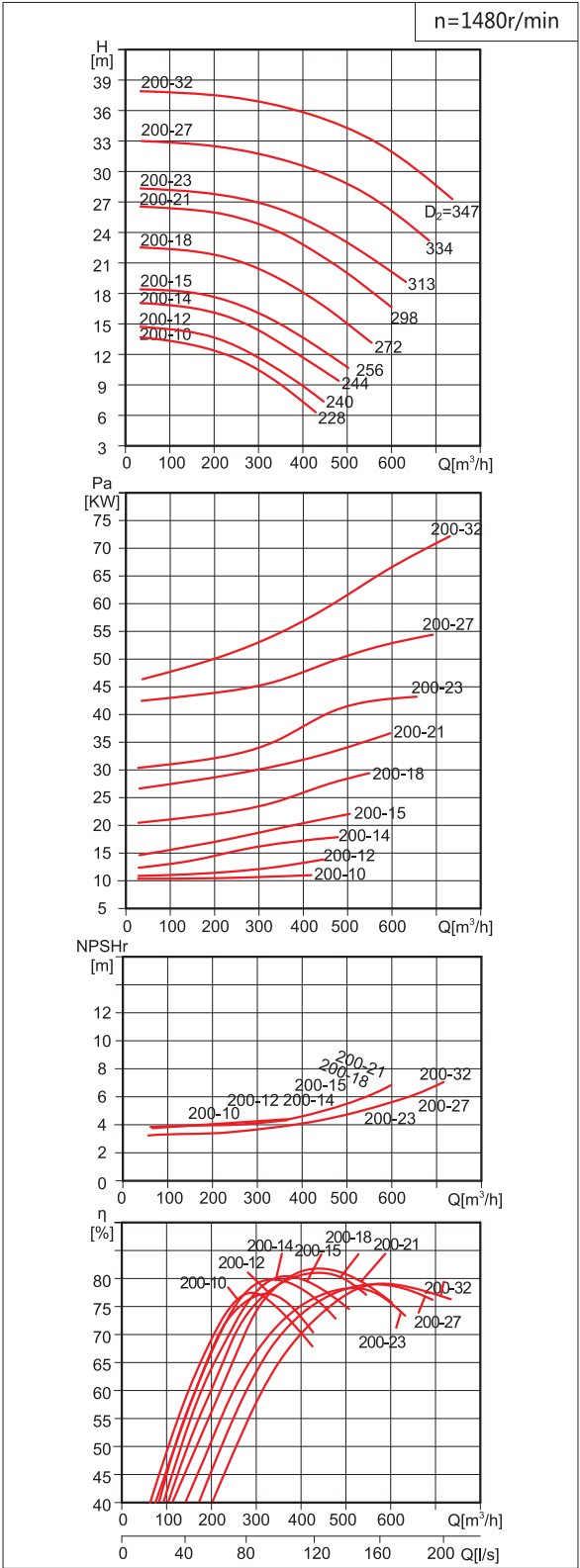
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH) _r (m)	Weight (kg)
	(m³/h)	(L/s)							
200TPW10-11/4 200TWZ10-11/4 200TWX10-11/4	210	58.3	12.6	1480	72.0	10.014	11	4.2	300 345 406
	255	70.8	11.3		76.0	10.332		4.2	
	300	83.3	10.0		78.0	10.481		4.3	
	330	91.7	8.7		75.0	10.431		4.7	
	360	100.0	7.4	1480	72.0	10.083	15	5.0	320 368 428
	217	60.3	14.9		73.1	12.053		4.2	
	264	73.3	13.9		77.8	12.853		4.2	
	310	86.1	12.0		78.9	12.848		4.5	
200TPW12-15/4 200TWZ12-15/4 200TWX12-15/4	341	94.7	10.7	1480	76.6	12.980	18.5	4.9	410 472 544
	372	103.3	9.5		72.0	13.375		5.5	
	235	65.3	15.4		72.0	13.697		5.0	
	285	79.2	14.8		77.0	14.927		6.0	
200TPW14-18.5/4 200TWZ14-18.5/4 200TWX14-18.5/4	335	93.1	14.0	1480	81.0	15.778	22	7.0	425 489 561
	369	102.5	13.0		79.0	16.547		8.0	
	402	111.7	12.0		76.0	17.297		9.0	
	263	73.1	16.6		73.5	16.186		5.0	
200TPW15-22/4 200TWZ15-22/4 200TWX15-22/4	319	88.6	16.0	1480	78.0	17.831	30	6.0	481 553 627
	375	104.2	15.0		82.0	18.693		7.0	
	413	114.7	13.9		79.4	19.702		8.0	
	450	125.0	12.9		77.0	20.544		9.0	
200TPW18-30/4 200TWZ18-30/4 200TWX18-30/4	294	81.7	20.5	1480	73.7	22.284	37	4.8	481 553 627
	357	99.2	19.5		78.8	24.074		5.5	
	420	116.7	18.0		82.5	24.971		6.2	
	462	128.3	16.9		81.0	26.267		6.9	
200TPW21-37/4 200TWZ21-37/4 200TWX21-37/4	504	140.0	15.5	1480	79.0	26.946	45	7.5	530 610 696
	326	90.6	24.0		78.2	27.264		5.2	
	395	109.7	21.8		81.5	28.791		5.6	
	465	129.2	21.0		83.0	32.060		6.0	
200TPW23-45/4 200TWZ23-45/4 200TWX23-45/4	512	142.2	19.4	1480	81.8	33.089	55	6.5	600 690 800
	558	155.0	17.7		79.7	33.769		7.0	
	350	97.2	26.6		72.0	35.236		4.2	
	425	118.1	25.0		77.0	37.601		5.2	
200TPW27-55/4 200TWZ27-55/4 200TWX27-55/4	500	138.9	23.0	1480	79.0	39.668	75	6.0	680 782 898
	550	152.8	21.5		78.0	41.312		6.7	
	600	166.7	19.5		76.0	41.951		7.3	
	385	106.9	31.0		73.3	44.370		4.7	
200TPW32-75/4 200TWZ32-75/4 200TWX32-75/4	468	130.0	29.6	1480	76.5	49.345	37	5.8	640 736 904
	550	152.8	27.0		80.0	50.583		6.7	
	605	168.1	25.0		79.5	51.844		7.3	
	660	183.3	21.6		73.7	52.710		8.1	
200TPW36-55/4 200TWZ36-55/4 200TWX36-55/4	420	116.7	35.3	1480	73.0	55.344	55	5.2	720 828 1000
	510	141.7	34.5		76.5	60.692		6.1	
	600	166.7	32.0		80.0	64.593		7.3	
	660	183.3	30.5		79.5	68.568		8.1	
200TPW29-37/4 200TWZ29-37/4 200TWX29-37/4	720	200.0	28.0	1480	73.7	70.431	45	9.5	560 645 816
	231	64.2	31.5		68.0	29.160		3.6	
	281	78.1	30.5		72.0	32.437		4.2	
	330	91.7	29.0		75.0	34.771		5.2	
200TPW31-45/4 200TWZ31-45/4 200TWX31-45/4	363	100.8	27.5	1480	76.0	35.793	55	5.7	640 736 904
	396	110.0	26		76.0	36.917		6.2	
	263	73.1	35.0		68.0	36.888		4.0	
	319	88.6	34.0		72.0	41.049		5.0	
200TPW33-55/4 200TWZ33-55/4 200TWX33-55/4	375	104.2	32.0	1480	75.0	43.600	37	6.0	640 736 904
	413	114.7	30.4		76.0	45.017		6.2	
	450	125.0	28.0		76.0	45.178		6.4	
	294	81.7	39.0		69.0	45.282		4.9	
200TPW36-55/4 200TWZ36-55/4 200TWX36-55/4	357	99.2	38.0	1480	73.0	50.640	55	5.8	720 828 1000
	420	116.7	36.0		76.0	54.213		6.3	
	462	128.3	34.0		77.0	55.590		6.5	
	504	140.0	31.0		77.0	55.293		6.8	

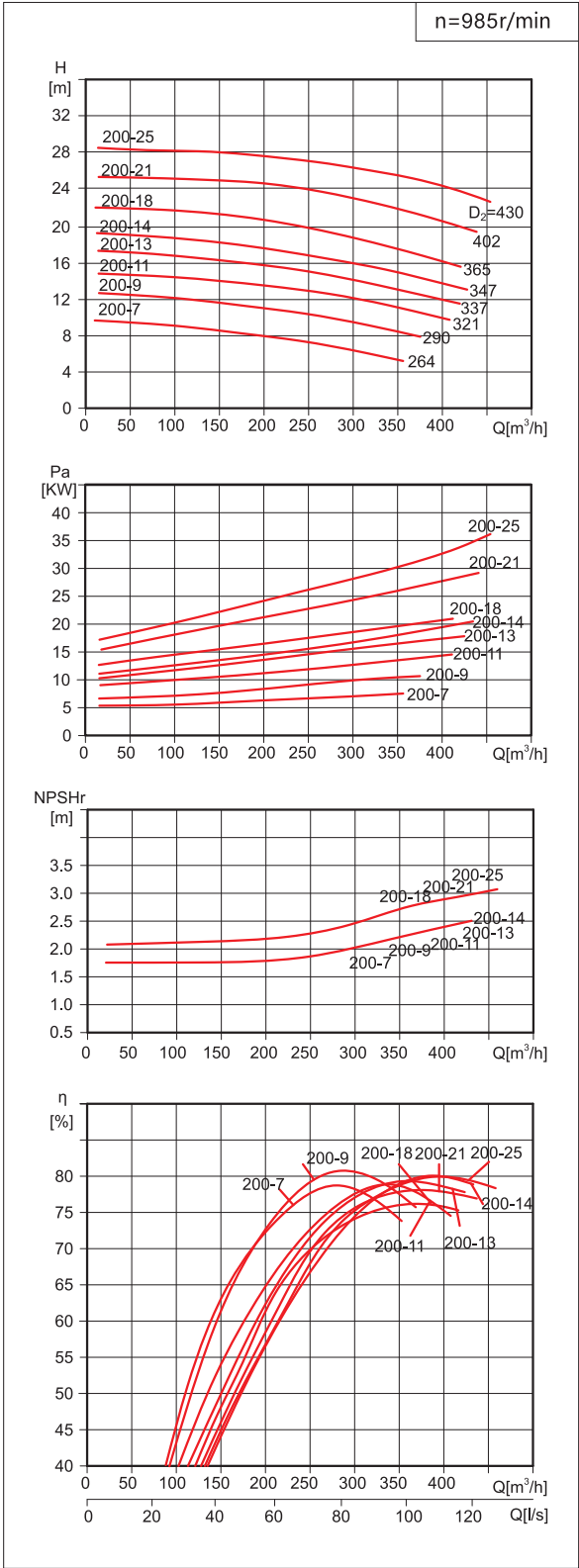
Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
200TPW42-75/4 200TWZ42-75/4 200TWX42-75/4	333	92.5	45.3	1480	70.0	58.723	75	4.0	780
	404	112.2	43.7		74.0	65.013		4.9	897
	475	131.9	42.1		77.0	70.770		5.4	1067
	523	145.3	40.8		78.0	74.548		5.7	
	570	158.3	38.5	1480	78.0	76.667	90	5.9	
	368	102.2	50.2		71.7	70.210		4.2	840
	446	123.9	48.7		75.0	78.917		5.3	965
	525	145.8	46.0		77.6	84.805		5.7	1134
200TPW46-90/4 200TWZ46-90/4 200TWX46-90/4	578	160.6	44.5	1480	78.5	89.286	110	6.0	
	630	175.0	42.6		79.0	92.574		6.6	
	396	110.0	57.5		74.3	83.510		4.8	1116
	481	133.6	55.5		78.5	92.669		5.5	1283
200TPW52-110/4 200TWZ52-110/4 200TWX52-110/4	566	157.2	52.0	1480	80.0	100.253	132	5.9	1475
	623	173.1	49.7		80.0	105.468		6.5	
	679	188.6	47.3		79.0	110.782		8.0	
	420	116.7	61.7		75.0	94.154		5.0	1250
200TPW57-132/4 200TWZ57-132/4 200TWX57-132/4	510	141.7	59.6	1480	79.0	104.847	7.5	5.8	1438
	600	166.7	57.0		81.0	115.056		6.2	1625
	660	183.3	54.2		80.0	121.848		7.3	
	720	200.0	51.4		79.0	127.654		10.0	
200TPW7-7.5/6 200TWZ7-7.5/6 200TWX7-7.5/6	195	54.1	8.0	985	69.0	6.151	11	1.7	368
	236	65.7	7.6		77.0	6.358		1.8	423
	278	77.3	7.0		80.0	6.631		1.9	495
	306	85.0	6.6		77.7	7.081		2.0	
200TPW9-11/6 200TWZ9-11/6 200TWX9-11/6	334	92.7	6.1	985	76.0	7.299	15	2.1	
	217	60.3	10.2		74.0	8.151		1.7	400
	264	73.3	9.6		80.0	8.633		1.9	460
	310	86.1	9.0		81.0	9.386		2.0	531
200TPW11-15/6 200TWZ11-15/6 200TWX11-15/6	341	94.7	8.3	985	78.0	9.888	18.5	2.1	
	372	103.3	7.6		76.0	10.137		2.2	
	245	68.1	12.5		70.0	11.922		1.8	475
	298	82.8	11.9		74.0	13.059		1.9	546
200TPW13-18.5/6 200TWZ13-18.5/6 200TWX13-18.5/6	350	97.2	11.0	985	78.0	13.450	22	2.1	658
	385	106.9	10.4		77.0	14.170		2.3	
	420	116.7	9.7		75.0	14.802		2.4	
	259	71.9	14.9		72.0	14.606		1.9	515
200TPW14-22/6 200TWZ14-22/6 200TWX14-22/6	315	87.5	14.1	985	76.0	15.925	22	2.1	592
	370	102.8	13.0		79.0	16.591		2.4	706
	407	113.1	12.1		78.0	17.205		2.4	
	444	123.3	11.1		76.0	17.671		2.6	
200TPW18-22/6 200TWZ18-22/6 200TWX18-22/6	280	77.8	15.5	985	71.0	16.616	30	1.9	546
	340	94.4	15.1		77.0	18.182		2.2	628
	400	111.1	14.0		80.0	19.097		2.4	740
	440	122.2	13.4		79.0	20.275		2.5	
200TPW21-30/6 200TWZ21-30/6 200TWX21-30/6	480	133.3	12.3	985	76.0	21.107	37	2.8	
	217	60.3	19.4		68.5	16.747		2.3	570
	264	73.3	18.7		72.5	18.556		2.4	656
	310	86.1	18.0		75.5	20.140		2.6	826
200TPW25-37/6 200TWZ25-37/6 200TWX25-37/6	341	94.7	17.5	985	76.5	21.257	37	2.8	
	372	103.3	16.5		76.5	21.722		2.9	
	262	72.8	23.4		73.1	22.873		2.4	630
	319	88.5	22.5		77.3	25.263		2.6	725
200TPW25-37/6 200TWZ25-37/6 200TWX25-37/6	375	104.1	21.0	985	78.8	27.217	37	2.9	893
	413	114.6	20.0		78.8	28.531		2.9	
	450	124.9	18.9		77.8	29.763		3.1	
	273	75.8	27.1		74.0	27.244		2.4	725
200TPW25-37/6 200TWZ25-37/6 200TWX25-37/6	332	92.2	26.1	985	78.0	30.273	37	2.7	834
	390	108.3	25.0		80.0	33.211		2.9	1006
	429	119.2	23.8		79.0	35.219		3.0	
	468	130.0	22.5		78.0	36.788		3.3	

Characteristic curves



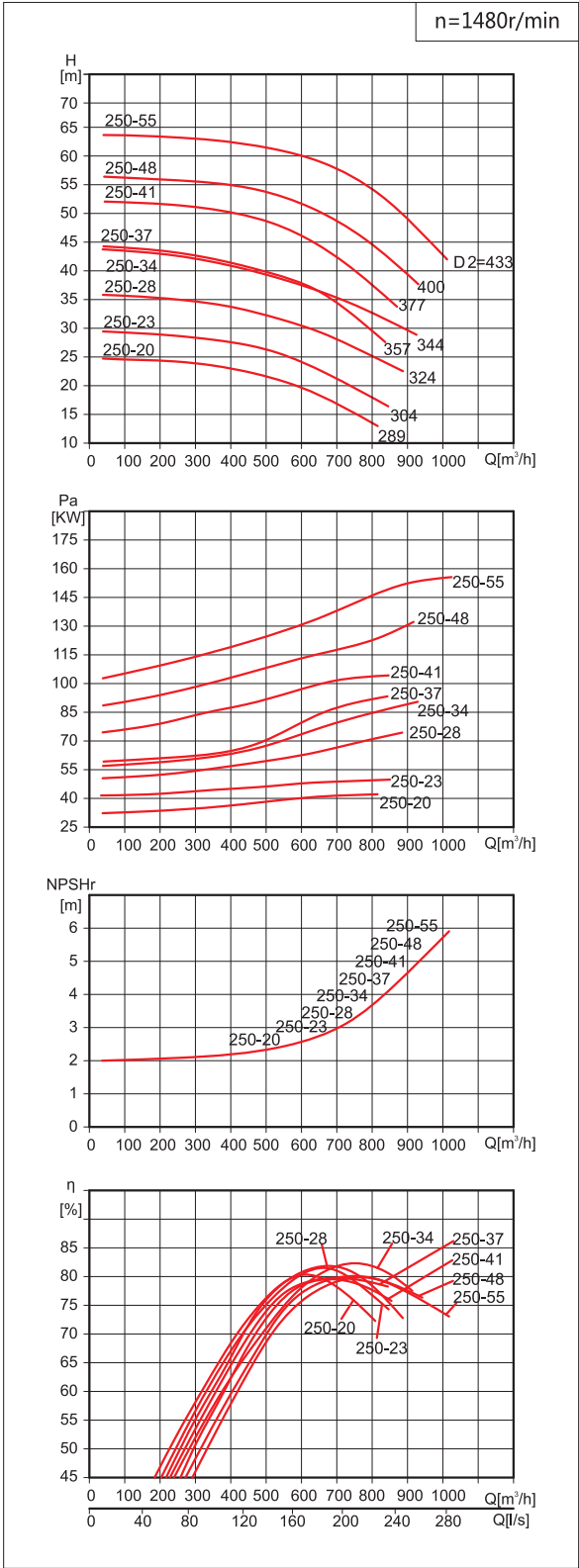
Characteristic curves



Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
250TPW20-45/4 250TWX20-45/4	420	116.7	23.3	1480	70	38.096	45	2.1	630 833
	510	141.7	21.7		77	39.166		2.3	
	600	166.7	20.0		81	40.370		2.5	
	660	183.3	18.5		80	41.590		2.8	
	720	200.0	16.5		76	42.596		3.2	
250TPW23-55/4 250TWX23-55/4	455	126.4	27.6	1480	73	46.877	55	2.2	740 964
	553	153.6	26.2		77	51.275		2.4	
	650	180.6	23.0		82	49.681		2.7	
	715	198.6	20.8		81	50.032		3.1	
	780	216.7	18.2		75	51.579		3.5	
250TPW28-75/4 250TWX28-75/4	490	136.1	32.5	1480	76	57.100	75	2.2	900 1169
	595	165.3	31.0		81	62.053		2.5	
	700	194.4	28.0		82	65.134		3.0	
	770	213.9	25.5		77	69.488		3.4	
	840	233.3	23.5		72	74.710		4.0	
250TPW34-90/4 250TWX34-90/4	525	145.8	38.0	1480	73	74.471	90	2.4	1000 1279
	638	177.2	36.0		79	79.225		2.7	
	750	208.3	34.0		83	83.720		3.3	
	825	229.2	32.0		82	87.732		3.8	
	900	250.0	29.5		81	89.319		4.5	
250TPW37-90/4 250TWX37-90/4	462	128.3	39.7	1480	72.5	68.938	90	2.1	1150 1495
	561	155.8	38.3		76.0	77.040		2.4	
	660	183.3	37.0		78.6	84.662		2.6	
	726	201.7	35.1		78.7	88.234		3.1	
	792	220.0	32.5		78.8	89.012		3.6	
250TPW41-110/4 250TWX41-110/4	490	136.1	49.0	1480	74.0	88.415	110	2.2	1400 1785
	595	165.3	45.5		78.0	94.580		2.5	
	700	194.4	42.0		79.0	101.411		3.0	
	770	213.9	38.0		78.5	101.571		3.5	
	840	233.3	34.5		75.0	105.294		4.0	
250TPW48-132/4 250TWX48-132/4	504	140.0	54.5	1480	71.5	104.686	132	2.2	1450 1843
	612	170.0	52.3		76.5	114.014		2.6	
	720	200.0	48.0		80.0	117.720		3.1	
	792	220.0	45.0		78.0	124.512		3.6	
	864	240.0	41.7		76.0	129.182		4.3	
250TPW55-160/4 250TWX55-160/4	560	155.6	61.0	1480	75.0	124.115	160	2.4	1550 1951
	680	188.9	58.0		79.4	135.358		2.9	
	800	222.2	55.0		82.0	146.220		3.7	
	880	244.4	50.0		79.5	150.818		4.4	
	960	266.7	45.0		76.0	154.895		5.2	

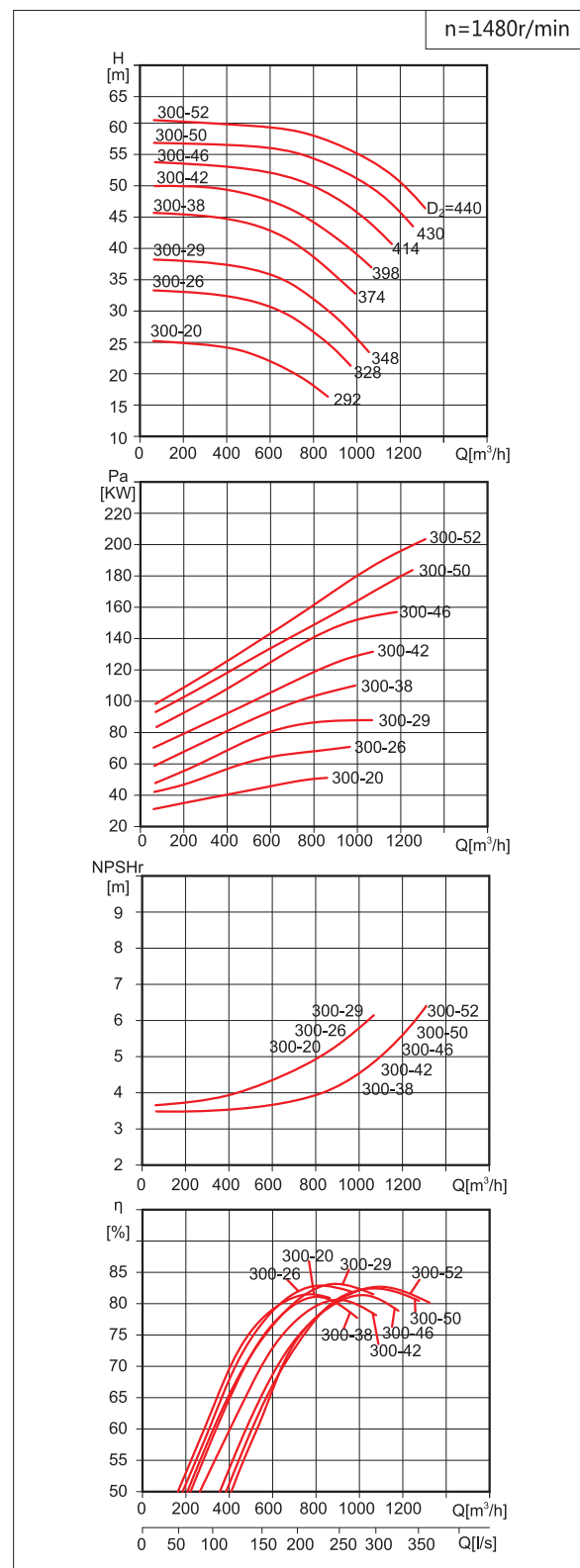
Characteristic curves



Parameters table

Type	Capacity Q		Head H (m)	Speed n (r/min)	Eff. η (%)	Motor Power Pa (kW)	Motor Power PM (kW)	(NPSH)r (m)	Weight (kg)
	(m³/h)	(L/s)							
300TPW20-55/4 300TWX20-55/4	504	140.0	24.0	1480	75.0	43.949	55	8.3	850 1115
	612	170.0	22.5		80.0	46.904		9.2	
	720	200.0	20.0		82.0	47.854		10.2	
	792	220.0	18.5		81.0	49.292		10.9	
	864	240.0	17.0	1480	80.0	50.031	75	11.5	1010 1290
	581	161.4	31.1		76.0	64.787		8.0	
	706	196.1	28.5		81.0	67.691		8.8	
	830	230.6	26.0		83.0	70.850		10.2	
300TPW26-75/4 300TWX26-75/4	913	253.6	23.5	1480	82.0	71.300	90	10.7	1110 1400
	996	276.7	21.5		81.0	72.041		11.7	
	637	176.9	36.1		77.0	81.381		7.4	
	774	215.0	32.9		82.0	84.623		8.3	
300TPW29-90/4 300TWX29-90/4	910	252.8	29.0	1480	85.0	84.603	110	9.8	1520 1915
	1001	278.1	25.6		83.0	84.132		10.7	
	1092	303.3	21.9		78.0	83.549		12.0	
	560	155.6	43.7		74.0	90.116		8.0	
300TPW38-110/4 300TWX38-110/4	680	188.9	41.6	1480	79.0	97.576	132	8.2	1620 2028
	800	222.2	38.0		81.0	102.272		9.1	
	880	244.4	35.1		80.0	105.212		9.8	
	960	266.7	32.2		77.0	109.396		10.5	
300TPW42-132/4 300TWX42-132/4	616	171.1	47.7	1480	74.0	108.202	160	7.4	2150 2601
	748	207.8	45.6		79.0	117.654		8.2	
	880	244.4	42.0		81.0	124.341		9.5	
	968	268.9	38.9		80.0	128.263		10.0	
300TPW46-160/4 300TWX46-160/4	1056	293.3	35.2	1480	77.0	131.547	185	11.0	2200 2655
	687	190.8	51.7		73.0	132.584		7.2	
	835	231.9	49.6		78.0	144.691		8.1	
	982	272.8	46.0		81.0	151.968		9.4	
300TPW50-185/4 300TWX50-185/4	1080	300.0	42.9	1480	82.0	153.969	200	10.3	2020 2460
	1178	327.2	39.2		81.0	155.351		11.5	
	724	201.1	55.0		77.0	140.921		7.0	
	880	244.4	53.3		81.0	157.794		8.0	
300TPW52-200/4 300TWX52-200/4	1035	287.5	50.0	1480	83.0	169.902		9.3	
	1139	316.4	47.0		82.0	177.899		10.5	
	1242	345.0	44.6		81.0	186.354		12.0	
	766	212.8	57.6		78.0	154.143		6.8	
	930	258.3	56.0	1480	82.0	173.071		8.0	
	1094	303.9	52.0		84.0	184.548		9.8	
	1203	334.2	50.0		83.0	197.480		11.2	
	1313	364.	45.0		81.0	198.774		12.5	

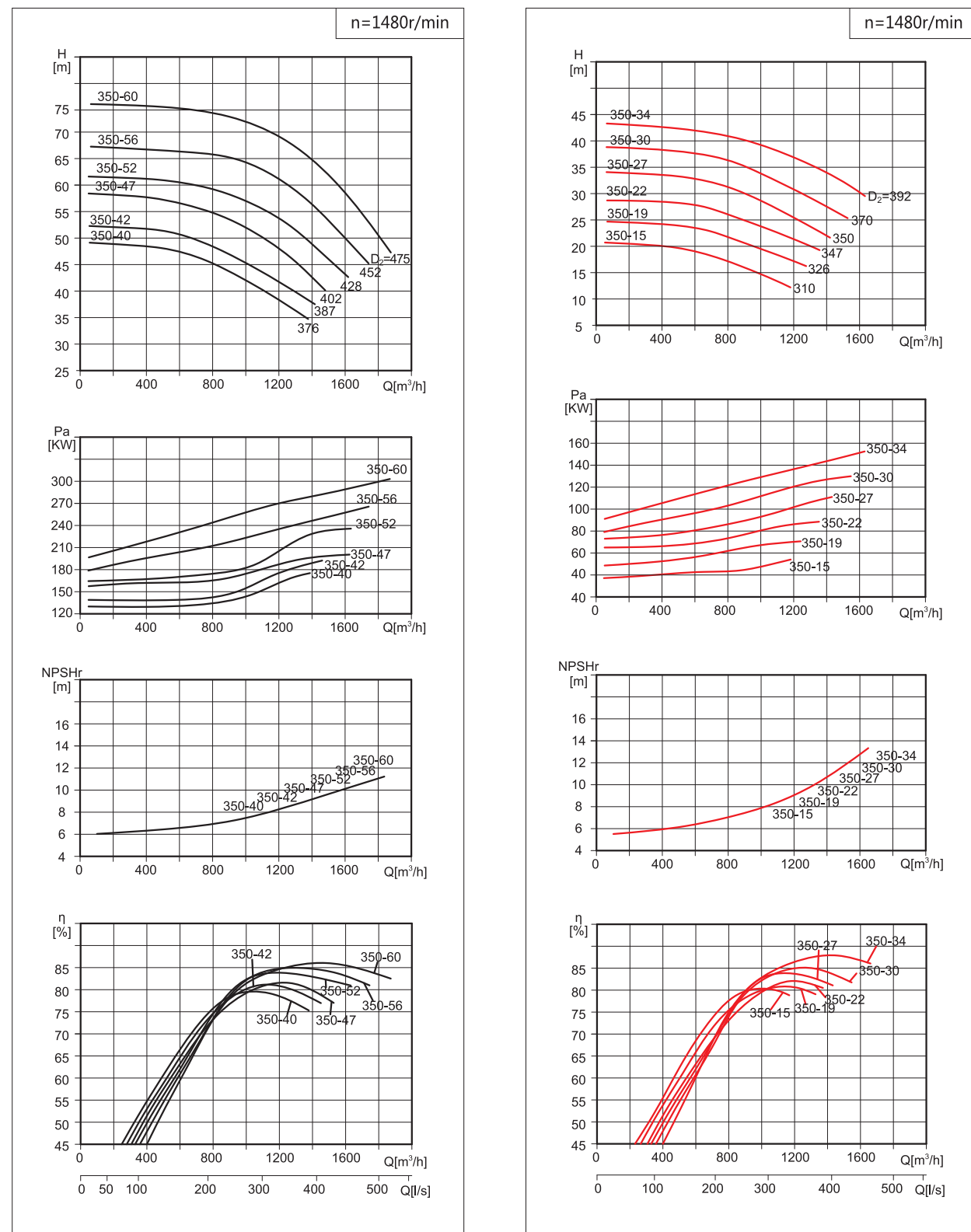
Characteristic curves



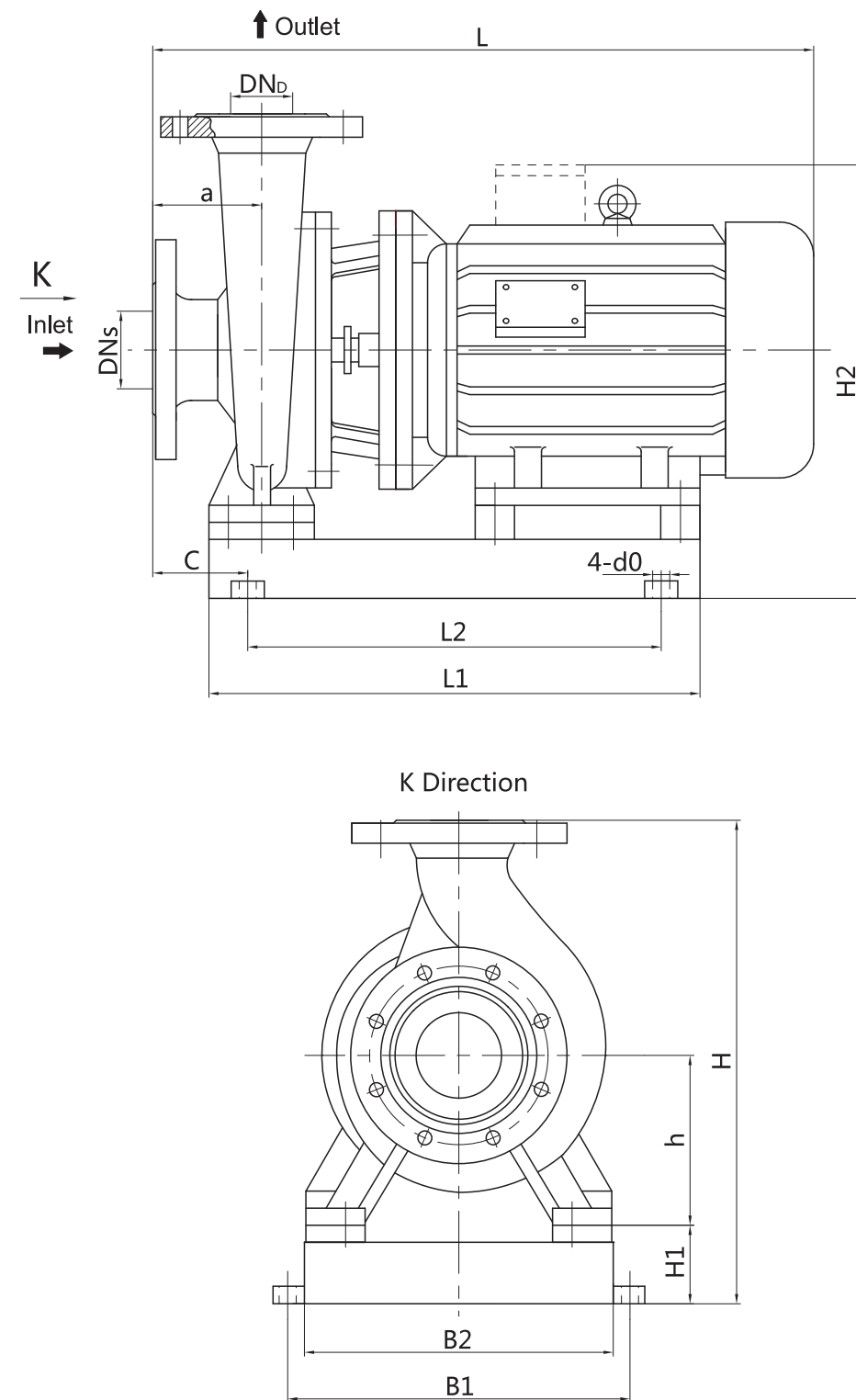
Parameters table

型 号 Type	流量 Capacity Q		扬程 Head H (m)	转速 Speed n (r/min)	泵效率 Eff. η (%)	轴功率 Motor Power Pa (kW)	电机功率 Motor Power PM (kW)	汽蚀余量 (NPSH)r (m)	重量 Weight (kg)
	(m³/h)	(L/s)							
350TPW15-55/4 350TWX15-55/4	672	186.7	17.0	1480	72.0	43.237	55	8.5	1450 1764
	816	226.7	16.0		77.0	46.205		9.3	
	960	266.7	15.0		80.0	49.050		10.2	
	1056	293.3	14.0		80.0	50.358		11.0	
	1152	320.0	13.0		79.0	51.658		12.0	
350TPW19-75/4 350TWX19-75/4	742	206.1	21.5	1480	71.0	61.228	75	8.9	1590 1917
	901	250.3	20.0		78.0	62.954		9.9	
	1060	294.4	19.0		81.0	67.755		11.0	
	1166	323.9	18.0		81.0	70.608		12.1	
	1272	353.3	17.0		80.0	73.657		12.5	
350TPW22-90/4 350TWX22-90/4	840	233.3	25.0	1480	75.0	76.300	90	9.5	1680 2016
	1020	283.3	23.5		80.0	81.648		10.8	
	1200	333.3	22.0		83.0	86.675		12.3	
	1320	366.7	20.0		82.5	87.200		13.0	
	1440	400.0	17.0		80.0	83.385		14.0	
350TPW27-110/4 350TWX27-110/4	798	221.7	31.5	1480	75.0	91.331	110	12.0	2010 2445
	969	269.2	29.0		81.0	94.537		12.8	
	1140	316.7	27.0		84.0	99.852		14.5	
	1254	348.3	25.5		83.5	104.356		15.5	
	1368	380.0	23.0		82.0	104.560		16.5	
350TPW30-132/4 350TWX30-132/4	889	246.9	35.0	1480	80.0	105.985	132	13.0	2140 2590
	1080	300.0	32.0		84.0	112.114		14.0	
	1270	352.8	30.0		85.0	122.144		15.0	
	1397	388.1	28.0		84.0	126.894		16.0	
	1524	423.3	25.5		83.0	127.589		17.0	
350TPW34-160/4 350TWX34-160/4	980	272.2	39.0	1480	83.0	125.481	160	13.2	2220 2676
	1190	330.6	37.0		86.0	139.514		14.4	
	1400	388.9	34.0		88.0	147.398		16.0	
	1540	427.8	31.0		87.0	149.530		17.3	
	1680	466.7	28.0		83.0	154.439		18.5	
350TPW40-185/4 350TWX40-185/4	805	223.6	46.0	1480	76.0	132.772	185	8.6	2260 2728
	978	271.7	43.0		79.0	145.060		9.5	
	1150	319.4	40.0		80.0	156.688		10.3	
	1265	351.4	38.0		78.0	167.937		10.8	
	1380	383.3	36.0		76.0	178.129		11.4	
350TPW42-200/4 350TWX42-200/4	840	233.3	48.0	1480	77.0	142.691	200	8.6	2330 2804
	1020	283.3	45.0		80.0	156.347		9.3	
	1200	333.3	42.0		81.0	169.556		10.3	
	1320	366.7	40.0		79.0	182.127		11.2	
	1440	400.0	38.0		77.0	193.652		11.7	
350TPW47-220/4 350TWX47-220/4	875	243.1	53.0	1480	76.0	166.279	220	8.8	2500 3002
	1063	295.3	50.0		81.0	178.807		9.6	
	1250	347.2	47.0		82.0	195.236		10.7	
	1375	381.9	43.0		80.5	200.144		11.3	
	1500	416.7	39.0		79.0	201.788		12.0	
350TPW52-250/4 350TWX52-250/4	910	252.8	57.0	1480	81.0	174.501	250	9.0	2650 3164
	1105	306.9	55.0		83.0	199.532		10.0	
	1300	361.1	52.0		84.0	219.298		11.0	
	1430	397.2	49.0		83.0	230.049		11.6	
	1560	433.3	44.5		82.0	230.695		12.4	
350TPW56-280/4 350TWX56-280/4	980	272.2	65.0	1480	82.0	211.686	280	9.6	2770 3293
	1190	330.6	61.0		85.0	232.715		10.2	
	1400	388.9	56.0		85.5	249.871		11.7	
	1540	427.8	51.0		85.0	251.790		12.2	
	1680	466.7	47.0		82.0	262.398		12.8	
350TPW60-315/4 350TWX60-315/4	1050	291.7	72.5	1480	82.0	252.976	315	9.7	2880 3412
	1275	354.2	67.5		85.0	275.906		10.8	
	1500	416.7	60.0		87.0	281.897		12.0	
	1650	458.3	56.5		86.0	295.393		12.6	
	1800	500.0	50.0		82.0	299.085		13.7	

Characteristic curves



TPW Outline Installation Dimension Figure



TPW Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4-φ ₀	C
32TPW12-0.75/2	80M	457	250	330	314	40	32	90	390	340	290	60	120	4-φ14	65
32TPW15-1.1/2	80M	457	250	330	314	40	32	90	390	340	290	60	120	4-φ14	65
32TPW20-1.5/2	90S	467	250	330	340	40	32	90	390	340	290	60	120	4-φ14	65
32TPW27-2.2/2	90L	497	250	362	352	40	32	90	390	340	290	60	132	4-φ14	65
32TPW35-3/2	100L	542	250	362	362	40	32	90	460	410	290	60	132	4-φ14	65
32TPW36-4/2	112M	562	250	400	408	40	32	100	460	410	290	60	160	4-φ14	75
32TPW46-5.5/2	132S	612	330	400	433	40	32	100	460	410	370	60	160	4-φ16	75
32TPW12-0.75/4	80M	467	250	400	354	40	32	100	390	340	290	60	160	4-φ14	75
40TPW14-1.1/2	80M	458	250	352	326	50	40	90	390	340	290	60	132	4-φ14	65
40TPW18-1.5/2	90S	468	250	352	352	50	40	90	390	340	290	60	132	4-φ14	65
40TPW23-2.2/2	90L	493	250	352	352	50	40	90	390	340	290	60	132	4-φ14	65
40TPW28-3/2	100L	544	250	362	362	50	40	90	460	410	290	60	132	4-φ14	65
40TPW34-4/2	112M	559	250	362	380	50	40	90	460	410	290	60	132	4-φ14	65
40TPW35-5.5/2	132S	617	330	440	433	50	40	100	460	410	370	60	160	4-φ16	75
40TPW43-7.5/2	132S	617	330	440	433	50	40	100	460	410	370	60	160	4-φ16	75
40TPW9-0.75/4	80M	472	250	440	354	50	40	100	390	340	290	60	160	4-φ14	75
40TPW12-1.1/4	90S	482	250	440	380	50	40	100	390	340	290	60	160	4-φ14	75
50TPW14-1.1/2	80M	461	250	362	326	65	50	90	390	340	290	60	132	4-φ14	65
50TPW16-1.5/2	90S	471	250	362	352	65	50	90	390	340	290	60	132	4-φ14	65
50TPW19-2.2/2	90L	496	250	362	352	65	50	90	390	340	290	60	132	4-φ14	65
50TPW24-3/2	100L	541	250	362	362	65	50	90	460	410	290	60	132	4-φ14	65
50TPW27-4/2	112M	567	250	362	380	65	50	100	460	410	290	60	132	4-φ14	75
50TPW34-5.5/2	132S	617	330	362	405	65	50	100	460	410	370	60	132	4-φ16	75
50TPW37-7.5/2	132S	630	330	440	433	65	50	100	460	410	370	60	160	4-φ16	75
50TPW47-11/2	160M	755	330	440	480	65	50	100	570	520	370	60	160	4-φ16	75
50TPW58-15/2	160M	754	330	490	500	65	50	100	570	520	370	60	180	4-φ16	65
50TPW68-18.5/2	160L	809	420	530	540	65	50	100	650	530	480	100	180	4-φ22	100
50TPW76-22/2	180M	839	420	530	555	65	50	100	650	530	480	100	180	4-φ22	100
50TPW9-0.75/4	80M	472	250	362	326	65	50	100	390	340	290	60	132	4-φ14	75

TPW Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4-φ ₀	C
50TPW8-0.75/4	80M	485	250	440	354	65	50	100	390	340	290	60	160	4-φ14	75
50TPW10-1.1/4	90S	495	250	440	380	65	50	100	390	340	290	60	160	4-φ14	75
50TPW11-1.5/4	90L	520	250	440	380	65	50	100	390	340	290	60	160	4-φ14	75
50TPW15-2.2/4	100L	564	330	490	410	65	50	100	460	410	370	60	180	4-φ16	65
50TPW19-3/4	100L	564	330	490	410	65	50	100	460	410	370	60	180	4-φ16	65
65TPW15-2.2/2	90L	517	250	382	352	80	65	105	390	340	290	60	132	4-φ14	80
65TPW18-3/2	100L	562	250	382	362	80	65	105	460	410	290	60	132	4-φ14	80
65TPW22-4/2	112M	577	330	382	380	80	65	105	460	410	370	60	132	4-φ16	80
65TPW26-5.5/2	132S	624	330	402	415	80	65	105	460	410	370	60	142	4-φ16	80
65TPW33-7.5/2	132S	624	330	402	415	80	65	105	460	410	370	60	142	4-φ16	80
65TPW34-11/2	160M	758	330	477	500	80	65	105	570	520	370	60	180	4-φ16	70
65TPW45-15/2	160M	758	330	477	500	80	65	105	570	520	370	60	180	4-φ16	70
65TPW52-18.5/2	160L	813	420	517	540	80	65	105	650	530	480	100	180	4-φ22	105
65TPW62-22/2	180M	843	420	517	555	80	65	105	650	530	480	100	180	4-φ22	105
65TPW76-30/2	200L	913	420	550	605	80	65	105	800	680	480	100	200	4-φ22	105
65TPW84-37/2	200L	913	420	550	605	80	65	105	800	680	480	100	200	4-φ22	105
65TPW7-0.75/4	80M	479	250	402	336	80	65	105	390	340	290	60	142	4-φ14	80
65TPW8-1.1/4	90S	489	250	402	362	80	65	105	390	340	290	60	142	4-φ14	80
65TPW9-1.5/4	90L	523	330	477	400	80	65	105	460	410	370	60	180	4-φ16	70
65TPW12-2.2/4	100L	568	330	477	410	80	65	105	460	410	370	60	180	4-φ16	70
65TPW15-3/4	100L	568	330	477	410	80	65	105	460	410	370	60	180	4-φ16	70
65TPW16-3/4	100L	568	330	510	430	80	65	105	460	410	370	60	200	4-φ16	70
65TPW20-4/4	112M	583	330	510	448	80	65	105	460	410	370	60	200	4-φ16	70
80TPW15-3/2	100L	577	250	412	362	100	80	120	460	410	290	60	132	4-φ14	95
80TPW19-4/2	112M	592	330	412	380	100	80	120	460	410	370	60	132	4-φ16	95
80TPW21-5.5/2	132S	642	330	412	405	100	80	120	460	410	370	60	132	4-φ16	95
80TPW20-7.5/2	132S	650	330	470	433	100	80	120	460	410	370	60	160	4-φ16	85
80TPW27-11/2	160M	775	330	470	480	100	80	120	570	520	370	60	160	4-φ16	85
80TPW33-15/2	160M	775	330	470	480	100	80	120	570	520	370	60	160	4-φ16	85
80TPW37-18.5/2	160L	832	420	575	560	100	80	120	650	530	480	100	200	4-φ22	120
80TPW42-22/2	180M	862	420	575	575	100	80	120	650	530	480	100	200	4-φ22	120

TPW Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4-φ ₀	C
80TPW57-30/2	200L	932	420	575	605	100	80	120	800	680	480	100	200	4-φ22	120
80TPW62-37/2	200L	932	420	575	605	100	80	120	800	680	480	100	200	4-φ22	120
80TPW71-30/2	200L	934	420	575	605	100	80	130	800	680	480	100	200	4-φ22	130
80TPW79-37/2	200L	934	420	575	605	100	80	130	800	680	480	100	200	4-φ22	130
80TPW80-45/2	225M	1013	560	680	680	100	80	140	800	550	620	100	250	4-φ22	192.5
80TPW91-55/2	250M	1078	560	680	715	100	80	140	950	700	620	100	250	4-φ22	192.5
80TPW112-75/2	280S	1138	560	710	780	100	80	140	950	700	620	130	250	4-φ22	192.5
80TPW127-90/2	280M	1188	560	710	780	100	80	140	950	700	620	130	250	4-φ22	192.5
80TPW5-0.75/4	80M	497	250	412	326	100	80	120	390	340	290	60	132	4-φ14	95
80TPW6-1.1/4	90S	515	330	470	380	100	80	120	460	410	370	60	160	4-φ16	85
80TPW7-1.5/4	90L	540	330	470	380	100	80	120	460	410	370	60	160	4-φ16	85
80TPW8-2.2/4	100L	585	330	470	390	100	80	120	460	410	370	60	160	4-φ16	85
80TPW9-2.2/4	100L	587	330	535	430	100	80	120	460	410	370	60	200	4-φ16	85
80TPW11-3/4	100L	587	330	535	430	100	80	120	460	410	370	60	200	4-φ16	85
80TPW15-4/4	112M	602	330	535	448	100	80	120	460	410	370	60	200	4-φ16	85
80TPW14-3/4	100L	589	330	535	430	100	80	130	460	410	370	60	200	4-φ16	95
80TPW17-4/4	112M	604	330	535	448	100	80	130	460	410	370	60	200	4-φ16	95
80TPW21-5.5/4	132S	654	330	535	473	100	80	130	460	410	370	60	200	4-φ16	95
80TPW18-5.5/4	132S	683	420	680	563	100	80	140	510	390	480	100	250	4-φ22	127.5
80TPW23-7.5/4	132M	723	420	680	563	100	80	140	650	530	480	100	250	4-φ22	127.5
80TPW30-11/4	160M	808	420	680	610	100	80	140	650	530	480	100	250	4-φ22	127.5
100TPW15-4/2	112M	597	330	470	408	100	100	120	460	410	370	60	160	4-φ16	95
100TPW18-5.5/2	132S	647	330	470	433	100	100	120	460	410	370	60	160	4-φ16	95
100TPW20-7.5/2	132S	647	330	470	433	100	100	120	460	410	370	60	160	4-φ16	95
100TPW21-11/2	160M	800	330	515	500	125	100	140	570	520	370	60	180	4-φ16	105
100TPW25-15/2	160M	800	330	515	500	125	100	140	570	520	370	60	180	4-φ16	105
100TPW30-18.5/2	160L	855	420	555	540	125	100	140	650	530	480	100	180	4-φ22	140
100TPW32-22/2	180M	885	420	555	555	125	100	140	650	530	480	100	180	4-φ22	140
100TPW37-22/2	180M	880.5	420	590	575	125	100	140	650	530	480	100	200	4-φ22	140
100TPW45-30/2	200L	950.5	420	590	605	125	100	140	800	680	480	100	200	4-φ22	140
100TPW53-37/2	200L	950.5	420	590	605	125	100	140	800	680	480	100	200	4-φ22	140

TPW Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4-φ ₀	C
100TPW60-45/2	225M	1009	560	630	655	125	100	140	800	550	620	100	225	4-φ22	192.5
100TPW67-55/2	250M	1074	560	655	715	125	100	140	800	550	620	125	225	4-φ22	192.5
100TPW72-75/2	280S	1134	560	685	780	125	100	140	950	700	620	155	225	4-φ22	192.5
100TPW83-75/2	280S	1153	560	750	780	125	100	140	950	700	620	130	250	4-φ22	192.5
100TPW89-90/2	280M	1203	560	750	780	125	100	140	950	700	620	130	250	4-φ22	192.5
100TPW102-110/2	315S	1408	660	805	965	125	100	140	1040	800	720	185	250	4-φ28	187.5
100TPW110-132/2	315M	1518	660	805	965	125	100	140	1300	1060	720	185	250	4-φ28	187.5
100TPW121-160/2	315L	1518	660	805	965	125	100	140	1300	1060	720	185	250	4-φ28	187.5
100TPW4-0.75/4	80M	502	250	470	354	100	100	120	390	340	290	60	160	4-φ14	95
100TPW5-1.1/4	90S	540	330	515	400	125	100	140	460	410	370	60	180	4-φ16	105
100TPW6-1.5/4	90L	565	330	515	400	125	100	140	460	410	370	60	180	4-φ16	105
100TPW7-2.2/4	100L	610	330	515	410	125	100	140	460	410	370	60	180	4-φ16	105
100TPW8-2.2/4	100L	605.5	330	550	430	125	100	140	460	410	370	60	200	4-φ16	105
100TPW10-3/4	100L	605.5	330	550	430	125	100	140	460	410	370	60	200	4-φ16	105
100TPW12-4/4	112M	620.5	330	550	448	125	100	140	460	410	370	60	200	4-φ16	105
100TPW15-5.5/4	132S	679	420	630	538	125	100	140	510	390	480	100	225	4-φ22	127.5
100TPW18-7.5/4	132M	719	420	630	538	125	100	140	650	530	480	100	225	4-φ22	127.5
100TPW23-11/4	160M	823	420	720	610	125	100	140	650	530	480	100	250	4-φ22	127.5
100TPW26-15/4	160L	878	420	720	610	125	100	140	650	530	480	100	250	4-φ22	127.5
100TPW30-18.5/4	180M	908	420	720	625	125	100	140	650	530	480	100	250	4-φ22	127.5
100TPW31-22/4	180L	948	420	720	625	125	100	140	800	680	480	100	250	4-φ22	127.5
125TPW25-22/2	180M	904.5	420	625	575	150	125	160	650	530	480	100	200	4-φ22	147.5
125TPW34-30/2	200L	974.5	420	625	605	150	125	160	800	680	480	100	200	4-φ22	147.5
125TPW40-37/2	200L	974.5	420	625	605	150	125	160	800	680	480	100	200	4-φ22	147.5
125TPW46-45/2	225M	1035	560	680	655	150	125	160	800	550	620	100	225	4-φ22	212.5
125TPW49-55/2	250M	1112	560	705	715	150	125	160	950	700	620	125	225	4-φ22	212.5
125TPW53-55/2	250M	1107	560	730	715	150	125	160	950	700	620	100	250	4-φ22	212.5
125TPW60-75/2	280S	1172	560	760	780	150	125	160	950	700	620	130	250	4-φ22	212.5
125TPW70-90/2	280M	1222	560	760	780	150	125	160	950	700	620	130	250	4-φ22	212.5
125TPW77-110/2	315S	1427	660	815	965	150	125	160	1040	800	720	185	250	4-φ28	207.5
125TPW98-132/2	315M	1534	660	835	965	150	125	160	1300	1060	720	155	280	4-φ28	207.5
125TPW108-160/2	315L	1534	660	835	965	150	125	160	1300	1060	720	155	280	4-φ28	207.5
125TPW121-185/2	315L	1534	660	835	965	150	125	160	1300	1060	720	155	280	4-φ28	207.5

TPW Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4-φ ₀	C
125TPW130-200/2	315L	1534	660	835	965	150	125	160	1300	1060	720	155	280	4-φ28	207.5
125TPW6-2.2/4	100L	629.5	420	625	470	150	125	160	510	390	480	100	200	4-φ22	147.5
125TPW7-3/4	100L	629.5	420	625	470	150	125	160	510	390	480	100	200	4-φ22	147.5
125TPW9-4/4	112M	644.5	420	625	488	150	125	160	510	390	480	100	200	4-φ22	147.5
125TPW11-5.5/4	132S	705	420	680	538	150	125	160	510	390	480	100	225	4-φ22	147.5
125TPW12-7.5/4	132M	745	420	680	538	150	125	160	650	530	480	100	225	4-φ22	147.5
125TPW14-7.5/4	132M	757	420	730	563	150	125	160	650	530	480	100	250	4-φ22	147.5
125TPW17-11/4	160M	842	420	730	610	150	125	160	650	530	480	100	250	4-φ22	147.5
125TPW20-15/4	160L	897	420	730	610	150	125	160	650	530	480	100	250	4-φ22	147.5
125TPW26-18.5/4	180M	924	420	780	655	150	125	160	650	530	480	100	280	4-φ22	147.5
125TPW28-22/4	180L	964	420	780	655	150	125	160	800	680	480	100	280	4-φ22	147.5
125TPW32-30/4	200L	994	420	780	685	150	125	160	800	680	480	100	280	4-φ22	147.5
125TPW40-30/4	200L	992	560	855	720	150	125	160	800	550	620	100	315	4-φ22	212.5
125TPW46-37/4	225S	1007	560	855	745	150	125	160	800	550	620	100	315	4-φ22	212.5
125TPW50-45/4	225M	1037	560	855	745	150	125	160	800	550	620	100	315	4-φ22	212.5
125TPW5-1.5/6	100L	640	420	680	495	150	125	160	510	390	480	100	225	4-φ22	147.5
125TPW6-2.2/6	112M	667	420	730	538	150	125	160	510	390	480	100	250	4-φ22	147.5
125TPW7-3/6	132S	717	420	730	563	150	125	160	510	390	480	100	250	4-φ22	147.5
125TPW8-4/6	132M	757	420	730	563	150	125	160	650	530	480	100	250	4-φ22	147.5
125TPW12-5.5/6	132M	754	420	780	593	150	125	160	650	530	480	100	280	4-φ22	147.5
125TPW14-7.5/6	160M	839	420	780	640	150	125	160	650	530	480	100	280	4-φ22	147.5
125TPW15-7.5/6	160M	837	560	855	675	150	125	160	680	430	620	100	315	4-φ22	147.5
125TPW21-11/6	160L	892	560	855	675	150	125	160	680	430	620	100	315	4-φ22	147.5
150TPW13-11/4	160M	860	560	820	640	200	150	180	680	430	620	100	280	4-φ22	205
150TPW16-15/4	160L	915	560	820	640	200	150	180	680	430	620	100	280	4-φ22	205
150TPW18-18.5/4	180M	945	560	820	655	200	150	180	680	430	620	100	280	4-φ22	205
150TPW19-18.5/4	180M	941	560	840	655	200	150	180	680	430	620	100	280	4-φ22	205
150TPW22-22/4	180L	981	560	840	655	200	150	180	800	550	620	100	280	4-φ22	205
150TPW28-30/4	200L	1011	560	840	685	200	150	180	800	550	620	100	280	4-φ22	205
150TPW32-37/4	225S	1026	560	840	710	200	150	180	800	550	620	100	280	4-φ22	205
150TPW34-45/4	225M	1061	560	840	710	200	150	180	800	550	620	100	280	4-φ22	205
150TPW41-45/4	225M	1068	560	935	765	200	150	180	800	550	620	100	335	4-φ22	205
150TPW43-55/4	250M	1133	560	935	800	200	150	180	950	700	620	100	335	4-φ22	205
150TPW51-75/4	280S	1193	560	935	835	200	150	180	950	700	620	100	335	4-φ22	205
150TPW57-90/4	280M	1243	560	935	835	200	150	180	950	700	620	100	335	4-φ22	205
150TPW4-2.2/6	112M	685	560	820	568	200	150	180	550	300	620	100	280	4-φ22	205
150TPW5-3/6	132S	735	560	820	593	200	150	180	550	300	620	100	280	4-φ22	205
150TPW6-4/6	132M	775	560	820	593	200	150	180	680	430	620	100	280	4-φ22	205
150TPW8-5.5/6	132M	775	560	820	593	200	150	180	680	430	620	100	280	4-φ22	205
150TPW9-5.5/6	132M	771	560	840	593	200	150	180	680	430	620	100	280	4-φ22	205
150TPW11-7.5/6	160M	856	560	840	640	200	150	180	680	430	620	100	280	4-φ22	205
150TPW14-11/6	160L	911	560	840	640	200	150	180	680	430	620	100	280	4-φ22	205

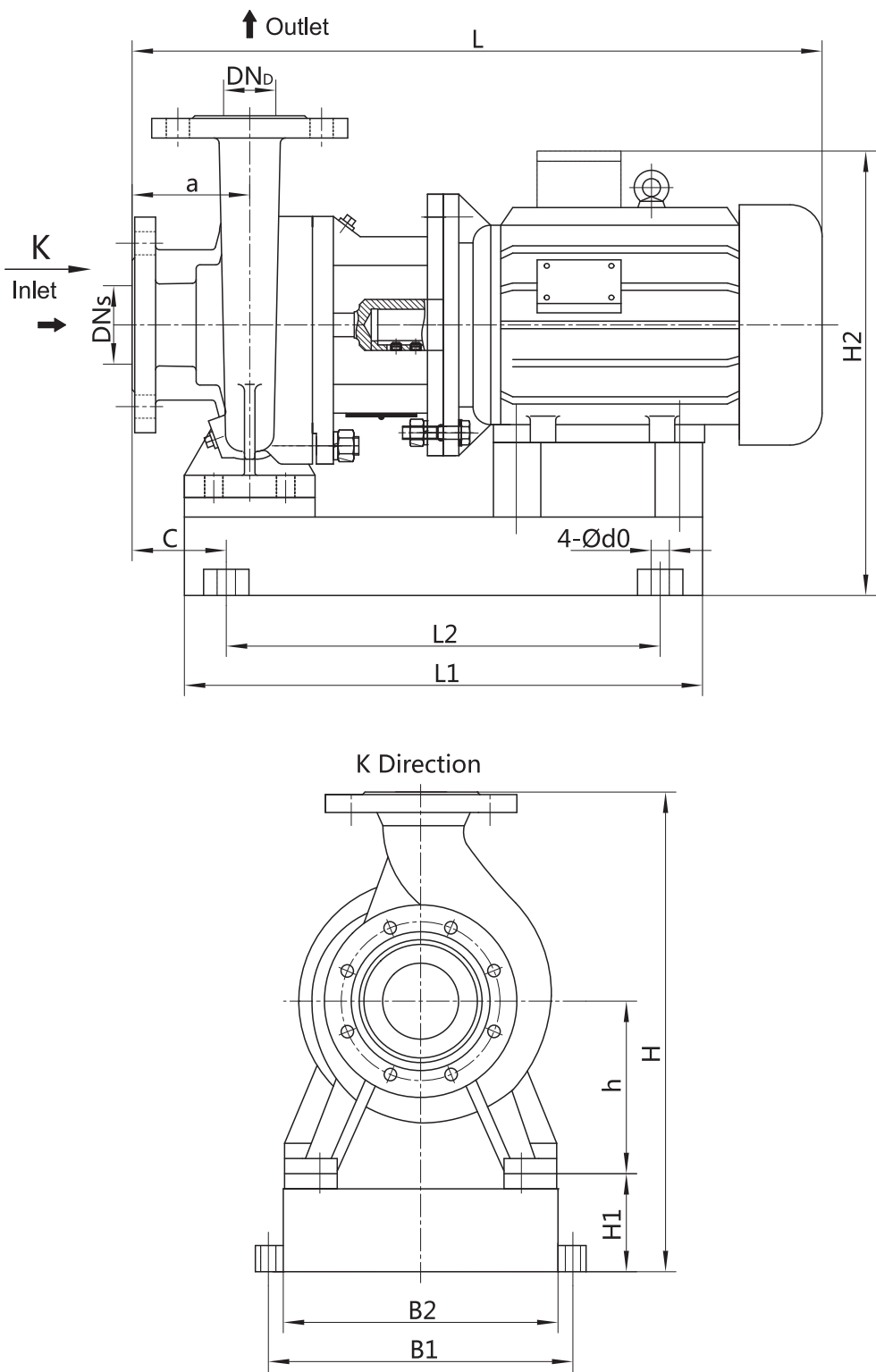
TPW Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4-φ ₀	C
150TPW15-15/6	180L	981	560	840	710	200	150	180	800	550	620	100	280	4-φ22	205
150TPW17-15/6	180L	988	560	935	710	200	150	180	800	550	620	100	335	4-φ22	205
150TPW20-18.5/6	200L	1018	560	935	740	200	150	180	800	550	620	100	335	4-φ22	205
150TPW23-22/6	200L	1018	560	935	740	200	150	180	800	550	620	100	335	4-φ22	205
150TPW26-30/6	225M	1068	560	935	765	200	150	180	800	550	620	100	335	4-φ22	205
200TPW10-11/4	160M	910	560	855	675	250	200	220	680	430	620	100	280	4-φ22	245
200TPW12-15/4	160L	965	560	855	675	250	200	220	680	430	620	100	280	4-φ22	245
200TPW14-18.5/4	180M	995	560	945	690	250	200	220	800	550	620	100	315	4-φ22	245
200TPW15-22/4	180L	1035	560	945	690	250	200	220	800	550	620	100	315	4-φ22	245
200TPW18-30/4	200L	1065	560	945	720	250	200	220	800	550	620	100	315	4-φ22	245
200TPW21-37/4	225S	1080	560	945	745	250	200	220	800	550	620	100	315	4-φ22	245
200TPW23-45/4	225M	1115	560	1015	785	250	200	220	800	550	620	100	355	4-φ22	245
200TPW27-55/4	250M	1180	560	1015	820	250	200	220	950	700	620	100	355	4-φ22	245
200TPW32-75/4	280S	1240	560	1015	855	250	200	220	950	700	620	100	355	4-φ22	245
200TPW29-37/4	225S	1086	560	1015	785	250	200	220	800	550	620	100	355	4-φ22	245
200TPW31-45/4	225M	1121	560	1015	785	250	200	220	800	550	620	100	355	4-φ22	245
200TPW36-55/4	250M	1186	560	1015	820	250	200	220	950	700	620	100	355	4-φ22	245
200TPW42-75/4	280S	1246	560	1015	855	250	200	220	950	700	620	100	355	4-φ22	245
200TPW46-90/4	280M	1296	660	1035	875	250	200	220	1040	800	720	120	355	4-φ28	240
200TPW52-110/4	315S	1486	660	1035	1005	250	200	220	1040	800	720	120	355	4-φ28	240
200TPW57-132/4	315M	1596	660	1035	1005	250	200	220	1300	1060	720	120	355	4-φ28	240
200TPW7-7.5/6	160M	910	560	945	675	250	200	220	680	430	620	100	315	4-φ22	245
200TPW9-11/6	160L	965	560	945	675	250	200	220	680	430	620	100	315	4-φ22	245
200TPW11-15/6	180L	1035	560	1015	730	250	200	220	800	550	620	100	355	4-φ22	245
200TPW13-18.5/6	200L	1065	560	1015	760	250	200	220	800	550	620	100	355	4-φ22	245
200TPW14-22/6	200L	1065	560	1015	760	250	200	220	800	550	620	100	355	4-φ22	245
200TPW18-22/6	200L	1071	560	1015	760	250	200	220	800	550	620	100	355	4-φ22	245
200TPW21-30/6	225M	1121	560	1015	785	250	200	220	800	550	620	100	355	4-φ22	245
200TPW25-37/6	250M	1186	560	1015	820	250	200	220	950	700	620	100	355	4-φ22	245
250TPW20-45/4	225M	1166	560	1035	785	300	250	260	800	550	620	100	355	4-φ22	285
250TPW23-55/4	250M	1231	560	1035	820	300	250	260	950	700	620	100	355	4-φ22	285
250TPW28-75/4	280S	1291	560	1035	855	300	250	260	950	700	620	100	355	4-φ22	285
250TPW34-90/4	280M	1341	660	1055	875	300	250	260	1040	800	720	120	355	4-φ28	280

TPW Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4-φd ₀	C
250TPW37-90/4	280M	1346	660	1125	920	300	250	260	1040	800	720	120	400	4-Φ28	280
250TPW41-110/4	315S	1551	660	1125	1050	300	250	260	1040	800	720	120	400	4-Φ28	280
250TPW48-132/4	315M	1646	760	1125	1050	300	250	260	1300	1000	820	120	400	4-Φ28	310
250TPW55-160/4	315L	1646	760	1125	1050	300	250	260	1300	1000	820	120	400	4-Φ28	310
300TPW20-55/4	250M	1271	560	1130	865	350	300	300	950	700	620	100	400	4-Φ22	325
300TPW26-75/4	280S	1331	560	1130	900	350	300	300	950	700	620	100	400	4-Φ22	325
300TPW29-90/4	280M	1381	660	1150	920	350	300	300	1040	800	720	120	400	4-Φ28	320
300TPW38-110/4	315S	1616	760	1180	1070	350	300	340	1300	1000	820	120	420	4-Φ28	360
300TPW42-132/4	315M	1726	760	1180	1070	350	300	340	1300	1000	820	120	420	4-Φ28	360
300TPW46-160/4	315L	1726	760	1180	1070	350	300	340	1300	1000	820	120	420	4-Φ28	360
300TPW50-185/4	315L	1726	760	1180	1070	350	300	340	1300	1000	820	120	420	4-Φ28	360
300TPW52-200/4	315L	1726	760	1180	1070	350	300	340	1300	1000	820	120	420	4-Φ28	360
350TPW15-55/4	250M	1259	660	1230	915	350	350	280	1040	800	720	120	430	4-Φ28	270
350TPW19-75/4	280S	1319	660	1230	950	350	350	280	1040	800	720	120	430	4-Φ28	270
350TPW22-90/4	280M	1369	660	1230	950	350	350	280	1040	800	720	120	430	4-Φ28	270
350TPW27-110/4	315S	1559	760	1270	1100	350	350	280	1300	1000	820	120	450	4-Φ28	300
350TPW30-132/4	315M	1669	760	1270	1100	350	350	280	1300	1000	820	120	450	4-Φ28	300
350TPW34-160/4	315L	1669	760	1270	1100	350	350	280	1300	1000	820	120	450	4-Φ28	300
350TPW40-185/4	315L	1669	760	1330	1100	350	350	280	1300	1000	820	120	480	4-Φ28	300
350TPW42-200/4	315L	1669	760	1300	1100	350	350	280	1300	1000	820	120	480	4-Φ28	300
350TPW47-220/4	315L	1674	760	1330	1130	350	350	280	1300	1000	820	120	480	4-Φ28	300
350TPW52-250/4	355M	1874	760	1330	1255	350	350	280	1500	1200	820	120	480	4-Φ28	300
350TPW56-280/4	355L	1874	760	1330	1255	350	350	280	1500	1200	820	120	480	4-Φ28	300
350TPW60-315/4	355L	1874	760	1330	1255	350	350	280	1500	1200	820	120	480	4-Φ28	300

TWZ Outline Installation Dimension Figure



TPZ Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4--d ₀	C
100TWZ10-3/4	100L	640.5	330	550	430	125	100	140	460	410	370	60	200	4-Φ16	105
100TWZ12-4/4	112M	655.5	330	550	448	125	100	140	570	520	370	60	200	4-Φ16	105
100TWZ15-5.5/4	132S	734	420	630	538	125	100	140	650	530	480	100	225	4-Φ22	127.5
100TWZ18-7.5/4	132M	772	420	630	538	125	100	140	650	530	480	100	225	4-Φ22	127.5
100TWZ23-11/4	160M	903	420	720	610	125	100	140	800	680	480	100	250	4-Φ22	127.5
100TWZ26-15/4	160L	958	420	720	610	125	100	140	800	680	480	100	250	4-Φ22	127.5
100TWZ30-18.5/4	180M	988	420	720	625	125	100	140	800	680	480	100	250	4-Φ22	127.5
100TWZ31-22/4	180L	1028	420	720	625	125	100	140	800	680	480	100	250	4-Φ22	127.5
125TWZ25-22/2	180M	984.5	420	625	575	150	125	160	800	680	480	100	200	4-Φ22	147.5
125TWZ34-30/2	200L	1054.5	420	625	605	150	125	160	800	680	480	100	200	4-Φ22	147.5
125TWZ40-37/2	200L	1054.5	420	625	605	150	125	160	800	680	480	100	200	4-Φ22	147.5
125TWZ46-45/2	225M	1115	560	680	655	150	125	160	950	700	620	100	225	4-Φ22	212.5
125TWZ49-55/2	250M	1220	560	705	715	150	125	160	950	700	620	125	225	4-Φ22	212.5
125TWZ53-55/2	250M	1232	560	730	715	150	125	160	950	700	620	100	250	4-Φ22	212.5
125TWZ60-75/2	280S	1292	560	760	780	150	125	160	1100	850	620	130	250	4-Φ22	212.5
125TWZ70-90/2	280M	1342	560	760	780	150	125	160	1100	850	620	130	250	4-Φ22	212.5
125TWZ77-110/2	315S	1537	660	815	965	150	125	160	1300	1060	720	185	250	4-Φ28	207.5
125TWZ98-132/2	315M	1644	660	835	965	150	125	160	1300	1060	720	155	280	4-Φ28	207.5
125TWZ108-160/2	315L	1644	660	835	965	150	125	160	1300	1060	720	155	280	4-Φ28	207.5
125TWZ121-185/2	315L	1644	660	835	965	150	125	160	1300	1060	720	155	280	4-Φ28	207.5
125TWZ130-200/2	315L	1644	660	835	965	150	125	160	1300	1060	720	155	280	4-Φ28	207.5
125TWZ6-2.2/4	100L	664.5	420	625	470	150	125	160	510	390	480	100	200	4-Φ22	147.5
125TWZ7-3/4	100L	664.5	420	625	470	150	125	160	510	390	480	100	200	4-Φ22	147.5
125TWZ9-4/4	112M	679.5	420	625	488	150	125	160	510	390	480	100	200	4-Φ22	147.5
125TWZ11-5.5/4	132S	760	420	680	538	150	125	160	650	530	480	100	225	4-Φ22	147.5
125TWZ12-7.5/4	132M	798	420	680	538	150	125	160	650	530	480	100	225	4-Φ22	147.5

TPZ Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4--d ₀	C
125TWZ14-7.5/4	132M	810	420	730	563	150	125	160	650	530	480	100	250	4-Φ22	147.5
125TWZ17-11/4	160M	922	420	730	610	150	125	160	800	680	480	100	250	4-Φ22	147.5
125TWZ20-15/4	160L	977	420	730	610	150	125	160	800	680	480	100	250	4-Φ22	147.5
125TWZ26-18.5/4	180M	1004	420	780	655	150	125	160	800	680	480	100	280	4-Φ22	147.5
125TWZ28-22/4	180L	1044	420	780	655	150	125	160	800	680	480	100	280	4-Φ22	147.5
125TWZ32-30/4	200L	1074	420	780	685	150	125	160	800	680	480	100	280	4-Φ22	147.5
125TWZ40-30/4	200L	1072	560	855	720	150	125	160	950	700	620	100	315	4-Φ22	212.5
125TWZ46-37/4	225S	1117	560	855	745	150	125	160	950	700	620	100	315	4-Φ22	212.5
125TWZ50-45/4	225M	1147	560	855	745	150	125	160	950	700	620	100	315	4-Φ22	212.5
125TWZ5-1.5/6	100L	675	420	680	495	150	125	160	510	390	480	100	225	4-Φ22	147.5
125TWZ6-2.2/6	112M	702	420	730	538	150	125	160	510	390	480	100	250	4-Φ22	147.5
125TWZ7-3/6	132S	772	420	730	563	150	125	160	650	530	480	100	250	4-Φ22	147.5
125TWZ8-4/6	132M	810	420	730	563	150	125	160	650	530	480	100	250	4-Φ22	147.5
125TWZ12-5.5/6	132M	807	420	780	593	150	125	160	650	530	480	100	280	4-Φ22	147.5
125TWZ14-7.5/6	160M	919	420	780	640	150	125	160	800	680	480	100	280	4-Φ22	147.5
125TWZ15-7.5/6	160M	917	560	855	675	150	125	160	680	430	620	100	315	4-Φ22	212.5
125TWZ20-11/6	160L	972	560	855	675	150	125	160	800	550	620	100	315	4-Φ22	212.5
150TWZ54-75/2	280S	1310	560	820	780	200	150	180	1100	850	620	100	280	4-Φ22	205
150TWZ57-90/2	280M	1360	560	820	780	200	150	180	1100	850	620	100	280	4-Φ22	205
150TWZ64-110/2	315S	1555	660	875	965	200	150	180	1300	1060	720	155	280	4-Φ28	200
150TWZ74-132/2	315M	1665	660	875	965	200	150	180	1300	1060	720	155	280	4-Φ28	200
150TWZ80-160/2	315L	1665	660	875	965	200	150	180	1300	1060	720	155	280	4-Φ28	200
150TWZ13-11/4	160M	940	560	820	640	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ16-15/4	160L	995	560	820	640	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ18-18.5/4	180M	1025	560	820	655	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ19-18.5/4	180M	1021	560	840	655	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ22-22/4	180L	1061	560	840	655	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ28-30/4	200L	1091	560	840	685	200	150	180	950	700	620	100	280	4-Φ22	205
150TWZ32-37/4	225S	1136	560	840	710	200	150	180	950	700	620	100	280	4-Φ22	205
150TWZ34-45/4	225M	1166	560	840	710	200	150	180	950	700	620	100	280	4-Φ22	205

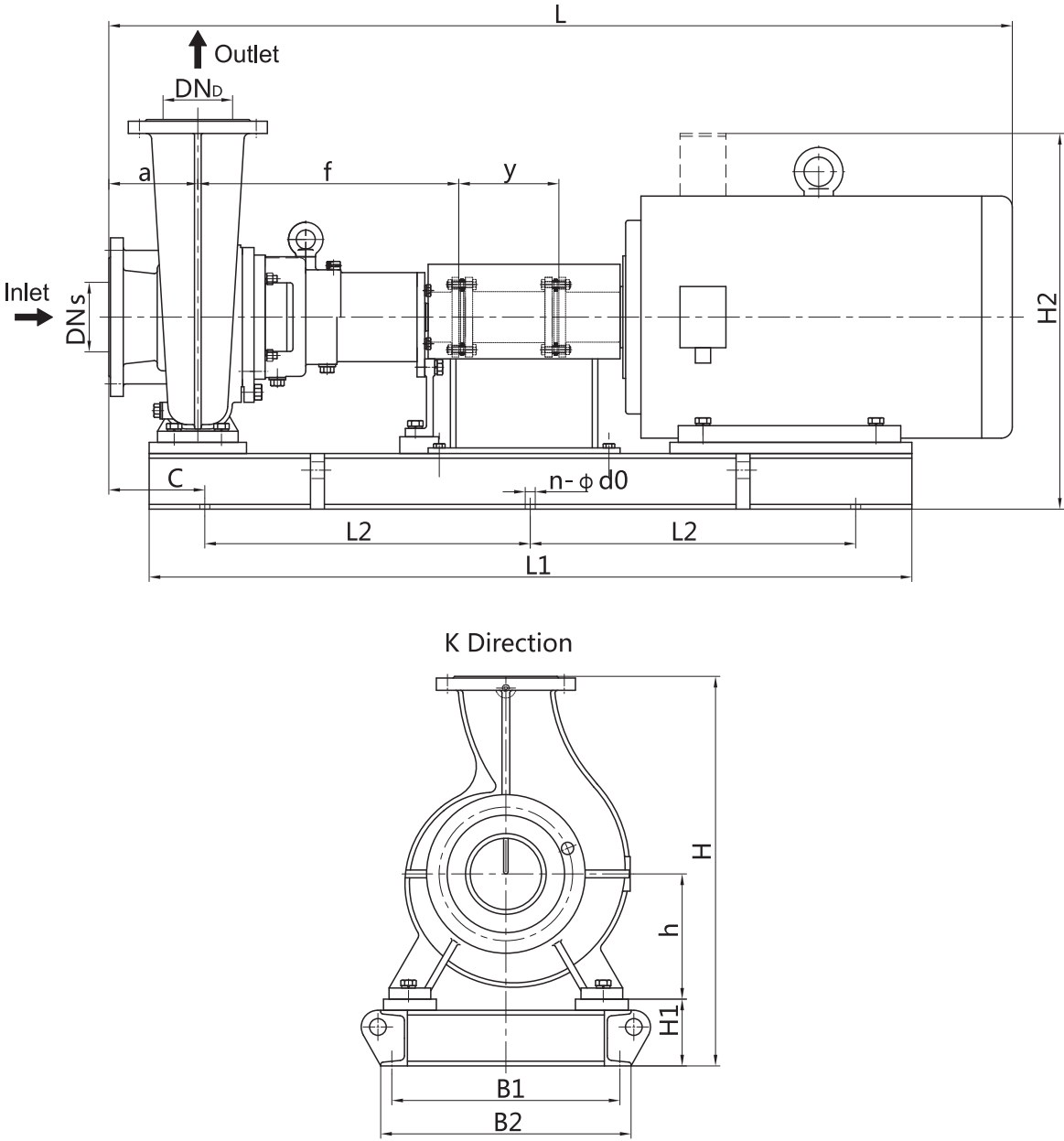
TPZ Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4--d ₀	C
150TWZ41-45/4	225M	1173	560	935	765	200	150	180	950	700	620	100	335	4-Φ22	205
150TWZ43-55/4	250M	1243	560	935	800	200	150	180	1100	850	620	100	335	4-Φ22	205
150TWZ51-75/4	280S	1303	560	935	835	200	150	180	1100	850	620	100	335	4-Φ22	205
150TWZ57-90/4	280M	1383	560	935	835	200	150	180	1100	850	620	100	335	4-Φ22	205
150TWZ4-2.2/6	112M	720	560	820	568	200	150	180	550	300	620	100	280	4-Φ22	205
150TWZ5-3/6	132S	795	560	820	593	200	150	180	680	430	620	100	280	4-Φ22	205
150TWZ6-4/6	132M	833	560	820	593	200	150	180	680	430	620	100	280	4-Φ22	205
150TWZ8-5.5/6	132M	833	560	820	593	200	150	180	680	430	620	100	280	4-Φ22	205
150TWZ9-5.5/6	132M	829	560	840	593	200	150	180	680	430	620	100	280	4-Φ22	205
150TWZ11-7.5/6	160M	936	560	840	640	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ14-11/6	160L	991	560	840	640	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ15-15/6	180L	1061	560	840	710	200	150	180	800	550	620	100	280	4-Φ22	205
150TWZ17-15/6	180L	1068	560	935	710	200	150	180	800	550	620	100	335	4-Φ22	205
150TWZ20-18.5/6	200L	1098	560	935	740	200	150	180	950	700	620	100	335	4-Φ22	205
150TWZ23-22/6	200L	1098	560	935	740	200	150	180	950	700	620	100	335	4-Φ22	205
150TWZ26-30/6	225M	1173	560	935	765	200	150	180	950	700	620	100	335	4-Φ22	205
200TWZ10-11/4	160M	937	560	855	675	250	200	220	800	550	620	100	280	4-Φ22	245
200TWZ12-15/4	160L	992	560	855	675	250	200	220	800	550	620	100	280	4-Φ22	245
200TWZ14-18.5/4	180M	1075	560	945	690	250	200	220	800	550	620	100	315	4-Φ22	245
200TWZ15-22/4	180L	1115	560	945	690	250	200	220	950	700	620	100	315	4-Φ22	245
200TWZ18-30/4	200L	1145	560	945	720	250	200	220	950	700	620	100	315	4-Φ22	245
200TWZ21-37/4	225S	1190	560	945	745	250	200	220	950	700	620	100	315	4-Φ22	245
200TWZ23-45/4	225M	1216	560	1015	785	250	200	220	950	700	620	100	355	4-Φ22	245
200TWZ27-55/4	250M	1286	560	1015	820	250	200	220	1100	850	620	100	355	4-Φ22	245
200TWZ32-75/4	280S	1346	560	1015	855	250	200	220	1100	850	620	100	355	4-Φ22	245
200TWZ29-37/4	225S	1196	560	1015	785	250	200	220	950	700	620	100	355	4-Φ22	245
200TWZ31-45/4	225M	1226	560	1015	785	250	200	220	950	700	620	100	355	4-Φ22	245
200TWZ36-55/4	250M	1296	560	1015	820	250	200	220	1100	850	620	100	355	4-Φ22	245
200TWZ42-75/4	280S	1356	560	1015	855	250	200	220	1100	850	620	100	355	4-Φ22	245

TPZ Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)									
		L	B ₂	H	H ₂	DN _S	DN _D	a	L ₁	L ₂	B ₁	H ₁	h	4--d ₀	C
200TWZ46-90/4	280M	1406	660	1035	875	250	200	220	1300	1060	720	120	355	4-Φ28	240
200TWZ52-110/4	315S	1571	660	1035	1005	250	200	220	1300	1060	720	120	355	4-Φ28	240
200TWZ57-132/4	315M	1711	660	1035	1005	250	200	220	1300	1060	720	120	355	4-Φ28	240
200TWZ7-7.5/6	160M	990	560	945	675	250	200	220	800	550	620	100	315	4-Φ22	245
200TWZ9-11/6	160L	1045	560	945	675	250	200	220	800	550	620	100	315	4-Φ22	245
200TWZ11-15/6	180L	1111	560	1015	730	250	200	220	800	550	620	100	355	4-Φ22	245
200TWZ13-18.5/6	200L	1141	560	1015	760	250	200	220	950	700	620	100	355	4-Φ22	245
200TWZ14-22/6	200L	1141	560	1015	760	250	200	220	950	700	620	100	355	4-Φ22	245
200TWZ18-22/6	200L	1151	560	1015	760	250	200	220	950	700	620	100	355	4-Φ22	245
200TWZ21-30/6	225M	1226	560	1015	785	250	200	220	950	700	620	100	355	4-Φ22	245
200TWZ25-37/6	250M	1296	560	1015	820	250	200	220	1100	850	620	100	355	4-Φ22	245

TPW/TWZ/TWX series advanced horizontal end suction circulation pump



TPW/TWZ/TWX series advanced horizontal end suction circulation pump

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)											
		L	B2	H	H2	DN _s	DN _D	a	f	y	L ₁	L ₂	B ₁	H ₁	h	n-φd ₀	A
32TWX12-0.75/2	80M	855	250	368	364	40	32	90	370	100	745	550	220	98	120	4-Φ14	40
32TWX15-1.1/2	80M	855	250	368	364	40	32	90	370	100	745	550	220	98	120	4-Φ14	40
32TWX20-1.5/2	90S	875	250	368	390	40	32	90	370	100	765	600	220	98	120	4-Φ14	40
32TWX27-2.2/2	90L	910	250	438	418	40	32	100	370	100	790	600	220	98	160	4-Φ14	40
32TWX35-3/2	100L	955	250	438	428	40	32	100	370	100	825	650	220	98	160	4-Φ14	40
32TWX36-4/2	112M	970	250	438	446	40	32	100	370	100	830	650	220	98	160	4-Φ14	40
32TWX46-5.5/2	132S	1040	250	438	471	40	32	100	370	100	875	700	220	98	160	4-Φ14	40
32TWX12-0.75/4	80M	965	250	438	392	40	32	100	370	100	745	550	220	98	160	4-Φ14	40
40TWX14-1.1/2	80M	856	250	390	364	50	40	90	371	100	745	550	220	98	132	4-Φ14	40
40TWX18-1.5/2	90S	876	250	390	390	50	40	90	371	100	765	600	220	98	132	4-Φ14	40
40TWX23-2.2/2	90L	901	250	390	390	50	40	90	371	100	790	600	220	98	132	4-Φ14	40
40TWX28-3/2	100L	952	250	400	428	50	40	90	377	100	830	650	220	98	132	4-Φ14	40
40TWX34-4/2	112M	967	250	400	446	50	40	90	377	100	840	650	220	98	132	4-Φ14	40
40TWX35-5.5/2	132S	1045	250	478	471	50	40	100	375	100	880	700	220	98	160	4-Φ14	40
40TWX43-7.5/2	132S	1045	250	478	471	50	40	100	375	100	880	700	220	98	160	4-Φ14	40
40TWX9-0.75/4	80M	870	250	478	364	50	40	100	375	100	750	550	220	98	160	4-Φ14	40
40TWX12-1.1/4	90S	890	250	478	390	50	40	100	375	100	770	600	220	98	160	4-Φ14	40
50TWX14-1.1/2	80M	859	250	400	364	65	50	90	374	100	750	550	220	98	132	4-Φ14	40
50TWX16-1.5/2	90S	879	250	400	390	65	50	90	374	100	770	600	220	98	132	4-Φ14	40
50TWX19-2.2/2	90L	904	250	400	390	65	50	90	374	100	795	600	220	98	132	4-Φ14	40
50TWX24-3/2	100L	949	250	400	428	65	50	90	374	100	830	650	220	98	132	4-Φ14	40
50TWX27-4/2	112M	975	250	400	446	65	50	100	375	100	835	650	220	98	132	4-Φ14	40
50TWX34-5.5/2	132S	1045	250	400	471	65	50	100	375	100	880	700	220	98	132	4-Φ14	40
50TWX9-0.75/4	80M	870	250	400	364	65	50	100	375	100	750	550	220	98	132	4-Φ14	40
50TWX37-7.5/2	132S	1129	310	500	493	65	50	100	439	120	965	700	270	120	160	4-Φ18	40
50TWX47-11/2	160M	1274	310	500	540	65	50	100	439	120	1085	900	270	120	160	4-Φ18	40

TWX Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)											
		L	B ₂	H	H ₂	DN _s	DN _D	a	f	y	L ₁	L ₂	B ₁	H ₁	h	n--d ₀	A
100TWX21-11/2	160M1	1339	310	575	560	125	100	140	444	140	1120	900	270	120	180	4-Φ18	30
100TWX25-15/2	160M2	1339	310	575	560	125	100	140	444	140	1120	900	270	120	180	4-Φ18	30
100TWX30-18.5/2	160L	1394	310	575	560	125	100	140	444	140	1170	950	270	120	180	4-Φ18	30
100TWX32-22/2	180M	1424	310	575	575	125	100	140	444	140	1170	950	350	120	180	4-Φ18	30
100TWX5-1.1/4	90S	1039	310	555	440	125	100	140	444	140	890	700	270	100	180	4-Φ14	30
100TWX6-1.5/4	90L	1064	310	555	440	125	100	140	444	140	920	700	270	100	180	4-Φ14	30
100TWX7-2.2/4	100L	1109	310	555	450	125	100	140	444	140	970	700	270	100	180	4-Φ14	30
100TWX37-22/2	180M	1420	390	610	595	125	100	140	439.5	140	1170	950	350	120	200	4-Φ18	30
100TWX45-30/2	200L1	1490	430	610	625	125	100	140	439.5	140	1250	950	390	120	200	4-Φ18	30
100TWX53-37/2	200L2	1490	430	610	625	125	100	140	439.5	140	1250	950	390	120	200	4-Φ18	30
100TWX8-2.2/4	100L1	1105	310	610	470	125	100	140	439.5	140	950	700	270	100	200	4-Φ14	30
100TWX10-3/4	100L2	1105	310	610	470	125	100	140	439.5	140	950	700	270	100	200	4-Φ14	30
100TWX12-4/4	112M	1120	310	610	488	125	100	140	439.5	140	950	700	270	100	200	4-Φ14	30
100TWX60-45/2	225M	1563	470	650	675	125	100	140	463	140	1320	550	430	120	225	6-Φ18	17.5
100TWX67-55/2	250M	1658	470	695	755	125	100	140	463	140	1410	600	430	160	225	6-Φ18	17.5
100TWX72-75/2	280S	1718	520	725	820	125	100	140	463	140	1470	600	480	195	225	6-Φ18	17.5
100TWX15-5.5/4	132S	1213	390	650	558	125	100	140	463	140	1030	800	350	120	225	4-Φ18	17.5
100TWX18-7.5/4	132M	1253	390	650	558	125	100	140	463	140	1070	800	350	120	225	4-Φ18	17.5
100TWX83-75/2	280S	1918	600	810	840	125	100	140	623	180	1660	650	550	190	250	6-Φ18	17.5
100TWX89-90/2	280M	1968	600	810	840	125	100	140	623	180	1710	700	550	190	250	6-Φ18	17.5
100TWX102-110/2	315S	2158	660	845	1005	125	100	140	623	180	1750	750	610	225	250	6-Φ18	17.5
100TWX110-132/2	315M	2268	660	845	1005	125	100	140	623	180	1850	750	610	225	250	6-Φ18	17.5
100TWX121-160/2	315L1	2268	660	845	1005	125	100	140	623	180	1850	750	610	225	250	6-Φ18	17.5
100TWX23-11/4	160M	1558	390	760	650	125	100	140	623	180	1350	550	350	140	250	6-Φ18	17.5
100TWX26-15/4	160L	1613	390	760	650	125	100	140	623	180	1410	600	350	140	250	6-Φ18	17.5
100TWX30-18.5/4	180M	1643	430	760	665	125	100	140	623	180	1410	600	390	140	250	6-Φ18	17.5
100TWX31-22/4	180L	1683	430	760	665	125	100	140	623	180	1450	600	390	140	250	6-Φ18	17.5
125TWX25-22/2	180M	1444	390	645	595	150	125	160	443.5	140	1190	950	350	120	200	4-Φ18	17.5
125TWX34-30/2	200L1	1514	390	645	625	150	125	160	443.5	140	1260	950	350	120	200	4-Φ18	17.5
125TWX40-37/2	200L2	1514	390	645	625	150	125	160	443.5	140	1260	950	350	120	200	4-Φ18	17.5
125TWX6-2.2/4	100L1	1129	390	645	490	150	125	160	443.5	140	960	700	350	120	200	4-Φ18	17.5
125TWX7-3/4	100L2	1129	390	645	490	150	125	160	443.5	140	960	700	350	120	200	4-Φ18	17.5
125TWX9-4/4	112M	1144	390	645	508	150	125	160	443.5	140	960	700	350	120	200	4-Φ18	17.5

TWX Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)											
		L	B ₂	H	H ₂	DN _s	DN _D	a	f	y	L ₁	L ₂	B ₁	H ₁	h	n--d ₀	A
125TWX46-45/2	225M	1629	470	700	650	150	125	160	469	180	1360	550	430	120	225	6-Φ18	17.5
125TWX49-55/2	250M	1724	470	745	695	150	125	160	469	180	1450	600	430	165	225	6-Φ18	17.5
125TWX11-5.5/4	132S	1279	470	700	558	150	125	160	469	180	1080	850	430	120	225	4-Φ18	17.5
125TWX12-7.5/4	132M	1319	470	700	558	150	125	160	469	180	1120	900	430	120	225	4-Φ18	17.5
125TWX5-1.5/6	100L	1194	470	700	515	150	125	160	469	180	1030	800	430	120	225	4-Φ18	17.5
125TWX53-55/2	250M	1877	470	770	720	150	125	160	622	180	1600	650	430	140	250	6-Φ18	17.5
125TWX60-75/2	280S	1937	600	820	840	150	125	160	622	180	1660	700	550	190	250	6-Φ18	17.5
125TWX70-90/2	280M	1987	600	820	840	150	125	160	622	180	1710	700	550	190	250	6-Φ18	17.5
125TWX77-110/2	315S	2177	660	855	1005	150	125	160	622	180	1750	750	610	225	250	6-Φ18	17.5
125TWX14-7.5/4	132M	1472	390	750	583	150	125	160	622	180	1270	950	350	120	250	4-Φ18	17.5
125TWX17-11/4	160M	1577	390	770	650	150	125	160	622	180	1350	550	350	140	250	6-Φ18	17.5
125TWX20-15/4	160L	1632	390	770	650	150	125	160	622	180	1400	600	350	140	250	6-Φ18	17.5
125TWX6-2.2/6	112M	1362	390	750	558	150	125	160	622	180	1190	950	350	120	250	4-Φ18	17.5
125TWX7-3/6	132S	1432	390	750	583	150	125	160	622	180	1230	950	350	120	250	4-Φ18	17.5
125TWX8-4/6	132M1	1472	390	750	583	150	125	160	622	180	1270	950	350	120	250	4-Φ18	17.5
125TWX98-132/2	315M	2284	660	875	1005	150	125	160	619	180	1850	750	610	195	280	6-Φ18	17.5
125TWX108-160/2	315L1	2284	660	875	1005	150	125	160	619	180	1850	750	610	195	280	6-Φ18	17.5
125TWX121-185/2	315L	2284	660	875	1005	150	125	160	619	180	1850	750	610	195	280	6-Φ18	17.5
125TWX130-200/2	315L2	2284	660	875	1005	150	125	160	619	180	1850	750	610	195	280	6-Φ18	17.5
125TWX26-18.5/4	180M	1659	430	820	695	150	125	160	619	180	1400	600	390	140	280	6-Φ18	17.5
125TWX28-22/4	180L	1699	430	820	695	150	125	160	619	180	1440	600	390	140	280	6-Φ18	17.5
125TWX32-30/4	200L	1729	430	820	725	150	125	160	619	180	1480	600	390	140	280	6-Φ18	17.5
125TWX12-5.5/6	132M2	1469	390	800	613	150	125	160	619	180	1270	950	350	120	280	6-Φ18	17.5
125TWX14-7.5/6	160M	1574	390	800	660	150	125	160	619	180	1350	950	350	120	280	6-Φ18	17.5
125TWX40-30/4	200L	1684	520	895	760	150	125	160	574	180	1430	600	480	140	315	6-Φ18	17.5
125TWX46-37/4	225S	1729	520	895	785	150	125	160	574	180	1466	600	480	140	315	4-Φ18	17.5
125TWX50-45/4	225M	1759	520	895	785	150	125	160	574	180	1491	600	480	140	315	6-Φ18	17.5
125TWX15-7.5/6	160M	1529	520	875	695	150	125	160	574	180	1300	600	480	120	315	6-Φ18	17.5
125TWX20-11/6	160L	1584	520	875	695	150	125	160	574	180	1344	600	480	120	315	6-Φ18	17.5
150TWX54-75/2	280S	1995	600	880	840	200	150	180	615	180	1690	700	550	160	280	6-Φ18	-10
150TWX57-90/2	280M	2005	600	880	840	200	150	180	615	180	1740	750	550	160	280	6-Φ18	-10
150TWX64-110/2	315S	2190	660	915	1005	200	150	180	615	180	1770	750	610	195	280	6-Φ18	-10
150TWX74-132/2	315M	2300	660	915	1005	200	150	180	615	180	1880	750	610	195	280	6-Φ18	-10
150TWX80-160/2	315L1	2300	660	915	1005	200	150	180	615	180	1880	750	610	195	280	6-Φ18	-10
150TWX13-11/4	160M	1424	490	840	660	200	150	180	449	180	1220	950	450	120	280	4-Φ18	-10
150TWX16-15/4	160L	1479	490	840	660	200	150	180	449	180	1270	950	450	120	280	4-Φ18	-10
150TWX18-18.5/4	180M	1509	490	840	675	200	150	180	449	180	1270	950	450	120	280	4-Φ18	-10
150TWX4-2.2/6	112M	1209	490	840	588	200	150	180	449	180	1050	850	450	120	280	4-Φ18	-10
150TWX5-3/6	132S	1279	490	840	613	200	150	180	449	180	1100	850	450	120	280	4-Φ18	-10
150TWX6-4/6	132M1	1319	490	840	613	200	150	180	449	180	1140	900	450	120	280	4-Φ18	-10
150TWX8-5.5/6	132M2	1319	490	840	613	200	150	180	449	180	1140	900	450	120	280	4-Φ18	-10
150TWX95-185/2	315L	2400	660	975	1085	200	150	180	695	180	1980	800	610	235	280	6-Φ24	-10
150TWX103-200/2	315L2	2400	660	975	1085	200	150	180	695	180	1980	800	610	235	280	6-Φ24	-10
150TWX109-220/2	315L2	2400	660	975	1085	200	150	180	695	180	1980	800	610	235	280	6-Φ24	-10
150TWX118-250/2	355M	2570	730	1015	1210	200	150	180	695	180	2120	900	670	275	280	6-Φ24	-10
150TWX128-280/2	355L1	2570	730	1015	1210	200	150	180	695	180	2120	900	670	275	280	6-Φ24	-10
150TWX136-315/2	355L	2570	730	1015	1210	200	150	180	695	180	2120	900	670	275	280	6-Φ24	-10

TWX Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)											
		L	B ₂	H	H ₂	DN _S	DN _D	a	f	y	L ₁	L ₂	B ₁	H ₁	h	n--d ₀	A
150TWX19-18.5/4	180M	1520	490	860	675	200	150	180	460	180	1270	530	450	120	280	6-Φ18	-10
150TWX22-22/4	180L	1560	490	860	675	200	150	180	460	180	1310	550	450	120	280	6-Φ18	-10
150TWX28-30/4	200L	1590	490	860	705	200	150	180	460	180	1350	550	450	120	280	6-Φ18	-10
150TWX32-37/4	225S	1635	490	860	730	200	150	180	460	180	1380	550	450	120	280	6-Φ18	-10
150TWX34-45/4	225M	1665	490	860	730	200	150	180	460	180	1410	600	450	120	280	6-Φ18	-10
150TWX9-5.5/6	132M2	1330	490	860	613	200	150	180	460	180	1130	900	450	120	280	4-Φ18	-10
150TWX11-7.5/6	160M	1435	490	860	660	200	150	180	460	180	1210	950	450	120	280	4-Φ18	-10
150TWX14-11/6	160L	1490	490	860	660	200	150	180	460	180	1260	950	450	120	280	4-Φ18	-10
150TWX41-45/4	225M	1785	520	975	805	200	150	180	580	180	1530	650	480	140	335	6-Φ18	-10
150TWX43-55/4	250M	1855	590	975	840	200	150	180	580	180	1600	650	550	140	335	6-Φ18	-10
150TWX51-75/4	280S	1915	590	975	875	200	150	180	580	180	1650	700	550	140	335	6-Φ18	-10
150TWX57-90/4	280M	1965	590	975	875	200	150	180	580	180	1700	700	550	140	335	6-Φ18	-10
150TWX17-15/6	180L	1680	520	975	750	200	150	180	580	180	1420	600	480	140	335	6-Φ18	-10
150TWX20-18.5/6	200L1	1710	520	975	780	200	150	180	580	180	1470	600	480	140	335	6-Φ18	-10
150TWX23-22/6	200L2	1710	520	975	780	200	150	180	580	180	1470	600	480	140	335	6-Φ18	-10
150TWX26-30/6	225M	1785	520	975	805	200	150	180	580	180	1530	650	480	140	335	6-Φ18	-10
200TWX10-11/4	160M	1421	490	875	660	250	200	180	446	180	1210	950	450	120	280	4-Φ18	-10
200TWX12-15/4	160L	1476	490	875	660	250	200	180	446	180	1250	950	450	120	280	4-Φ18	-10
200TWX14-18.5/4	180M	1604	490	965	710	250	200	220	474	210	1310	550	450	120	315	6-Φ18	-10
200TWX15-22/4	180L	1644	490	965	710	250	200	220	474	210	1360	550	450	120	315	6-Φ18	-10
200TWX18-30/4	200L	1674	490	965	740	250	200	220	474	210	1390	550	450	120	315	6-Φ18	-10
200TWX21-37/4	225S	1719	520	985	785	250	200	220	474	210	1430	600	480	140	315	6-Φ18	-10
200TWX7-7.5/6	160M	1519	490	965	695	250	200	220	474	210	1260	530	450	120	315	6-Φ18	-10
200TWX9-11/6	160L	1574	490	965	695	250	200	220	474	210	1300	550	450	120	315	6-Φ18	-10
200TWX23-45/4	225M	1858	520	1055	825	250	200	220	583	210	1560	650	480	140	355	6-Φ18	-10
200TWX27-55/4	250M	1928	590	1055	860	250	200	220	583	210	1620	700	550	140	355	6-Φ18	-10
200TWX32-75/4	280S	1988	590	1055	895	250	200	220	583	210	1680	700	550	140	355	6-Φ18	-10
200TWX11-15/6	180L	1753	520	1055	770	250	200	220	583	210	1460	600	480	140	355	6-Φ18	-10
200TWX13-18.5/6	200L1	1783	520	1055	800	250	200	220	583	210	1500	650	480	140	355	6-Φ18	-10
200TWX14-22/6	200L2	1783	520	1055	800	250	200	220	583	210	1500	650	480	140	355	6-Φ18	-10
200TWX29-37/4	225S	1942	520	1075	845	250	200	220	697	210	1650	700	480	160	355	6-Φ18	-10
200TWX31-45/4	225M	1972	520	1075	845	250	200	220	697	210	1680	700	480	160	355	6-Φ18	-10
200TWX36-55/4	250M	2042	600	1075	880	250	200	220	697	210	1740	750	550	160	355	6-Φ18	-10
200TWX42-75/4	280S	2102	600	1075	915	250	200	220	697	210	1800	750	550	160	355	6-Φ18	-10
200TWX46-90/4	280M	2152	600	1075	915	250	200	220	697	210	1850	750	550	160	355	6-Φ18	-10

TWX Outline installation dimension table

Pump Type	Motor Frame No.	Outline Dimension (mm)				Installation Dimension (mm)											
		L	B ₂	H	H ₂	DN _S	DN _D	a	f	y	L ₁	L ₂	B ₁	H ₁	h	n--d ₀	A
200TWX52-110/4	315S	2342	660	1095	1065	250	200	220	697	210	1910	800	600	180	355	6-Φ24	-10
200TWX57-132/4	315M	2452	660	1095	1065	250	200	220	697	210	2020	800	600	180	355	6-Φ24	-10
200TWX18-22/6	200L2	1897	520	1075	820	250	200	220	697	210	1610	700	480	160	355	6-Φ18	-10
200TWX21-30/6	225M	1972	520	1075	845	250	200	220	697	210	1680	700	480	160	355	6-Φ18	-10
200TWX25-37/6	250M	2042	600	1075	880	250	200	220	697	210	1740	750	550	160	355	6-Φ18	-10
250TWX20-45/4	225M	1913	520	1075	860	300	250	260	598	210	1580	650	480	140	355	6-Φ18	-10
250TWX23-55/4	250M	1983	590	1075	860	300	250	260	598	210	1650	700	550	140	355	6-Φ18	-10
250TWX28-75/4	280S	2043	600	1095	915	300	250	260	598	210	1700	700	550	160	355	6-Φ18	-10
250TWX34-90/4	280M	2093	600	1095	915	300	250	260	598	210	1750	750	550	160	355	6-Φ18	-10
250TWX37-90/4	280M	2252	600	1185	980	300	250	260	707	260	1910	800	550	180	400	6-Φ24	-10
250TWX41-110/4	315S	2442	660	1185	1110	300	250	260	707	260	1970	800	600	180	400	6-Φ24	-10
250TWX48-132/4	315M	2552	660	1185	1110	300	250	260	707	260	2080	850	600	180	400	6-Φ24	-10
250TWX55-160/4	315L1	2552	660	1185	1110	300	250	260	707	260	2080	850	600	180	400	6-Φ24	-10
300TWX20-55/4	250M	2073	600	1190	925	350	300	300	598	260	1700	700	550	160	400	6-Φ18	-10
300TWX26-75/4	280S	2133	600	1190	960	350	300	300	598	260	1750	750	550	160	400	6-Φ18	-10
300TWX29-90/4	280M	2183	600	1190	960	350	300	300	598	260	1800	750	550	160	400	6-Φ18	-10
300TWX38-110/4	315S	2522	660	1240	1130	350	300	340	707	260	2000	800	600	180	420	6-Φ24	-40
300TWX42-132/4	315M	2632	660	1240	1130	350	300	340	707	260	2110	850	600	180	420	6-Φ24	-40
300TWX46-160/4	315L1	2632	660	1240	1130	350	300	340	707	260	2110	850	600	180	420	6-Φ24	-40
300TWX50-185/4	315L	2632	660	1240	1130	350	300	340	707	260	2110	850	600	180	420	6-Φ24	-40
300TWX52-200/4	315L2	2632	660	1240	1130	350	300	340	707	260	2110	850	600	180	420	6-Φ24	-40
350TWX15-55/4	250M	2053	600	1270	955	350	350	280	598	260	1720	700	550	160	430	6-Φ18	-40
350TWX19-75/4	280S	2113	600	1270	990	350	350	280	598	260	1770	750	550	160	430	6-Φ18	-40
350TWX22-90/4	280M	2163	600	1270	990	350	350	280	598	260	1820	750	550	160	430	6-Φ18	-40
350TWX27-110/4	315S	2465	660	1330	1160	350	350	280	710	260	2000	800	600	180	450	6-Φ24	-40
350TWX30-132/4	315M	2575	660	1330	1160	350	350	280	710	260	2110	850	600	180	450	6-Φ24	-40
350TWX34-160/4	315L1	2575	660	1330	1160	350	350	280	710	260	2110	850	600	180	450	6-Φ24	-40
350TWX40-185/4	315L	2580	730	1410	1210	350	350	280	715	260	2120	900	670	200	480	6-Φ24	-40
350TWX42-200/4	315L2	2580	730	1410	1210	350	350	280	715	260	2120	900	670	200	480	6-Φ24	-40
350TWX47-220/4	315L3	2580	730	1410	1210	350	350	280	715	260	2260	950	670	200	480	6-Φ24	-40
350TWX52-250/4	355M	2780	730	1410	1335	350	350	280	715	260	2260	950	670	200	480	6-Φ24	-40
350TWX56-280/4	355L1	2780	730	1410	1335	350	350	280	715	260	2260	950	670	200	480	6-Φ24	-40
350TWX60-315/4	355L	2780	730	1410	1335	350	350	280	715	260	2260	950	670	200	480	6-Φ24	-40

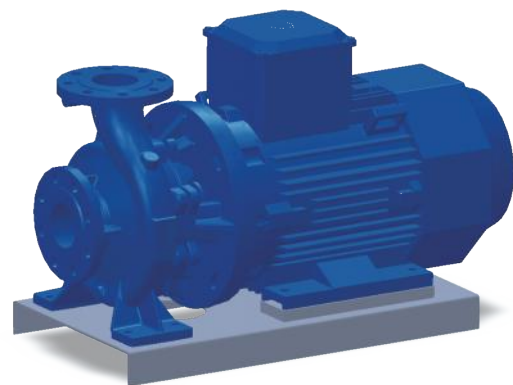
Installation methods for pump unit

Merit:

- Low installation cost
- Excellent shock absorption
- Optional grouting holes

Basic installation

The pump set adopts an A-type base, with ≤7.5kW motor, and can be installed through the base foundation of polymer bonding concrete.



Foundation installation pump set

Hard connection of the foundation support

The pump set adopts B-type base,11~315kW motor, bolt fastening foot.



Install the pump set by fastening bolts on foot

Flexible connection of foundation support

The base of pump set with vibration absorber pump



Base with vibration isolation cushion

Notes on Order-placing

Dear customer:

Please fill in the following table with the assistance of sales personnel or agent, so that the pump solution provided for you can meet your requirements in the pump model, material, shaft seal, accessories, installation conditions and other aspects.

Pipeline circulation pump data sheet	No.:
customer information	On-product information
corporate name:	Project name:
contacts:	Product type:
telephone :	Set quantity:
portraiture :	
E-mail :	

Medium

Liquid type : _____
Max. temperature : _____ (°C)
Min. temperature : _____ (°C)
Potency : _____ (%)
pH value : _____
Kinematic viscosity : _____ (mm²/s)
Density : _____ (kg/m³)
Solid particle content : _____ (quality %)
Is crystallization ? Yes : _____ No: _____

Environment

Ambient temperature : _____ (°C)
Ambient humidity : _____ (%)
Above sea level : _____ (m)

Pressure

Min. inlet temperature : _____ (bar)
Max. inlet temperature : _____ (bar)

Parameter

Rated flow point Q : _____ (m³/h) H : _____ (m)
Min. Flow point Qmin : _____ (m³/h) Hmax : _____ (m)
Max. Flow point Qmax : _____ (m³/h) Hmin : _____ (m)

Material : _____

Mechanical seal : _____

Motor (power, pole, energy efficiency grade, level of protection, insulation grade, etc.) : _____

Other attachments (reducer, valve, flexible connector, etc.) : _____