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## INDUSTRIAL & CHEMICAL PUMPS Series



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**INDUSTRIAL & CHEMICAL PUMPS FOR ACIDS AND  
DANGEROUS LIQUIDS SINCE 1979**  
Reliable, safe and high quality industrial pumps



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**INDUSTRIAL & CHEMICAL PUMPS  
SERIES**



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ICARO FLOW TECHNOLOGY S.R.L  
Via Industrie, 5, 24040 Lallio Bergamo, Italy



## *CATALOGUE OF PRODUCTS*

1、 MAGNETIC PUMP	01	4、 ISG\ISW\ISB SERIES PIPELINE CENTRIFUGAL PUMP	56-63
MDP MAGNETIC DRIVE PUMP	02-06	5、 IHF FLUOROPLASTIC CHEMICAL CENTRIFUGAL PUMP	64-68
MDPA\MDPE MAGNETIC DRIVE OIL CHEMICAL PROCESS PUMP	07-13	6、 SELF-SUCTION CENTRIFUGAL PUMP	69
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## MAGNETIC PUMP

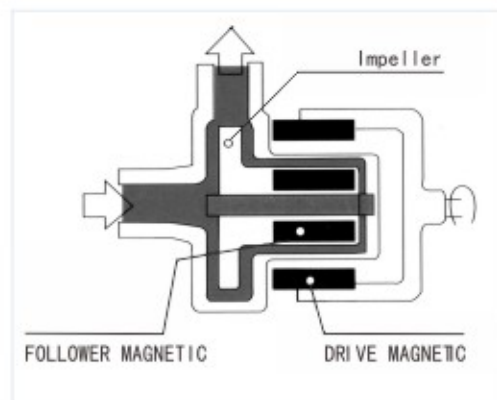
### GENERAL

Magnetic Pumps are our products which according to the international standard 《No shaft seal rotate power pump technical condition (II) type》 and API685 etc.to design and produce. And it's performance can reach to the international standard of the same type of products, if it adopts to national standard ISO2858 《Axial inhale centrifugal pump(16bar grade)》.

Magnetic Pumps are omniseal, non-leakage, pollution-free, smooth operate, simple structure, and maintenance convenience etc, they can widely used in chemical, petroleum, food, environmental protection, pharmaceuticals, movie flush, medical and health and the occasion of perfect and strictly-requirement. They supply the best choice for transporting highly toxic, and inflammable, explosive, corrosive products and other high concentrate, and expensive liquide.

### PRINCIPAL

New non-touch drive torque type which used permanent-magnet joint 's working principal. External magnet and electric motor linked driving parts, inner magnet and impeller linked passive parts. After the motor starting-up, it can reach the purpose of delivering the liquid through magnetic coupling drives the impeller synchronous revolution. Their structure feature use the silent seal instead of transprting seal, between driving parts and the passive parts are stationary insulate sheath which can seal the delivering medium, thus thoroughly solves the running , dropping and the leaking ect.



### CHARACTER

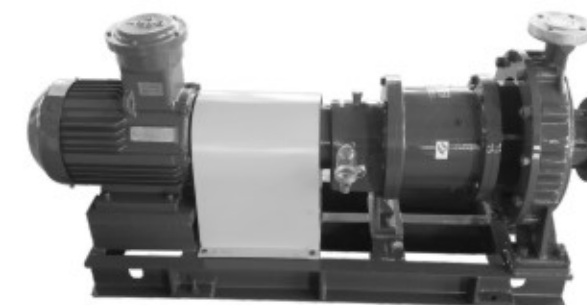
- 1.Adopt the excellenct hydraulic model,save the electric energe;
- 2.Using the high magnetic permanent magnetism material,ensure the enough force moment;
- 3.The design of the distance sleeve will Lower eddy,increase the pump efficiency;
- 4.The sepecila design of lubricata cooling flow passage and automatic balance axial force ensure the pump safely running;
- 5.Sliding bearing adopt the good matrial and advanced dynamic flow sliding structure,protract the life of the bearing;
- 6.The pump have the protected device will stop running when overload or without liquid.

### APPLIED RANGE

Work pressure  $\leq 1.6\text{Mpa}$ ,viscosity  $\leq 100\text{mm}^2/\text{s}(\text{cst})$ ,the liquid shoule be not include the iron tramp or hard particle.

## MDP MAGNETIC DRIVE PUMP

### GENERAL



MDP magnetic drive pump is a seal-less centrifugal pump which is developed by our company according to the market demand of the petroleum, chemical, biological, pharmaceutical, nuclear power plants. It is designed according to ISO 2858 standards, API 685 and GB/T 25140, compare with centrifugal pumps designed according to API 610 standard, it has no seal, so can use more safely, more reliable, it is the second-generationproduct of CQ magnetic pump.

This product has high degree of standardization, serialization, universal, parts can be easily interchangeable, thus can shorten the product manufacturing cycle time, improve equipment maintenance and expand the use of CQ magnetic pumps.

### CHARACTER

#### 1.Insulation Jacket

When need insulation or cooling of the liquid conveyed by the pump, the pump and other parts can be designed with a thermal insulation jacket (cavity), using an external heat medium / refrigerant to insulation or cooling of the liquid conveyed by the pump.

#### 2.Magnetic Materials

Adopt high-energy and high anti-temperature performance rare earth permanent magnet material to fully use magnetic material performance to improve the magnetic driving efficiency.

#### 3.Insulate Sheath

Insulate Sheath is a thin-walled pressure parts, fixed with bolts alone, isolated from the pump cavity with the outside world. Cancel sliding bearing seat structure, eliminate dynamic load from sliding bearing, thus can be used more safely. It can be made of titanium, hastelloy, stainless steel, and non-metallic materials according to different pumping fluids.

#### 4.Sliding Bearing

Dual sliding bearing is installed on the same bearing seat, highly coaxial and convenient installation. Its Material commonly is high hardness, high wear-resistant silicon carbide. Also can be carbon graphite, packing PTFE and other materials according to pumping medium.

#### 5.Compensating Ring

Because of the different linear expansion coefficients of the material, Compensating Ring can compensate the size differences for medium temperature rise resulting material expansion.

#### 6.Antifriction Ring

When the bearing fails to supports outer magnetic parts, Antifriction Ring can protect Insulate Sheath from damage immediately. Antifriction Ring and Digital Double Setting Protection (load monitor) used in combination can bring the best results.

#### 7.Axial force balance

Can increase the life of the pump by the hydraulic design of the hydraulic system from dynamic balancing axial force.

#### 8.Internal Circulation System of Pump

One hand, it will take away the heat of Insulate Sheath caused by eddy currents, another hand it will lubricate the slide bearing. According to different NPSHr required by process, internal circulation system can be inner circulation, outer circulation, forward circulation and reverse circulation.

#### 9.Inducer

When NPSHr of pump can not meet effective NPSHa of the device, you can install the Inducer at pump inlet to reduce pump NPSHr.

#### 10.Temperature Monitoring (Temperature Sensor)

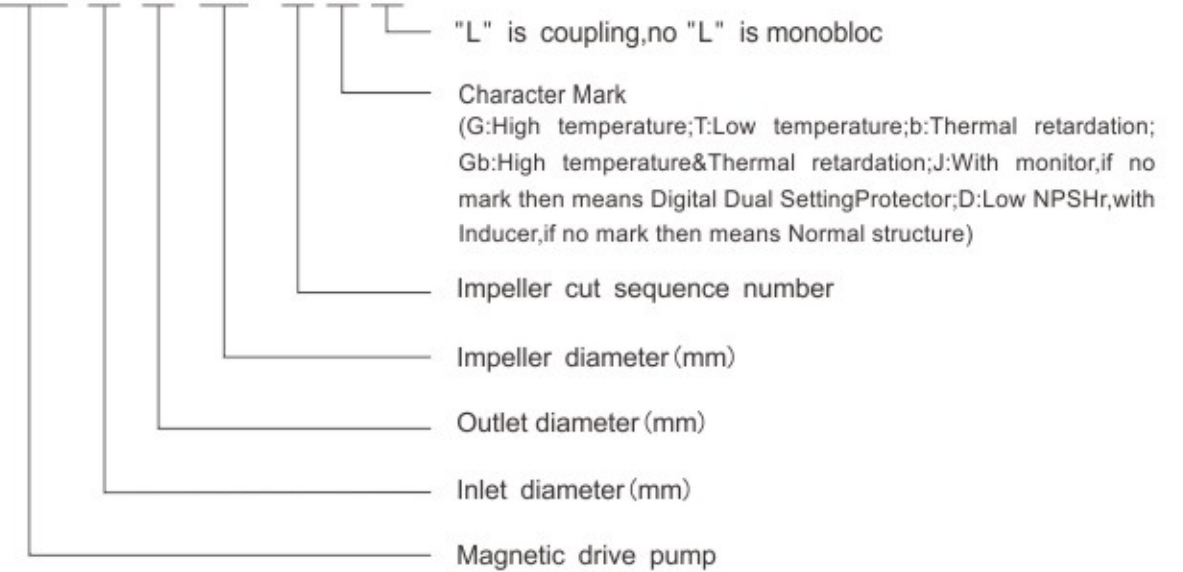
By monitoring the temperature of surface of Insulate Sheath of magnetic pump, indirect monitoring of the temperature of the internal circulating medium, when the temperature exceeds the permissible range set, the monitoring means an alarm signal or an electric signal to cut off power supply, so that the pump operation is stopped, in order to avoid the pump further damage.

#### 11.Load Monitoring (Digital Dual Setting Protector)

Digital dual setting protector is one of control measures of load monitoring, is one of our patented products designed according to requirements, adopt digital switches to pre-set the motor output power in a control range, when the pump has light load caused by shut-off or pump cavitations, or overload caused by too much flow rate of pump, antifriction ring mechanical friction, can automatically cut off the power to stop the pump to protect the pump equipment.

#### MODEL MEANING

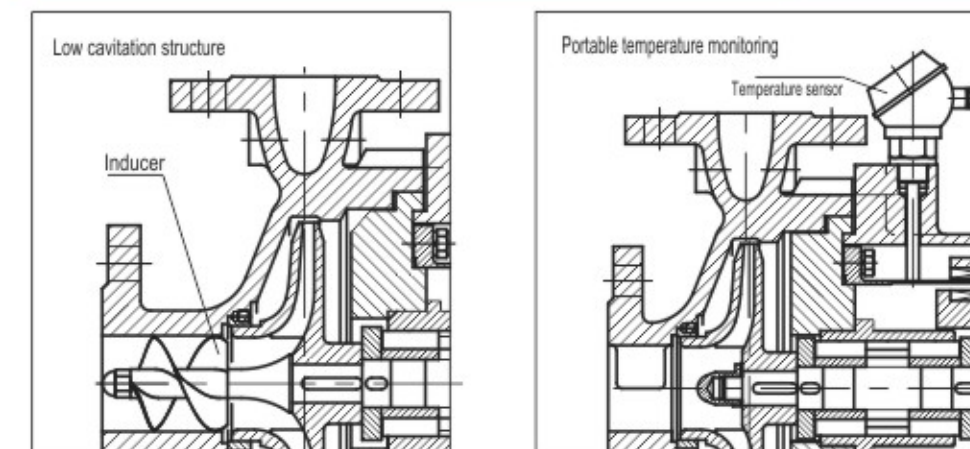
EX: MDP 50-32-160 A G L



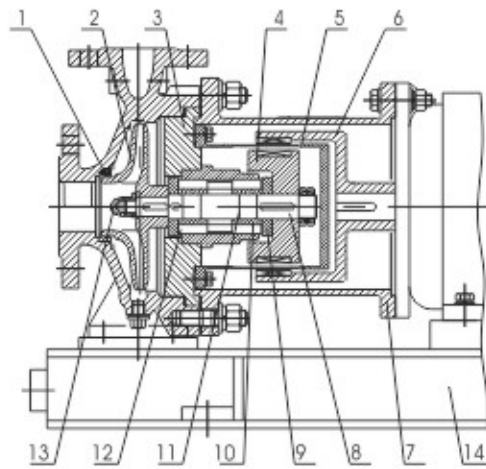
#### OPERATION PARAMETER

- Caliber:DN25~DN200mm
- Capacity:3~400m<sup>3</sup>/h
- Head:5~125m
- Rotate speed:2900r/min;1450r/min
- Work temperature:-120≤t≤350°C
- Viscosity:≤100mm<sup>2</sup>/s
- Pressure:DN≤40 , PN=0.6MPa
- DN≥50 , PN=1.6MPa

#### SKETCH MAP OF STRUCTURE & PERFORMANCE PARAMETER



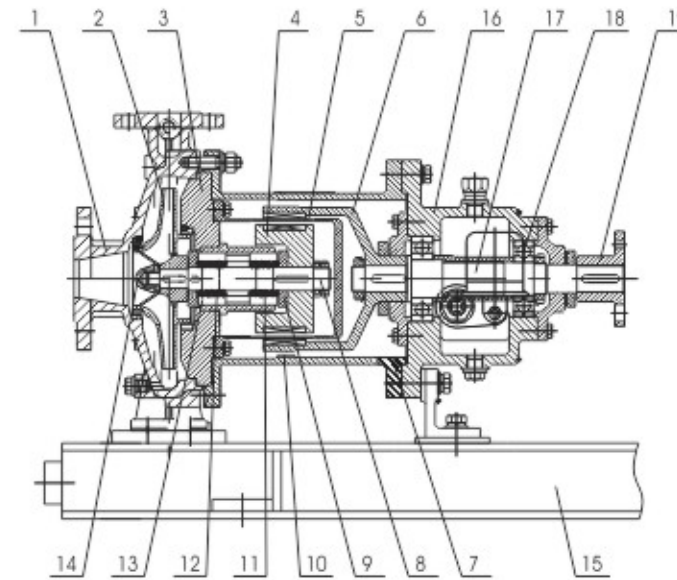
MONOBLOCK TYPE



- 01 Casing
- 02 Impeller
- 03 Pump cover
- 04 Inner magnetic part
- 05 Insulate sheath
- 06 Outer magnetic part
- 07 Connect frame
- 08 Shaft
- 09 Thrust ring
- 10 Shaft sleeve
- 11 Compensating ring
- 12 Slide bearing
- 13 Impell nut
- 14 Base plate

Model	Capacity (m <sup>3</sup> /h)	Head (m)	NPSHr (m)	Rotate speed (r/min)	Motor power (kW)
MDP25-25-125	3	20	2.8	2900	1.5
MDP25-25-160		32	2.8		2.2
MDP32-32-105	4	12.5	2.8	2900	1.5
MDP32-32-125		20	2.8		1.5
MDP32-32-160		32	2.8		2.2
MDP40-40-105	6.3	12.5	3	2900	1.5
MDP40-40-125		20	3		2.2
MDP40-40-160		32	3		3
MDP40-40-200		50	3		5.5
MDP50-32-105	12.5	12.5	3	2900	2.2
MDP50-32-125		20	3		3
MDP50-32-160		32	3		4
MDP50-32-200		50	3		7.5
MDP50-32-250		80	3		15
MDP65-50-105		25	12.5		3
MDP65-50-125	20		3	5.5	
MDP65-50-160	32		3	7.5	
MDP65-40-200	50		3	15	
MDP65-40-250	80		3	22	
MDP80-65-125	50		20	3.8	2900
MDP80-65-160		32	3.5	15	
MDP80-50-200		50	3.5	18.5	
MDP80-50-250		80	3.5	37	
MDP80-50-315		125	3.5	45	
MDP100-80-125		100	20	4.5	
MDP100-80-160	32		4.5	18.5	
MDP100-65-200	50		4.2	30	
MDP100-65-250	80		4.2	45	
MDP100-65-315	125		4.2	90	
MDP125-100-200	200		50	5.5	2900
MDP125-100-250		80	5.2	90	
MDP125-100-315		125	5.2	132	

DIVIDED TYPE



- 01 Casing
- 02 Impeller
- 03 Pump cover
- 04 Inner magnetic part
- 05 Insulate sheath
- 06 Outer magnetic part
- 07 Connect frame
- 08 Shaft
- 09 Thrust ring
- 10 Antifricition ring
- 11 Shaft sleeve
- 12 Compensating ring
- 13 Slide bearing
- 14 Impell nut
- 15 Base plate
- 16 Bearing Box
- 17 Drive shaft
- 18 Rolling bearing
- 19 Coupling

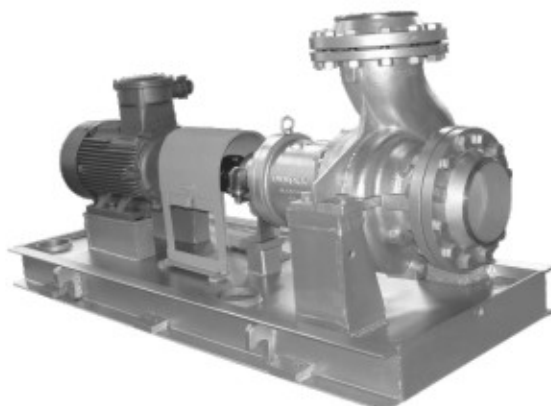
Model	Capacity (m <sup>3</sup> /h)	Head (m)	NPSHr (m)	Rotate speed (r/min)	Motor power (kW)
MDP50-32-125	6.3	5	2.7	1450	0.75
MDP50-32-160		8	2.7		0.75
MDP50-32-200		12.5	2.7		1.5
MDP50-32-250		20	2.7		3
MDP65-50-125	12.5	5	2.8	1450	0.75
MDP65-50-160		8	2.8		1.1
MDP65-40-200		12.5	2.8		2.2
MDP65-40-250		20	2.8		4
MDP65-40-315		32	2.8		7.5
MDP80-65-125	25	5	3	1450	1.1
MDP80-65-160		8	3		2.2
MDP80-50-200		12.5	3		3
MDP80-50-250		20	3		7.5
MDP80-50-315		32	3.5		11
MDP100-80-125	50	5	4	1450	2.2
MDP100-80-160		8	4		3
MDP100-65-200		12.5	3.5		5.5
MDP100-65-250		20	3.5		7.5
MDP100-65-315		32	3.5		15
MDP125-100-200	100	12.5	3.8	1450	11
MDP125-100-250		20	3.8		15
MDP125-100-315		32	3.8		30
MDP150-125-400		50	3.8		37
MDP150-125-250	200	20	4	1450	22
MDP150-125-315		32	4		37
MDP150-125-400		50	4		75
MDP200-150-250	400	20	4	1450	45
MDP200-150-315		32	4.5		75
MDP200-150-400		50	4.5		110

## MDPA\MDPE MAGNETIC DRIVE OIL CHEMICAL PROCESS PUMP

### GENERAL

The MDP A\MDPE type magnetic drive oil chemical process pump is the new series which our company design and have the leading position in the internal.

Steady function, have good ability to resist cavitation erosion, more efficient than other pumps. The products are developed according to API610\API685. They have high reliability, convenience to maintain, and They have the advantages in petrol chemical field.



### APPLIED RANGE

The pump can be widely used in chemical industry, petrochemical industry, Pharmaceuticals, bioengineering, nuclear power station, etc. the liquid should be not include the particle ( $S.G. \leq 1.84$ ). And it is special for pumping the inflammable, explosive, poisonous, deleterious, mordant and expansive liquid.

### MEANING OF THE MODEL

EX: MDP A 80-40-160 A G L

"L" is coupling, no "L" is monobloc

Character Mark (G: High temperature; T: Low temperature; b: Thermal retardation; Gb: High temperature & Thermal retardation; J: With monitor, if no mark then means Digital Dual Setting Protector; D: Low NPSHr, with inducer, if no mark then means Normal structure)

Impeller cut sequence number

Impeller diameter (mm)

Outlet diameter (mm)

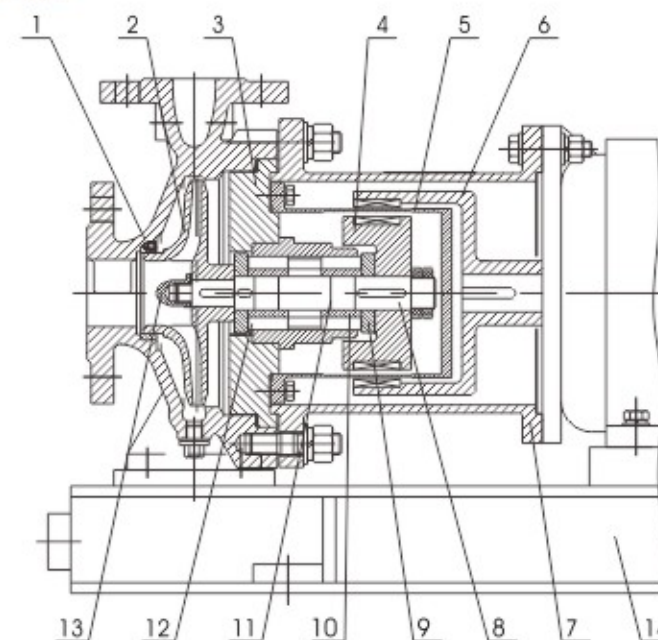
Inlet diameter (mm)

Magnetic drive oil chemical process pump

A: underprop is footing, E: underprop is centerline)

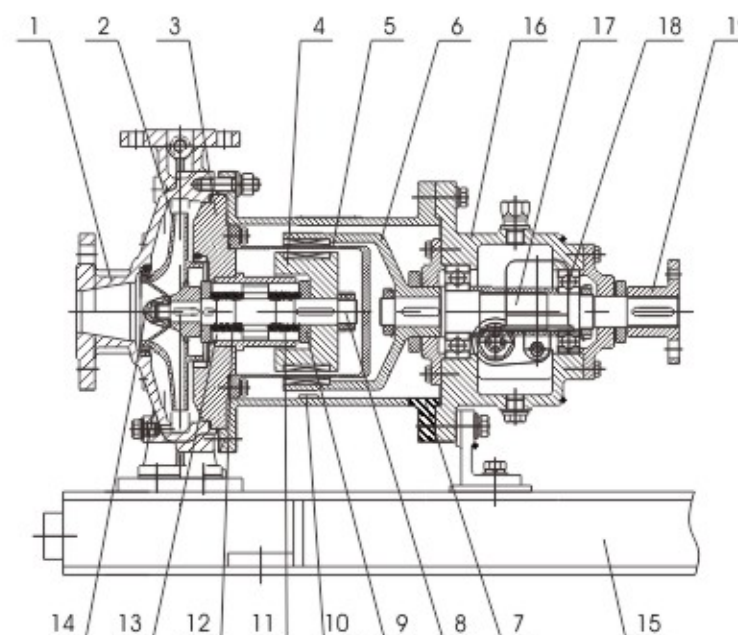
### SKETCH MAP OF STRUCTURE

MONOBLOCK TYPE



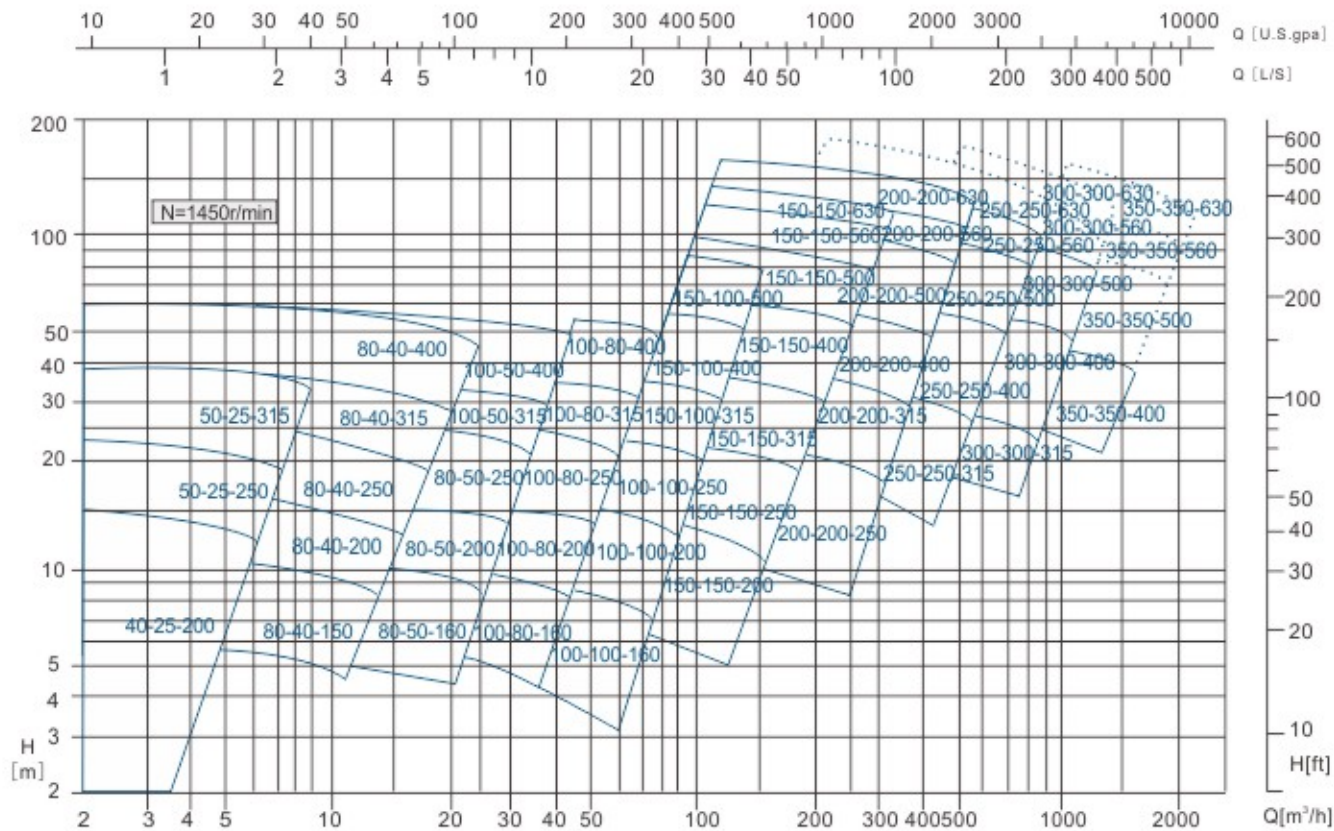
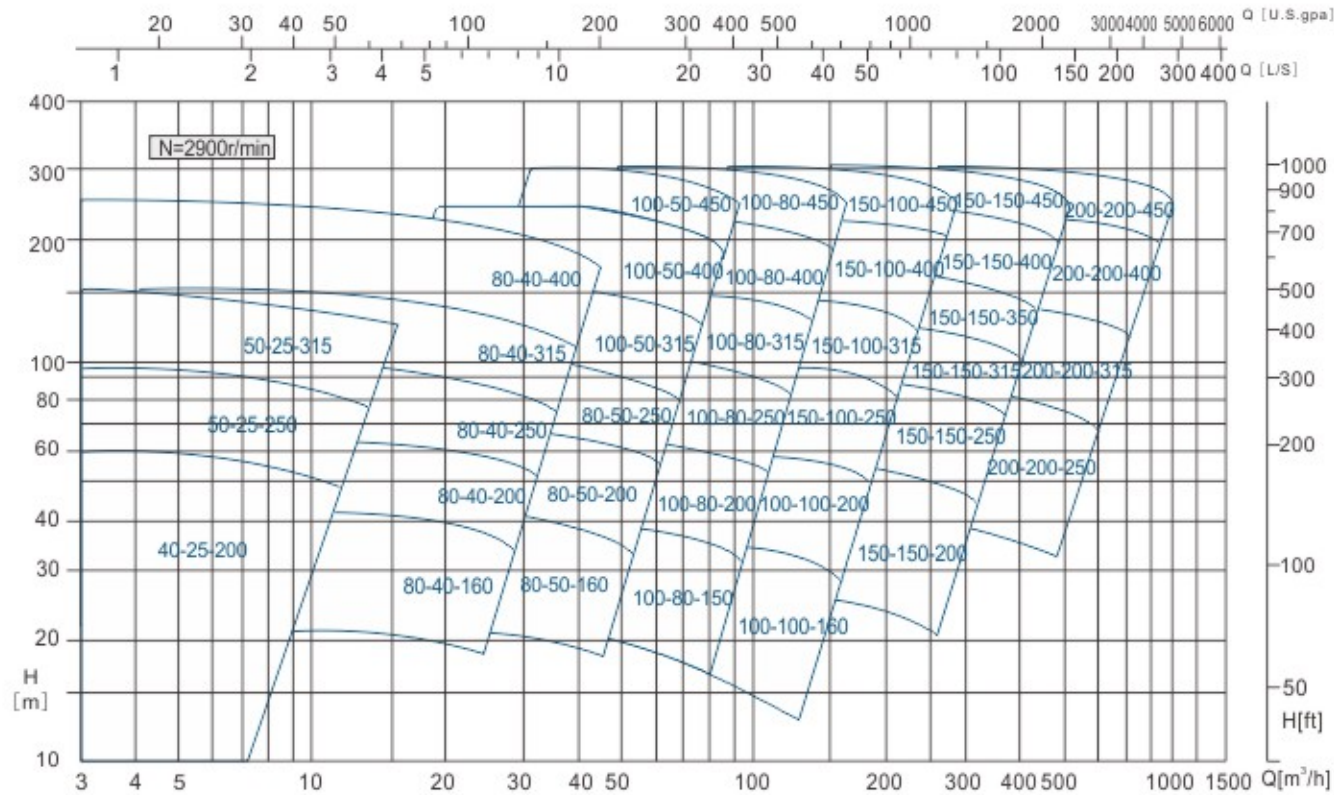
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DIVIDED TYPE



- 01 Casing
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- 15 Base plate
- 16 Bearing Box
- 17 Drive shaft
- 18 Rolling bearing
- 19 Coupling

### PERFORMANCE CURVE



### MATERIAL SELECTION

There are CS, 1Cr13, 0Cr18Ni9(304), 0Cr18Ni12Mo2Ti(316), Ti alloy can be chosen according different medium and work condition.

### PERFORMANCE RANGE

- Caliber: DN25~DN200mm
- Capacity: 4~300m<sup>3</sup>/h
- Head: ≤194m
- Rotate speed: 2900r/min; 1450r/min
- Work temperature: ≤175°C(MDPA); ≤350°C(MDPE)
- Viscosity: ≤100mm<sup>2</sup>/s
- Pressure: ≤2.5Mpa(MDPA); ≤5.0Mpa(MDPE)
- Motor power: 1.1~160kW

### PERFORMANCE PARAMETER

Model	Impeller	Rating rotate speed n=2900r/min									Rating rotate speed n=1450r/min														
		Capacity	Head	S.G.r=1			S.G.r=1.35			S.G.r=1.84			Capacity	Head	S.G.r=1			S.G.r=1.35			S.G.r=1.84				
				Model	kW	Model	Model	kW	Model	kW	Model	kW			Model	kW	Model	kW	Model	kW	Model	kW	Model	kW	
		m <sup>3</sup> /h	m	kW	Model	kW	Model	kW	Model	kW	Model	kW	Model	kW	Model	kW	Model	kW	Model	kW	Model	kW	Model	kW	
40-25-200	A	11.5	49	7.5	132S2-2	11	160M1-2	15	160M2-2	5.8	12	1.1	90S-4	1.1	90S-4	1.5	90L-4								
	B	10.5	42	5.5	132S1-2	7.5	132S2-2	11	160M1-2	5.4	11	1.1	90S-4	1.1	90S-4	1.5	90L-4								
	C	9	36	4	112M-2	5.5	132S1-2	7.5	132S2-2	4.6	8.5	1.1	90S-4	1.1	90S-4	1.1	90S-4								
	D	7.5	28	3	100L-2	4	112M-2	5.5	132S1-2	4	6.5	1.1	90S-4	1.1	90S-4	1.1	90S-4								
50-25-250	A	11.5	80	15	160M2-2	18.5	160L-2	30	300L1-2	8	17	3	100L2-4	4	112M-4	5.5	132S-4								
	B	9.5	67	15	160M2-2	18.5	160L-2	22	180M-2	7	16.5	3	100L2-4	4	112M-4	5.5	132S-4								
	C	8.8	50	11	160M1-2	15	160M2-2	18.5	160L-2	6.5	12	3	100L2-4	4	112M-4	5.5	132S-4								
	D	8.5	30	7.5	132S2-2	11	160M1-2	15	160M2-2	6	6.5	2.2	100L1-4	3	100L2-4	4	112M-4								
50-25-315	A	21	128	45	225M-2	55	250M-2	75	280S-2	9.6	32	7.5	132M-4	11	160M-4	15	160L-4								
	B	18	115	37	200L2-2	55	250M-2	75	280S-2	8.5	30	5.5	132S-4	11	160M-4	15	160L-4								
	C	16	100	37	200L2-2	45	225M-2	55	250M-2	7.5	25	5.5	132S-4	7.5	132M-4	11	160M-4								
	D	14	90	30	300L1-2	45	225M-2	55	250M-2	7	22	5.5	132S-4	7.5	132M-4	11	160M-4								
80-40-160	A	28	33	7.5	132S2-2	11	160M1-2	15	160M2-2	14	8	1.1	90S-4	1.5	90L-4	2.2	100L1-4								
	B	25.5	29	7.5	132S2-2	11	160M1-2	15	160M2-2	13	7	1.1	90S-4	1.5	90L-4	2.2	100L1-4								
	C	22	22	5.5	132S1-2	7.5	132S2-2	11	160M1-2	11	5.5	1.1	90S-4	1.1	90S-4	1.5	90L-4								
	D	20	16	4	112M-2	4	112M-2	7.5	132S2-2	9.5	4.5	1.1	90S-4	1.1	90S-4	1.1	90S-4								





(continuation)

Model	Impeller	Rating rotate speed n=2900r/min								Rating rotate speed n=1450r/min											
		Capacity		Head		S.G.r=1		S.G.r=1.35		S.G.r=1.84		Capacity		Head		S.G.r=1		S.G.r=1.35		S.G.r=1.84	
		m <sup>3</sup> /h	m	kW	Model	kW	Model	kW	Model	m <sup>3</sup> /h	m	kW	Model	kW	Model	kW	Model				
150-100-400	A	300	194							150	48	45	225M-4	55	250M-4	90	280M-4				
	B	290	180							145	44	37	225S-4	55	250M-4	75	280S-4				
	C	260	145							130	36	30	200L-4	37	225S-4	55	250M-4				
	D	224	105	160	315L1-2					115	26	22	180L-4	30	200L-4	37	225S-4				
150-100-500	A									180	75	90	280M-4	110	315S-4	132	315M-4				
	B									167	68	75	280S-4	90	280M-4	132	315M-4				
	C									142	53	55	250M-4	75	280S-4	90	280M-4				
	D									120	42	37	225S-4	45	225M-4	75	280S-4				
150-150-200	A	320	44	75	280S-2	90	280M-2			160	11	11	160M-4	15	160L-4	18.5	180M-4				
	B	300	39	55	250M-2	90	280M-2	110	315S-2	152	9.5	11	160M-4	15	160L-4	18.5	180M-4				
	C	265	30	45	225M-2	55	250M-2	90	280M-2	140	7	7.5	132M-4	11	160M-4	15	160L-4				
	D	220	23	30	300L1-2	45	225M-2	55	250M-2	123	5	4	112M-4	5.5	132S-4	7.5	132M-4				
150-150-250	A	390	74	132	315M-2					195	18.5	18.5	180M-4	30	200L-4	37	225S-4				
	B	355	62	110	315S-2	160	315L1-2			180	16	18.5	180M-4	22	180L-4	30	200L-4				
	C	325	46	90	280M-2	132	315M-2	160	315L1-2	160	11.5	15	160L-4	15	160L-4	18.5	180M-4				
	D																				
150-150-315	A	442	125							220	32.5	37	225S-4	55	250M-4	75	280S-4				
	B	430	120							210	30	37	225S-4	45	225M-4	75	280S-4				
	C	372	94							180	24	30	200L-4	37	225S-4	45	225M-4				
	D	310	68	132	315M-2	160	315L1-2			150	17	18.5	180M-4	22	180L-4	30	200L-4				
150-150-400	A									260	51	75	280S-4	90	280M-4	132	315M-4				
	B									250	48	75	280S-4	90	280M-4	110	315S-4				
	C									225	38	45	225M-4	75	280S-4	90	280M-4				
	D									200	28	37	225S-4	45	225M-4	75	280S-4				
200-200-250	A	610	72							305	17.5	30	200L-4	37	225S-4	55	250M-4				
	B	580	65							290	16	22	180L-4	37	225S-4	45	225M-4				
	C	520	47	132	315M-2	160	315L1-2			260	12	18.5	180M-4	22	180L-4	37	225S-4				
	D	470	32	90	280M-2	110	315S-2	132	315M-2	240	8	15	160L-4	18.5	180M-4	18.5	180M-4				
200-200-315	A	710	122							350	30	55	250M-4	75	280S-4	90	280M-4				
	B	680	114							340	29	45	225M-4	75	280S-4	90	280M-4				
	C	600	87							300	22	37	225S-4	45	225M-4	75	280S-4				
	D	480	65	160	315L1-2					250	15	22	180L-4	30	200L-4	37	225S-4				
200-200-400	A									426	50	110	315S-4	132	315M-4						
	B									410	47	90	280M-4	132	315M-4	160	315L1-4				
	C									370	36.5	75	280S-4	90	280M-4	132	315M-4				
	D									332	27	55	250M-4	75	280S-4	90	280M-4				

Note: In this table, there are flow and head, but if the pump has no power value, or the power out of 160kW, must be determined when ording.

## MDPQ MAGNETIC DRIVE TANGENTIAL FLOW PUMP

### GENERAL

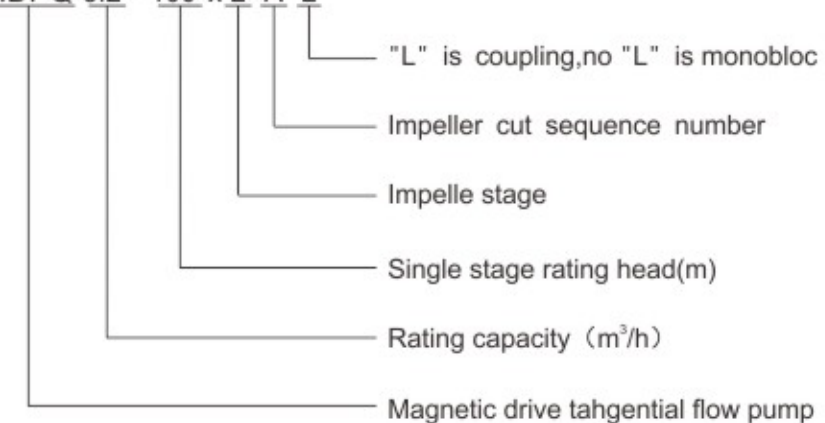
MDPQ series petrochemical process pumps are designed according to API610 and API685. This pump is single-stage or double stage impeller back to back structure, compare with the multilevel stage pump or high speed pump, it has simple structure, shorter shaft, less components, easier to repair. Symmetrical impeller eliminate the axial force, heightens the effect.

The pump can be widely used in chemical industry, petrochemical industry, Pharmaceuticals, bioengineering, printing and dyeing, food, etc. the liquid should be not include the particle. And it is special for pumping the inflammable, explosive, poisonous, deleterious, mordant and expansive liquid. Its characteristic is that the MDPQ special for low flow and high head work condition.



### MEANING OF THE MODEL

EX: MDPQ 3.2 -100 x 2 A L

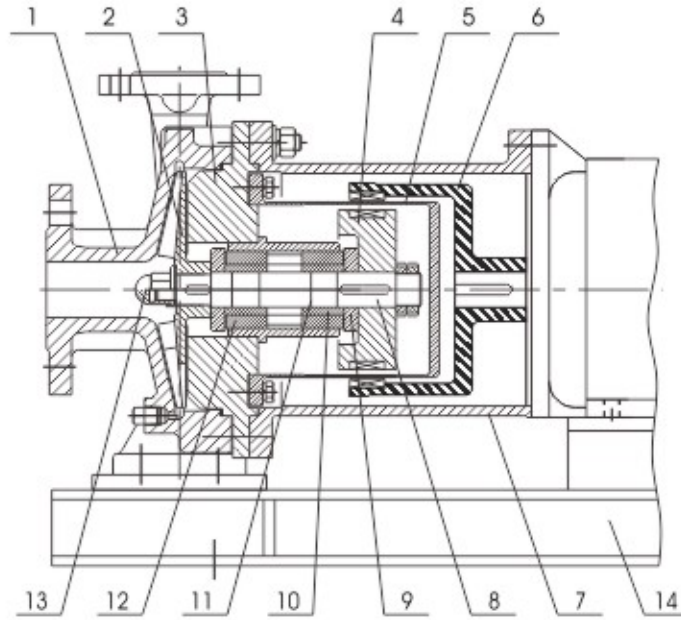


### MATERIAL SELECTION

There are CS, 1Cr13, 0Cr18Ni9(304), 0Cr18Ni12Mo2Ti(316), Ti alloy can be choosed according different medium and work condition.

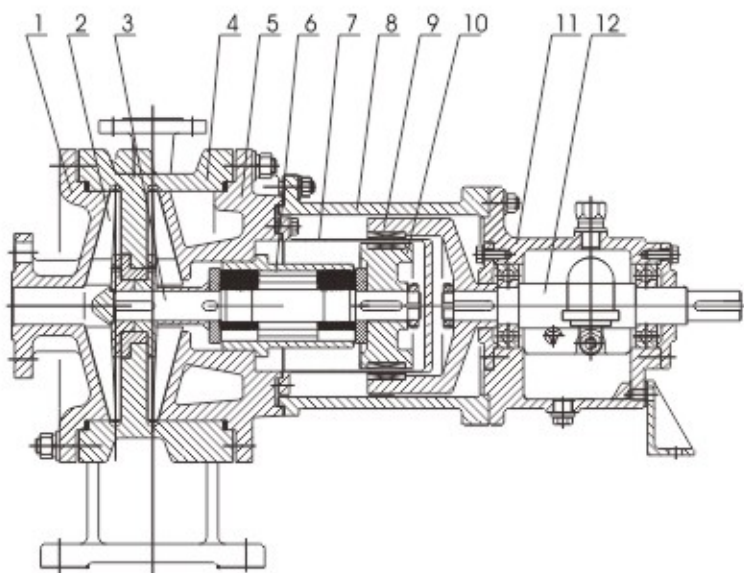
### SKETCH MAP OF STRUCTURE

ONE-STAGE



- 01 Casing
- 02 Impeller
- 03 Pump cover
- 04 Inner magnetic part
- 05 Insulate sheath
- 06 Outer magnetic part
- 07 Connect frame
- 08 Shaft
- 09 Thrust ring
- 10 Shaft sleeve
- 11 Compensating ring
- 12 Slide bearing
- 13 Impeller nut
- 14 Base plate

TWO-STAGE

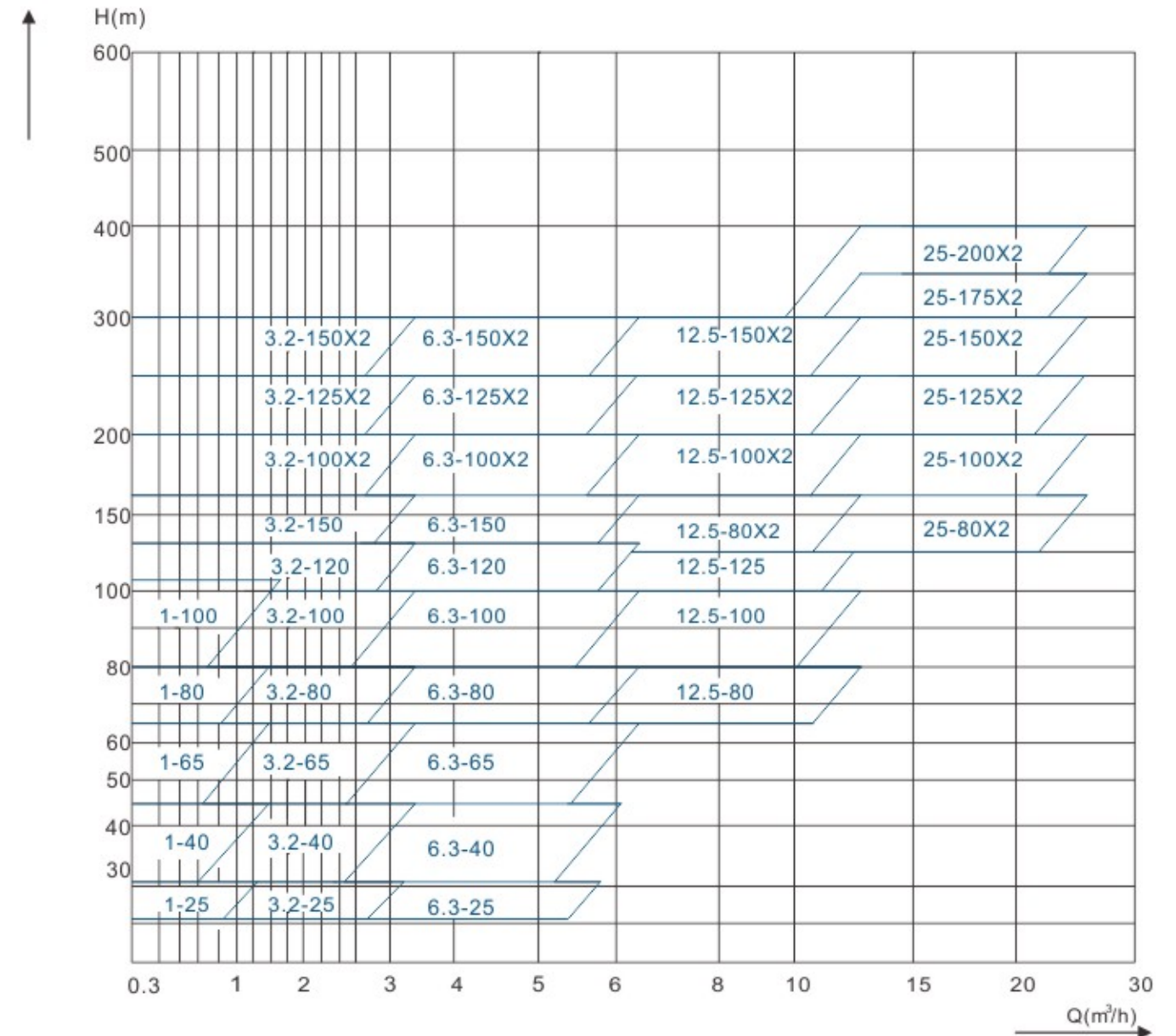


- 01 Pump front cover
- 02 Impeller
- 03 Shaft
- 04 Casing
- 05 Pump cover
- 06 Slide bearing components
- 07 Insulate sheath
- 08 Connect frame
- 09 Outer magnetic part
- 10 Inner magnetic part
- 11 Bearing box part
- 12 Drive shaft

### PERFORMANCE RANGE

Caliber: DN25~DN80mm  
 Capacity: 0.6~40m<sup>3</sup>/h  
 Head: 25~400m  
 Rotate speed: 2900r/min  
 Work temperature: ≤350℃  
 Pressure: ≤2.5Mpa (underprop is footing);  
 ≤5.0Mpa (underprop is centerline)  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Motor power: 1.1~160kW

### PERFORMANCE CURVE



### PERFORMANCE PARAMETER

Model	Capacity (m <sup>3</sup> /h)	Head (m)	Rotate speed (r/min)	Motor power (kW)	Efficiency (%)	NPSHr (m)	Inlet × Outlet (mm)
MDPQ 0.6-25	0.6	25	2900	1.1	7	2.0	40×25
MDPQ 0.6-40	0.6	40		3	7	2.0	
MDPQ 0.6-65	0.6	65		4	6	2.0	
MDPQ 0.6-80	0.6	80		7.5	6	2.0	
MDPQ 1-25	1	25	2900	1.5	8	2.0	40×25
MDPQ 1-40	1	40		4	6	2.0	
MDPQ 1-65	1	65		5.5	5	2.0	
MDPQ 1-80	1	80		7.5	5	2.0	
MDPQ 1-100	1	100	2900	11	4	2.0	40×25
MDPQ 3.2-25	3.2	25		3	12	2.2	
MDPQ 3.2-40	3.2	40		4	11	2.2	
MDPQ 3.2-65	3.2	65		7.5	10	2.2	
MDPQ 3.2-80	3.2	80	2900	11	9	2.2	40×25
MDPQ 3.2-100	3.2	100		15	8	2.2	
MDPQ 3.2-120	3.2	120		18.5	8	2.5	
MDPQ 3.2-150	3.2	150		22	8	2.5	
MDPQ 3.2-100×2	3.2	200	2900	30	8	2.5	40×25
MDPQ 3.2-125×2	3.2	250		37	7	2.5	
MDPQ 3.2-150×2	3.2	300		45	7	2.5	
MDPQ 6.3-25	6.3	25		3	22	2.5	
MDPQ 6.3-40	6.3	40	2900	5.5	20	2.5	40×25
MDPQ 6.3-65	6.3	65		7.5	18	2.5	
MDPQ 6.3-80	6.3	80		11	16	2.5	
MDPQ 6.3-100	6.3	100		15	15	2.5	
MDPQ 6.3-120	6.3	120	2900	18.5	14	2.5	40×25
MDPQ 6.3-150	6.3	150		22	14	2.5	
MDPQ 6.3-100×2	6.3	200		30	13	2.5	
MDPQ 6.3-125×2	6.3	250		45	12	2.5	
MDPQ 6.3-150×2	6.3	300	2900	55	11	2.5	50×32
MDPQ 12.5-80	12.5	80		18.5	22	2.5	
MDPQ 12.5-100	12.5	100		22	19	2.5	
MDPQ 12.5-125	12.5	125		30	17	2.5	
MDPQ 12.5-150	12.5	150	2900	37	16	2.5	50×32
MDPQ 12.5-100×2	12.5	200		45	19	2.5	
MDPQ 12.5-125×2	12.5	250		55	18	2.5	
MDPQ 12.5-150×2	12.5	300		75	17	2.5	
MDPQ 25-80×2	25	160	2900	45	31	2.7	80×40
MDPQ 25-100×2	25	200		55	29	2.7	
MDPQ 25-125×2	25	250		75	28	2.7	
MDPQ 25-150×2	25	300		90	26	2.7	
MDPQ 25-175×2	25	350	2900	110	25	2.7	80×40
MDPQ 25-200×2	25	400		132	24	2.7	
MDPQ 40-150	40	150		75	31	3.2	
MDPQ 40-100×2	40	200		75	34	3.2	
MDPQ 40-125×2	40	250	2900	90	33	3.2	80×40
MDPQ 40-150×2	40	300		110	33	3.2	
MDPQ 40-175×2	40	350		132	32	3.2	
MDPQ 40-200×2	40	400		160	30	3.2	

Note: We can special design for you if the pump is not including in this table.

## CQ MAGNETIC PUMP

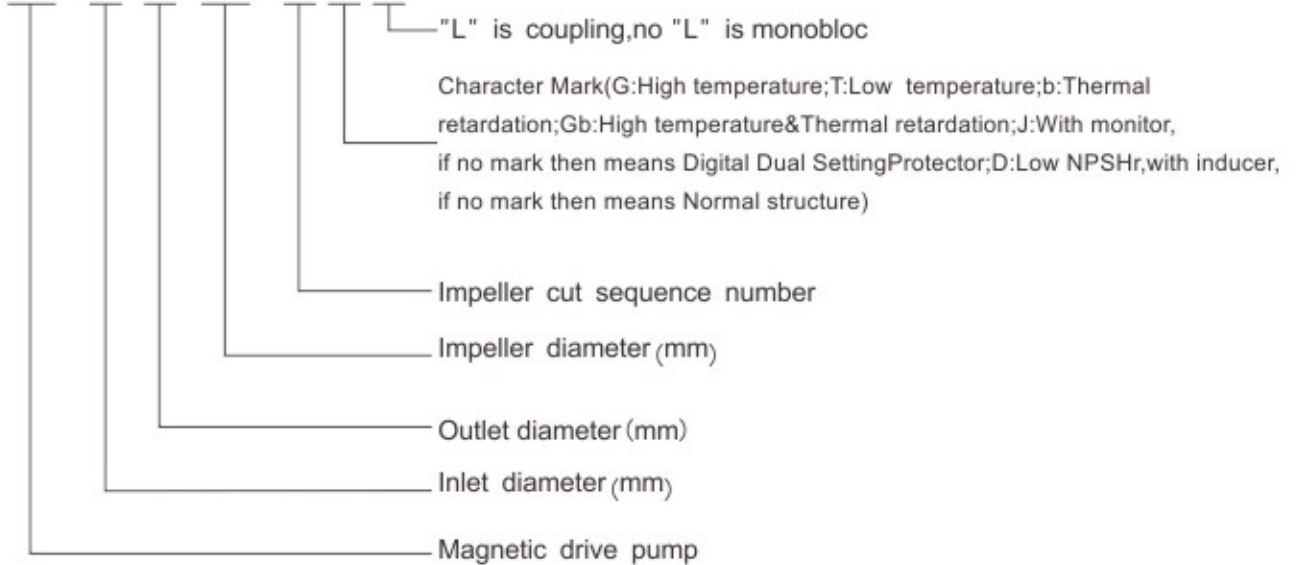
### GENERAL

CQ magnetic pump single stage single suction horizontal structure, transfer the torque via the magnetic coupling. There are various stainless steel (321,304,316,316L) can be choosed according to the different medium.



### MEANING OF THE MODEL

EX: CQ 50-32-160 A G L

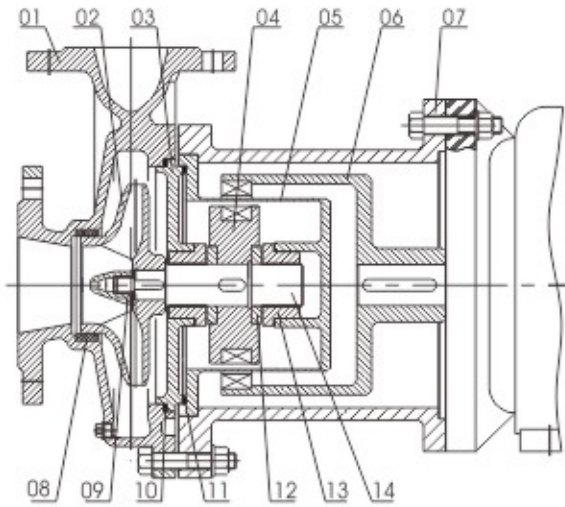


### OPERATION PARAMETER

Caliber: DN15~DN200mm  
 Capacity: 0.4~400m<sup>3</sup>/h  
 Head: 3~125m  
 Rotate speed: 2900r/min; 1450r/min  
 Work temperature: ≤120℃  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Motor power: 0.12~132kW

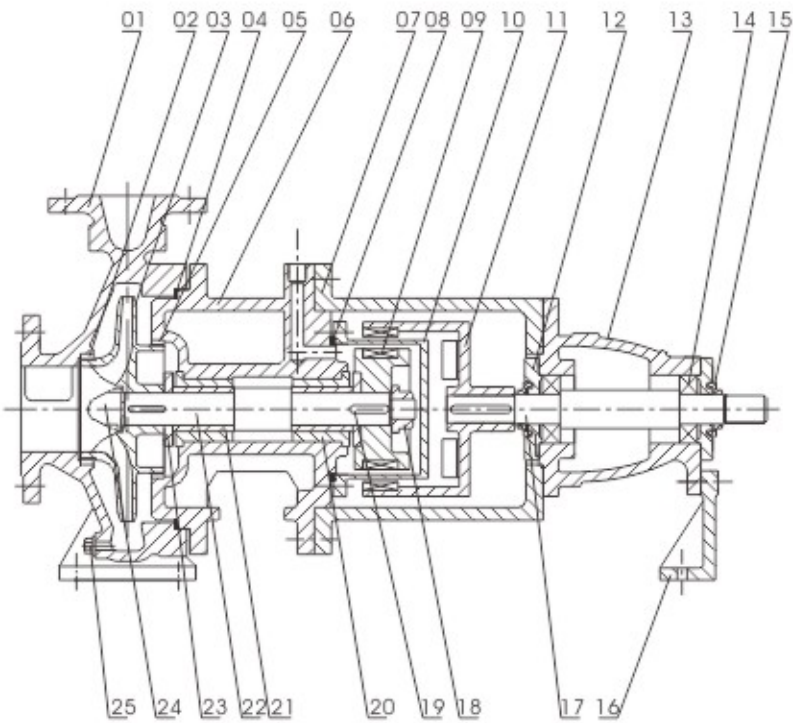
### SKETCH MAP OF STRUCTURE

MONOBLOCK TYPE



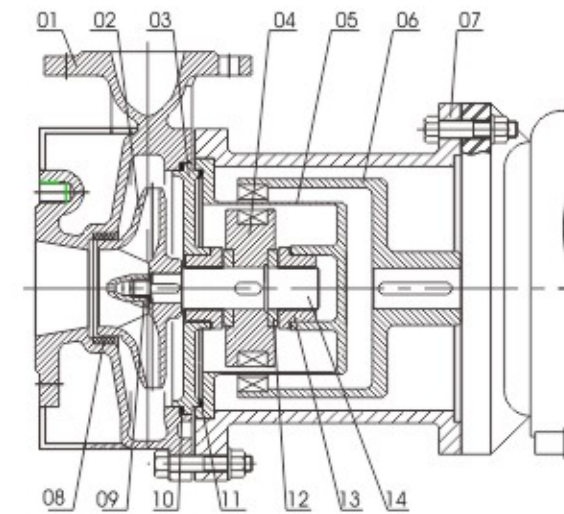
- 01 Casing
- 02 Impeller
- 03 Dummy plate
- 04 Inner magnetic part
- 05 Insulate sheath
- 06 Outer magnetic part
- 07 Connect frame
- 08 Mouth ring
- 09 Impeller nut
- 10 Front seal ring
- 11 Back seal ring
- 12 Thrust ring
- 13 Sliding bearing
- 14 Shaft

DIVIDED TYPE



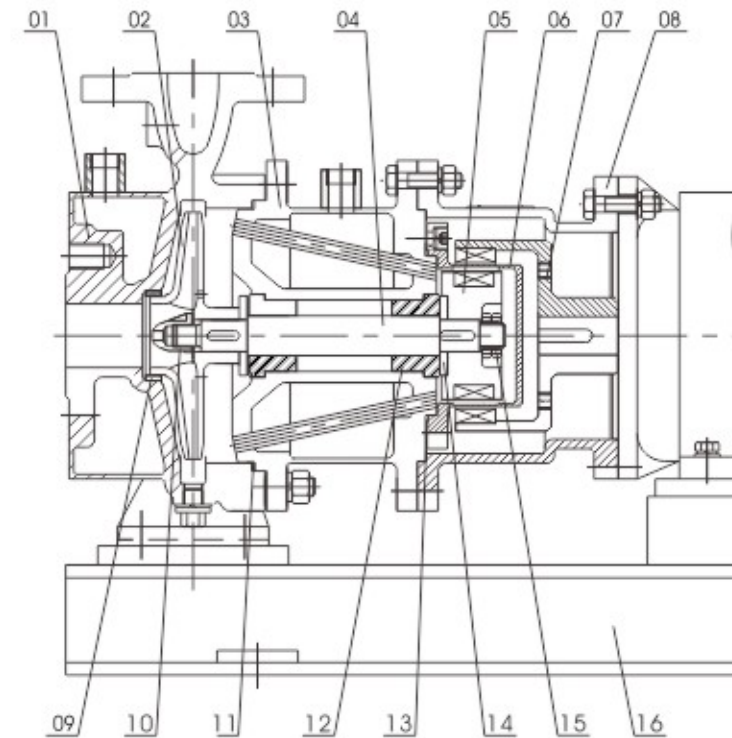
- 01 Casing
- 02 Anterior mouth ring
- 03 Impeller
- 04 Front seal ring
- 05 Back mouth ring
- 06 Bearing body
- 07 Connect frame
- 08 Back seal ring
- 09 Inner magnetic part
- 10 Insulate sheath
- 11 Outer magnetic part
- 12 Bearing cover
- 13 Bracket
- 14 Rolling bearing
- 15 Dust-proof plate
- 16 Bracket frame
- 17 Drive shaft
- 18 Latch nut
- 19 Key
- 20 Bearing
- 21 Shaft sleeve
- 22 Shaft
- 23 Thrust ring
- 24 Impeller nut
- 25 Pipe plug

HIGH TEMPERATURE & THERMAL (TEMPERATURE:  $\leq 180^{\circ}\text{C}$ )



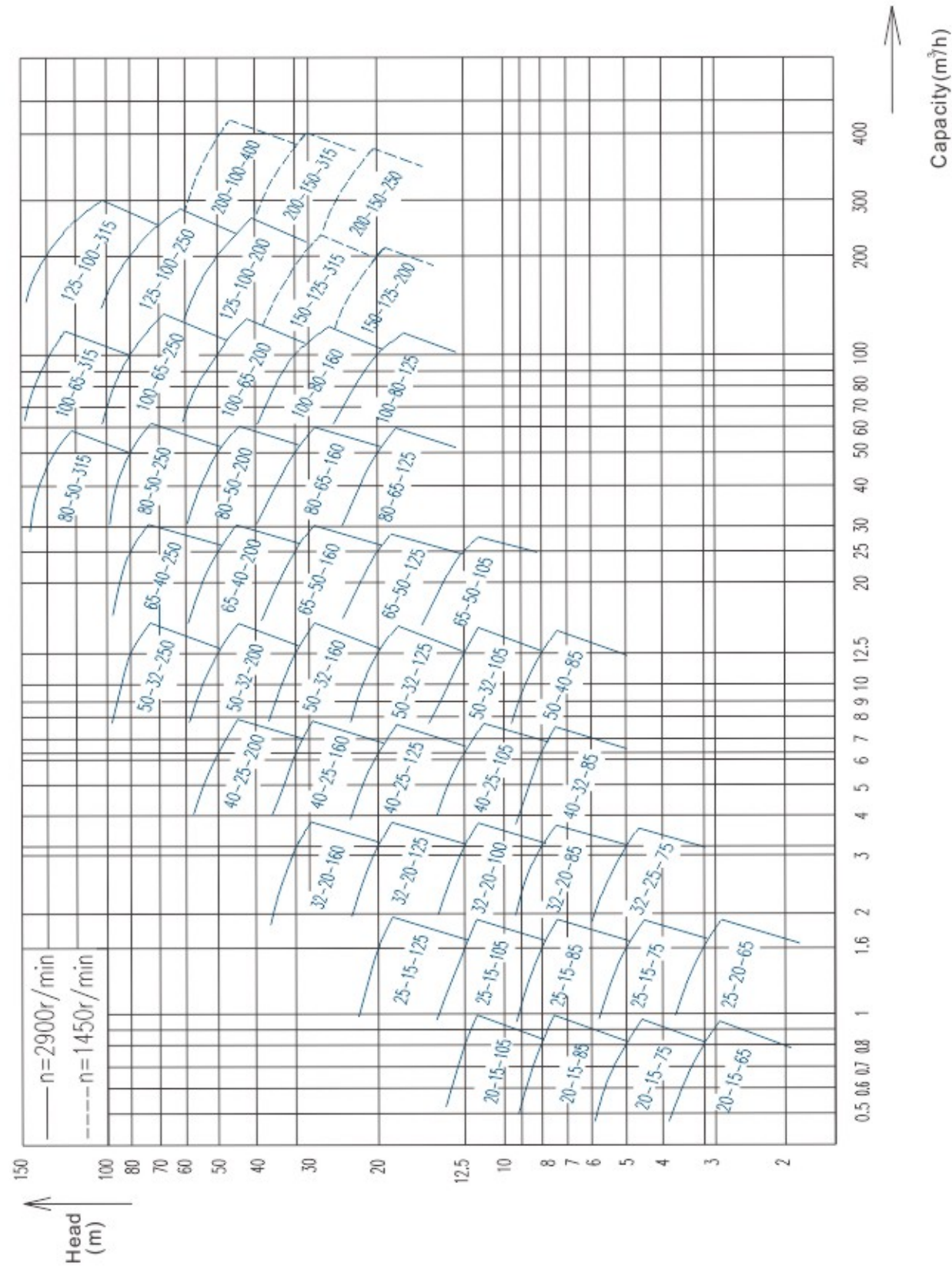
- 01 Casing
- 02 Impeller
- 03 Dummy plate
- 04 Inner magnetic part
- 05 Insulate sheath
- 06 Outer magnetic part
- 07 Connect frame
- 08 Mouth ring
- 09 Impeller nut
- 10 Front seal ring
- 11 Back seal ring
- 12 Thrust ring
- 13 Sliding bearing
- 14 Shaft

HIGH TEMPERATURE & THERMAL (TEMPERATURE:  $180 < T \leq 350^{\circ}\text{C}$ )



- 01 Casing
- 02 Impeller
- 03 Bearing body
- 04 Shaft
- 05 Inner magnetic part
- 06 Insulate sheath
- 07 Outer magnetic part
- 08 Connect frame
- 09 Mouth ring
- 10 Impeller nut
- 11 Front seal ring
- 12 Sliding bearing
- 13 Back seal ring
- 14 Thrust ring
- 15 Locknut
- 16 plate

### PERFORMANCE CURVE



### PERFORMANCE PARAMETER

Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)	Weight (kg)
	(m³/h)	(L/S)					
CQ15-10-75	0.4	0.11	5	2900	0.12	3.0	6.5
CQ15-10-85			8		0.12		8
CQ20-15-65	0.8	0.22	3.2		0.12	3.0	7
CQ20-15-75			5		0.12		9
CQ20-15-85			8		0.18		10
CQ20-15-105			12.5		0.37		12
CQ25-15-65	1.6	0.44	3.2		0.12	3.0	8
CQ25-15-75			5		0.18		10
CQ25-15-85			8		0.37		12
CQ25-15-105			12.5		0.37		14
CQ25-15-125			20		1.1		18
CQ25-15-160			32		1.5		38
CQ32-20-75	3.2	0.89	5		0.37	3.2	25
CQ32-20-85			8		0.37		30
CQ32-20-105			12.5		0.55		33
CQ32-20-125			20		1.1		35
CQ32-20-160			32		1.5		40
CQ32-20-200			48		4		62
CQ40-25-85	6.3	1.75	8		0.75	3.5	25
CQ40-25-105			12.5		1.1		30
CQ40-25-125			20	1.5	40		
CQ40-25-160			32	2.2	50		
CQ40-25-200	50	4	70				
CQ50-32-85	12.5	3.47	8	1.1	3.5	45	
CQ50-32-105			12.5	2.2		50	
CQ50-32-125			20	3		65	
CQ50-32-160			32	4		85	
CQ50-32-200			50	7.5		120	
CQ50-32-250			80	15		255	

Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)	Weight (kg)
	(m <sup>3</sup> /h)	(L/S)					
CQ65-50-105	25	6.94	12.5	2900	3	3.5	65
CQ65-50-125			20		5.5		95
CQ65-50-150			25		7.5		103
CQ65-50-160			32		7.5		105
CQ65-40-200			50		15		175
CQ65-40-250			80		22		240
CQ80-65-125	50	13.89	20		7.5	3.8	110
CQ80-65-160			32		15		174
CQ80-50-200			50		18.5		197
CQ80-50-250			80		37		405
CQ80-50-315			125		45		620
CQ100-80-125	100	27.78	20		15	4.2	180
CQ100-80-160			32	18.5	230		
CQ100-65-200			50	30	340		
CQ100-65-250			80	45	550		
CQ100-65-315			125	90	705		
CQ125-100-200	200	55.56	50	55	5.5	600	
CQ125-100-250			80	90		730	
CQ125-100-315			125	132		1150	
CQ150-125-250	400	111.11	20	1450	5.8	230	
CQ150-125-315			32			37	535
CQ125-125-400			50			75	590
CQ200-150-250			20			45	550
CQ200-150-315	32	75	650				
CQ200-150-400	50	110	860				

Note: We can special design for you if the pump is not including in this table.

## CQ-Z MAGNETIC SELF-SUCTION PUMP

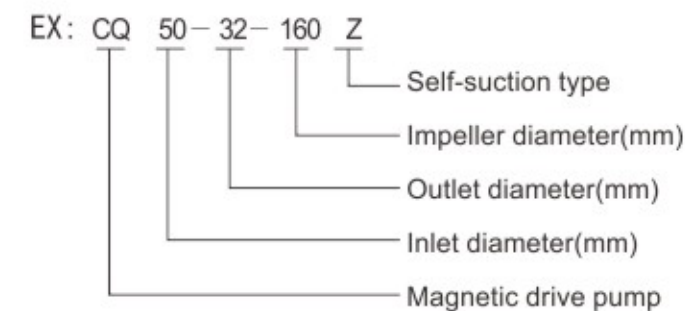
### GENERAL

CQ-Z is applicable for the work occasion which the pump should move frequently or the pump higher than the liquid level, temperature is -45°C~120°C.

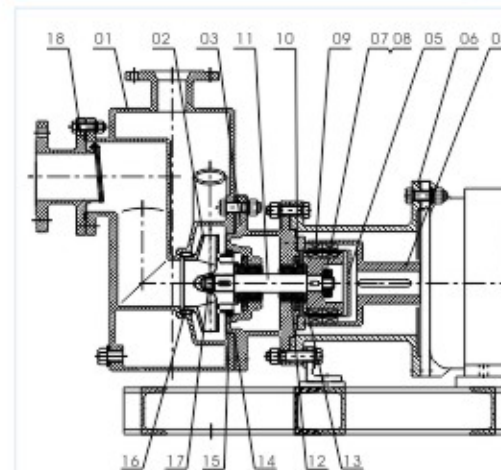
### CHARACTER

- 1.No need watering before starting the pump, easy to operate;
- 2.There is special inlet stainless steel non-return valve to ensure the medium will not return;
- 3.No need to fix the bottom valve, high efficiency;
- 4.Adopt the external mixing type self-suction structure,simple structure.

### MEANING OF THE MODEL



### SKETCH MAP OF STRUCTURE



- |                        |                        |
|------------------------|------------------------|
| 01 Casing              | 10 Back seal ring      |
| 02 Impeller            | 11 Shaft               |
| 03 Dummy plate         | 12 Slide bearing       |
| 04 Outer magnetic part | 13 Thrust ring         |
| 05 Insulate sheath     | 14 Anterior seal ring  |
| 06 Connect frame       | 15 Back mouth ring     |
| 07 Lock nut            | 16 Anterior mouth ring |
| 08 Lock washer         | 17 Impeller nut        |
| 09 Inner magnetic part | 18 Check valve         |

### OPERATION PARAMETER

Caliber: DN20~DN125mm  
 Capacity: 0.8~200m<sup>3</sup>/h  
 Head: 8~75m  
 Rotate speed: 2900r/min  
 Work temperature: ≤120℃  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Motor power: 0.37~90kW

### PERFORMANCE PARAMETER

Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	Self-suction height (m)	Weight (kg)		
	(m <sup>3</sup> /h)	(L/S)							
CQ20-15-105Z	0.8	0.22	12	2900	0.37	2.0	18		
CQ25-15-105Z			12		0.55		20		
CQ25-15-125Z			1.6		0.44	19	1.1	4.0	25
CQ25-15-160Z						32	1.5	3	40
CQ32-20-105Z	3.2	0.89	12.5		0.55	2.0	20		
CQ32-20-125Z			19		1.1	4.0	40		
CQ32-20-160Z			30		2.2	5.0	50		
CQ32-20-200Z			50		4	3.2	65		
CQ40-25-85Z	6.3	1.75	8		0.75	2.0	32		
CQ40-25-105Z			12		1.1	3.0	40		
CQ40-25-125Z			19		1.5	4.0	50		
CQ40-25-160Z			31		3	5.0	62		
CQ40-25-200Z			45		5.5		85		
CQ50-32-85Z	12.5	3.47	8		1.1	4.0	60		
CQ50-32-105Z			12		2.2		65		
CQ50-32-125Z			19		3		78		
CQ50-32-160Z			28		4	5.0	100		
CQ50-32-200Z			47		7.5	5.0	140		
CQ50-32-250Z			75		15	6.0	295		
CQ65-50-125Z	25	6.94	19		5.5	5.0	110		
CQ65-50-150Z			23	7.5	120				
CQ65-50-160Z			30	7.5	120				
CQ65-40-200Z			47	15	200				
CQ65-40-250Z			75	18.5	6.0		265		
CQ80-65-125Z	50	13.89	19	7.5	5.0	135			
CQ80-65-160Z			26	15		200			
CQ80-50-200Z			45	18.5		245			
CQ80-50-250Z			75	37		6.0	405		
CQ100-80-125Z	100	27.78	17	15	5.0	220			
CQ100-80-160Z			30	18.5		280			
CQ100-65-200Z			47	30		400			
CQ100-65-250Z			75	45		6.0	600		
CQ125-100-200Z			200	55.50		47	55	5.0	670
CQ125-100-250Z	75	90			4.5	780			

Note: We can special design for you if the pump is not including in this table. We can also design reinforced polypropylene with fluoroplastics centrifugal self-priming pump according to the customers' demand.

## CQG MAGNETIC PIPE-LINE PUMP

### GENERAL

CQG magnetic drive single stage single suction pipeline centrifugal pump, it is a late-model vertical magnetic pump designed on the base of IHG vertical pipeline mounted pump. Embodying the advantages of IHG pump, this type is provided with magnetic drive for leak-tight delivery of liquid.

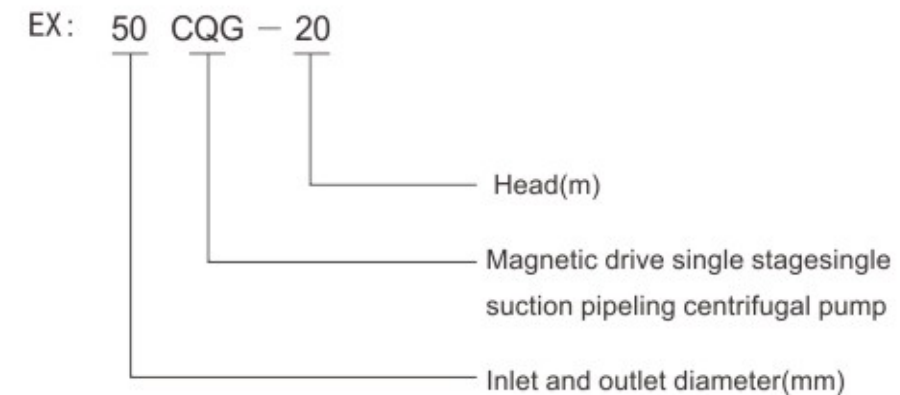
CQG magnetic pipeline pump can be directly mounted to any position on the pipeline, and carries out pressurization to the medium inside pipeline. It can directly replace IHG pump for the convenience of making replacement.



### CHARACTER

1. Vertical fixing, compact structure, small volume;
2. Inlet caliber is same as outlet caliber, it is very convenient to fixing because of this special structure.

### MEANING OF THE MODEL



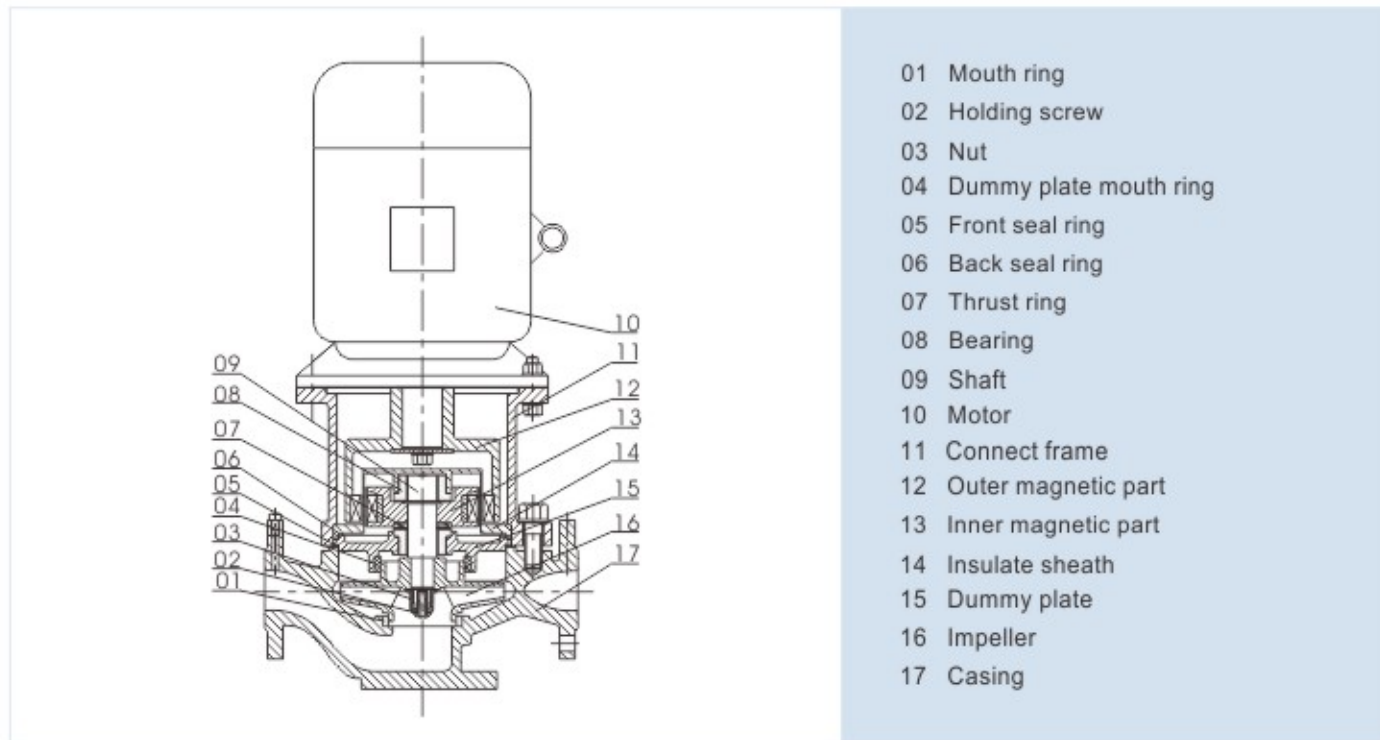
PUMP WITH MONITOR



### OPERATION PARAMETER

Caliber: DN15~DN125mm  
 Capacity: 0.4~160m<sup>3</sup>/h  
 Head: 5~80m  
 Rotate speed: 2900r/min  
 Work temperature: ≤120℃  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Motor power: 0.09~55kW

### SKETCH MAP OF STRUCTURE



- 01 Mouth ring
- 02 Holding screw
- 03 Nut
- 04 Dummy plate mouth ring
- 05 Front seal ring
- 06 Back seal ring
- 07 Thrust ring
- 08 Bearing
- 09 Shaft
- 10 Motor
- 11 Connect frame
- 12 Outer magnetic part
- 13 Inner magnetic part
- 14 Insulate sheath
- 15 Dummy plate
- 16 Impeller
- 17 Casing

### PERFORMANCE PARAMETER

Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)	Weight (kg)
	(m <sup>3</sup> /h)	(L/S)					
15CQG-5	0.4	0.11	5	2900	0.09	2.5	22
15CQG-8			8		0.12		25
20CQG-8	0.8	0.22	8		0.12		30
20CQG-12			12		0.18		35
25CQG-8	1.6	0.44	8		0.37		28
25CQG-12			12		0.55		32
25CQG-20			20		0.75		40
							2.0

(continuation)

Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)	Weight (kg)	
	(m <sup>3</sup> /h)	(L/S)						
32CQG-8	3.2	0.89	8	2900	0.37	2.5	30	
32CQG-12			12		0.75		35	
32CQG-20			20		1.1		50	
32CQG-32			32		1.5		55	
40CQG-12	6.3	1.75	12		2.0	1.1	50	
40CQG-20			20			1.5	53	
40CQG-32			32			3/2.2	68	
40CQG-50			50			4	105	
50CQG-8	12.5	3.47	8		2.5	1.1	50	
50CQG-12			12			2.2	65	
50CQG-20			20			3	69	
50CQG-32			32			4	95	
50CQG-50			50			7.5		127
65CQG-20	25	6.94	20		2.0	5.5	130	
65CQG-32			32			7.5	138	
65CQG-50			50			15	198	
65CQG-80			80	22		280		
80CQG-20	50	13.89	20	3.0	7.5	130		
80CQG-32			32		11	185		
80CQG-50			50		18.5	250		
80CQG-80			80		37	350		
100CQG-20	100	27.78	20	4.5	15	200		
100CQG-32			32		18.5	280		
100CQG-50			50		30	350		
100CQG-80			80		55	450		
125CQG-20	160	44.44	20	4.0	18.5	280		
125CQG-32			32		30	390		
125CQG-50			50		55	500		

Note: We can special design for you if the pump is not including in this table.

## CQW MAGNETIC EDDY PUMP

### GENERAL

CQW magnetic drive eddy pump, can be used in chemical industrial, medicament, It have small flow and high head character.

### MEANING OF THE MODEL

EX: CQ W 15 - 40

Head(m)

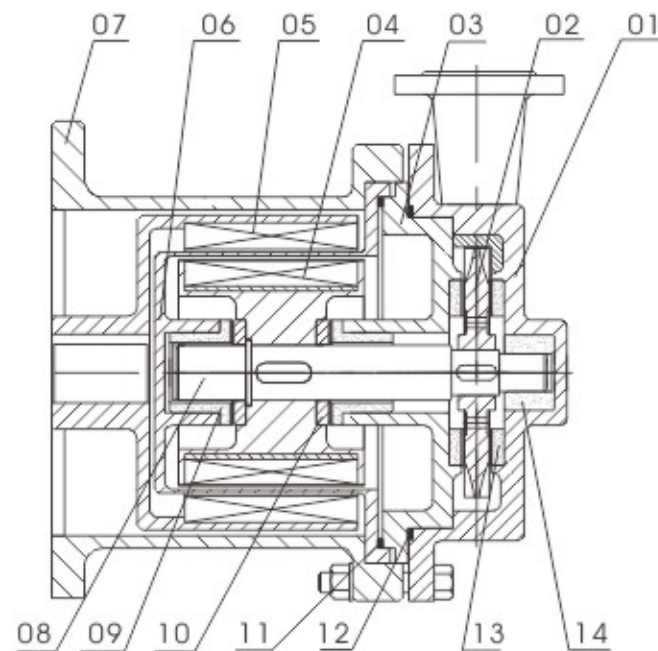
Inlet and outlet diameter(mm)

Eddy type

Magnetic drive pump



### SKETCH MAP OF STRUCTURE



- 01 Casing
- 02 Impeller
- 03 Dummy plate
- 04 Inner magnetic part
- 05 Outer magnetic part
- 06 Insulate sheath
- 07 Connect frame
- 08 Shaft
- 09 Bearing
- 10 Thrust ring
- 11 Back seal ring
- 12 Front seal ring
- 13 Stator ring
- 14前轴承 Front bearing

### OPERATION PARAMETER

Caliber: DN15~DN50mm  
 Capacity: 0.7~7.0m<sup>3</sup>/h  
 Head: 20~150m  
 Rotate speed: 2900r/min  
 Work temperature: ≤120℃  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Motor power: 0.55~22kW

### PERFORMANCE PARAMETER

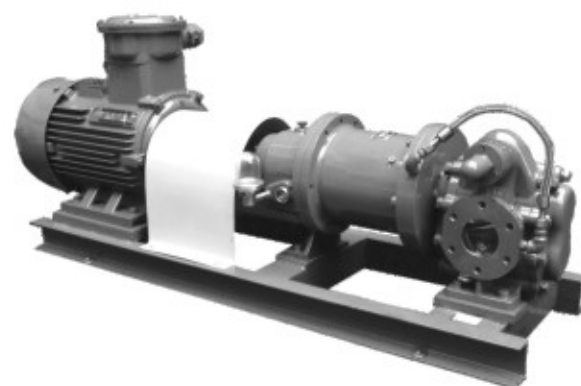
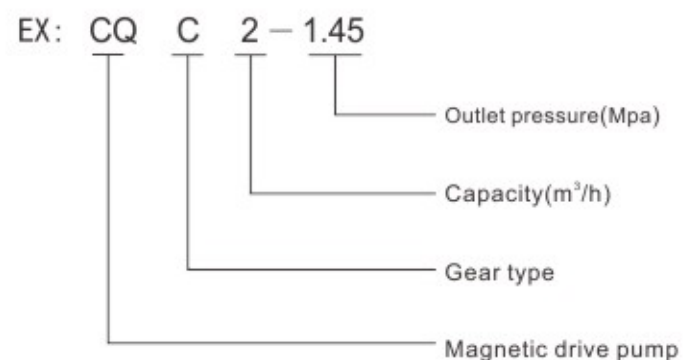
Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	Weight (kg)
	(m <sup>3</sup> /h)	(L/S)				
CQW10-25	0.3	0.08	25	2900	0.55	24
CQW15-20	0.7	0.2	20		0.55	27
CQW15-40			40		1.1	31
CQW15-65			65		1.5	35
CQW15-85			85		2.2	40
CQW20-20	1.4	0.4	20		0.75	32
CQW20-40			40		1.1	35
CQW20-50			50		2.2	35
CQW20-85			85		4	60
CQW20-105	2.1	0.6	105		5.5	75
CQW25-30			30		1.5	40
CQW25-50			50		3	50
CQW25-75			75		4	60
CQW25-95	2.88	0.8	95		5.5	76
CQW25-120			120		7.5	100
CQW32-30			30		2.2	38
CQW32-50			50		3	52
CQW32-65	5	1.4	65		4	60
CQW32-80			80		5.5	95
CQW32-110			110		7.5	110
CQW40-40			40	4	80	
CQW40-60	7	1.94	60	5.5	95	
CQW40-75			75	7.5	95	
CQW40-105			105	11	150	
CQW40-120			120	15	160	
CQW40-150	7	1.94	150	18.5	200	
CQW50-40			40	5.5	90	
CQW50-65			65	7.5	110	
CQW50-75			75	7.5	110	
CQW50-105	7	1.94	105	15	180	
CQW50-120			120	18.5	185	
CQW50-150			150	22	220	

## CQC MAGNETIC GEAR PUMP

### GENERAL

CQC magnetic gear pump is a high-tech product with related patents, it runs smoothly, has low vibration and noise. It can widely used in chemical petroleum, food, environmental protection, pharmaceuticals, medical and health and the occasion of perfect and strictly-requirement. It is suitable for conveying high viscosity and corrosive medium.

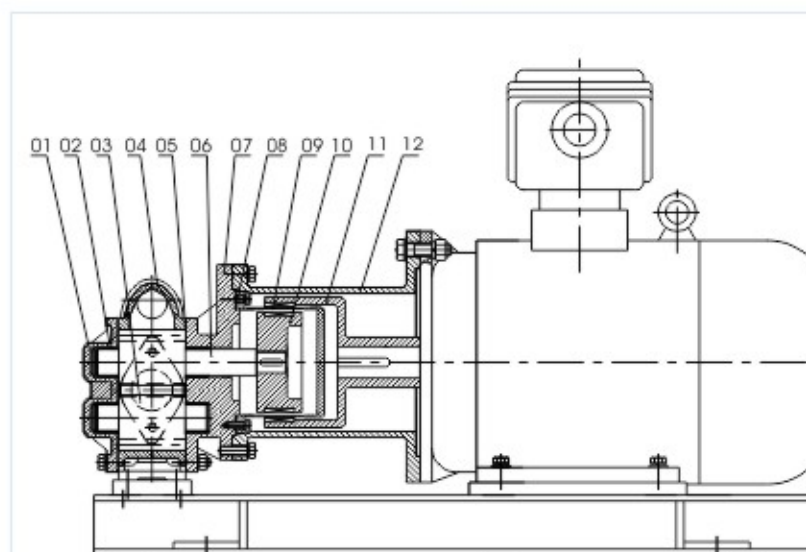
### MEANING OF THE MODEL



### OPERATION PARAMETER

Caliber : G3/4~G2;DN70~DN100  
 Capacity : 0.6~58m<sup>3</sup>/h  
 Pressure : 0.6~1.45Mpa  
 Rotate speed : >50r/min;1450r/min  
 Work temperature : <250°C  
 Viscosity : 5~1500cSt  
 Degree of vacuum : -0.05Mpa  
 Motor power : 2.2~18.5kW

### SKETCH MAP OF STRUCTURE



- 01 Front cover
- 02 Slide bearing
- 03 Passive gear
- 04 Casing
- 05 Pump cover pad
- 06 Capstan gear
- 07 Back cover
- 08 Insulate sheath pad
- 09 Insulate sheath
- 10 Inner magnetic part
- 11 Outer magnetic part
- 12 Connect frame

### PERFORMANCE PARAMETER

Model	Capacity		Outlet pressure (Mpa)	Inlet degree of vacuum (Mpa)	Inlet & outlet caliber	Rotate speed (r/min)	Power (kW)
	(m <sup>3</sup> /h)	(L/S)					
CQC1.1-1.45	1.1	18.3	1.45	0.05	G3/4	1450	2.2
CQC2-1.45	2	33.3	1.45	0.05	G3/4	1450	3
CQC3.3-0.33	3.3	55	0.33	0.05	G1	1450	2.2
CQC5-0.33	5	83.3	0.33	0.05	G1 1/2	1450	3
CQC8-0.33	8	133	0.33	0.05	G2	960	4
CQC8-0.6	8	133	0.6	0.05	G2	960	5.5
CQC8-1	8	133	1	0.05	G2	960	7.5
CQC12-0.13	12	200	0.13	0.05	G2	1450	5.5
CQC12-0.33	12	200	0.6	0.05	G2	1450	5.5
CQC12-0.6	12	200	0.33	0.05	G2	1450	7.5
CQC12-1	12	200	1	0.05	G2	1450	11
CQC18-0.36	18	300	0.36	0.05	70mm	960	7.5
CQC18-0.6	18	300	0.6	0.05	70mm	960	11
CQC29-0.36	29	483	0.36	0.05	70mm	1450	11
CQC29-0.6	29	483	0.6	0.05	70mm	1450	15
CQC38-0.28	38	633	0.28	0.05	100mm	960	15
CQC60-0.3	60	960	0.3	0.05	100mm	1450	18.5

Note: We can special design for you if the pump is not including in this table.

## CQF<sub>4</sub> FLUOROPLASTIC ALLOY MAGNETIC PUMP

### GENERAL

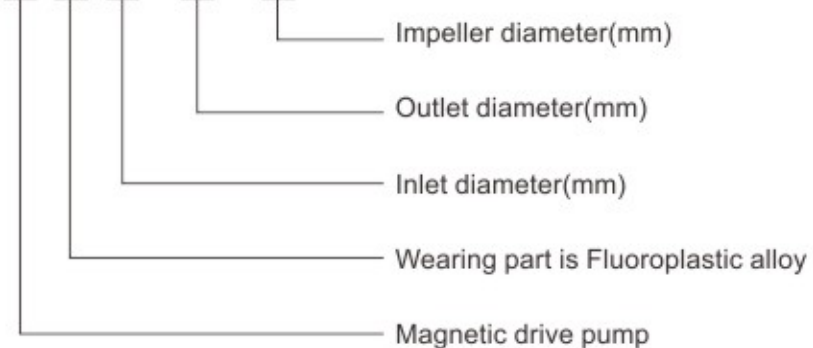
The wearing part for CQF<sub>4</sub> Fluoroplastic alloy magnetic pump is adopt fluoroplastic alloy , it has have very strong corrosion resistance to ensure safely transfer most chemical liquid.

### CHARACTER

1. Good corrosion resistance, high mechanical robustness, non ageing and non-toxin analytical;
2. Non-metal distance sleeve, no eddy losing;
3. All wearing part is injection moulding ,so the flow passage is very smooth, increase the efficiency of the pump.

### MEANING OF THE MODEL

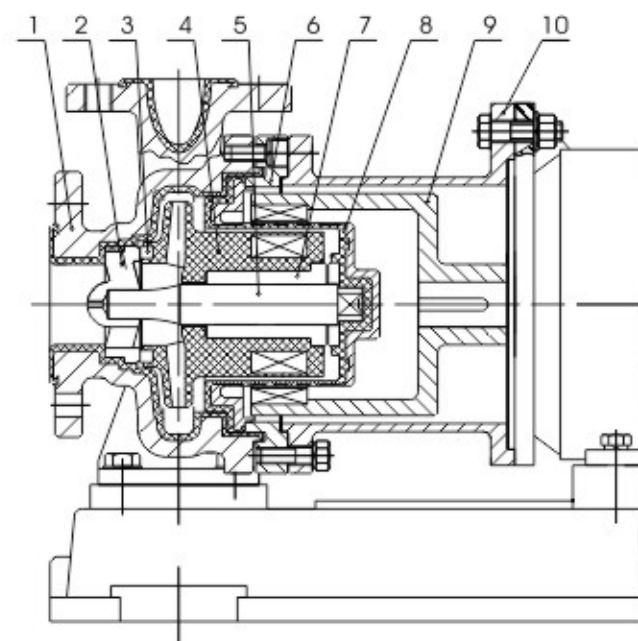
EX: CQ F<sub>4</sub> 50-32-160



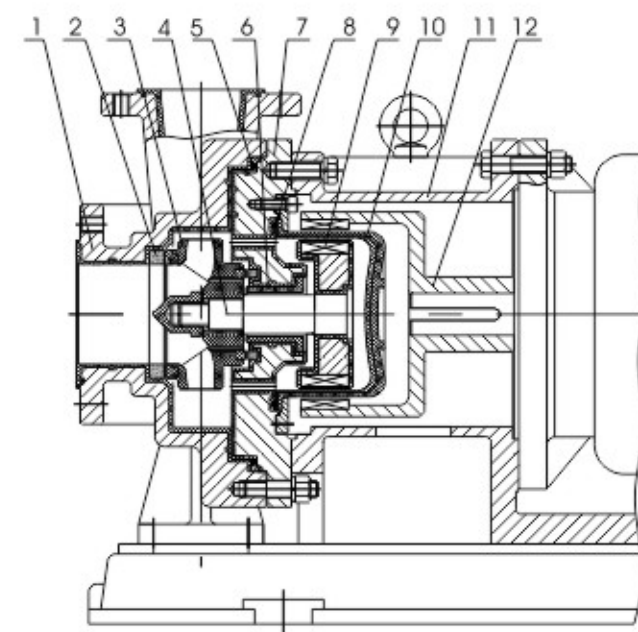
### OPERATION PARAMETER

Caliber: DN25~DN125mm  
Capacity: 1.6~200m<sup>3</sup>/h  
Head: 12.5~80m  
Rotate speed: 2900r/min; 1450r/min  
Work temperature: ≤100℃  
Viscosity: ≤100mm<sup>2</sup>/s  
Pressure: ≤1.0Mpa  
Motor power: 0.75~75kW

### SKETCH MAP OF STRUCTURE



- 01 Casing
- 02 Shaft seat
- 03 Mouth ring
- 04 Impeller & Inner magnetic part
- 05 Shaft
- 06 Back
- 07 Slide bearing
- 08 Insulate sheath
- 09 Outer magnetic part
- 10 Connect frame



- 01 Casing
- 02 Mouth ring
- 03 Impeller
- 04 Shaft
- 05 Seal ring
- 06 Slide bearing
- 07 Pump cover
- 08 Seal ring
- 09 Inner magnetic part
- 10 Insulate sheath
- 11 Connect frame
- 12 Outer magnetic part

### PERFORMANCE PARAMETER

Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)	Temperature (°C)	
	(m³/h)	(L/S)						
CQF <sub>4</sub> 25-20-125	1.6	0.4	20	2900	0.75	—	<100	
CQF <sub>4</sub> 25-20-160			32		1.1	—		
CQF <sub>4</sub> 32-25-125	3.2	0.8	20		0.75	—		
CQF <sub>4</sub> 32-25-160			32		1.5	—		
CQF <sub>4</sub> 40-25-125	6.3	1.8	20		1.5	3.0		
CQF <sub>4</sub> 40-25-160			32		3			3.5
CQF <sub>4</sub> 40-32-200			50		4			
CQF <sub>4</sub> 40-32-250			80		7.5			
CQF <sub>4</sub> 50-32-125	12.5	3.5	20		3	3.5		
CQF <sub>4</sub> 50-32-160			32		4			
CQF <sub>4</sub> 50-32-200			50		7.5			
CQF <sub>4</sub> 50-32-250			80		11			
CQF <sub>4</sub> 65-50-125	25	6.9	20		4	4.0		
CQF <sub>4</sub> 65-50-160			32		7.5			
CQF <sub>4</sub> 65-40-200			50		11			
CQF <sub>4</sub> 65-40-250			80		18.5			
CQF <sub>4</sub> 80-65-125	50	13.8	20		5.5	4.2		
CQF <sub>4</sub> 80-65-160			32		11			
CQF <sub>4</sub> 80-50-200			50		18.5			
CQF <sub>4</sub> 80-50-250			80		30			
CQF <sub>4</sub> 100-80-125	70	17.5	22		15	4.5		
	100	27.7	20					
	120	30	17					
CQF <sub>4</sub> 100-80-160	70	17.5	34		18.5	5		
	100	27.7	32					
	120	30	30					
CQF <sub>4</sub> 100-80-180	60	15	42	30	5			
	100	27.7	40					
	120	30	35					
CQF <sub>4</sub> 100-65-200	70	17.5	52	30	4.5			
	100	27.7	50					
	120	30	46					
CQF <sub>4</sub> 125-100-160	80	20	22	30	6			
	120	30	20					
	140	46.7	15					
CQF <sub>4</sub> 125-100-200	100	27.7	40	37	6			
	120	30	37					
	150	37.5	32					

Note: The power in the table is according to the medium's S·G<1300kg/m³.

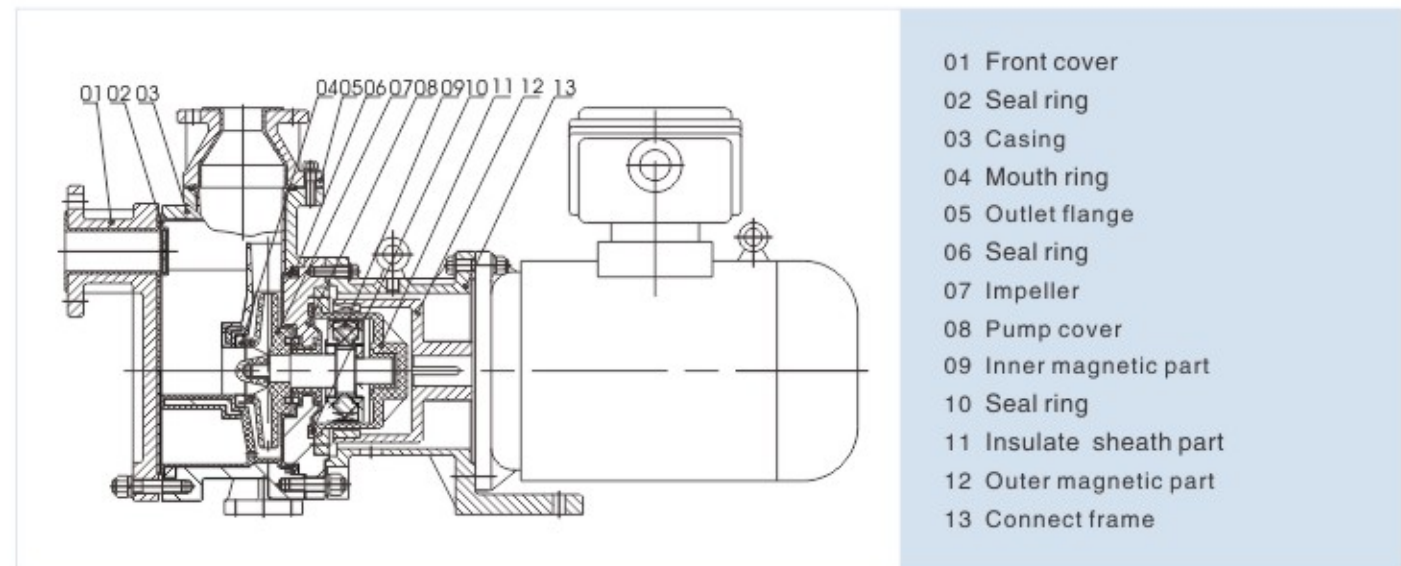
## CQF<sub>4</sub>-Z FLUOROPLASTIC ALLOY MAGNETIC SELF-SUCTION PUMP

### GENERAL

CQF<sub>4</sub>-Z fluoroplastic alloy magnetic pump is new type of self-suction pump, which can replace the old self-suction pumps. It is energy-efficient and safe.



### SKETCH MAP OF STRUCTURE



### PERFORMANCE PARAMETER

Model	Capacity (m³/h)	Head (m)	Self-suction height (m)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)	Temperature (°C)
CQF <sub>4</sub> 40-25-160Z	6	32	3	2900	4	3	<100
CQF <sub>4</sub> 50-50-160Z	15	32	3		5.5	3	
CQF <sub>4</sub> 50-50-200Z	12.5	48	3		7.5	3	
CQF <sub>4</sub> 65-50-160Z	30	32	3		7.5	3.5	
CQF <sub>4</sub> 65-40-200Z	25	45	3		11	4.5	
CQF <sub>4</sub> 80-65-160Z	60	32	3		11	3.5	
CQF <sub>4</sub> 80-65-200Z	50	45	3		18.5	4.5	

## CQF RPP MAGNETIC PUMP

### GENERAL

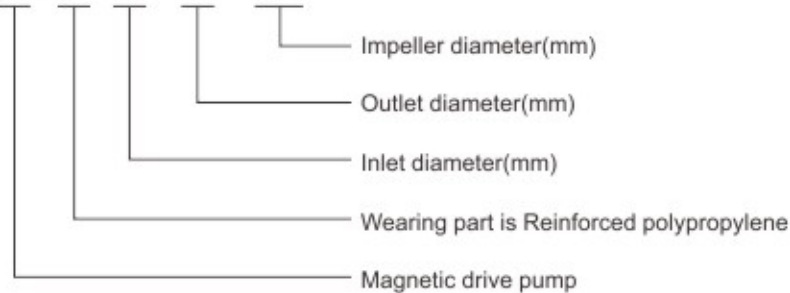
The wearing part for CQF RPP Magnetic pump is adopt Reinforced polypropylene, can be use in pumping acid & alkali liquid which work temperature  $\leq 60^{\circ}\text{C}$ .

### CHARACTER

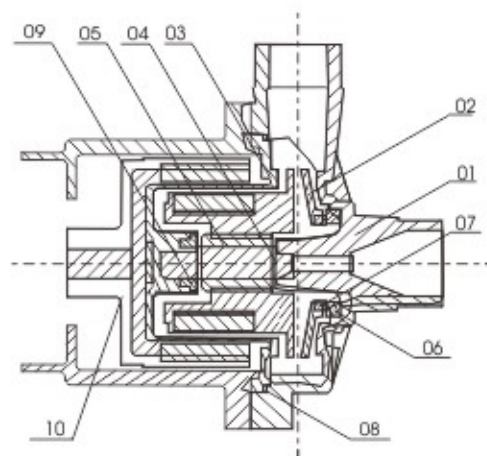
1. Shaft is not turning ,simple structure;
2. Non-metal distance sleeve, no eddy losing;
3. All wearing part is injection moulding ,so the flow passage is very smooth, increase the efficiency of the pump.

### MEANING OF THE MODEL

EX: CQ F 40-32-130



### SKETCH MAP OF STRUCTURE



- 01 Casing
- 02 Impeller & Inner magnetic part
- 03 Insulate sheath
- 04 Shaft
- 05 Shaft sleeve
- 06 Stator ring
- 07 Rotor ring
- 08 Seal ring
- 09 Thrust ring
- 10 Outer magnetic part

### OPERATION PARAMETER

Caliber: DN15~DN40mm  
 Capacity: 2~24m<sup>3</sup>/h  
 Head: 5~24m  
 Rotate speed: 2900r/min  
 Work temperature:  $\leq 60^{\circ}\text{C}$   
 Viscosity:  $\leq 100\text{mm}^2/\text{s}$   
 Pressure:  $\leq 0.6\text{Mpa}$   
 Motor power: 0.12~2.2kW

### PERFORMANCE PARAMETER

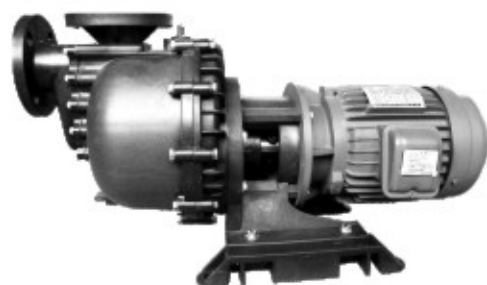
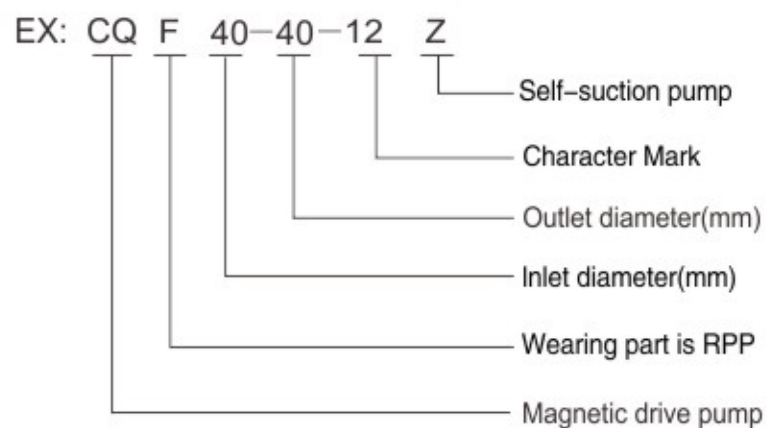
Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	Voltage (V)
	(m <sup>3</sup> /h)	(L/min)				
CQF15-15-80	2	35	5	2900	0.12	220/380
	4	60	8			
CQF20-20-80	4	58	5		0.18	220/380
	5	86	6.7			
CQF20-15-105	4	70	10		0.37	220/380
	6	97	14.2			
CQF20-20-110	5.5	92	10		0.37	220/380
	8	120	14.5			
CQF25-20-110	6	105	10		0.55	220/380
	8	130	15			
CQF32-25-115	7	120	11		0.55	220/380
	9	150	16			
CQF25-25-115	8.5	140	12		0.75	380
	12	200	17			
CQF32-25-125	11	180	12		0.75	380
	15	250	19			
CQF32-32-130	14	230	12		1.1	380
	18	290	21			
CQF40-32-130	15	250	12	1.5	380	
	20	320	21.5			
CQF40-40-135	21	350	12	2.2	380	
	24	390	24			

## CQF-Z RPP MAGNETIC SELF-SUCTION PUMP

### GENERAL

CQF-Z rpp magnetic self-suction pump uses unique shaft seal design, no need for circulating cooling. It has simple structure which is very convenient for customers to install and use. The pump is using new material with strong corrosion resistance, that is suitable to convey strong acid, alkali and other corrosive media that is below 80°C.

### MEANING OF THE MODEL



### PERFORMANCE PARAMETER

Model	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	Voltage (V)
	(m³/h)	(L/min)				
CQF40-40-12Z	13	220	10	2900	1.1	380
	18	300	15			
CQF40-40-22Z	18	300	12		1.5	380
	22	365	20			
CQF50-50-32Z	21	350	14		2.2	380
	28	460	21			
CQF50-50-52Z	24	400	15		3	380
	33	550	22			

## IH/IS SINGLE STAGE & SINGLE SUCTION CENTRIFUGAL PUMP

### GENERAL

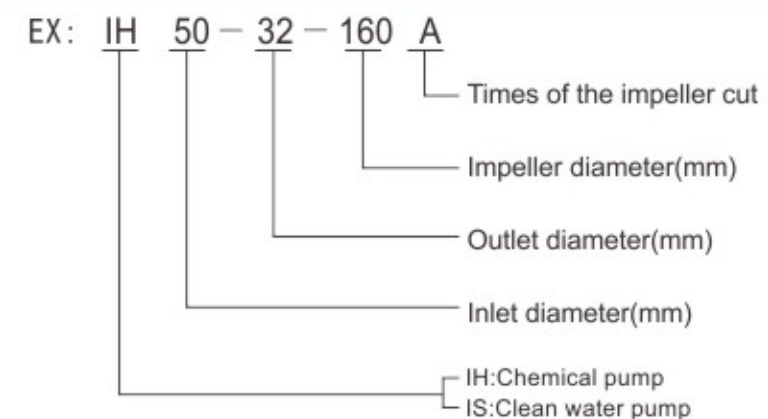
IH/IS series pump is single-stage single suction centrifugal pump, its rating performance and size are developed according ISO2858. The pump's structure is compact, efficiency is high, easy to repair.

### APPLIED RANGE

The wearing part of IH series is stainless steel, the pump can be used to transfer the corrosive medium, or the physics and chemical feature is similar to water which temperature should be -20°C~150°C. Widely apply to petroleum, chemical industry, automotive industry, Nonferrous metal, food, power station, metallurgy, paper manufacturing industry, pharmaceuticals industry, synthetic fiber industry, etc.

The wearing part of IS series pump is cast iron, the work temperature should be below 80°C, chemical feature is similar to water, it can be used in industry, municipal water supply, irrigation.

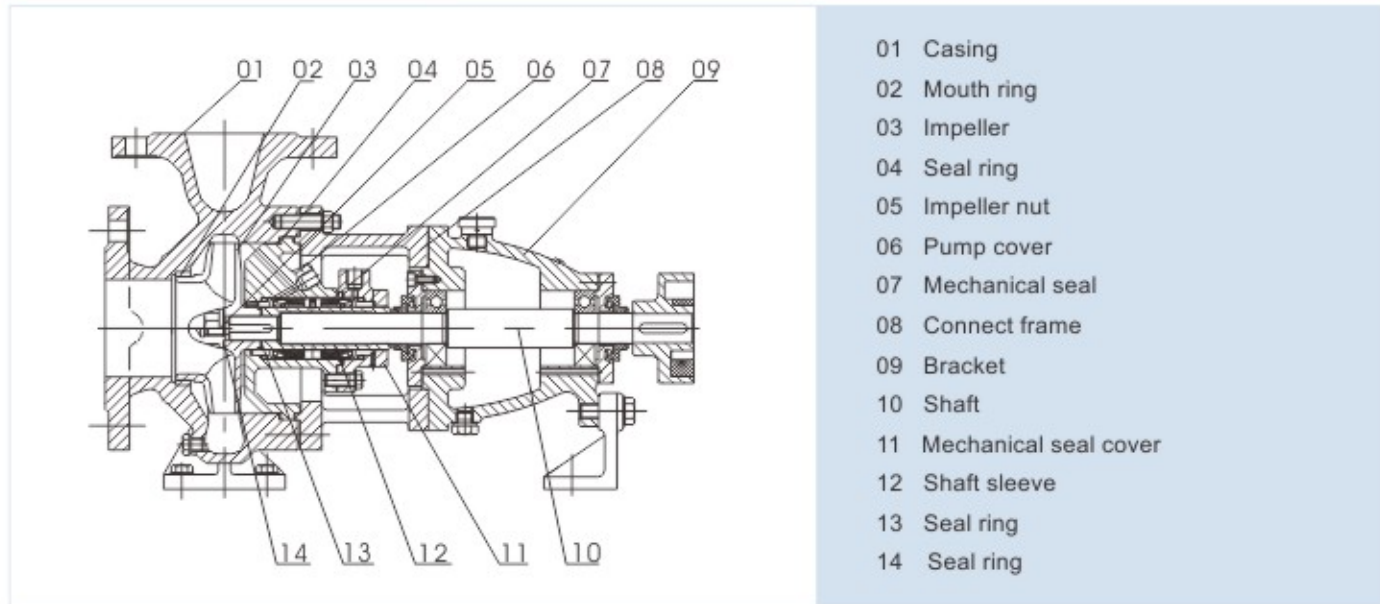
### MEANING OF THE MODEL



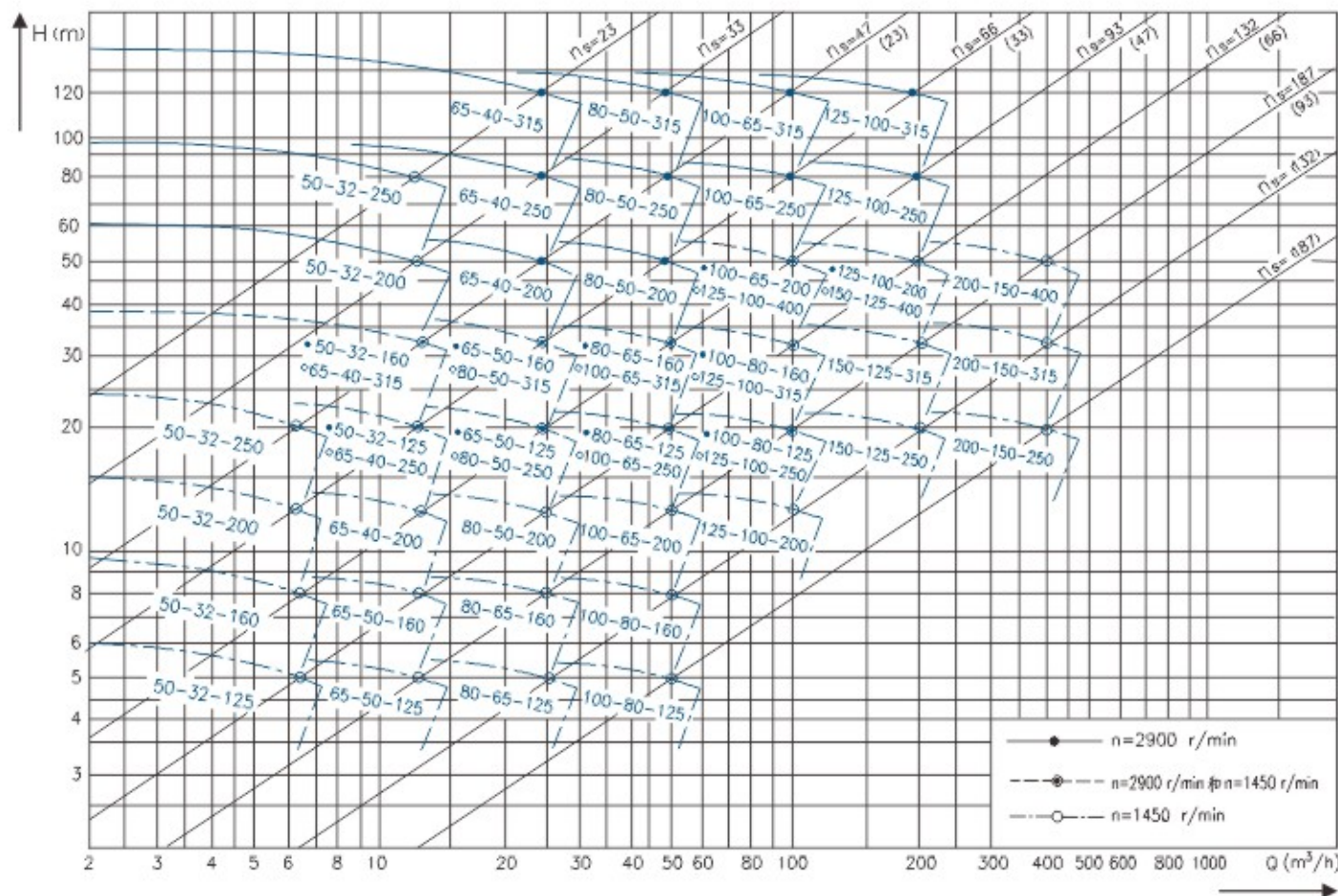
### OPERATION PARAMETER

Caliber: DN50~DN200mm  
 Capacity: 3.4~460m³/h  
 Head: 3.7~132m  
 Rotate speed: 2900r/min; 1450r/min  
 Work temperature: ≤150°C(IH); ≤80°C(IS)  
 Viscosity: ≤150mm²/s  
 Pressure: ≤1.6Mpa  
 Motor power: 0.55~110kW

### SKETCH MAP OF STRUCTURE



### PERFORMANCE CURVE



### PERFORMANCE PARAMETER

Model	Rotate speed (r/min)	Capacity		Head (m)	Efficiency (%)	Power(kW)		NPSHr (m)	Weight (kg)
		(m³/h)	(L/S)			Shaft power	Motor power		
50-32-125	2900	7.5	2.08	23	43	1.09	2.2	2	45
		12.5	3.47	20	51	1.33		2	
		15	4.17	18	49	1.50		2.5	
	1450	3.75	1.04	5.75	36	0.16	0.55	2	
		6.3	1.75	5	45	0.19		2	
		7.5	2.08	4.5	44	0.21		2.5	
50-32-125A	2900	6.8	1.89	18.8	40	0.87	1.5	2	45
		11.3	3.14	16.4	50	1.01		2	
		13.6	3.78	14.7	47	1.16		2.5	
	1450	3.4	0.94	4.7	33.3	0.13	0.55	2	
		5.7	1.58	4.1	43	0.15		2	
		6.8	1.89	3.7	42	0.16		2.5	
50-32-160	2900	7.5	2.08	34.5	33	2.13	3	2	48
		12.5	3.47	32	46	2.37		2	
		15	4.17	30	50	2.45		2.5	
	1450	3.75	1.04	8.6	29	0.3	0.55	2	
		6.3	1.75	8	40	0.34		2	
		7.5	2.08	7.5	43	0.36		2.5	
50-32-160A	2900	6.8	1.89	28.5	30	1.76	3	2	48
		11.3	3.14	26.4	44	1.85		2	
		13.6	3.78	24.8	48	1.91		2.5	
	1450	3.4	0.94	7.1	25.9	0.25	0.55	2	
		5.7	1.58	6.6	37.1	0.28		2	
		6.8	1.89	6.2	41	0.28		2.5	
50-32-200	2900	7.5	2.08	51.8	28	3.78	5.5	2	58
		12.5	3.47	50	39	4.36		2	
		15	4.17	48	43	4.56		2.5	
	1450	3.75	1.04	12.9	23	0.57	1.1	2	
		6.3	1.75	12.5	33	0.65		2	
		7.5	2.08	12	36	0.68		2.5	
50-32-200A	2900	6.8	1.89	42.7	25	3.16	4	2	58
		11.3	3.14	41	38	3.24		2	
		13.6	3.78	39.5	41	3.57		2.5	
	1450	3.4	0.94	10.6	20	0.49	0.75	2	
		5.7	1.58	10.3	31	0.52		2	
		6.8	1.89	9.9	34	0.54		2.5	
50-32-250	2900	7.5	2.08	82	23	7.28	11	2	92
		12.5	3.47	80	33	8.25		2	
		15	4.17	78.5	36.5	8.79		2.5	
	1450	3.75	1.04	20.5	17	1.23	2.2	2	
		6.3	1.75	20	27	1.27		2	
		7.5	2.08	19.6	31	1.29		2.5	
50-32-250A	2900	7	1.94	71.9	20	6.84	11	2	92
		11.7	3.25	70	32	6.97		2	
		14	3.89	68.8	34	7.71		2.5	
	1450	3.51	0.98	18	15.4	1.12	1.5	2	
		5.9	1.64	17.5	25	1.25		2	
		7.02	1.95	17.2	27.9	1.18		2.5	
50-32-250B	2900	6.6	1.83	63.6	20	5.71	7.5	2	92
		11	3.06	62	30	6.19		2	
65-50-125	2900	13.2	3.67	60.9	33	6.64	3	2	46
		15	4.17	21.3	47	1.85		2	
		25	6.94	20	62	2.2		2.5	
		30	8.33	18.6	63	2.41			



(continuation)

Model	Rotate speed (r/min)	Capacity		Head (m)	Efficiency (%)	Power(kW)		NPSHr (m)	Weight (kg)
		(m³/h)	(L/S)			Shaft power	Motor power		
65-50-125	1450	7.5	2.08	5.4	44	0.25	0.55	2	46
		12.5	3.47	5	55	0.31		2	
		15	4.17	4.5	56	0.33		2.5	
65-50-125A	2900	13.6	3.78	17.6	44	1.48	2.2	2	
		22.7	6.31	16.5	61	1.67		2	
		27.3	7.58	15.4	59.9	1.91		2.5	
	1450	6.8	1.89	4.5	41	0.20	0.55	2	
		11.3	3.14	4.1	54	0.23		2	
		13.6	3.78	3.7	53	0.26		2.5	
65-50-160	2900	15	4.17	34.2	44	3.18	5.5	2	
		25	6.94	32	57	3.82		2	
		30	8.33	30	59	4.15		2.5	
	1450	7.5	2.08	8.55	39	0.45	0.75	2	
		12.5	3.47	8	51	0.53		2	
		15	4.17	7.5	52.5	0.58		2.5	
65-50-160A	2900	13.6	3.78	28.4	41	2.56	4	2	
		22.7	6.31	26.5	56	2.93		2	
		27.3	7.58	24.8	56	3.29		2.5	
	1450	6.8	1.89	7.09	35.5	0.37	0.55	2	
		11.3	3.14	6.6	49.6	0.41		2	
		13.6	3.78	6.2	49.9	0.46		2.5	
65-40-200	2900	15	4.17	53.2	41	5.3	11	2	
		25	6.94	50	52	6.55		2	
		30	8.33	47.6	53.5	7.27		2.5	
	1450	7.5	2.08	13.3	35	0.78	1.5	2	
		12.5	3.47	12.5	46	0.93		2	
		15	4.17	11.9	47.5	1.02		2.5	
65-40-200A	2900	13.6	3.78	43.9	38	4.28	7.5	2	
		22.7	6.31	41	50	5.07		2	
		27.3	7.58	39.3	51	5.73		2.5	
	1450	6.8	1.89	11	31.8	0.64	1.1	2	
		11.3	3.14	10.3	44	0.72		2	
		13.6	3.78	9.8	44.8	0.81		2.5	
65-40-250	2900	15	4.17	81.2	34	9.76	15	2	
		25	6.94	80	46	11.84		2	
		30	8.33	78.4	50	12.8		2.5	
	1450	7.5	2.08	20.3	28	1.48	3	2	
		12.5	3.47	20	39	1.75		2	
		15	4.17	19.6	43	1.86		2.5	
65-40-250A	2900	14	3.89	71	31	8.73	15	2	
		23.4	6.5	74.8	45	10.6		2	
		28	7.78	68.6	47	11.13		2.5	
	1450	7	1.94	17.8	25	1.35	2.2	2	
		11.7	3.25	17.5	37.5	1.47		2	
		14	3.89	17.2	40	1.64		2.5	
65-40-250B	2900	13.2	3.67	62.8	31	7.29	11	2	
		22	6.11	61.8	44	8.42		2	
		26.4	7.33	53	45	8.45		2.5	
65-40-315	2900	15	4.17	126.8	28	18.51	30	2	
		25	6.94	125	39	21.8		2	
		30	8.33	124	42.5	23.85		2.5	
	1450	7.5	2.08	32.4	22	3.03	5.5	2	
		12.5	3.47	32	33	3.3		2	
		15	4.17	31.7	37	3.5		2.5	

(continuation)

Model	Rotate speed (r/min)	Capacity		Head (m)	Efficiency (%)	Power(kW)		NPSHr (m)	Weight (kg)	
		(m³/h)	(L/S)			Shaft power	Motor power			
65-40-315A	2900	14	3.89	111.2	25	16.97	30	2	115	
		23.4	6.5	109.5	38	18.36		2		
		28	7.78	108.8	40	20.75		2.5		
	1450	7	1.94	28.4	22	2.46	4	2		
		11.7	3.25	28	33	2.71		2		
		14	3.89	27.8	37	2.87		2.5		
65-40-315B	2900	13.2	3.67	98	24	14.69	22	2		
		22	6.11	96.5	37	15.63		2		
		26.4	7.33	95.9	39	17.67		2.5		
80-65-125	2900	30	8.33	23.2	60	3.16	5.5	3		51
		50	13.89	20	69	3.95		3		
		60	16.67	17.6	67	4.29		4		
	1450	15	4.17	5.8	54	0.44	0.75	2.5		
		25	6.94	5	64	0.53		2.5		
		30	8.33	4.4	62	0.58		3		
80-65-125A	2900	27.2	7.56	19.1	57	2.48	4	3		
		45.3	12.58	16.5	67	3.04		3		
		54.4	15.11	14.5	64	3.36		4		
	1450	13.6	3.78	4.8	51	0.35	0.55	2.5		
		22.6	6.28	4.1	62	0.41		2.5		
		27.2	7.56	3.6	59	0.45		3		
80-65-160	2900	30	8.33	36	57	5.16	11	2	56	
		50	13.89	32	67	6.51		2.3		
		60	16.67	28.4	65	7.14		3.3		
	1450	15	4.17	9	50	0.74	1.5	2		
		25	6.94	8	62	0.88		2.3		
		30	8.33	7.2	62	0.95		3.3		
80-65-160A	2900	27.2	7.56	29.7	54	4.08	7.5	2		
		45.4	12.61	26.4	65	5.02		2.3		
		54.4	15.11	23.4	62	5.59		3.3		
	1450	13.6	3.78	7.4	47.3	0.58	1.1	2		
		22.7	6.31	6.6	60	0.68		2.3		
		27.2	7.56	5.9	59	0.74		3.3		
80-50-200	2900	30	8.33	55.2	53	8.51	15	2	64	
		50	13.89	50	63	10.81		2.5		
		60	16.67	45.2	62	11.92		3.2		
	1450	15	4.17	13.5	44	1.25	2.2	2		
		25	6.94	12.5	57	1.49		2		
		30	8.33	11.5	58	1.62		2.5		
80-50-200A	2900	27.2	7.56	45.4	50	6.73	11	2		
		45.3	12.58	41	61	8.29		2.5		
		54.4	15.11	37.2	59	9.35		3.2		
	1450	13.6	3.78	11.1	41	1	2.2	2		
		22.7	6.31	10.3	56.1	1.14		2		
		27.2	7.56	9.5	55	1.28		2.5		
80-50-250	2900	30	8.33	84	43	16	30	2	102	
		50	13.89	80	53	20.57		2.5		
		60	16.67	75	54	22.71		3.2		
	1450	15	4.17	21	40	2.15	5.5	2		
		25	6.94	20	50	2.72		2		
		30	8.33	18.8	51	3.01		2.5		
80-50-250A	2900	27.2	7.56	69	42	12.18	22	2		
		45.3	12.58	65.7	52	15.61		2.5		
		54.4	15.11	61.6	52	17.57		3.2		
	1450	13.6	3.78	17.3	40	1.6	3	2		
		22.7	6.31	16.4	49	2.07		2		
		27.2	7.56	15.4	50	2.28		2.5		

(continuation)

Model	Rotate speed (r/min)	Capacity		Head (m)	Efficiency (%)	Power(kW)		NPSHr (m)	Weight (kg)
		(m³/h)	(L/S)			Shaft power	Motor power		
80-50-315	2900	30	8.33	128	38	27.54	45	2.5	110
		50	13.89	125	50	34.1		2.5	
		60	16.67	123	53	37.94		3	
	1450	15	4.17	32.5	37	3.59	7.5	2.5	
		25	6.94	32	48	4.54		2.5	
		30	8.33	31.5	52	4.94		3	
80-50-315A	2900	27.2	7.56	105	37	21	37	2.5	110
		45.3	12.58	102.6	48	26.4		2.5	
		54.4	15.11	101	50	29.94		3	
	1450	13.6	3.78	26.3	36	2.71	5.5	2.5	
		22.7	6.31	25.7	46	3.46		2.5	
		27.2	7.56	25.2	50	3.74		3	
100-80-125	2900	60	16.67	23.7	65	5.96	11	3	56
		100	27.78	20	73	7.47		4.2	
		120	33.33	16.3	69	7.72		4.8	
	1450	30	8.33	5.7	58	0.8	1.5	3	
		50	13.89	5	69	0.99		3.4	
		60	16.67	4.1	68	0.99		3.7	
100-80-125A	2900	55	15.28	19.4	62	4.68	7.5	3	56
		91.8	25.5	16.8	71	5.92		4.2	
		109	30.28	13.7	67	6.07		4.8	
	1450	27.5	7.64	5	56	0.67	1.1	3	
		45.9	12.75	4.2	67	0.78		3.4	
		54.5	15.13	3.4	65	0.78		3.7	
100-80-160	2900	60	16.67	37	60	10.1	15	3.8	86
		100	27.78	32	73	11.9		4.3	
		120	33.33	28	73	12.54		5	
	1450	30	8.33	9.25	58	1.3	2.2	3	
		50	13.89	8	69	1.58		3.4	
		60	16.67	7	68	1.68		3.7	
100-80-160A	2900	54.6	15.17	30.6	57	7.98	15	3.8	86
		91	25.28	26.5	71	9.25		4.3	
		109.2	30.33	23.2	70.4	9.85		5	
	1450	27.3	7.58	7.66	55.3	1.03	1.5	3	
		45.5	12.64	6.6	67	1.22		3.4	
		54.6	15.17	5.8	65.3	1.32		3.7	
100-65-200	2900	60	16.67	56	63	14.53	22	3.4	95
		100	27.78	50	72	18.92		3.9	
		120	33.33	44	71	20.26		5.2	
	1450	30	8.33	14	60	1.91	4	2.5	
		50	13.89	12.5	68	2.5		2.5	
		60	16.67	11	63	2.85		3	
100-65-200A	2900	54.6	15.17	46.5	60.1	11.51	18.5	3.4	95
		91	25.28	41.5	70	14.7		3.9	
		109.2	30.33	36.6	68	16		5.2	
	1450	27.3	7.58	11.6	57	1.51	3	2.5	
		45.5	12.64	10.3	66	1.93		2.5	
		54.6	15.17	9.1	60.1	2.25		3	
100-65-250	2900	60	16.67	88	57	25.24	37	3	114
		100	27.78	80	68	32.06		3.6	
		120	33.33	74	67	36.12		4.5	
	1450	30	8.33	22	50	3.63	5.5	2.5	
		50	13.89	20	63	4.33		2.5	
		60	16.67	18.5	64	4.73		3	

(continuation)

Model	Rotate speed (r/min)	Capacity		Head (m)	Efficiency (%)	Power(kW)		NPSHr (m)	Weight (kg)
		(m³/h)	(L/S)			Shaft power	Motor power		
100-65-250A	2900	56.1	15.58	77	54	21.8	37	3	114
		93.5	25.97	70	65	27.44		3.6	
		112.2	31.17	64.7	64	30.91		4.5	
	1450	28	7.79	19.2	47	3.12	5.5	2.5	
		45.5	12.64	17.4	61	3.53		2.5	
		56	15.56	16.2	60.9	4.06		3	
100-65-250B	2900	52.7	14.64	67.9	53.3	18.29	30	3	114
		87.8	24.39	61.7	64	23.1		3.6	
		105.4	29.28	57	62.9	26.03		4.5	
100-65-315	2900	60	16.67	132	48	44.96	75	2.8	165
		100	27.78	125	62	54.94		3.2	
		120	33.33	119	64	60.8		4.2	
	1450	30	8.33	33.5	44	6.22	11	2	
		50	13.89	32	58	7.52		2	
		60	16.67	30.5	60	8.31		2.5	
100-65-315A	2900	56.1	15.58	115.5	45	39.2	75	2.8	165
		93.5	25.97	109	61	45.53		3.2	
		112.2	31.17	104	61	52.13		4.2	
	1450	28	7.789	29.3	41	5.46	11	2	
		46.5	12.92	28	56	6.33		2	
		56	15.56	26.7	57	7.15		2.5	
100-65-315B	2900	52.7	14.64	102	44	33.29	55	2.8	98
		88	24.44	97	60	38.77		3.2	
		105.4	29.28	92	60	44.04		4.2	
	1450	120	33.33	61	68	29.33	45	4.5	
		200	55.56	50	77	35.39		5	
		240	66.67	41	70	38.3		5.8	
125-100-200	2900	60	16.67	15.25	64	3.89	7.5	2.5	98
		100	27.78	12.5	73	4.66		2.9	
		120	33.33	10.25	66	5.08		3.6	
	1450	109.1	30.31	50.5	64.9	23.13	37	4.5	
		182	50.56	41.4	75	27.38		5	
		218.2	60.61	34	67.1	30.13		5.8	
125-100-200A	2900	54.7	15.19	12.6	61	3.08	5.5	2.5	98
		91	25.28	10.3	71	3.6		2.9	
		109.4	30.39	8.5	63	4.02		3.6	
	1450	120	33.33	90	62	47.48	75	3.7	
		200	55.56	80	75	58.13		4.5	
		240	66.67	73	74	64.52		5.5	
125-100-250	2900	60	16.67	22.5	59	6.23	11	2	150
		100	27.78	20	72	7.56		2.3	
		120	33.33	18.25	71	8.4		3	
	1450	112	31.11	78	59	40.35	75	3.7	
		186.5	51.81	69.5	73	48.35		4.5	
		224	62.22	63.5	71	54.59		5.5	
125-100-250A	2900	56	15.56	19.5	56	5.31	11	2	150
		93	25.83	17.4	70	6.29		2.3	
		112	31.11	15.9	68	7.13		3	
	1450	105.5	29.31	69	58	34.2	55	3.7	
		175.5	48.75	61.5	71	41.42		4.5	
		211	58.61	56	69.9	46.06		5.5	
125-100-250B	2900	120	33.3	132.5	52.6	82.37	110	4	165
		200	55.6	125	72	94.62		4.5	
		240	66.7	120	75	104.64		5	

(continuation)

Model	Rotate speed (r/min)	Capacity		Head (m)	Efficiency (%)	Power(kW)		NPSHr (m)	Weight (kg)	
		(m <sup>3</sup> /h)	(L/S)			Shaft power	Motor power			
125-100-315	1450	60	16.7	33.5	53	10.33	22	2.5	165	
		100	27.8	32	65	13.42		2.5		
		120	33.3	30.5	66	15.11		3		
125-100-315A	2900	112	31.1	115.2	52	67.63	90	4		
		186.5	51.81	108.7	71	77.81		4.5		
		224	62.22	104.3	72	88.42		5		
	1450	56	15.56	28.8	52	8.45	15	2.5		
		93	25.83	27.2	64	10.77		2.5		
		112	31.11	26.1	65	12.25		3		
125-100-400	1450	60	16.67	52	48	17.71	30	2.5	210	
		100	27.78	50	55	24.77		2.5		
		120	33.33	48.5	62	25.58		3		
125-100-400A	1450	56	15.56	45	43	15.97	22	2.5		
		93	25.83	43.2	54	20.27		2.5		
		112	31.11	41.9	60	21.31		3		
150-125-250	1450	120	33.33	24.8	66	12.29	18.5	2.5		164
		200	55.56	20	77	14.16		2.8		
		240	66.67	15	68	14.43		3.5		
150-125-250A	1450	109.1	30.28	20.5	62.5	9.75	15	2.5		
		182	50.56	16.5	75	10.91		2.8		
		218.2	60.61	12.4	65.2	11.31		3.5		
150-125-315	1450	120	33.33	36.3	63	18.84	30	2.5	195	
		200	55.56	32	75	23.25		2.8		
		240	66.67	28.5	72	25.89		3.8		
150-125-315A	1450	109.1	30.28	30	60	14.85	22	2.5		
		182	50.56	25.5	73	17.32		2.8		
		218.2	60.61	23.5	69	20.23		3.8		
150-125-315B	1450	99	27.5	24.7	59	11.29	18.5	2.5		
		165	45.83	22	72	13.74		2.8		
		198	55	19.4	69	15.17		3.8		
150-125-400	1450	120	33.33	57.5	61	30.82	55	2	237	
		200	55.56	50	70	38.93		2.5		
		240	66.67	44	63	45.68		3		
150-125-400A	1450	109.1	30.28	47.5	58	21.35	37	2		
		182	50.56	41	68	29.94		2.5		
		218.2	60.61	36.5	60	36.17		3		
150-125-400B	1450	99	27.5	39.1	57	18.51	30	2		
		165	45.83	34	67	22.82		2.5		
		198	55	29.9	58	27.81		3		
200-150-250	1450	240	66.67	23	70	21.49	37	2.5	194	
		400	111.11	20	79	27.59		2.8		
		460	127.78	18	80	28.2		3		
200-150-250A	1450	218.2	60.61	18.9	67	16.77	30	2.5		
		363	100.83	16.5	79	20.66		2.8		
		418	116.1	14.8	78	21.61		3		
200-150-315	1450	240	66.67	35.6	67	34.75	55	3		268
		400	111.11	32	79	44.15		3.5		
		460	127.78	29.4	77	47.86		4		
200-150-315A	1450	218.2	60.61	29.4	64	27.31	45	3		
		363	100.84	25.5	77	32.76		3.5		
		418	116.11	24.3	74	37.4		4		
200-150-315B	1450	197.7	54.92	24.1	63	20.61	37	3		
		329	91.39	21.6	76	25.48		3.5		
		378.8	105.22	19.7	73	27.86		4		
200-150-400	1450	240	66.67	55.8	67	54.47	90	3	289	
		400	111.11	50	78	69.87		3.5		
		460	127.78	47	75	78.55		4		

## XZA\XZE OIL CHEMICAL PROCESS PUMP

### GENERAL

XZA\XZE series petrochemical process pumps are designed according to API610 and API685. This pump is single-stage single suction, close impeller, axial suction, radial discharge. According the work condition adopt front and back mouth ring and balance hole to do the hydraulic balance. If the DN = 80mm or more than 80 mm, the pump is to banlance. Gland seal is adopt the Mechanical seal and cooling washor or sealing liquid system. bearing suspension fork is a whole, bearing is adopt the oil bath lubrication, the grease cup can adjust the oil level automatically to ensure the lubrication enough. The pump can be disassembled but no need to disassemble the inlet and out flange and motor, it is very easy to repair.

### APPLIED RANGE

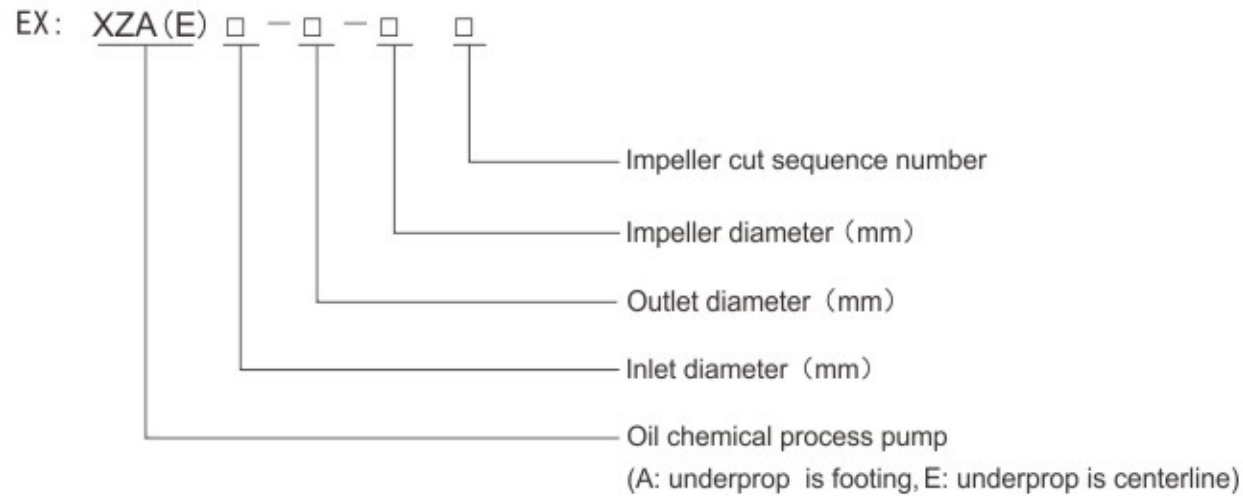
For refinery, petrochemical industry, cryogenic engineering, chemical fiber, normal industrial process, power house, environmental protection, etc. For pumping various liquid state petrochemical industry products, organic compound, various acid, alkali, salt solution under different temperature and concentration, and corrosive raw material or products.

### OPERATION PARAMETER

Caliber: DN25~DN400mm  
 Capacity: 4~2390m<sup>3</sup>/h  
 Head: ≤205m  
 Rotate speed: 2900r/min; 1450r/min  
 Work temperature: ≤175°C(XZA); ≤350°C(XZE)  
 Viscosity: ≤150mm<sup>2</sup>/s  
 Pressure: ≤2.5Mpa (XZA); ≤5.0Mpa(XZE)  
 Motor power: 1.1~315kW



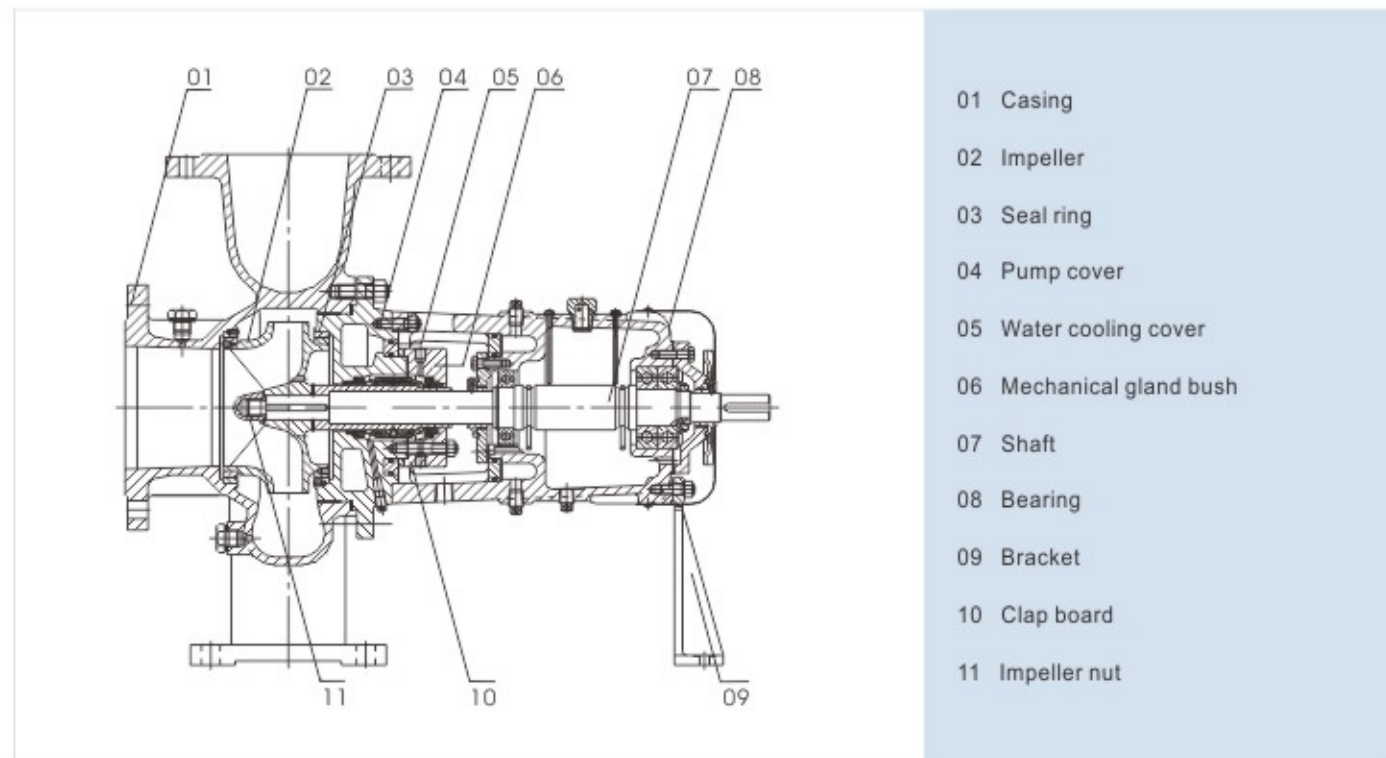
### MEANING OF THE MODEL



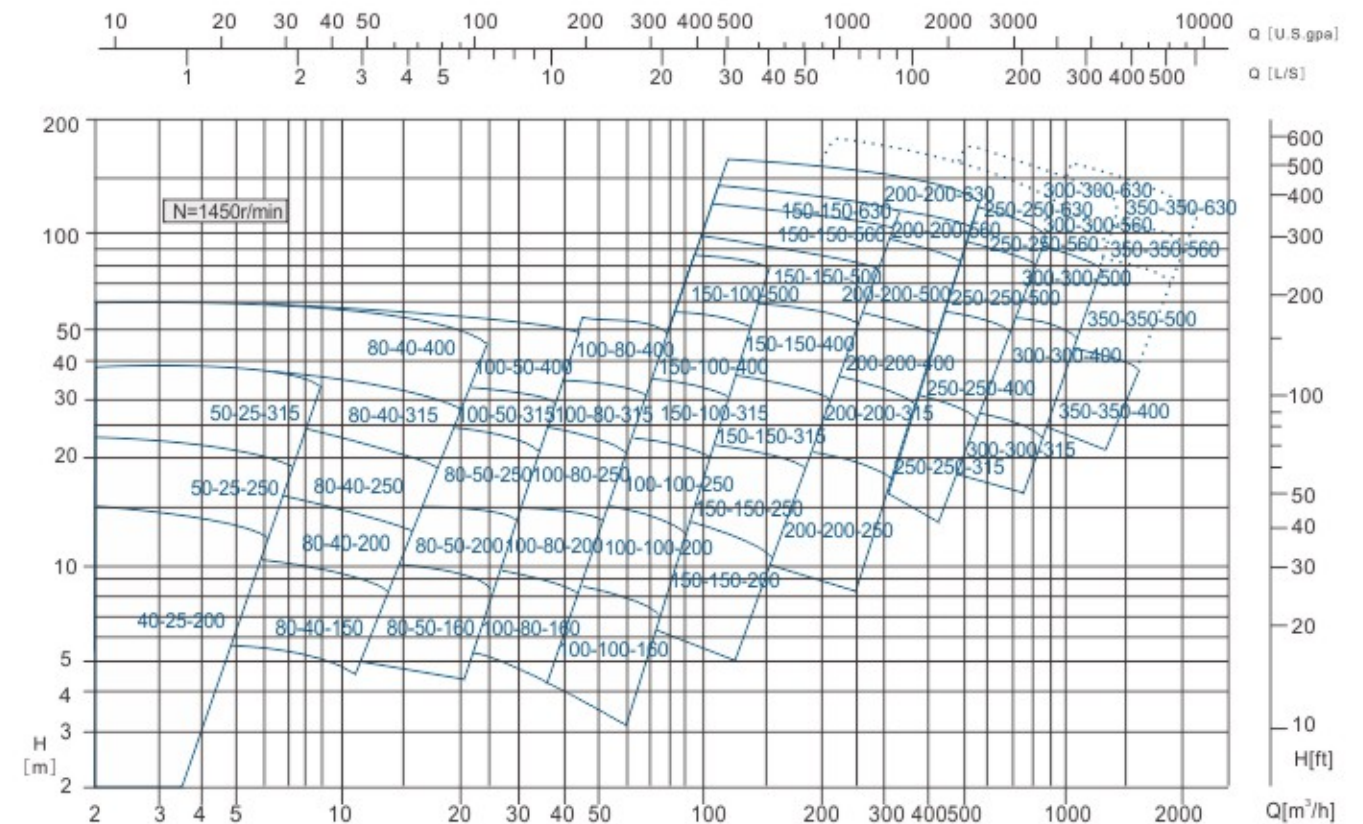
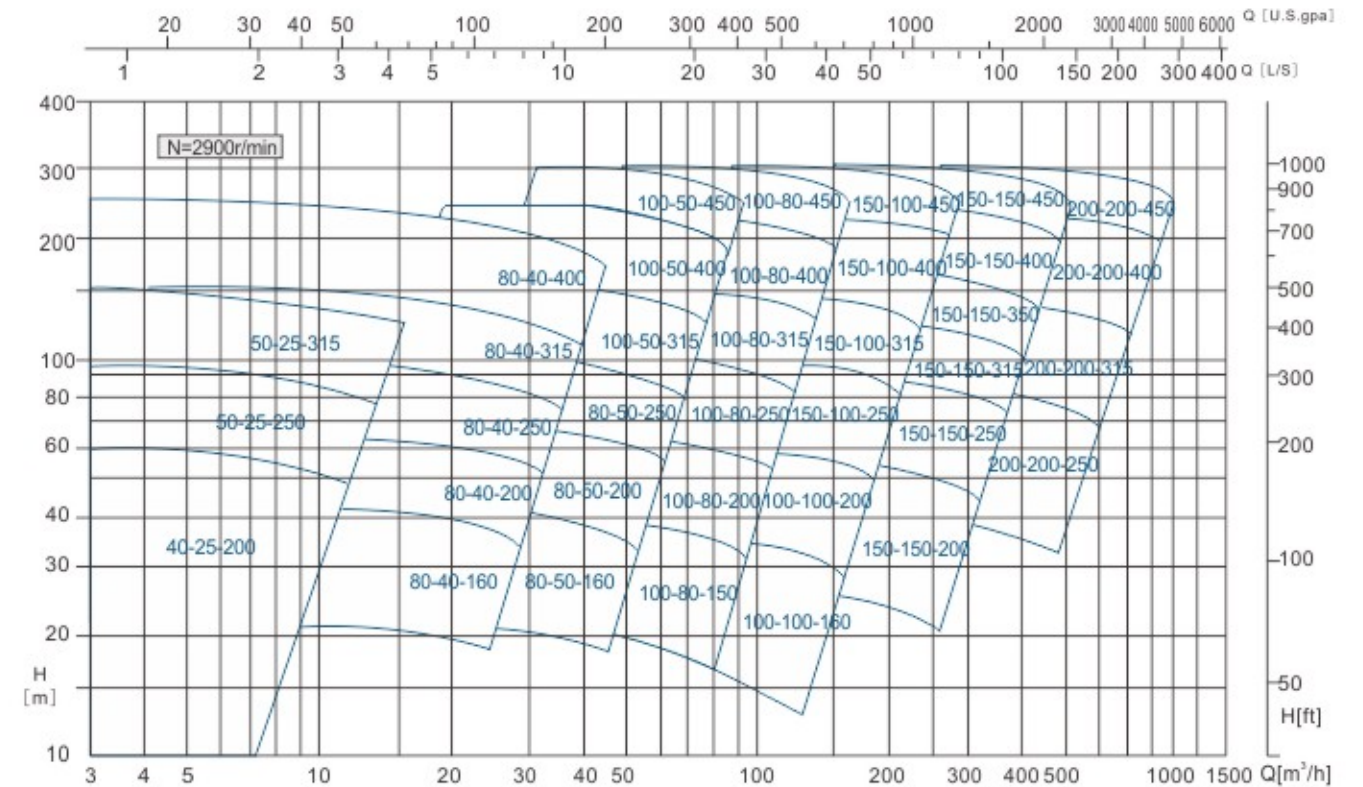
### MATERIAL SELECTION

There are CS, 1Cr13, 0Cr18Ni9(304), 0Cr18Ni12Mo2Ti(316), Ti alloy can be choosed according different medium and work condition.

### SKETCH MAP OF STRUCTURE



### PERFORMANCE CURVE







(continuation)

Model	Impeller	Rating rotate speed n=2900r/min								Rating rotate speed n=1450r/min												
		Capacity		Head		S.G.r=1		S.G.r=1.35		S.G.r=1.84		Capacity		Head		S.G.r=1		S.G.r=1.35		S.G.r=1.84		
		m <sup>3</sup> /h	m	Motor power and model								m <sup>3</sup> /h	m	Motor power and model								
				kW	Model	kW	Model	kW	Model	kW	Model			kW	Model	kW	Model					
250-250-560	A										860	106										
	B										830	98										
	C										760	78										
	D										665	57	160	315L1-4								
250-250-630	A										855	128										
	B										816	119										
	C										720	96										
	D										625	71										
300-300-400	A										1050	48										
	B										1010	45	160	315L1-4								
	C										900	34	132	315M-4	160	315L1-4						
	D										780	26	90	280M-4	132	315M-4	160	315L1-4				
300-300-500	A										1240	78										
	B										1170	75										
	C										1015	57										
	D										870	42	160	315L1-4								
300-300-560	A										1340	104										
	B										1280	97										
	C										1140	77										
	D										950	56										
300-300-630	A										1450	132										
	B										1375	125										
	C										1170	100										
	D										950	75										
400-400-500	A										1870	74										
	B										1800	70										
	C										1520	52										
	D										1300	38										
400-400-560	A										2040	98										
	B										1950	91										
	C										1760	74										
	D										1500	54										
400-400-630	A										2390	125										
	B										2280	117										
	C										1960	95										
	D										1610	70										

Note: In this table, there are flow and head, but if the pump has no power value, or the power out of 160kW, must be determined when ordering.

## ISG\ISW\ISB ISERIES PIPELINE CENTRIFUGAL PUMP

### GENERAL

ISG\ISW\ISB series pipeline centrifugal pumps are new type pump which they choose the outstanding hydraulic model, based on the common centrifugal pump to design. ISG is the vertical pipe centrifugal pump. ISW is the horizontal pipe centrifugal pump. ISB is the easy-disassembling pipe centrifugal pump. This series pumps are high-efficiency, energy-saving, low-noise, reliable-performance etc. there creating heat-exchanger pump, high-temperature pump, corrosion resistance chemical pump, oil pump etc according to the different of the temperature and the medium. They can meet their requirement on most occasions.

### APPLIED RANGE

1、ISG\ISW\ISB series clarified water pump are pumping clear water or the physics and chemical feature is similar to water which temperature  $\leq 80^{\circ}\text{C}$ , can be used in industry, municipal water supply, pressurize supply water in high-rise building., irrigation in parks, distance pump water, etc;

2、IRG(GRG)\IRW\IRB hot water pump widely used in energy, metallurgy, chemical industry, textile industry, paper manufacturing industry, boiler hot water pressurize in hotel or restaurant and municipal heating system, etc. the work temperature  $\leq 120^{\circ}\text{C}$  ( GRG temperature  $\leq 240^{\circ}\text{C}$ );

3、IHG\IHW\IHB series chemical pump could transfer the corrosive liquid which viscosity similar with water, without particle, for example petroleum, metallurgy, electric power, paper manufacturing industry, food, pharmaceuticals industry, synthetic fibre etc.,the work temperature is  $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$ ;

4、YGYGB pipe-line oil pump can be used in pumping oil products, such as the gas, coal oil, diesel fuel, etc, it is also could transfer the inflammable, explosive medium ,work temperature is  $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$ ;

5、ISWD low rotate speed centrifugal pump is special for environment which is must low noise, the work temperature is lower than  $100^{\circ}\text{C}$ .

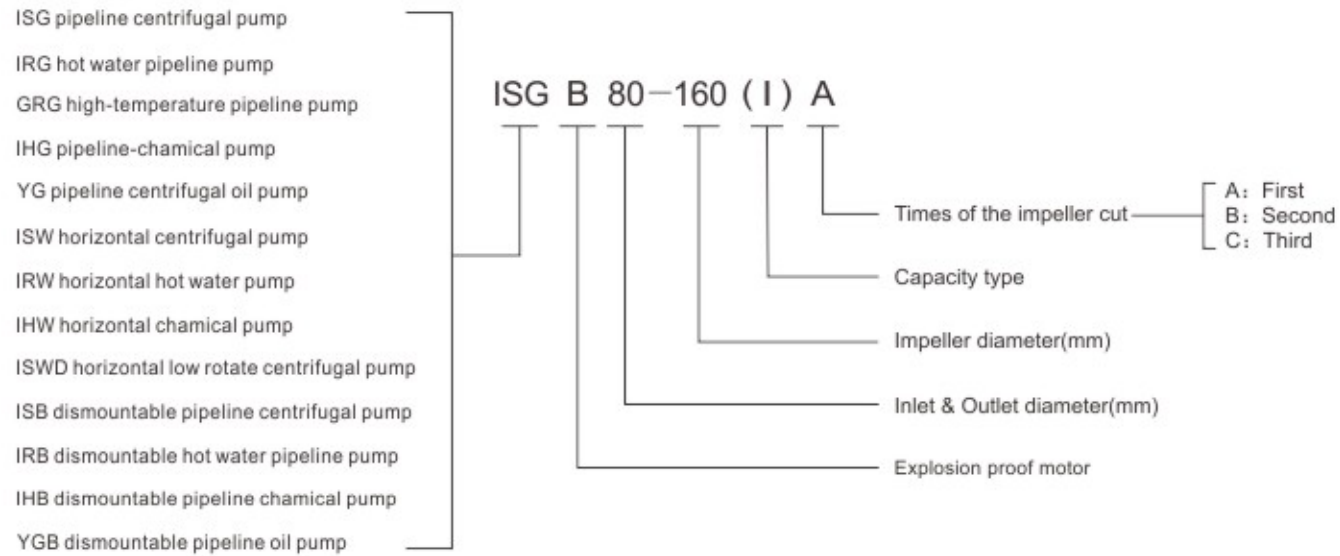


IHG TYPE

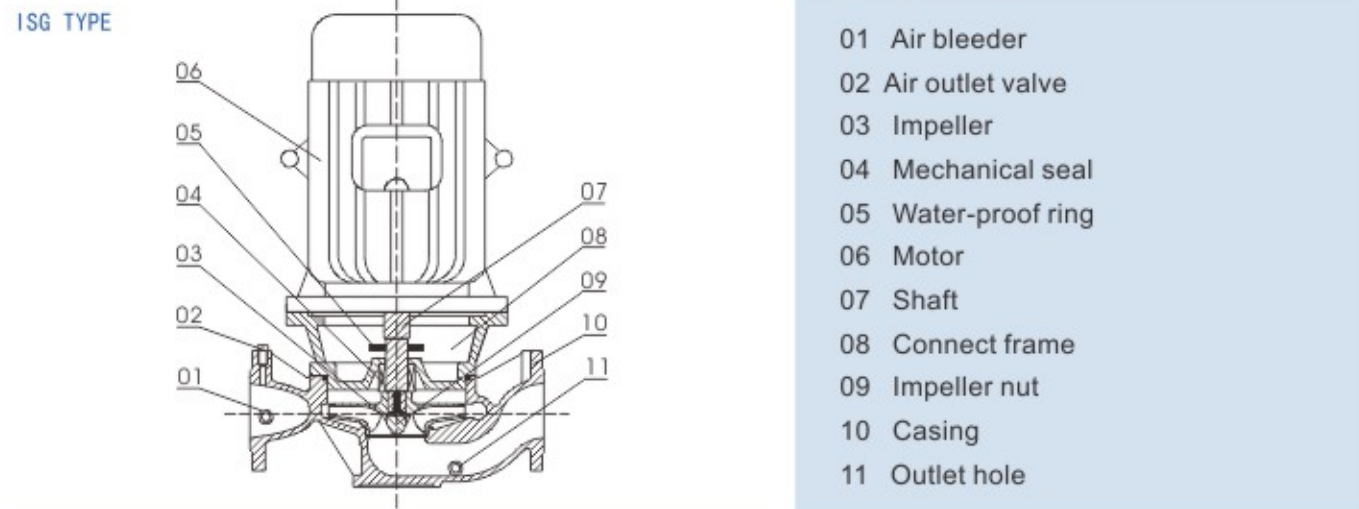
IHB TYPE

IHW TYPE

## MEANING OF THE MODEL

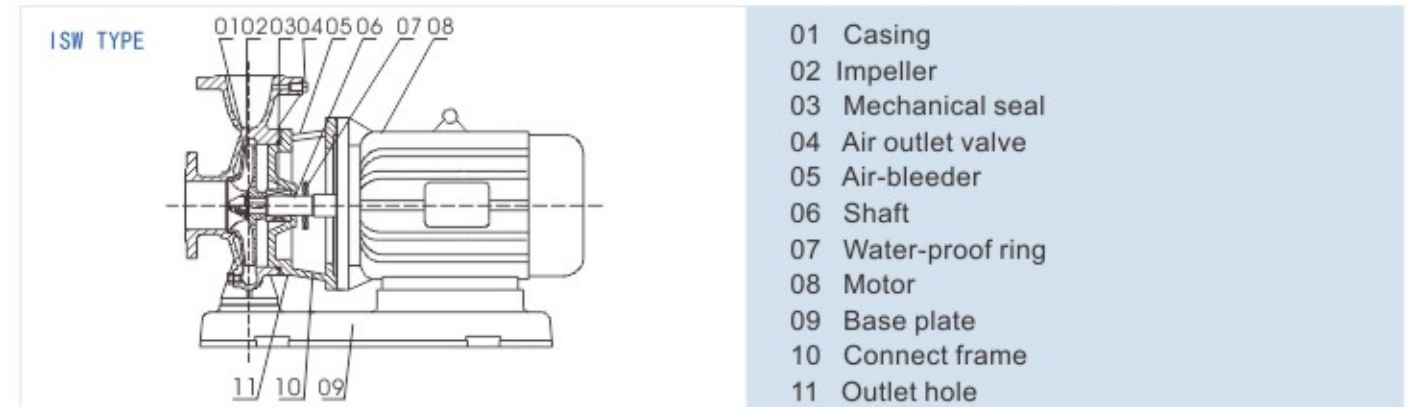


## STRUCTURE&CHARACTER



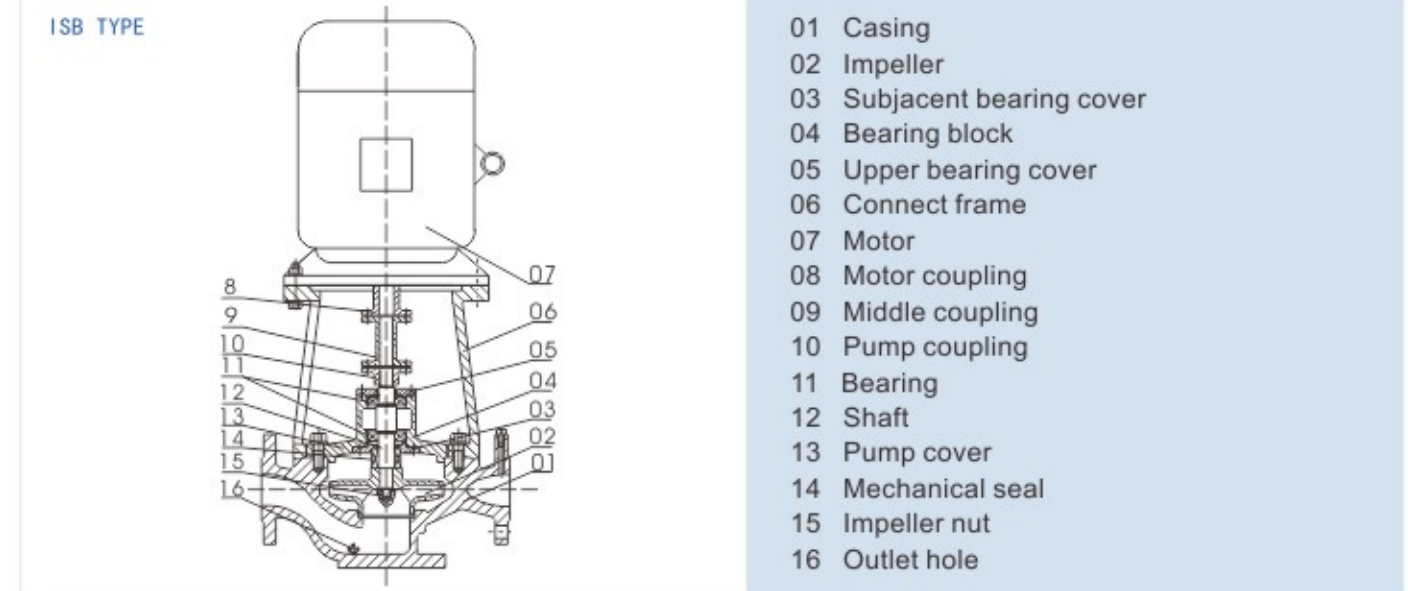
### CHARACTER:

1. The pump is vertical structure, compact structure, small floor area;
2. Caliber of the inlet is same as outlets', it is convenient to fix;
3. Low noise, high efficiency;
4. The material of the shaft seal is mechanical seal which is made by hard alloy or tungsten carbide;
5. Adept to the vertical or horizontal installation according to the distribution of pipes.



### CHARACTER:

1. The pump is horizontal pump, motor and pump fix on one base, so the pump running quietly and smooth;
2. Reasonable and simple structure, long running life;
3. The pump is back pullout structure, easy to repair;
4. You can fix pipe to left, up, right direction.



### CHARACTER:

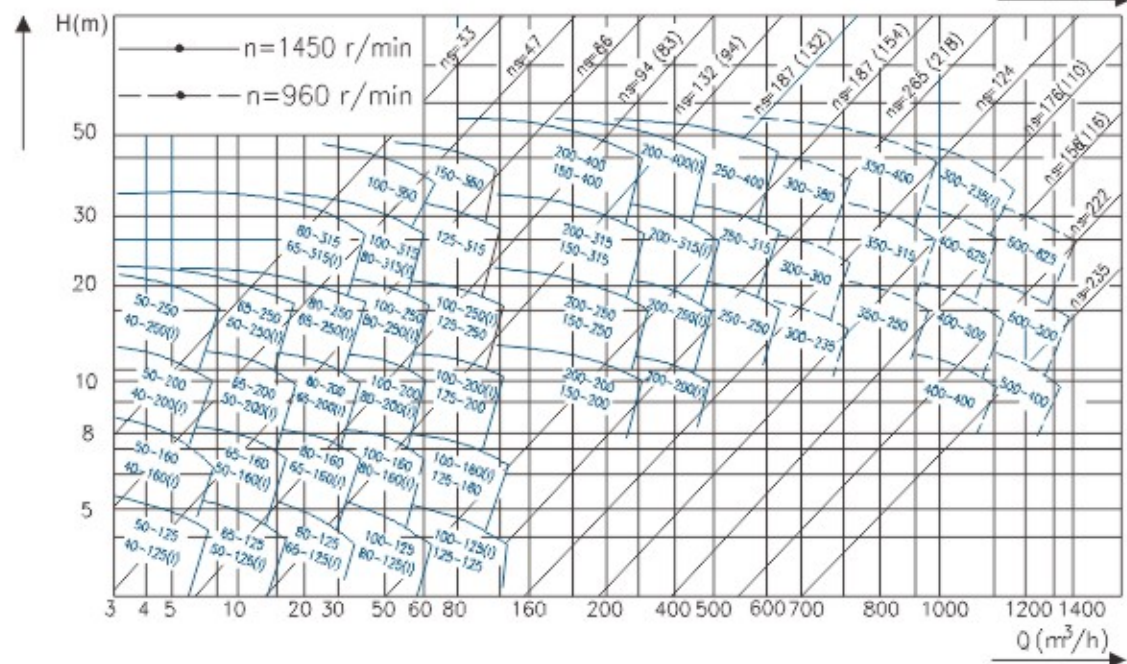
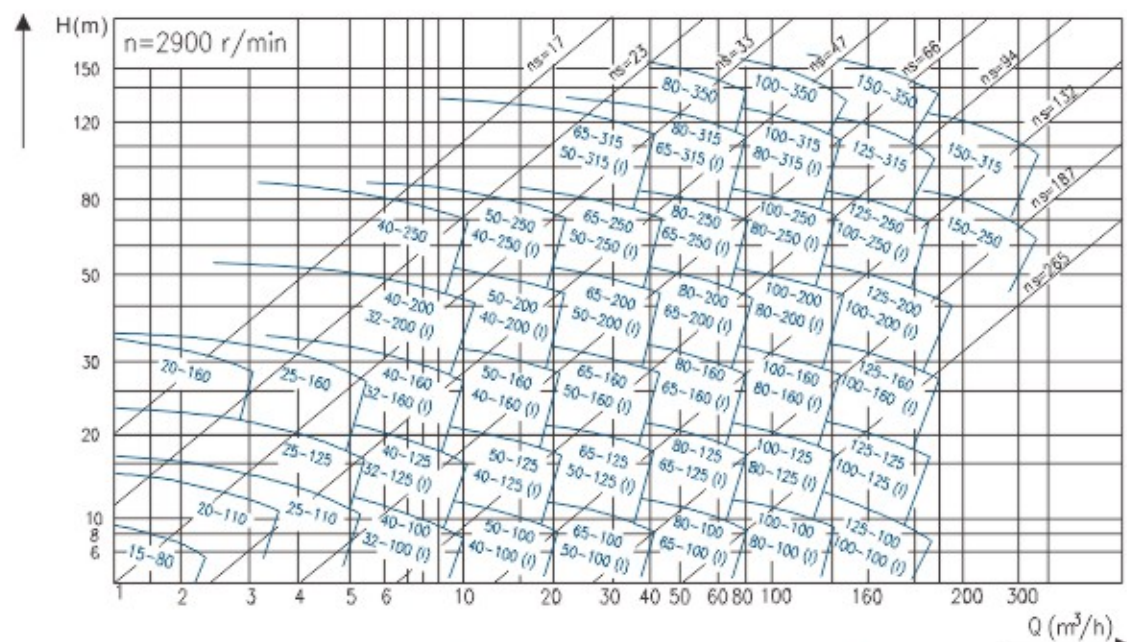
1. Independent bearing and shaft support, it is better than support by the motor shaft;
2. The special design of pump cover, it is very convenient to take out the bearing block, pump cover, pump shaft, impeller;
3. Use the "Y" series general purpose motor;
4. The special design in pump cover, it's convenience to disassembly and assembly.



### OPERATION PARAMETER

Caliber: DN15~DN500mm  
 Capacity: 1.1~1500m<sup>3</sup>/h  
 Head: 7~153.6m  
 Rotate speed: 2900r/min; 1450r/min; 960r/min  
 Viscosity: ≤ 100mm<sup>2</sup>/s  
 Pressure: ≤ 1.6Mpa  
 Motor power: 0.18~160kW

### PERFORMANCE CURVE



### PERFORMANCE PARAMETER

Model	Capacity		Head (m)	Efficiency (%)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)
	(m <sup>3</sup> /h)	(L/S)					
15-80	1.1	0.3	8.5	26	2900	0.18	2.3
	2.0	0.55	9	34			
20-110	1.8	0.5	16	25	2900	0.37	2.3
	2.5	0.69	15	34			
20-160	1.8	0.5	33	19	2900	0.75	2.3
	3.3	0.91	13.5	35			
25-110	2.8	0.78	16	34	2900	0.55	2.3
	4	1.11	15	42			
25-125	2.8	0.78	20.5	28	2900	0.75	2.3
	4.6	1.28	14.4	35			
25-125A	2.5	0.69	17	29	2900	0.55	2.3
	4.6	1.28	14.4	35			
25-160	2.8	0.78	33	24	2900	1.5	2.3
	4	1.11	32	32			
25-160A	2.6	0.12	29	31	2900	1.1	2.3
	3.7	1.03	28	31			
32-100	3.5	0.97	14.5	35	2900	0.55	2.3
	4.5	1.24	12.5	40			
32-125	3.5	0.97	22	40	2900	0.75	2.3
	6.5	1.8	18	42			
32-125A	3.1	0.86	17.6	43	2900	0.55	2.3
	4.5	1.25	16	43			
32-160	4.4	1.22	28	40	2900	1.5	2.3
	8.3	2.32	30	42			
32-160A	2.8	0.78	27	31	2900	1.1	2.0
	4.0	1.11	25	34			
32-200	3.1	0.97	50.0	32	2900	3	2.0
	4.5	1.24	48.0	30			
32-200A	2.8	0.78	44.6	34	2900	2.2	2.3
	4	1.11	44	40			
32-100(I)	4.4	1.22	13.2	48	2900	0.75	2.3
	6.3	1.75	12.5	54			
32-160(I)	4.4	1.22	33.2	34	2900	2.2	2.3
	8.3	2.32	30.2	42			
32-200(I)	4.4	1.22	50.5	26	2900	4	2.3
	6.3	1.75	50	33			
40-100	6.3	1.75	12.5	48	2900	0.55	2.3
	8.3	2.31	11.3	53			
40-100A	3.9	1.08	10.6	52	2900	0.37	2.3
	5.6	1.56	10	52			
40-125	4.4	1.22	21	41	2900	1.1	2.3
	6.3	1.75	20	46			
40-125A	3.9	1.08	17.6	40	2900	0.75	2.3
	5.6	1.56	16	45			
40-160	4.4	1.22	33	35	2900	2.2	2.3
	6.3	1.75	32	40			
40-160A	4.1	1.14	29	34	2900	1.5	2.3
	5.9	1.64	28	39			
40-160B	3.8	1.06	25.5	34	2900	1.1	2.3
	5.5	1.53	24	38			
40-200	4.4	1.22	51	26	2900	4	2.3
	6.3	1.75	50	33			
40-200A	4.1	1.14	45	26	2900	3	2.3
	5.9	1.64	44	31			
40-200B	3.7	1.03	38	29	2900	2.2	2.3
	5.3	1.47	36	34.5			
40-250	4.4	1.22	82	24	2900	7.5	2.3
	8.3	2.31	74	28			
40-250A	4.1	1.14	72	24	2900	5.5	2.3
	5.9	1.64	70	29			
40-250B	3.8	1.06	61.5	23	2900	4	2.3
	5.5	1.53	57	27			
40-100(I)A	1.1	0.3	10.6	60	2900	0.75	2.3
	14.5	4.03	9	65			
40-125(I)	8.8	2.44	21.2	49	2900	1.5	2.3
	12.5	3.47	20	58			
40-125(I)A	8	2.22	17	57	2900	1.1	2.3
	11	3.05	16	57			
40-160(I)	8.8	2.44	33	45	2900	3	2.3
	16.3	4.53	30	51			
40-160(I)A	8.2	2.28	29	44	2900	2.2	2.3
	11.7	3.25	28	51			
40-160(I)B	7.3	2.38	23	50	2900	1.5	2.3
	10.4	2.89	22	50			
40-200(I)	8.8	2.44	52.7	49	2900	7.5	2.5
	12.5	3.47	50	58			
40-200(I)A	16.4	4.56	46.4	48	2900	7.5	2.5
	23.5	6.53	44	57			
40-200(I)B	15.2	4.22	40	58	2900	5.5	2.5
	28.3	7.86	34.5	54			
40-250(I)	17.5	4.86	82	39	2900	15	2.5
	25	6.94	80	50			
40-250(I)A	15.2	4.22	71.5	39	2900	11	2.5
	23.4	6.5	70	50			
40-250(I)B	15	4.17	61	38	2900	11	2.5
	21.6	6.0	60	49			
40-315(I)	17.5	4.86	128	30	2900	30	2.5
	25	6.94	125	40			
40-315(I)A	16.6	4.61	115	30	2900	22	2.5
	23.4	6.58	113	40			
40-315(I)B	15.7	4.36	103	39	2900	18.5	2.5
	22.5	6.25	101	49			
40-315(I)C	14.4	4.0	86	38	2900	15	2.5
	20.6	5.72	83	48			



(continuation)

Model	Capacity		Head (m)	Efficiency (%)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)
	(m³/h)	(L/S)					
150-315(I)A	112 187 224	31.1 51.9 62.2	116 110 105	57 72 74	2900	90	4.5
150-315(I)B	104 173 208	28.9 48.1 57.8	100 95 91	55 70 72	2900	75	4.5
200-200	140 200 260	38.9 55.6 72.2	13.8 12.5 10.6	68 78 78	1450	15	3.0
200-200A	125 179 232.5	34.7 49.7 64.6	11 10 8.5	66 76 76	1450	11	3.0
200-250	140 200 260	38.9 55.6 72.2	21.8 20 17	73 79 77	1450	18.5	3.0
200-250A	129 184.4 240	35.8 51.2 66.7	18.5 17 14.4	72 78 76	1450	15	3.0
200-250B	117 167 217.5	32.5 46.4 60.4	15.2 14 12	76	1450	11	3.0
200-315	140 200 260	38.9 55.6 72.2	33.8 32 28	70 78 78	1450	30	3.5
200-315A	131 189 243	36.4 51.9 67.5	29.5 28 24.5	69 77 77	1450	22	3.5
200-315B	121 173 225	33.6 48.1 62.5	25 24 21	76	1450	18.5	3.5
200-400	140 200 260	38.9 55.6 72.2	53 50 44	68 75 71	1450	45	3.5
200-400A	131 187 243	36.4 51.9 67.5	46.4 44 38.3	67 74 70	1450	37	3.5
200-400B	122 174 226.5	33.9 48.6 62.9	40 38 33	73	1450	30	3.5
200-400C	112 160 208	31.3 44.4 57.8	34 32 28	71	1450	22	3.5
200-200(I)	280 400 520	77.8 111.1 144	13.4 12.5 10.5	70 80 79	1450	22	4.0
200-200(I)A	250 358 465	69.4 90.4 129.2	10.7 10 8.5	68 73 77	1450	18.5	4.0
200-250(I)	280 400 520	77.8 111.1 144	22.2 20 17	75 80 72	1450	30	4.0
200-250(I)A	250 358 465	69.4 90.4 129.2	18 16 11.2	73 78 70	1450	22	4.0
200-250(I)B	226 322 419	62.8 89.4 116.4	14.4 13 7.3	70 75 67	1450	18.5	4.0
200-315(I)	280 400 520	77.8 111.4 144	36 32 26	73 80 75	1450	55	4.0
200-315(I)A	362 374 486	72.8 103.9 135	31.5 28 23	72 79 74	1450	45	4.0
200-315(I)B	242 348 450	67.3 96.1 125	27 24 19.5	78	1450	37	4.0
200-400(I)	280 400 520	77.8 111.4 144	54.5 50 39	75 81 77	1450	90	4.0
200-400(I)A	262 374 486	72.8 103.9 135	48 44 34	80	1450	75	4.0
200-400(I)B	242 348 450	67.3 96.1 125	41.4 38 29.6	78	1450	55	5.0
200-400(I)C	224 320 416	62.2 88.5 115.6	34.9 32 25	76	1450	45	5.0
250-250	350 500 650	97.2 152.8 180.5	22 20 16	78 82 81	1450	45	5.0
250-250A	300 500 600	83.3 139 166.7	18.3 17 14	76 80 80	1450	37	5.0
250-235	300 500 600	83.3 139 166.7	14 12.5 11	73 78 78	1450	22	4.5
250-300	300 500 600	83.3 139 166.7	22 20 16	78	1450	37	4.5
250-315	350 550 650	97.2 152.8 180.5	34 32 28	76 80 79	1450	75	5.5
250-315A	300 500 600	83.3 139 166.7	29.5 28 24	74 78 77	1450	55	5.5
250-315B	280 450 520	72.2 125 144.4	25 24 20	70 74 72	1450	45	5.5
250-400	300 500 600	83.3 139 166.7	54.5 50 39	72	1450	110	4.5
300-235	480 720 900	133.3 200 250	20 18 15.5	77 81 74	960	55	5.0
300-235A	438 607 821	121.7 182.5 228.1	16.5 15 13	75 79 72	960	45	5.0

Model	Capacity		Head (m)	Efficiency (%)	Rotate speed (r/min)	Motor power (kW)	NPSHr (m)
	(m³/h)	(L/S)					
300-235B	400 600 750	111.1 167.0 208.3	14 12.5 11	73 77 70	960	37	5.0
300-300	480 720 900	133.3 200 250	31 28 25	77 81 77	960	75	5.0
300-300A	444 666 833	123.3 185 231.4	26.5 24 21.5	76 80 76	960	75	5.0
300-300B	415 623 779	115.3 173.1 261.4	23 21 18.5	79	960	55	5.0
300-380	480 720 900	133.3 200 250	48 44 34	84	960	132	5.0
300-380A	444 666 833	123.3 185 231.4	41.4 38 30	80	960	110	5.0
300-380B	409 614 767	113.3 170.6 213.1	35 32 25	78	960	90	5.0
300-235(I)	718 1080 1345	199.4 300 373.6	44.6 40 34.6	82	960	160	5.5
300-235(I)A	642 965 1203	178.3 268.1 334.2	35.7 32 27.7	80	960	132	5.5
350-250	480 800 960	133.3 222.3 266.7	23 20 16	82	960	75	5.0
350-250A	430 715 860	119.4 198.6 238.9	18.5 16 13.0	81	960	55	5.0
350-315	480 800 960	133.3 222.2 266.7	35 32 27	81	960	90	5.0
350-315A	450 748 900	125 207.8 250	30.5 28 23.5	80	960	75	5.0
350-315B	416 692 832	115.6 192.2 231.1	26 24 20	78	1450	75	5.0
350-400	480 800 960	133.3 222.2 266.7	53 50 46	80	1450	160	5.0
350-400A	450 750 900	125 208.3 250	48.5 46 40	79	1450	132	5.0
350-400B	418 697 836	116.1 193.6 232.2	40 38 34.5	78	1450	110	5.0
400-400	650 1080 1300	180.6 300 361	15 12.5 11.0	83	960	55	5.0
400-400A	580 966 1160	161.1 268.3 322.2	12 10 8.5	82	960	45	5.0
400-500	650 1080 1300	180.6 300 361	23.5 20 18	81	960	90	5.0
400-500A	600 996 1200	166.7 276.7 333.3	20 17 15	80	960	75	5.0
400-500B	560 935 1120	155.6 259.7 311.1	17.5 15 13.2	78	960	55	5.0
400-625	650 1080 1300	180.6 300 361	35 32 29	82	960	132	5.0
400-625A	600 996 1200	166.7 276.7 333.3	30 27 25	81	960	110	5.0
400-625B	560 935 1120	155.6 259.7 311.1	26 24 21.5	80	960	90	5.0
500-400	750 1200 1500	208.3 333.3 416.7	14.5 12.5 11	81	960	75	5.0
500-400A	670 1073 1340	186.1 298.1 372.2	11.5 10 8.8	80	960	55	5.0
500-500	750 1200 1500	208.3 333.3 416.7	24 20 18	82	960	110	5.0
500-500A	690 1106 1380	191.7 307.2 383.3	20 17 15	80	960	90	5.0
500-500B	648 1040 1296	180 288.9 360	17.5 15 13.5	80	960	75	5.0
500-625	750 1200 1500	208.3 333.3 416.7	35 32 29	81	960	160	5.0
500-625A	690 1106 1380	191.7 307.2 383.3	29.5 27 24.5	80	960	132	5.0
500-625B	648 1040 1296	180 288.9 360	26 24 22	79	960	110	5.0

Note: The 1450r/min rotate motor, also can be used for the pump outlet diameter  $\geq 40$ mm (rotate is 2900r/min), the result is capacity is 1/2, of original head is 1/4 of original.

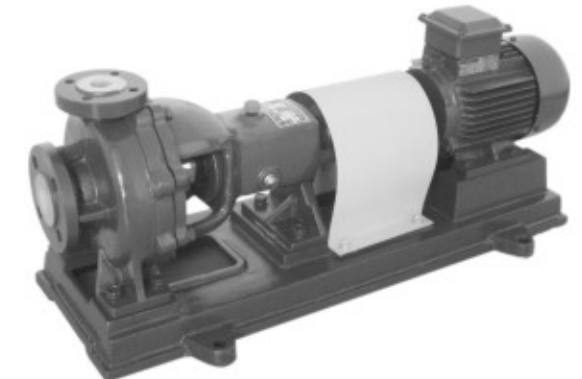
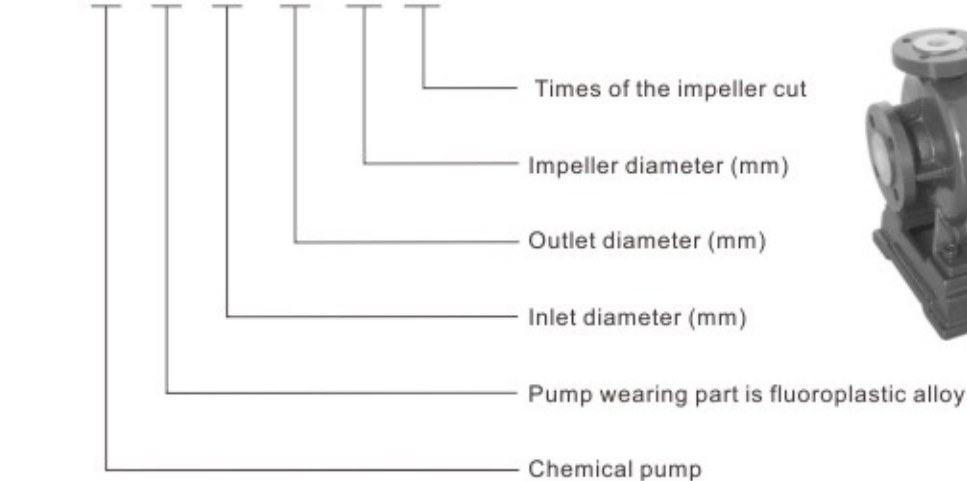
## IHF FLUOROPLASTIC CHEMICAL CENTRIFUGAL PUMP

### GENERAL

IHF pumps are fluoroplastic lined single stage single suction horizontal chemical centrifugal pumps. The technical characteristics can meet the international standard ISO 2858, ISO 3661. They have the characteristics of resistant to low and high temperature, ageing resistance, innocuous analytical etc. they can delivery the organic acid, inorganic acid, mixed acid, alkali, acid based exchanged, strong oxidizer, organic solvent, and so on. They can be applicable to petroleum, chemical industry, pharmacy, metallurgy, electric force, paper-making, pesticide, electroplating etc. they are one of the best resistant material.

### MEANING OF THE MODEL

EX: IH F 50-32-160 A



### PERFORMANCE RANGE

Caliber: DN32~DN125mm

Capacity: 1.75~240m³/h

Head: 4.37~90m

Rotate speed: 2900r/min; 1450r/min

Work temperature:  $\leq 150^\circ\text{C}$

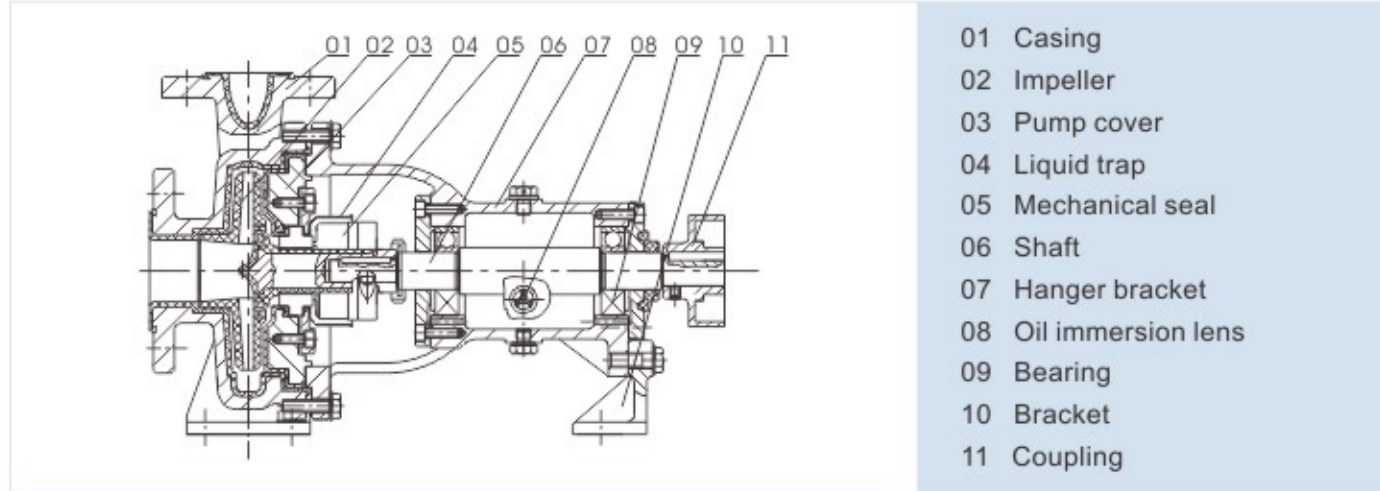
Viscosity:  $\leq 150\text{mm}^2/\text{s}$

Pressure:  $\leq 1.6\text{MPa}$

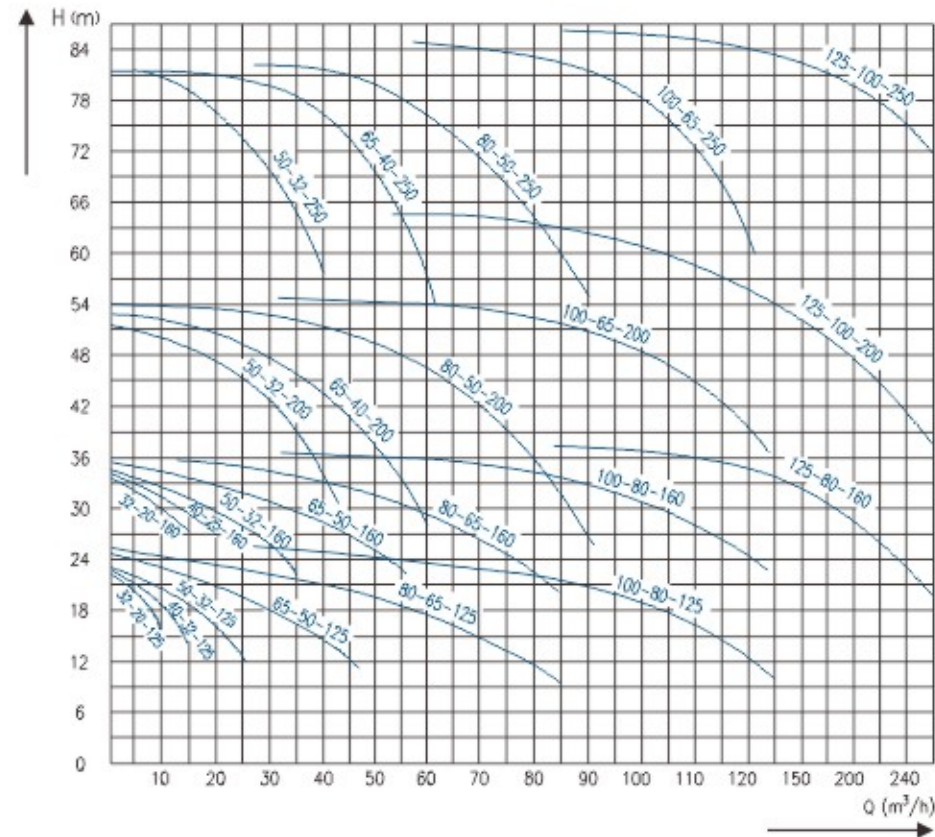
Motor power: 0.75~75kW

### SKETCH MAP OF STRUCTURE

IHF fluoroplastic chemical centrifugal pump adopt metal cover lining with fluoroplastic, impeller and backflow are metal part outer pack fluoroplastic alloy, shaft seal is external single mechanical seal, stator ring is 99.9% alumina ceramics and SIC, rotor ring is PTFE or SIC.



### PERFORMANCE CURVE



### PERFORMANCE PARAMETER

Model	Rotate speed (r/min)	Capacity		Head (m)	Efficiency (%)	Power(kW)		NPSH (m)	Weight (kg)
		(m³/h)	(L/S)			Shaft power	Motor power		
IHF32-25-125	2900	3.5 5 6.5	0.97 1.39 1.80	21 20 18	40 44 42	0.50 0.62 0.76	1.5	2.3	80
	1450	1.75 2.5 3.25	0.49 0.69 0.90	5.25 5 4.5	37 40 38	0.068 0.085 0.105	0.75	2.3	75
IHF32-25-125A	2900	3.1 4.5 5.8	0.86 1.25 1.61	17.6 16 14.4	38 41 40	0.40 0.48 0.57	1.1	2.3	75
	1450	1.75 2.5 3.25	0.49 0.69 0.90	8.25 8 7.5	30 38 40	0.131 0.143 0.166	0.75	2.3	75
IHF32-25-160	2900	3.5 5 6.5	0.97 1.39 1.80	33 32 30	34 40 42	0.93 1.10 1.26	2.2	2.3	90
	1450	1.75 2.5 3.25	0.49 0.69 0.90	8.25 8 7.5	30 38 40	0.131 0.143 0.166	0.75	2.3	75
IHF32-25-160A	2900	3.1 4.5 5.8	0.86 1.25 1.61	29 28 26	30 35 36	0.81 0.97 1.14	1.5	2.3	80
	1450	1.75 2.5 3.25	0.49 0.69 0.90	8.25 8 7.5	30 38 40	0.131 0.143 0.166	0.75	2.3	75
IHF40-32-125	2900	4.4 6.5 8.3	1.22 1.80 2.31	21 20 18	40 45 43	0.63 0.79 0.95	2.2	2.5	90
	1450	2.2 3.25 4.15	0.60 0.90 1.15	5.25 5 4.5	37 41 40	0.085 0.108 0.127	0.75	2.5	75
IHF40-32-125A	2900	3.9 5.6 7.4	1.08 1.56 2.06	17.6 16 14.4	38 42 40	0.49 0.58 0.72	1.5	2.5	80
	1450	2.2 3.25 4.15	0.60 0.90 1.15	5.25 5 4.5	37 41 40	0.085 0.108 0.127	0.75	2.5	75
IHF40-32-160	2900	4.4 6.5 8.3	1.22 1.80 2.31	33 32 30	34 40 39	1.16 1.42 1.71	2.2	2.5	90
	1450	2.2 3.25 4.15	0.60 0.90 1.15	8.25 8 7.5	33 36 37	0.14 0.15 0.18	0.75	2.5	75
IHF40-32-160A	2900	3.9 5.6 7.4	1.08 1.56 2.06	29 28 26	32 38 37	0.96 1.23 1.41	1.5	2.5	80
	1450	2.2 3.25 4.15	0.60 0.90 1.15	8.25 8 7.5	33 36 37	0.14 0.15 0.18	0.75	2.5	75
IHF50-32-125	2900	8.8 12.5 16.3	1.08 1.56 2.06	21 20 17.5	45 54 53	1.15 1.26 1.47	2.2	3.0	90
	1450	4.4 6.25 8.15	1.2 1.74 2.26	5.37 5 4.37	37 46 45	0.17 0.17 0.22	0.75	3.0	75
IHF50-32-125A	2900	8 11 14.5	2.22 3.05 4.03	17 16 14	42 52 51	0.88 0.92 1.08	1.5	3.0	80
	1450	4.4 6.25 8.15	1.2 1.74 2.26	8.25 8 7.5	31 41 42	0.31 0.33 0.39	0.75	3.0	90
IHF50-32-160	2900	8.8 12.5 16.3	2.44 3.47 4.53	33 32 30	41 48 47	1.93 2.27 2.84	4	3.0	120
	1450	4.4 6.25 8.15	1.2 1.74 2.26	8.25 8 7.5	31 41 42	0.31 0.33 0.39	0.75	3.0	90
IHF50-32-160A	2900	8.2 11.7 15.2	2.28 3.25 4.22	29 28 26	39 47 46	1.16 1.88 2.34	3	3.0	100
	1450	4.4 6.25 8.15	1.2 1.74 2.26	13 12.5 12	25 33 36	0.62 0.65 0.74	1.5	3.0	100



## SELF-SUCTION CENTRIFUGAL PUMP

### GENERAL

The self-suction centrifugal pump is developed according ISO 2858 standard, there are ZX self-suction centrifugal pump, ZW self-suction non-clog dredge pump, FZB(PZB) fluoroplastic self-suction decay resistance pump, CYZ-A self-suction centrifugal oil pump.

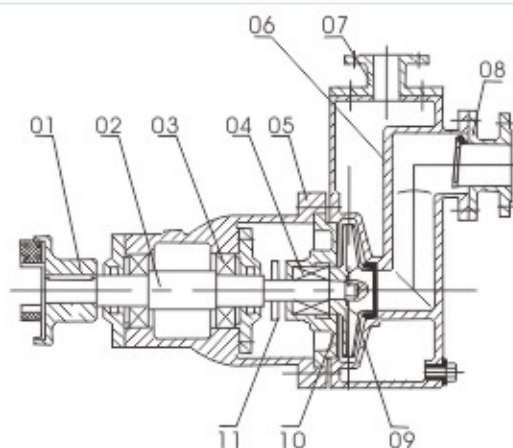
### CHARACTER

Self-suction centrifugal pump structure is simple, easy to operate and repair, efficiency is high, long life. There is no need to fix the base valve in pipe run, just ensure there is quantitative priming in the pump body, simplified the pipe run system.

### APPLIED RANGE

1. ZX self-suction centrifugal pump is applicable for transferring water, acid-base liquid, and pasty slurry. (Viscosity  $\leq 100$  centipaise particle percentage  $\leq 30\%$ ).
2. ZW self-suction non-blinding dredge, pump is applicable for transferring waste water muddy water, drinker and paper stuff etc and is applicable for public pollution. Discharging works, and aquiculture etc too. It's the best pump to transfer the particle fibre slurry and mixed suspending medium.
3. CYZ-A self-suction centrifugal oil pump is applicable for transferring petrol, coal oil, diesel oil, sea water and dear water, and is applicable for ballast pump, and machine cool-done, water, circulate pump etc.
4. FZB(PZB) self-suction pump is applicable for the temperature between  $-80^{\circ}\text{C}$  and  $180^{\circ}\text{C}$ , transferring for any density(no particle) acid base and salt solution, some oxidant and strongly corrosion liquid.

### SKETCH MAP OF STRUCTURE



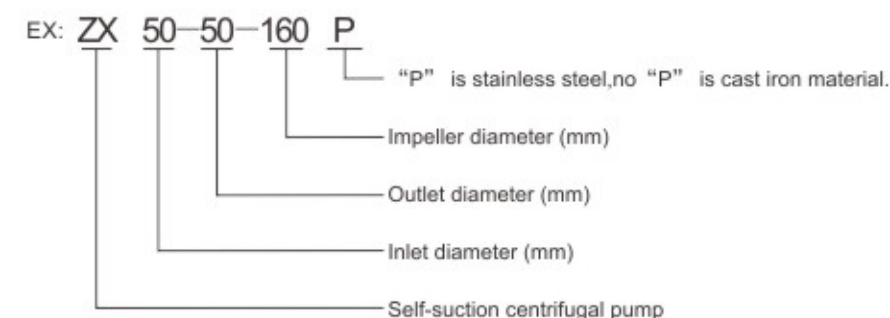
- 01 Coupling
- 02 Shaft
- 03 Bearing
- 04 Mechanical seal
- 05 Bearing body
- 06 Casing
- 07 Outlet base
- 08 Inlet base
- 09 Impeller
- 10 Pump cover
- 11 Water-proof

## ZX SELF-SUCTION CENTRIFUGAL PUMP

### GENERAL

ZX self-suction pump is applicable for environment protection, architecture, fire control, chemical, pharmaceutical, printing and dyeing, brewing, electric power, galvanizing, paper-making, etc.

### MEANING OF THE MODEL



### OPERATION PARAMETER

- Caliber: DN25~DN150mm
- Capacity: 2.5~160m<sup>3</sup>/h
- Head: 17~80m
- Rotate speed: 2900r/min
- Work temperature:  $\leq 120^{\circ}\text{C}$
- Viscosity:  $\leq 100\text{mm}^2/\text{s}$
- Pressure:  $\leq 1.6\text{Mpa}$
- Self-suction height:  $\leq 5\text{m}$
- Motor power: 1.1~55kW

### PERFORMANCE PARAMETER

Model	Capacity (m <sup>3</sup> /h)	Head (m)	Rotate speed (r/min)	Self-suction height (m)	Power (kW)		Efficiency (%)	Weight (kg)
					Shaft power	Motor power		
ZX25-25-125	3.2	20	2900	5	0.46	1.1	36	58
ZX25-25-160	3.2	32		5	0.8	1.5	33	69
ZX32-25-160	3.2	32		5	0.82	1.5	34	72
ZX32-25-180	3.2	40		5	1.4	4	20	120
ZX32-25-200	3.2	50		5	1.6	4	28	125

(continuation)

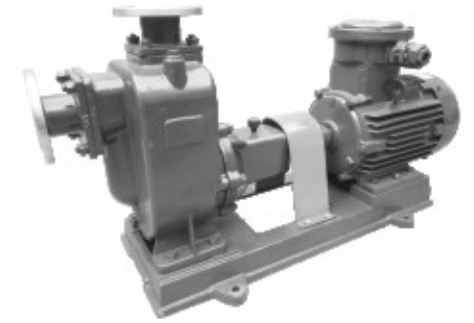
Model	Capacity (m <sup>3</sup> /h)	Head (m)	Rotate speed (r/min)	Self-suction height (m)	Power (kW)		Efficiency (%)	Weight (kg)
					Shaft power	Motor power		
ZX40-32-125	6.3	20	2900	5	0.87	1.5	40	74
ZX40-32-160	6.3	30		5	1.37	2.2	40	70
ZX40-32-180	6.3	40		5	2.53	4	43	129
ZX40-32-200	6.3	50		5	2	4	43	150
ZX50-50-125	12.5	20		5	1.8	2.2	55	186
ZX50-50-160	12.5	32		5	2.7	4	40	127
ZX50-50-180	12.5	40		5	2.7	4	50	136
ZX50-50-200	12.5	50		5	4.3	5.5	40	145
ZX50-50-230	12.5	60		5	6.2	7.5	40	173
ZX50-50-250	12.5	70		5	9.8	11	42	223
ZX65-50-125	25	17		4.5	2	3	58	110
ZX65-50-160	25	32		4.5	4.4	5.5	50	150
ZX65-50-200	25	50		4.5	6.8	7.5	50	171
ZX65-50-250	25	70		4.5	12	15	40	230
ZX80-65-125	35	17		4.5	3.1	4	52	115
ZX80-65-140	50	20		4.5	4.4	5.5	62	140
ZX80-65-160	50	32		4.5	6.8	7.5	64	163
ZX80-65-200	60	50		4.5	15	18.5	55	260
ZX80-65-230	55	60		4.5	15	18.5	60	262
ZX80-65-250	60	70		4.5	20.1	22	57	303
ZX100-100-125	100	20		4.5	7.8	11	70	241
ZX100-100-160	100	32		4.5	15.9	18.5	55	280
ZX100-100-180	100	40		4.5	16.3	18.5	67	435
ZX100-100-200	100	50		4.5	18.5	22	74	474
ZX100-100-230	100	65		4.5	27.7	30	64	570
ZX100-100-250	70	80		4.5	24.2	30	63	600
ZX150-100-200	160	55		4	39.2	45	61	789
ZX150-100-250	160	75		4	53.6	55	61	820

Note: We can special design for you if the pump is not including in this table.

## ZW SELF-SUCTION NO-CLOG DREDGE PUMP

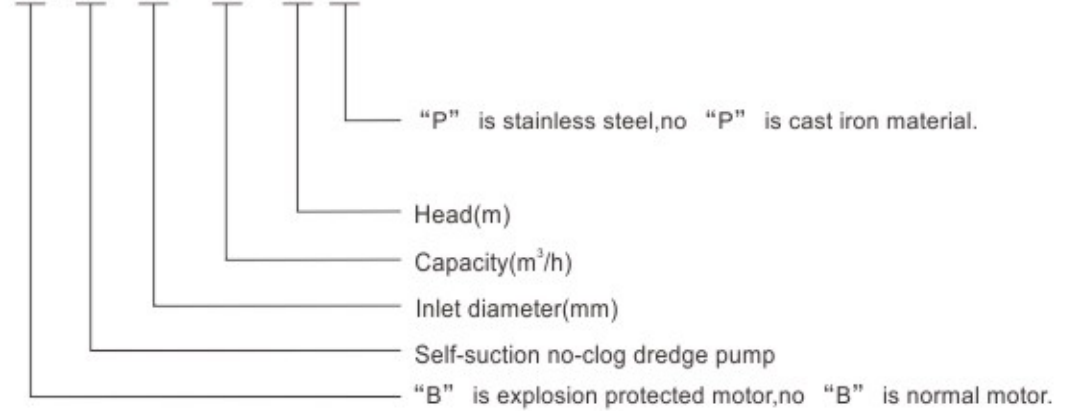
### GENERAL

ZW self-suction no-clog dredge pump is good at pumping the liquid which include the big particle seston, and it is also can be used like the normal clean water self-suction pump, no need to fix the base valve and watering because of the special design of pump body and impeller runner.



### MEANING OF THE MODEL

EX: B ZW 50-15-30 P



### OPERATION PARAMETER

Caliber: DN25~DN300mm  
 Capacity: 5~800m<sup>3</sup>/h  
 Head: 12~60m  
 Rotate speed: 2900r/min; 1450r/min  
 Work temperature: ≤60°C; ≤120°C(Special)  
 Viscosity: ≤150mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Self-suction height: ≤4.5m  
 Motor power: 1.5~55kW

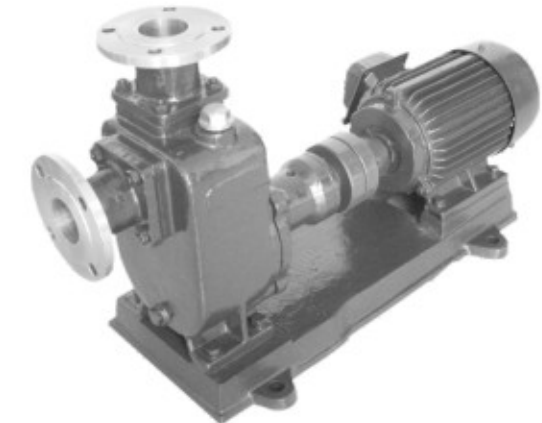
### PERFORMANCE PARAMETER

Model	Capacity (m <sup>3</sup> /h)	Head (m)	Rotate speed (r/min)	Self-suction height (m)	Motor power (kW)	Efficiency (%)	Weight (kg)
ZW25-8-15	8	15	2900	4.5	1.5	45	100
ZW32-5-20	5	20	2900	4.5	2.2	45	100
ZW32-10-20	10	20	2900	4.5	2.2	45	100
ZW32-20-12	20	12	2900	4.5	3	45	100
ZW40-10-20	10	20	2900	4.5	2.2	45	100
ZW40-20-15	20	15	2900	4.5	2.2	45	100
ZW40-15-30	15	30	2900	4.5	3	60	120
ZW50-10-20	10	20	2900	4.5	2.2	58	100
ZW50-20-12	20	12	2900	4.5	2.2	45	100
ZW50-15-30	15	30	2900	4.5	3	60	120
ZW50-20-35	20	35	2900	4.5	5.5	48	150
ZW65-30-18	30	18	1450	4.5	4	60	200
ZW65-25-30	25	30	2900	4.5	5.5	50	200
ZW65-25-40	25	40	2900	4.5	7.5	55	200
ZW65-40-25	40	25	1450	4.5	7.5	50	200
ZW80-40-16	40	16	1450	4	4	62	240
ZW80-40-25	40	25	2900	4	7.5	50	200
ZW80-25-40	25	40	2900	4	7.5	50	200
ZW80-65-25	65	25	2900	4	7.5	52	240
ZW80-80-35	80	35	2900	4	15	62	285
ZW80-40-50	40	50	2900	4	18.5	50	450
ZW80-50-60	50	60	2900	4	22	55	340
ZW100-100-15	100	15	1450	4	7.5	65	300
ZW100-80-20	80	20	1450	4	7.5	65	300
ZW100-100-20	100	20	1450	4	11	53	340
ZW100-100-30	100	30	2900	4	22	53	510
ZW125-120-20	120	20	1450	4	15	60	500
ZW150-180-14	180	14	1450	4	15	60	500
ZW150-180-20	180	20	1450	4	22	60	570
ZW150-180-30	180	30	1450	4	37	65	680
ZW150-180-38	180	38	1450	4	55	45	800
ZW200-280-14	280	14	1450	4	22	65	700
ZW200-280-28	280	28	1450	4	55	55	940
ZW200-300-18	300	18	1450	4	37	65	800
ZW250-420-20	420	20	1450	4	55	61	1150
ZW300-800-14	800	14	1450	4	55	65	1400

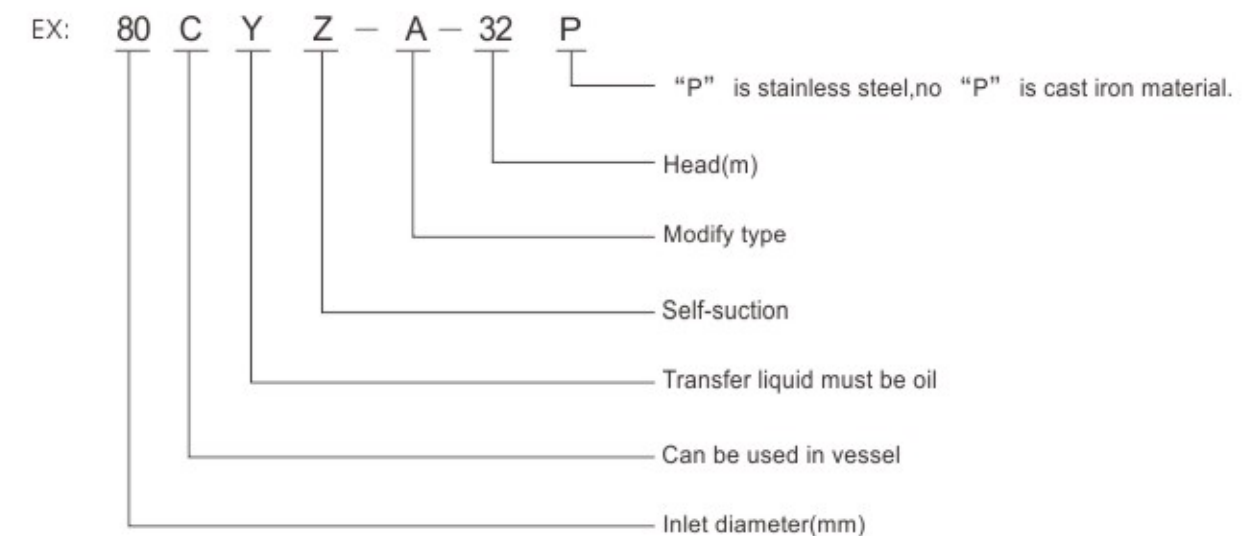
## CYZ-A SELF-SUCTION CENTRIFUGAL OIL PUMP

### GENERAL

CYZ-A self-suction centrifugal oil pump is applicable for petroleum, oil store, fuel tanker truck, gasoline station dock, airport, and also can be used as fire-fighting pump, burr pump, if used in oil tanker it is also a sweeping hold pump. If choose the corrosion resistant mechanical seal or stainless steel material, the pump is suitable for chemical industry, pharmaceutical industry, printing, paper making industry, electric power and mine.



### MEANING OF THE MODEL



### OPERATION PARAMETER

Caliber: DN25~DN300mm  
 Capacity: 3.2~600m<sup>3</sup>/h  
 Head: 12~80mm  
 Rotate speed: 2900r/min; 1450r/min  
 Work temperature: ≤80℃  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Note: Particle percentage ≤30%  
 Self-suction height: ≤5m  
 Motor power: 1.1~132kW



### PERFORMANCE PARAMETER

Model	Capacity (m <sup>3</sup> /h)	Head (m)	Rotate speed (r/min)	Self-suction height (m)	Power(kW)		Efficiency (%)	Weight (kg)
					Shaft power	Motor power		
25CZ-A-20	3.2	20	2900	5	0.6	1.1	38	72
25CZ-A-32	3.2	32	2900	5	1.1	1.5	30	80
40CZ-A-20	6.3	20	2900	5	1	1.5	33	85
40CZ-A-32	6.3	32	2900	5	1.21	2.2	39	100
40CZ-A-40	10	40	2900	5	2.7	4	40	138
50CZ-A-12	15	12	2900	5	1.1	1.5	45	90
50CZ-A-20	18	20	2900	5	1.8	2.2	55	98
50CZ-A-30	20	30	2900	5	2.6	4	63	140
50CZ-A-35	14	35	2900	5	2.7	4	49	145
50CZ-A-40	10	40	2900	5	2.7	4	40	145
50CZ-A-50	12.5	50	2900	5	4.3	5.5	40	160
50CZ-A-60	15	60	2900	5	6.2	7.5	40	190
50CZ-A-75	20	75	2900	5	9.8	11	42	240
65CZ-A-15	30	15	2900	5	1.9	3	65	100
65CZ-A-25	30	25	2900	5	3.2	5.5	67	125
65CZ-A-32	25	32	2900	5	4.4	5.5	50	165
80CZ-A-13	35	13	2900	4.5	2.9	4	42	107
80CZ-A-17	43	17	2900	4.5	3.1	4	64	156
80CZ-A-22	40	22	2900	4.5	4.4	5.5	55	169
80CZ-A-25	50	25	2900	4.5	5.2	7.5	66	177
80CZ-A-32	50	32	2900	4.5	6.8	7.5	64	180
80CZ-A-55	60	55	2900	4.5	15	18.5	60	310
80CZ-A-70	60	70	2900	4.5	20.1	22	57	333
100CZ-A-20	100	20	2900	4.5	7.8	11	70	258
100CZ-A-32	100	32	2900	4.5	13.2	15	65	310
100CZ-A-40	100	40	2900	4.5	15.1	18.5	72	455
100CZ-A-65	100	65	2900	4.5	27.7	30	64	620
100CZ-A-80	70	75	2900	4.5	22.4	30	64	650
150CZ-A-45	170	45	2900	4	25.7	37	62	600
150CZ-A-55	160	55	2900	4	39.2	45	65	830
150CZ-A-65	170	65	2900	4	46.3	55	65	957
150CZ-A-65A	170	65	1450	4	49.8	55	60	1138
150CZ-A-80	150	80	2900	4	53.6	55	65	986
200CZ-A-32	400	32	1450	4	52.1	55	67	1205
200CZ-A-63	280	63	1450	4	73.9	90	65	1338
200CZ-A-65	350	65	1450	4	97.2	110	64	1553
250CZ-A-32	550	32	1450	4	72.3	75	66	1307
250CZ-A-50	400	50	1450	4	80	90	68	1486
250CZ-A-55	450	55	1450	4	102.1	110	66	1681
300CZ-A-32	600	32	1450	4	79.2	90	66	1608
300CZ-A-50	500	50	1450	4	104.6	110	65	1728
300CZ-A-55	550	55	1450	4	117.6	132	70	1995

## FZB\PZB SELF-SUCTION RESISTANT PUMP

### GENERAL

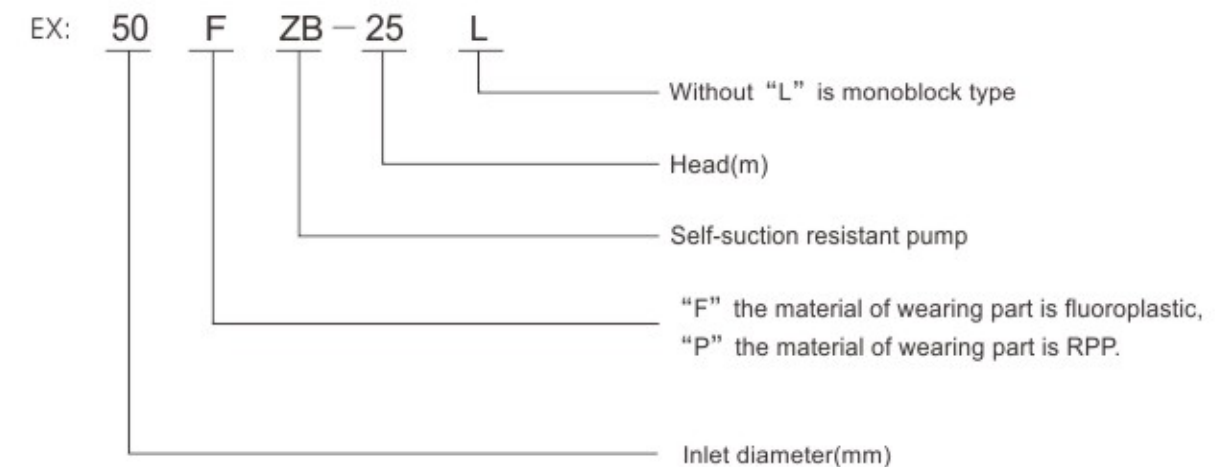
FZB\FZB-L PZB\PZB-L series self-suction resistant pump, is our new products. They have compact structure, good design, and easy to repair, high mechanical robustness, non-ageing, do not cracking toxin. The material for PZB\PZB-L series pump is different from FZB\FZB-L pump.



### APPLIED RANGE

This pump is applicable for chemical, petroleum, pharmaceutical, dyestuff, paint, smelting, paper-making, galvanized, food etc.

### MEANING OF THE MODEL

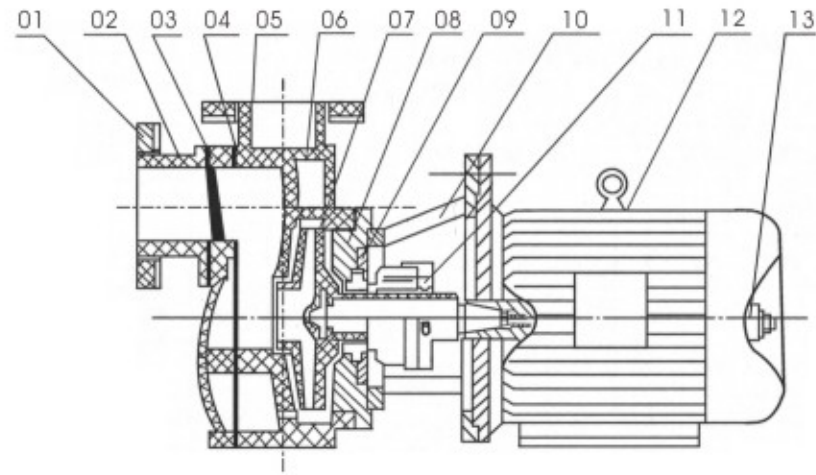


### OPERATION PARAMETER

Caliber: DN25~DN100mm  
 Capacity: 2.5~110m<sup>3</sup>/h  
 Head: 10~72m  
 Rotate speed: 2900r/min  
 Work temperature: ≤150℃  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Self-suction height: ≤3m  
 Motor power: 2.2~30kW

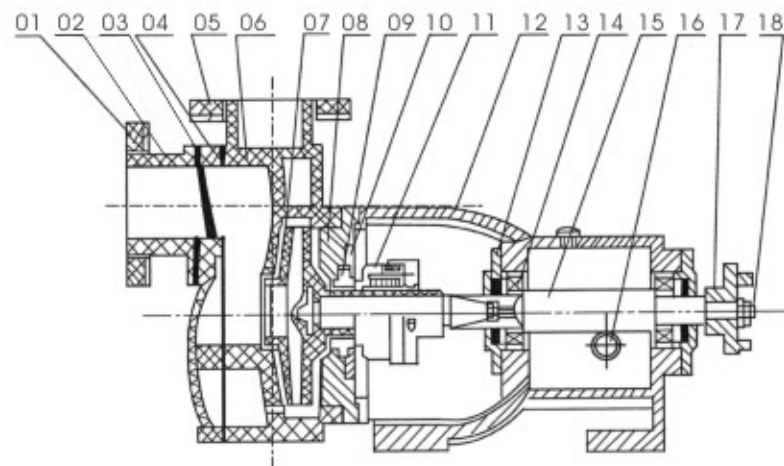
### SKETCH MAP OF STRUCTURE

FZB\PZB TYPE



- 01 Inlet flange
- 02 Front pump cover
- 03 Check valve
- 04 Seal plate
- 05 Outlet flange
- 06 Casing
- 07 Impeller
- 08 Back cover
- 09 Gland hush
- 10 Connect frame
- 11 Mechanical seal
- 12 Motor
- 13 Nut

FZB-L\PZB-L TYPE



- 01 Inlet flange
- 02 Front pump cover
- 03 Check valve
- 04 Seal plate
- 05 Outlet flange
- 06 Casing
- 07 Impeller
- 08 Pump cover
- 09 Stator ring
- 10 Gland hush
- 11 Rotor ring
- 12 Hanger bracket
- 13 Bearing gland
- 14 Bearing
- 15 Shaft
- 16 Oil mirror
- 17 Coupling
- 18 Nut

### PERFORMANCE PARAMETER

Model	Capacity (m <sup>3</sup> /h)	Head (m)	NPSHr (m)	Self-suction height (m)	Self-suction time (s)	Rotate speed (r/min)	Motor power (kW)	Efficiency (%)
25FZB-20L	1.5	19	3	1	180	2900	2.2	10
	3.6	18						20
	6	16						30
40FZB-20	5	22	3	1	180	2900	3	35
	8	20						42
	12	17						40
40FZB-30L	5	32	3.5	3	150	2900	4	24
	8	30						48
	12	28						45
50FZB-20	8	22	3	1	180	2900	3	35
	12	20						42
	15	17						40
50FZB-30L	8	32	3.5	3	150	2900	4	24
	12	30						48
	15	28						45
50FZB-45L	8	47	3.5	3	150	2900	7.5	24
	12	45						35
	15	43						32
50FZB-70L	8	72	4	3	150	2900	15	20
	12	70						26
	25	65						39
65FZB-20L	11	21	3.5	3	180	2900	4	35
	25	18						40
	30	15						38
60FZB-30L	11	32	4	3	200	2900	7.5	40
	25	30						55
	35	27						48
65FZB-45L	15	47	4	3	180	2900	11	30
	25	45						42
	35	38						44
65FZB-70L	15	72	4	3	180	2900	30	30
	25	70						41
	35	65						42
80FZB-20L	35	21	4.5	3	170	2900	5.5	31
	40	18						43
	50	16						45
80FZB-30L	35	32	4.5	3	150	2900	11	54
	50	30						58
	60	25						48
80FZB-45L	35	47	4.5	3	180	2900	15	45
	50	45						53
	60	42						46
80FZB-70L	35	72	5	3	200	2900	30	45
	50	70						50
	60	65						43
100FZB-30L	65	32	6	3	150	2900	18.5	54
	100	30						60
	110	26						54
100FZB-45L	65	46	6	3	150	2900	30	48
	100	45						55
	110	40						48

## Y SERIES SUBMERGED PUMP

### GENERAL

Y submerged pump is submerge in the liquid when it is running, the fluid level is higher than the pump body, the pump can start without liquid. The leaking liquid will return to tank via leak hole on central tube to avoid the leakage. The user could choose different wearing part material according different liquid, there are cast iron, stainless steel, fibre glass, RPP, fluoroplastic, etc.

### APPLIED RANGE

1、YH (cast iron) series is applicable for transfer concentrated sulfuric acid, nitric acid fuming, concentrated hydrofluoric acid, 70~90% sulfuric acid + nitric acid, alkalibenzene, firedamp, ethane, anilin and so on;

2、YB pump can be used to transfer the corrosive liquid, for example, nitric acid, tartaric acid, butylenes, palmitic acid, mix acid, etc;

3、YL series (aluminum material) is applicable to transfer strong oxygenize liquid, such as nitric acid, hydrocyanic acid, sulfurous acid, carbonic acid, 80-100% phosphoric acid, boracic acid, potassium chlorate.

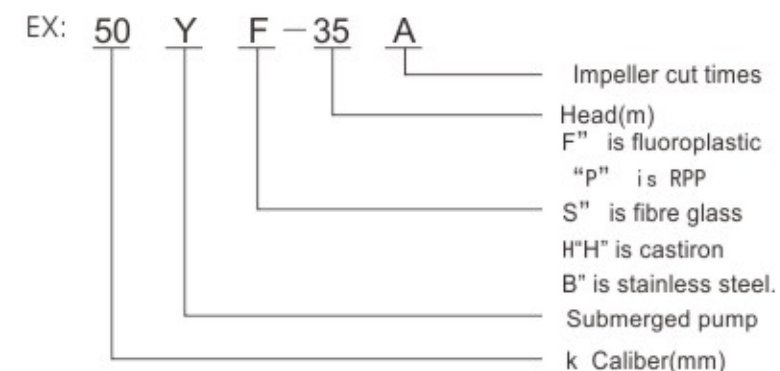
4、YR hot oil cycle pump is special for transfer the heat-transfer oil, or organic acid, organic compounds, and other inorganic compound, etc;

5、YS fibre glass pump is applicable for transfer the corrosive liquid, for example, various non-oxidizing acid (hydrochloric acid, dilute sulfuric acid, acetic acid, butanoic acid);

6、YF fluoroplastic pump and YP RPP pump can be used to transfer the strong corrosive liquid, such as strong acid, strong alkali.



### MEANING OF THE MODEL

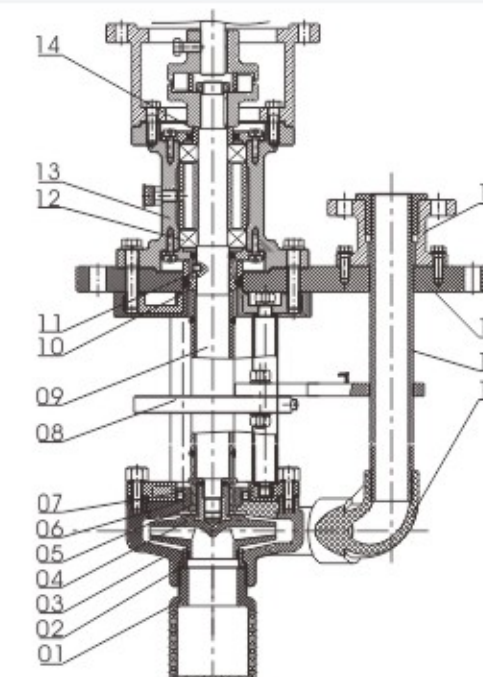


### OPERATION PARAMETER

Caliber: DN25~DN100mm  
 Capacity: 1.5~126m<sup>3</sup>/h  
 Head: 4~50m  
 Rotate speed: 2900r/min; 1450r/min  
 Work temperature: ≤100℃  
 Viscosity: ≤150mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa (Metal pump); ≤1.0Mpa (Non-metal pump)  
 Range and material: YP (Polypropylene); YF (Fluoroplastic);  
 YS (Fiber glass); YH (Cast iron); YB (Stainless steel)  
 Submerged Deepness: ≤2.0m (Non-metal pump); ≤5.0m (Metal pump)  
 Motor power: 0.75~22kW

### SKETCH MAP OF STRUCTURE

- 01 Filter cap
- 02 Inlet mouth ring bearing
- 03 Casing
- 04 Impeller
- 05 Rotor ring bearing
- 06 Stator ring bearing
- 07 Pump cover
- 08 Lining F<sub>43</sub> frame assembly
- 09 Lining plastic shaft assembly
- 10 Rotor ring bearing
- 11 Mounting sleeve
- 12 Deep groove ball bearing
- 13 Bearing body
- 14 Pressing shaft sleeve
- 15 Outlet flange seat
- 16 Plastic plate
- 17 Discharge pipe
- 18 Angle fitting



### PERFORMANCE PARAMETER

#### 1. YP\YF TYPE

Model	Caliber (mm)		Capacity (m <sup>3</sup> /h)	Head (m)	Rotate speed (r/min)	Motor power (kW)	Efficiency (%)
	Inlet	Outlet					
25Y-15	25	20	2	12	2900	0.75	35
			1.5	15			36
32Y-15	32	25	7.5	11.2	2900	1.5	48
			6.5	15			52
			5	20			57
40Y-20	40	32	3.2	4	1450	0.75	39
			12.5	18			47
			10	20			51
50Y-25	50	40	7.5	22	2900	3	55
			5	5.5			39
			16.2	26.5			54
65Y-25	65	50	23	25	2900	4	59
			27	23.3			60
			12	6			42
80Y-25	80	65	35	20	1450	1.5	55
			30	25			60
			20	28			65
100Y-30	100	80	15	6.2	2900	7.5/11	45
			32	26.5			58
			50	20.5			65
			60.8	20.5	1450	3	61
			25	6			48
			70	35			63
			100	30	2900	18.5/22	68
			126	25			63
			50	5.6			51

#### 2. YS TYPE

Model	Outlet caliber (mm)	Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	Efficiency (%)
		(m <sup>3</sup> /h)	(L/S)				
25Y-22	25	2.88	0.80	22	2900	2.2	13
		4.05	1.12	18			17
		6.48	1.80	15			25
25Y-30	25	2.88	0.80	30	2900	3	13
		6.48	1.80	20			17
		9.00	2.52	15			25
40Y-18	40	6.48	1.80	18	2900	2.2	32
		15.00	4.17	15			51
		21.60	6.00	12			40
40Y-22	40	8.10	2.24	22	2900	3	44
		15.84	4.4	18			53
		20.00	5.50	15			44
40Y-25	40	5.76	1.60	25	2900	4	14
		8.10	2.24	20			21
		13.32	3.70	15			30
40Y-35	40	10	2.8	34	2900	4	50.6
		20	5.5	30			64
		30	8.3	24			63.5
40Y-50	40	6.48	1.80	50	2900	7.5	14
		8.64	2.40	45			19
		14.40	4.00	35			30
50Y-20	50	18	5.0	20	2900	4	60
		30	8.3	16			55
		35	9.7	12			44
50Y-35A	50	25	7.0	26	2900	5.5	63
		35	9.7	25			70
		45	12.5	22			69
50Y-35	50	30	8.3	35	2900	7.5	58
		45	12.5	32			70
		55	15.1	28			66
80Y-35A	80	45	12.5	26	2900	11	62
		69	19.2	22			67
		90	25.0	19			63
80Y-35	80	56	15.5	35	2900	15	63
		92	25.5	29			72
		110	30.5	25			69

#### 3. YH\YB TYPE

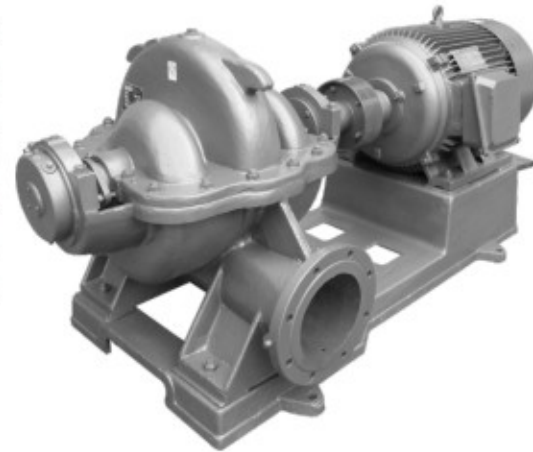
Model	Caliber (mm)		Capacity		Head (m)	Rotate speed (r/min)	Motor power (kW)	
	Inlet	Outlet	(m <sup>3</sup> /h)	(L/S)				
25Y-16	32	25	3.6	1	16	2900	1.5	
25Y-16A			3.27	0.91	13		1.5	
25Y-25			3.6	1	25		2.2	
25Y-25A			3.27	0.91	20		2.2	
25Y-41			3.6	1	41		5.5	
25Y-41A			3.27	0.91	33		4	
40Y-16	40	32	7.2	2	16		2900	2.2
40Y-16A			6.55	1.82	13			1.5
40Y-26			7.2	2	26			3
40Y-26A			6.55	1.82	21			3
40Y-40			7.2	2	40			5.5
40Y-40A			6.55	1.82	32			5.5
50Y-16	50	40	14.4	4	16	2900		3
50Y-16A			13.1	3.64	13			3
50Y-25			14.4	4	25			4
50Y-25A			13.1	3.64	20			3
50Y-40			14.4	4	40			7.5
50Y-40A			13.1	3.61	33			5.5
65Y-16	65	50	28.8	8	16		2900	4
65Y-16A			26.2	7.28	13			3
65Y-25			28.8	8	25			5.5
65Y-25A			26.2	7.28	21			5.5
65Y-40			28.8	8	40			11
65Y-40A			26.2	7.28	33			11
80Y-15	80	65	54	15	15	2900		7.5
80Y-15A			49.1	13.65	12			7.5
80Y-24			54	15	24			11
80Y-24A			49.1	13.65	20			11
80Y-38			54	15	38			18.5
80Y-38A			49.1	13.65	31			15
100Y-23	100	80	100.8	28	23		2900	18.5
100Y-23A			91.8	25.5	18			15
100Y-37			100.8	28	37			22
100Y-37A			91.8	25.5	31			22

Note: The depth for above submerged pump can be customized.

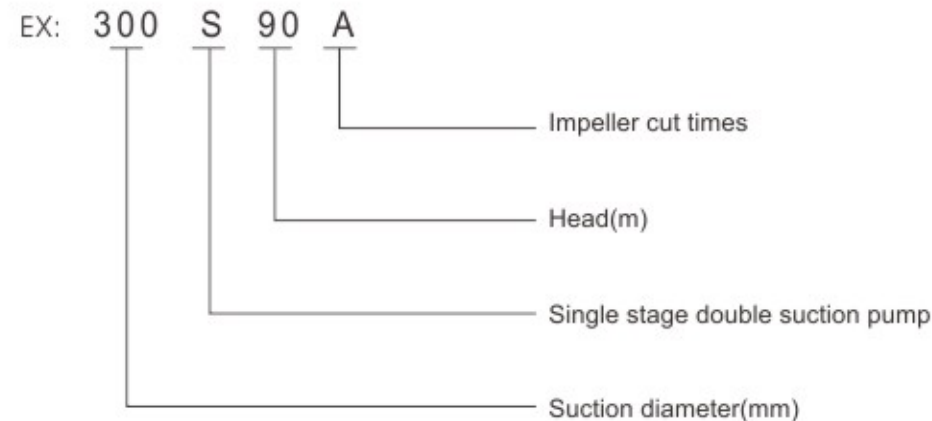
## S SINGLE-STAGE DOUBLE SUCTION CENTRIFUGAL PUMP

### GENERAL

S single-stage double entry centrifugal pumps are late-model energy-saving horizontally split pumps used to handle clean water or other liquids similar to water in physical and chemical properties. In case of needed, they may be used to handle muddy sand or various corrosive liquids by changing their structure and materials. This series of pumps are applicable for factories, mines, city water supply and drainage, power stations, agricultural irrigation and water conservancy.



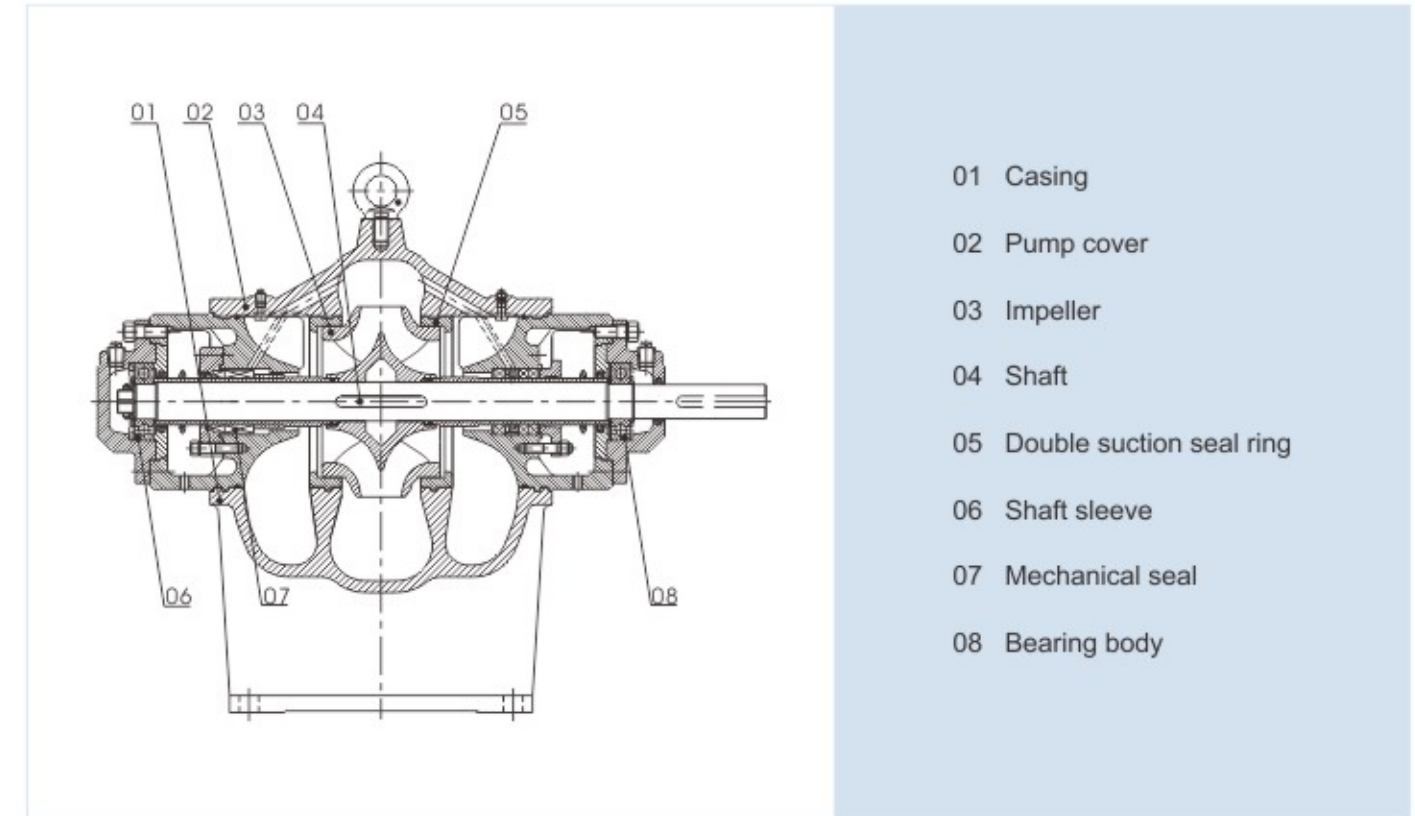
### MEANING OF THE MODEL



### OPERATION PARAMETER

Caliber: DN150~DN600mm  
 Capacity: 130~3400m<sup>3</sup>/h  
 Head: 10~125m  
 Rotate speed: 2900r/min; 1450r/min; 970r/min;  
 730r/min  
 Work temperature: ≤100℃  
 Viscosity: ≤100mm<sup>2</sup>/s  
 Pressure: ≤1.6Mpa  
 Motor power: 22~900kW

### SKETCH MAP OF STRUCTURE



### CHARACTER

1. The inlet and outlet are all under the pump axial lead, so there is no need to disassembly the pipe and motor;
2. The main component: pump body, pump cover, impeller, shaft, double suction seal ring shaft sleeve;
3. Elastic coupling drive via motor. If necessary it is also could drive by combustion motor;
4. The shaft seal is soft stuffing-box seals (It is can use mechanical seal too);
5. The pump turning direction is clockwise.

**PERFORMANCE PARAMETER**

Model	Capacity		Head (m)	Rotate speed (r/min)	Power(kW)		Efficiency (%)	NPSHr (m)	Imoeller diameter (mm)	Weight (kg)
	(m³/h)	(L/S)			Shaft power	Motor power				
150S78	126	35	84	2900	40	55	72	5	248	150
	162	45	78		46.5		74			
	198	55	70		52.4		72			
150S78A	112	31	67	2900	30	45	68	5	220	150
	144	40	62		33.8		72			
	180	50	55		38.5		70			
150S50	130	36.2	52	2900	25.3	37	73.9	5	200	145
	170	47.2	47.6		27.6		79.8			
	220	61.2	35		31.3		67			
150S50A	120	31	43.8	2900	18.5	30	72	5	186	145
	144	40	40		20.9		75			
	180	50	35		24.5		70			
200S95	180	50	100	2900	81.8	110	60	5	284	245
	234	65	93.5		86.3		69			
	288	80	82.5		91.1		71			
200S95A	160	44.5	85	2900	60.8	90	61	4.5	262	445
	215	59.7	75		64.2		69			
	265	73.6	70		71.4		71			
200S63	213	60	69	2900	55	75	74	5.5	236	265
	288	80	62.5		61.6		79.5			
	351	97.5	50		67.8		70.5			
200S63A	180	50	54.5	2900	41	55	65	5.5	220	265
	270	70	46		48.3		70			
	324	90	37.5		51		65			
200S42	216	60	48	2900	34.9	45	81	5.5	204	219
	288	80	41.5		38.1		85			
	342	95	35		40.2		81			
200S42A	198	55	43	2900	30.5	37	76	5.5	193	219
	270	75	36		33.1		80			
	310	86	31		34.4		76			
250S65	360	100	71	1450	88.1	132	79	3	460	565
	485	135	65.1		112		77			
	612	170	56		129.6		72			
250S65A	342	95	61	1450	72	110	79	3	430	565
	468	130	54		86		80			
	540	150	50		98		75			
250S39	360	100	42.5	1450	55.5	75	75	3.2	367	428
	486	135	38.5		61.5		83			
	612	170	32.5		67.7		80			
250S39A	324	90	35.5	1450	40.2	55	78	3.2	338	428
	468	130	30.5		45.7		85			
	576	160	25		47.8		82			
250S24	360	100	27	1450	33.1	45	80	3.5	296	420
	486	135	23.5		36.2		86			
	576	160	19		36.4		82			

(continuation)

Model	Capacity		Head (m)	Rotate speed (r/min)	Power(kW)		Efficiency (%)	NPSHr (m)	Imoeller diameter (mm)	Weight (kg)
	(m³/h)	(L/S)			Shaft power	Motor power				
250S24A	342	95	22.2	1450	25.8	37	80	3.5	270	420
	414	115	20.3		27.6		83			
	482	134	17.4		28.6		80			
250S14	360	100	17.5	1450	21.4	30	80	3.8	240	405
	486	135	14		21.8		85			
	576	160	11		22.1		78			
250S14A	320	89	13.3	1450	15.4	22	78	3.8	224	405
	432	120	11		15.8		82			
	504	140	8.6		15.8		75			
300S90	590	164	98	1450	213	315	74	4	540	847
	792	220	90		250		77.5			
	936	260	82		279		75			
300S90A	576	160	86	1450	190	280	71	4	510	845
	755	210	78		217		74			
	918	255	70		246		71			
300S90B	540	150	72	1450	151	250	70	4	475	845
	720	200	67		180		73			
	900	250	57		200		70			
300S58	576	160	65	1450	127.5	185	80	4.5	435	572
	792	220	58		150		83.5			
	972	270	50		167.5		79			
300S58A	530	147	55	1450	99.2	160	80	4.5	402	572
	720	200	49		116		83			
	893	248	42		131		78			
300S58B	504	140	47.2	1450	82.5	132	79	4.5	378	572
	684	190	43		97.7		82			
	835	232	37		108		78			
300S32	612	170	38	1450	76.2	90	83	4.5	352	809
	792	220	32.2		80.3		86.5			
	900	250	25.5		78.1		80.1			
300S32A	550	153	31	1450	58.1	75	80	4.5	322	809
	720	200	26		60.7		84			
	810	225	20.5		58		78			
300S19	612	170	23	1450	47.9	55	80	4.5	290	660
	792	220	19.4		51		82			
	935	260	14		47.6		75			
300S19A	504	140	20	1450	34.8	45	79	4.5	262	660
	720	200	16		38.3		82			
	900	250	11.5		37.6		75			
300S12	611	170	14.5	1450	30.3	37	80	4.5	248	660
	792	220	12		32		81			
	900	250	10		33.1		74			
300S12A	522	145	11.8	1450	22.4	30	75	4.5	225	660
	685	190	10		23.3		80			
	792	220	8.7		24.4		77			

(continuation)

Model	Capacity		Head (m)	Rotate speed (r/min)	Power(kW)		Efficiency (%)	NPSHr (m)	Imoeller diameter (mm)	Weight (kg)
	(m <sup>3</sup> /h)	(L/S)			Shaft power	Motor power				
350S125	850	141.7	140	1450	462	710	70	5.4	655	1580
	1260	350	125		534		80.5			
	1660	461	100		627.9		75			
350S125A	803	223	125	1450	391	630	70	5.4	620	1580
	1181	328	112		462		78			
	1570	436	90		550		70			
350S125B	745	207	108	1450	313	500	70	5.4	575	1580
	1089	305	96		373		77			
	1458	405	77		424.5		72			
350S75	972	270	80	1450	271	355	78	5.8	500	1200
	1260	350	75		303		85.2			
	1440	400	65		319		80			
350S75A	900	250	70	1450	220	280	78	5.8	465	1200
	1170	325	65		247		81			
	1332	370	56		257		79			
350S75B	828	230	59	1450	177	220	75	5.8	428	1200
	1080	300	55		197		82			
	1224	340	47		203.5		77			
350S44	972	270	50	1450	164	220	81	6.3	410	1105
	1260	350	43.8		179		84			
	1480	410	37		188		79			
350S44A	864	240	41	1450	121	185	80	6.3	380	1105
	1120	310	36		130		84			
	1330	370	30		136		80			
350S26	712	270	30	1450	99.3	132	85	6.7	350	880
	1260	350	26		102		88			
	1440	400	22		105		82			
350S26A	864	240	26	1450	76.5	110	80	6.7	326	880
	1116	310	21		77		83			
	1296	360	16		80		73			
350S16	712	370	20	1450	64	75	83	7.1	290	760
	1260	350	16		64.5		85.3			
	1440	400	13		68.9		74			
350S16A	864	240	16	1450	51	55	74	7.1	270	760
	1044	290	13		48.8		78			
	1260	350	10		49		70			
500S98	1620	450	114	970	644.8	800	78	4	860	4330
	2020	561	98		678		79.5			
	2340	650	79		680.3		74			
500S98A	1500	416.7	96	970	509.3	630	77	4	800	4330
	1872	520	83		540		78.5			
	2170	602.8	67		542.4		73			
500S98B	1400	388.9	86	970	431.4	560	76	4	480	4330
	1746	485	74		452		78			
	2020	561	59		432.8		75			

(continuation)

Model	Capacity		Head (m)	Rotate speed (r/min)	Power(kW)		Efficiency (%)	NPSHr (m)	Imoeller diameter (mm)	Weight (kg)
	(m <sup>3</sup> /h)	(L/S)			Shaft power	Motor power				
500S59	1620	450	67	970	374.2	450	79	4.5	682	2750
	2020	561	59		391		83			
	2340	650	47		374.4		80			
500S59A	1500	146.7	57	970	315	400	74	4.5	640	2750
	1872	520	49		333		75			
	2170	602.8	39		320		72			
500S59B	1400	388.9	46	970	240.2	315	73	4.5	600	2750
	1746	485	40		257		74			
	2020	561	32		247.9		71			
500S35	1620	450	40	970	207.6	280	85	4.8	550	2340
	2020	561	35		219		88			
	2340	650	28		209.9		85			
500S35A	1400	388.9	31	970	144	220	82	4.8	510	2340
	1746	485	27		151		85			
	2020	561	21		136.9		84			
500S22	1620	450	24	970	137.5	185	77	5.2	465	2010
	2020	561	22		144.1		84			
	2340	650	19		142.4		85			
500S22A	1400	388.9	20	970	103	132	74	5.5	427	2010
	1746	485	17		101		80			
	2020	561	14		93.9		82			
500S13	1620	450	15	970	83.8	110	79	5.7	390	2000
	2020	561	13		86.2		83			
	2340	650	10		79.6		80			
600S75	3420	950	71	960	727	900	91	6	765	4300
600S75A	3168	880	61	960	585	710	90	6	710	4300
600S75(J)	2700	2700	39	730	319	355	90	6	765	4300
600S47	2502	695	56	970	460	560	83	6.5	630	3200
	3168	880	47.4		465		88			
	3499	972	38		426		80			
600S32	2480	700	37	970	295	355	86	7	540	2550
	3170	800	32		310		89			
	3960	1100	22		279		85			
600S32A	2304	640	31.5	970	235	280	84	7	500	2550
	2880	800	27		238		89			
	3600	1000	20		231		85			
600S22	2340	650	23.5	970	187	250	80	7	450	2500
	2880	800	21		195		84.5			
	3420	950	18		207		81			
600S22A	2340	650	17.5	970	145	185	77	7	415	2500
	2880	800	15.5		148		82			
	3420	950	13		154		78.5			

## QBY\DBY MEMBRANE PUMP

### GENERAL

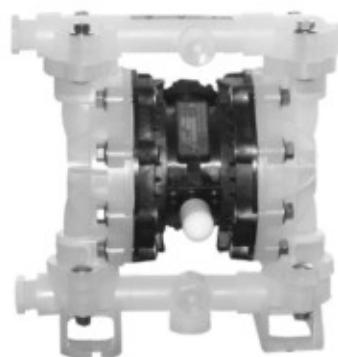
Membrane pump is a new pump, our company have two type membrane pump QBY air-actuated membrane pump & DBY electric-actuated diaphragm pump. The DBY type's outlet pressure should be lower than 3kgf/cm<sup>2</sup>, QBY type's outlet pressure  $\geq$  6kgf/cm<sup>2</sup>, our membrane is applicable for petrified, ceram metallurgy, electon, QBY, DBY textile industry, etc.



DBY TYPE

### CHARACTER

1. The membrane pump no need to diversion, self-suction height is 7m;
2. It is can be used to transfer the high viscosity liquid ( $\geq$  10000 pas), particle diameter  $\leq$  10mm;
3. It is will never leak, because the liquid is devided with drive mechanical part by the membrane. The pump could work long time because of the pump is no shaft seal;
4. The air-actuated membrane pump is no need to used electricity, so it is can be used in some dangerous occasion, like combustible, explosive work condition, could immerge in liquid, try running is also



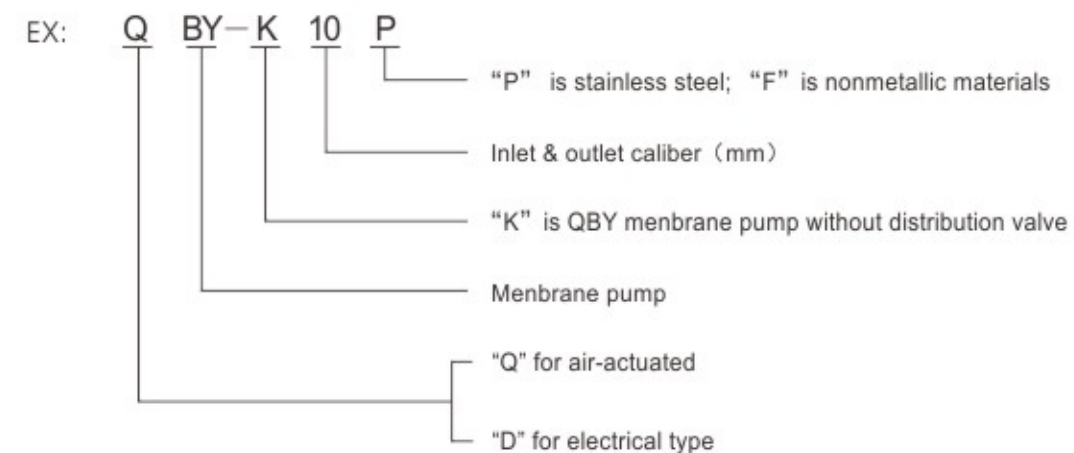
QBY TYPE



### APPLIED RANGE

1. The pump can suck the peanut, pickles, tomato slurry, red sausage, chocolate, hops and syrup etc;
2. The pump can suck the paint, pigment, glue and adhesive etc;
3. The pump can suck various glazed slurries of tile, porcelain, brick and chinaware etc;
4. The pump can suck various grinding materials, corrosive agent and clean the oil dirt etc;
5. The pump can suck various toxin and flammable or volatility liquid etc;
6. The pump can suck various wedge water, cement slurry and mortar etc;
7. The pump can suck various strong acid, alkali and corrosive liquid etc;
8. It can be used as a front-step transmission device of the solid and liquid separation equipment.

### MEANING OF THE MODEL



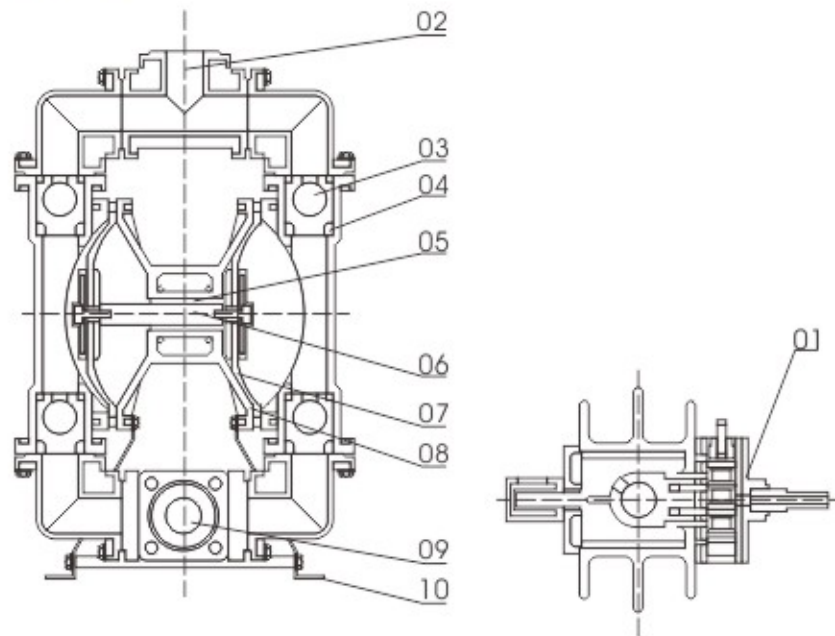
### OPERATION PARAMETER

Caliber: DN10~DN100mm  
 Capacity: 0.8~30m<sup>3</sup>/h  
 Pressure : 0.3~0.6Mpa  
 Rotate speed: 1450r/min(DBY)  
 Work temperature:  $\leq$  150°C  
 Viscosity:  $\leq$  10000mm<sup>2</sup>/s  
 Discharge ability:  $\leq$  10mm  
 Self-suction height:  $\leq$  7m



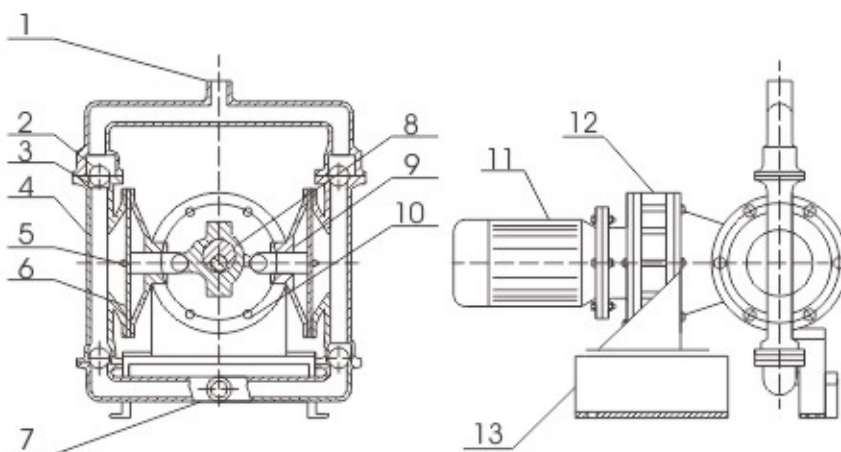
### SKETCH MAP OF STRUCTURE

QBY TYPE



- 01 Distributing valve
- 02 Outlet pipe
- 03 Ball
- 04 Sealing plate
- 05 Seal ring
- 06 Shaft
- 07 Membrane
- 08 Pump base plate
- 09 Inlet pipe
- 10 Base plate

DBY TYPE



- 01 Outlet pipe
- 02 Ball
- 03 Ball seat
- 04 Casing
- 05 Clamping bar
- 06 Membrane
- 07 Inlet pipe
- 08 Eccentric Wheel
- 09 Piston Shaft
- 10 Intermediate
- 11 Motor
- 12 Speed Reducer
- 13 Base plate

### PERFORMANCE PARAMETER

QBY AIR-ACTUATED MEMBRANE PUMP

Model	Capacity (m <sup>3</sup> /h)	Head (m)	Outlet pressure (Mpa)	Self-suction height (m)	The max particle diameter (mm)	Max air feed pressure (Mpa)	Max air amount used (m <sup>3</sup> /min)
QBY-10	0~0.8	0~50	0.6	5	1	0.7	0.3
QBY-15	0~1	0~50	0.6	5	1	0.7	0.3
QBY-25	0~2.4	0~50	0.6	7	2.5	0.7	0.6
QBY-40	0~8	0~50	0.6	7	4.5	0.7	0.6
QBY-50	0~12	0~50	0.6	7	8	0.7	0.9
QBY-65	0~16	0~50	0.6	7	8	0.7	0.9
QBY-80	0~24	0~50	0.6	7	10	0.7	1.5
QBY-100	0~30	0~50	0.6	7	10	0.7	1.5

Note: 1. The max air amount used is air compressor capability;  
2. There are aluminum alloy, cast iron, stainless steel, RPP, link with rubber, fluorine alloy for you choose for the pump body.

DBY ELECTRICAL MEMBRANE PUMP

Model	Capacity (m <sup>3</sup> /h)	Self-suction height (m)	Head (m)	Outlet pressure (Mpa)	Motor power (r/min)/(kW)	Work temperature		Inlet diameter (mm)	The max particle diameter (mm)	Weight (kg)
						Cast iron	Stainless steel			
DBY-10	0.5	3	30	0.3	1450/0.55	90	150	10	1	50
DBY-15	0.75	3	30	0.3	1450/0.55	90	150	15	1	50
DBY-25	3.5	4	30	0.3	1450/1.5	90	150	25	2.5	170
DBY-40	4.5	4	30	0.3	1450/1.5	90	150	40	4.5	180
DBY-50	6.5	4.5	30	0.3	1450/3	90	150	50	8	400
DBY-65	8	4.5	30	0.3	1450/3	90	150	65	8	400
DBY-80	16	5	30	0.3	1450/5.5	90	150	80	10	610
DBY-100	20	5	30	0.3	1450/5.5	90	150	100	10	610

Note: There are cast iron, stainless steel, link with rubber for you choose for wearing part, and the motor we also have two type explosion protection type and normal type.

### MENBRANE MATERIAL CHARACTERS

Liquid \ Membrane type	Acrylonitrile butadiene rubber	Neoprene	Fluorine rubber	Polytetra fluoroethylene	Fluorinated ethylene propylene
Nitric acid fuming	×	×	△	△	△
Concentrated nitric acid	×	×	△	△	△
Concentrated sulfuric acid	×	×	○	△	△
Concentrated hydrochloric acid	×	△	△	△	△
Concentrated phosphoric acid	×	△	△	△	△
Concentrated acetic acid	×	×	×	△	△
Concentrated sodium hydroxide	○	○	△	△	△
Hydrogen nitride without water	△	△	△	△	△
Rarefied nitric acid	×	×	○	△	△
Rarefied sulfuric acid	△	△	△	△	△
Rarefied hydrochloric acid	×	○	△	△	△
Rarefied phosphoric acid	×	×	△	△	△
Rarefied sodium hydroxide	○	○	△	△	△
Ammonia	△	△	×		
Benzene	×	×	○		
Gas	○	○	○	○	○
Petroleum	△	×	○	○	○
Carbon tetrachloride	○		○	○	○
Carbon disulfide disulphide	○		×	○	○
Ethanol	○	○	○	○	○
Acetone	×	△	×	○	○
Cresol	×	△	×	○	○
Aldehyde	×	×	△	○	○
Ethylbenzene	×	×	△	○	○
Acrylonitrile	△	△	×	○	○
Butanol	○	○	○	○	○
Biethylene	○	×	△	○	○
Styrene	×	×	△	○	○
Ethyl acetate	×	×	×	○	○
Aether	×	×	×	○	○

Note: "○" for operating life is long, "△" for normal operating life, "X" for can not use.

## J SERIES METERING PUMP

### GENERAL

J series metering is a reciprocating pump; it can be adjusted under dynamic state and static state. The pump is applicable to transfer the liquid without could used in petroleum, nuchanical industry, pharmaceutical industry, atomic energy, textiles and other light industry, environmental protection, food industry, paper making industry waste water treatment, etc.

### CHARACTER

1. It is not suitable for transport liquid and dangerous chemical goods;
2. Shaft seal is sealed of pacing .because of leakage, stuffing should be adjusted periodically;
3. Simply structure, conveniently maintenance, better capability;
4. All plunger type metering pump can control rate of flow by adjusting length or frequency of stroke.

### APPLIED RANGE

The plug-type metering pump can be used in petroleum industry, chemical industry, pharmaceuticals industry, electric power, atomic energy, textiles and other light industrial, food industry, paper making, waste water treatment, and so on.



HYDRAULICALLY ACTUATED METERING PUMP

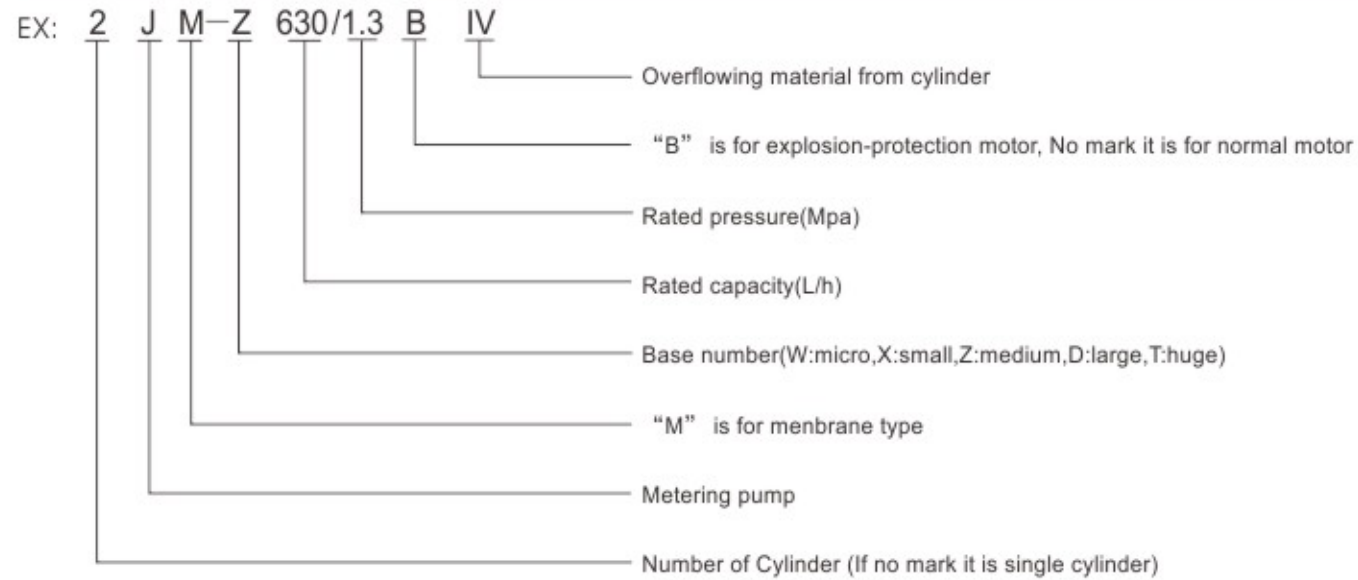


MECHANICAL DIAPHRAGM METERING PUMP



PLUGER METERING PUMP

### MEANING OF THE MODEL



### OPERATION PARAMETER

Caliber: DN3~DN100mm  
 Capacity: 0.16~48000L/h  
 Pressure: ≤50Mpa(Pluger type)  
     ≤1.2Mpa(Mechanical membrane type)  
     ≤30Mpa(Hydraulic-membrane type)  
 Rotate speed: 1450r/min  
 Work temperature: ≤+120℃(Pluger type)  
     ≤+40℃(Mechanical membrane type)  
     ≤+100℃(Hydraulic-membrane type)  
 Viscosity: ≤1000mm<sup>2</sup>/s  
 Measuring accuracy: ±1%  
 Adjust type: Manually operation Motor-operated  
     Air-operated(Can be choosed)  
 Motor power: 0.55~11kW

### WEARING PART MATERIAL

Material Code	III	IV	V	VI	VII	VIII	IX	X
Material Grade	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	PVC	Polytetra fluoroethylene	Ceramic	Glass, Red ruby	Nicket chrome iron aluminum alloy

## PLUG-TYPE METERING PUMP

### PERFORMANCE PARAMETER

#### J-W TYPE

Model	Rated Capacity(L/h)			Rated discharge pressure (Mpa)	Plug diameter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power(kW)			Inlet&outlet diameter (mm)	Weight (kg)		
	Single cylinder	Double cylinder	Ternate cylinder					Single cylinder	Double cylinder	Ternate cylinder		Single cylinder	Double cylinder	Ternate cylinder
□ J-W □ /50	0.16	0.32	0.48	50	2	15	72	0.18	0.37	0.37	φ6	22	28	40
□ J-W □ /10	0.16	0.32	0.48	10				0.12	0.18	0.25				
□ J-W □ /40	0.2	0.4	0.6	40				0.18	0.37	0.37				
□ J-W □ /8	0.2	0.4	0.6	8	3			0.12	0.18	0.25				
□ J-W □ /32	0.28	0.56	0.84	32				0.18	0.37	0.37				
□ J-W □ /6.3	0.28	0.56	0.84	6.3				0.12	0.18	0.25				
□ J-W □ /25	0.35	0.7	1.05	25	4			0.18	0.37	0.37				
□ J-W □ /5	0.35	0.7	1.05	5				0.12	0.18	0.25				
□ J-W □ /20	0.48	0.96	1.44	20				0.18	0.37	0.37				
□ J-W □ /4	0.48	0.96	1.44	4	5			0.12	0.18	0.25				
□ J-W □ /16	0.63	1.26	1.89	16				0.18	0.37	0.37				
□ J-W □ /3.2	0.63	1.26	1.89	3.2				0.12	0.18	0.25				
□ J-W □ /12.5	0.8	1.6	2.4	12.5	6	0.18	0.37	0.37						
□ J-W □ /2.5	0.8	1.6	2.4	2.5		0.12	0.18	0.25						
□ J-W □ /10	1	2	3	10		0.18	0.37	0.37						
□ J-W □ /2	1	2	3	2	8	0.12	0.18	0.25						
□ J-W □ /8	1.3	2.6	3.9	8		0.18	0.37	0.37						
□ J-W □ /1.6	1.3	2.6	3.9	1.6		0.12	0.18	0.25						
□ J-W □ /6.3	1.6	3.2	4.8	6.3	10	0.18	0.37	0.37						
□ J-W □ /1.3	1.6	3.2	4.8	1.3		0.12	0.18	0.25						
□ J-W □ /5	2	4	6	5		0.18	0.37	0.37						
□ J-W □ /1	2	4	6	1	12	0.12	0.18	0.25						
□ J-W □ /4	2.5	5	7.5	4		0.18	0.37	0.37						
□ J-W □ /0.8	2.5	5	7.5	0.8		0.12	0.18	0.25						
□ J-W □ /3.2	3.2	6.4	9.6	3.2	16	0.18	0.37	0.37						
□ J-W □ /0.63	3.2	6.4	9.6	0.63		0.12	0.18	0.25						
□ J-W □ /2.5	4.5	9	13.5	2.5		0.18	0.37	0.37						
□ J-W □ /0.5	4.5	9	13.5	0.5	10	0.12	0.18	0.25						
□ J-W □ /2	5	10	15	2		0.18	0.37	0.37						
□ J-W □ /0.4	5	10	15	0.4		0.12	0.18	0.25						
□ J-W □ /1.6	8	16	24	1.6	16	0.18	0.37	0.37						
□ J-W □ /0.32	8	16	24	0.32		0.12	0.18	0.25						
□ J-W □ /1.3	10	20	30	1.3		0.18	0.37	0.37						
□ J-W □ /0.25	10	20	30	0.25	16	0.12	0.18	0.25						
□ J-W □ /1	12	24	36	1		0.18	0.37	0.37						
□ J-W □ /0.2	12	24	36	0.2		0.12	0.18	0.25						

J-X TYPE

Model	Rated Capacity(L/h)			Rated discharge pressure (Mpa)	Plug diameter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power(kW)			Inlet&outlet diameter (mm)	Weight (kg)		
	Single cylinder	Double cylinder	Ternate cylinder					Single cylinder	Double cylinder	Ternate cylinder		Single cylinder	Double cylinder	Ternate cylinder
□J-X □ /50	0.8	1.6	2.4	50	4	20	72	0.55	0.75	0.75	φ 6	34	63	48
□J-X □ /32	0.8	1.6	2.4	32				0.37	0.55	0.55				
□J-X □ /50	1	2	3	50				0.55	0.75	0.75				
□J-X □ /25	1	2	3	25				0.37	0.55	0.55				
□J-X □ /50	1.3	2.6	3.9	50				0.55	0.75	0.75				
□J-X □ /20	1.3	2.6	3.9	20				0.37	0.55	0.55				
□J-X □ /50	1.6	3.2	4.8	50				0.55	0.75	0.75				
□J-X □ /16	1.6	3.2	4.8	16				0.37	0.55	0.55				
□J-X □ /50	2	4	6	50				0.55	0.75	0.75				
□J-X □ /12.5	2	4	6	12.5				0.37	0.55	0.55				
□J-X □ /40	2.5	5	7.5	40				0.55	0.75	0.75				
□J-X □ /10	2.5	5	7.5	10				0.37	0.55	0.55				
□J-X □ /32	3.8	7.6	11.4	32	0.55	0.75	0.75							
□J-X □ /8	3.8	7.6	11.4	8	0.37	0.55	0.55							
□J-X □ /25	5	10	15	25	0.55	0.75	0.75							
□J-X □ /6.3	5	10	15	6.3	0.37	0.55	0.55							
□J-X □ /20	6.3	12.6	18.9	20	0.55	0.75	0.75							
□J-X □ /5	6.3	12.6	18.9	5	0.37	0.55	0.55							
□J-X □ /16	8	16	24	16	0.55	0.75	0.75							
□J-X □ /4	8	16	24	4	0.37	0.55	0.55							
□J-X □ /12.5	10	20	30	12.5	0.55	0.75	0.75							
□J-X □ /3.2	10	20	30	3.2	0.37	0.55	0.55							
□J-X □ /10	13	26	39	10	0.55	0.75	0.75							
□J-X □ /2.5	13	26	39	2.5	0.37	0.55	0.55							
□J-X □ /8	16	32	48	8	0.55	0.75	0.75							
□J-X □ /2	16	32	48	2	0.37	0.55	0.55							
□J-X □ /6.3	20	40	60	6.3	0.55	0.75	0.75							
□J-X □ /1.6	20	40	60	1.6	0.37	0.55	0.55							
□J-X □ /5	25	50	75	5	0.55	0.75	0.75							
□J-X □ /1.3	25	50	75	1.3	0.37	0.55	0.55							
□J-X □ /4	32	64	96	4	0.55	0.75	0.75							
□J-X □ /1	32	64	96	1	0.37	0.55	0.55							
□J-X □ /3.2	40	80	120	3.2	0.55	0.75	0.75							
□J-X □ /0.8	40	80	120	0.8	0.37	0.55	0.55							
□J-X □ /2.5	50	100	150	2.5	0.55	0.75	0.75							
□J-X □ /0.63	50	100	150	0.63	0.37	0.55	0.55							
□J-X □ /2	63	126	189	2	0.55	0.75	0.75							
□J-X □ /0.5	63	126	189	0.5	0.37	0.55	0.55							
□J-X □ /1.6	80	160	240	1.6	0.55	0.75	0.75							
□J-X □ /0.4	80	160	240	0.4	0.37	0.55	0.55							
□J-X □ /2	110	220	330	2	0.55	0.75	0.75							
□J-X □ /1.6	125	250	375	1.6	0.55	0.75	0.75							
□J-X □ /1.3	160	320	480	1.3	0.55	0.75	0.75							
□J-X □ /1	200	400	600	1	0.55	0.75	0.75							

J-Z TYPE

Model	Rated Capacity(L/h)			Rated discharge pressure (Mpa)	Plug diameter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power(kW)			Inlet&outlet diameter (mm)	Weight (kg)		
	Single cylinder	Double cylinder	Ternate cylinder					Single cylinder	Double cylinder	Ternate cylinder		Single cylinder	Double cylinder	Ternate cylinder
□J-Z □ /50	10	20	30	50	8	32	120	1.5	2.2	3	φ 8	135	310	450
□J-Z □ /32	10	20	30	32				0.75	1.1	2.2				
□J-Z □ /50	16	32	48	50				1.5	2.2	3				
□J-Z □ /32	16	32	48	32				0.75	1.1	2.2				
□J-Z □ /16	24	48	72	16				1.5	2.2	3				
□J-Z □ /10	32	64	96	10				0.75	1.1	2.2				
□J-Z □ /25	32	64	96	25	10	32	120	1.5	2.2	3	15	310	450	
□J-Z □ /10	32	64	96	10				0.75	1.1	2.2				
□J-Z □ /20	40	80	120	20				1.5	2.2	3				
□J-Z □ /10	40	80	120	10				0.75	1.1	2.2				
□J-Z □ /16	52	104	156	16				1.5	2.2	3				
□J-Z □ /8	52	104	156	8				0.75	1.1	2.2				
□J-Z □ /13	63	126	189	13	15	32	120	1.5	2.2	3	20	310	450	
□J-Z □ /6.3	63	126	189	6.3				0.75	1.1	2.2				
□J-Z □ /10	80	160	240	10				1.5	2.2	3				
□J-Z □ /5	80	160	240	5				0.75	1.1	2.2				
□J-Z □ /8	100	200	300	8				1.5	2.2	3				
□J-Z □ /4	100	200	300	4				0.75	1.1	2.2				
□J-Z □ /6.3	125	250	375	6.3	20	32	120	1.5	2.2	3	25	310	450	
□J-Z □ /3.2	125	250	375	3.2				0.75	1.1	2.2				
□J-Z □ /5	160	320	480	5				1.5	2.2	3				
□J-Z □ /2.5	160	320	480	2.5				0.75	1.1	2.2				
□J-Z □ /4	200	400	600	4				1.5	2.2	3				
□J-Z □ /2.2	200	400	600	2.2				0.75	1.1	2.2				
□J-Z □ /3.2	250	500	750	3.2	25	32	120	1.5	2.2	3	32	310	450	
□J-Z □ /1.6	250	500	750	1.6				0.75	1.1	2.2				
□J-Z □ /2.5	320	640	960	2.5				1.5	2.2	3				
□J-Z □ /1.3	320	640	960	1.3				0.75	1.1	2.2				
□J-Z □ /2	400	800	1200	2				1.5	2.2	3				
□J-Z □ /1	400	800	1200	1				0.75	1.1	2.2				
□J-Z □ /1.6	500	1000	1500	1.6	32	32	120	1.5	2.2	3	32	310	450	
□J-Z □ /0.8	500	1000	1500	0.8				0.75	1.1	2.2				
□J-Z □ /1.3	600	1200	1800	1.3				1.5	2.2	3				
□J-Z □ /0.63	600	1200	1800	0.63				0.75	1.1	2.2				
□J-Z □ /1	800	1600	2400	1				1.5	2.2	3				
□J-Z □ /0.5	800	1600	2400	0.5				0.75	1.1	2.2				
□J-Z □ /0.9	900	1800	2700	0.9	32	32	120	1.5	2.2	3	32	310	450	
□J-Z □ /0.45	900	1800	2700	0.45				0.75	1.1	2.2				
□J-Z □ /0.8	1000	2000	3000	0.8				1.5	2.2	3				
□J-Z □ /0.4	1000	2000	3000	0.4				0.75	1.1	2.2				
□J-Z □ /0.63	1200	2400	3600	0.63				1.5	2.2	3				
□J-Z □ /0.32	1200	2400	3600	0.32				0.75	1.1	2.2				

J-D TYPE

Model	Rated Capacity(L/h)			Rated discharge pressure (Mpa)	Plug diameter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power(kW)			Inlet&outlet diameter (mm)	Weight (kg)		
	Single cylinder	Double cylinder	Ternate cylinder					Single cylinder	Double cylinder	Ternate cylinder		Single cylinder	Double cylinder	Ternate cylinder
□ J-D □ /50	32	64	96	50	12	50	88	4	5.5	7.5	15	310	670	1000
□ J-D □ /40	32	64	96	40				2.2	3	5.5				
□ J-D □ /50	40	80	120	50				4	5.5	7.5				
□ J-D □ /32	40	80	120	32				2.2	3	5.5				
□ J-D □ /50	50	100	150	50	16	50	88	4	5.5	7.5	15	310	670	1000
□ J-D □ /25	50	100	150	25				2.2	3	5.5				
□ J-D □ /40	63	126	189	40				4	5.5	7.5				
□ J-D □ /20	63	126	189	20				2.2	3	5.5				
□ J-D □ /40	80	160	240	40	20	50	88	4	5.5	7.5	20	310	670	1000
□ J-D □ /16	80	160	240	16				2.2	3	5.5				
□ J-D □ /25	100	200	300	25				4	5.5	7.5				
□ J-D □ /12.5	100	200	300	12.5				2.2	3	5.5				
□ J-D □ /20	125	250	375	20	25	50	117	4	5.5	7.5	25	600	1200	1800
□ J-D □ /10	125	250	375	10				2.2	3	5.5				
□ J-D □ /16	160	320	480	16				4	5.5	7.5				
□ J-D □ /8	160	320	480	8				2.2	3	5.5				
□ J-D □ /12.5	200	400	600	12.5	32	50	117	4	5.5	7.5	20	310	670	1000
□ J-D □ /6.3	200	400	600	6.3				2.2	3	5.5				
□ J-D □ /10	250	500	750	10				4	5.5	7.5				
□ J-D □ /5	250	500	750	5				2.2	3	5.5				
□ J-D □ /8	320	640	960	8	40	50	117	4	5.5	7.5	20	310	670	1000
□ J-D □ /4	320	640	960	4				2.2	3	5.5				
□ J-D □ /6.3	400	800	1200	6.3				4	5.5	7.5				
□ J-D □ /3.2	400	800	1200	3.2				2.2	3	5.5				
□ J-D □ /5	500	1000	1500	5	50	50	117	4	5.5	7.5	25	600	1200	1800
□ J-D □ /2.5	500	1000	1500	2.5				2.2	3	5.5				
□ J-D □ /4	630	1260	1890	4				4	5.5	7.5				
□ J-D □ /2	630	1260	1890	2				2.2	3	5.5				
□ J-D □ /3.2	800	1600	2400	3.2	63	50	117	4	5.5	7.5	32	600	1200	1800
□ J-D □ /1.6	800	1600	2400	1.6				2.2	3	5.5				
□ J-D □ /2.5	1000	2000	3000	2.5				4	5.5	7.5				
□ J-D □ /1.3	1000	2000	3000	1.3				2.2	3	5.5				
□ J-D □ /2	1250	2500	3750	2	80	50	117	4	5.5	7.5	40	600	1200	1800
□ J-D □ /1	1250	2500	3750	1				2.2	3	5.5				
□ J-D □ /1.6	1600	3200	4800	1.6				4	5.5	7.5				
□ J-D □ /1.8	1600	3200	4800	1.8				2.2	3	5.5				
□ J-D □ /1.3	2000	4000	6000	1.3	100	50	117	4	5.5	7.5	25	600	1200	1800
□ J-D □ /0.63	2000	4000	6000	0.63				2.2	3	5.5				
□ J-D □ /1	2500	5000	7500	1				4	5.5	7.5				
□ J-D □ /0.5	2500	5000	7500	0.5				2.2	3	5.5				
□ J-D □ /0.8	3000	6000	9000	0.8	110	50	117	4	5.5	7.5	50			

J-T TYPE

Model	Rated Capacity(L/h)			Rated discharge pressure (Mpa)	Plug diameter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power (kW)			Inlet&outlet diameter (mm)	Weight (kg)		
	Single cylinder	Double cylinder	Ternate cylinder					Single cylinder	Double cylinder	Ternate cylinder		Single cylinder	Double cylinder	Ternate cylinder
□ J-T □ /32	160	320	480	32	20	80	120	7.5	15	20	600	1200	1800	
□ J-T □ /50	200	400	600	50	11									
□ J-T □ /25	200	400	600	25	7.5									
□ J-T □ /40	250	500	750	40	11									
□ J-T □ /20	250	500	750	20	25	80	120	7.5	15	20	600	1200	1800	
□ J-T □ /32	320	640	960	32				11						
□ J-T □ /16	320	640	960	16				7.5						
□ J-T □ /25	400	800	1200	25				11						
□ J-T □ /12.5	400	800	1200	12.5	32	80	120	7.5	20	20	600	1200	1800	
□ J-T □ /20	500	1000	1500	20				11						
□ J-T □ /10	500	1000	1500	10				7.5						
□ J-T □ /16	640	1280	1920	16				11						
□ J-T □ /8	640	1280	1920	8	40	80	120	7.5	25	25	600	1200	1800	
□ J-T □ /12.5	800	1600	2400	12.5				11						
□ J-T □ /6.3	800	1600	2400	6.3				7.5						
□ J-T □ /10	1000	2000	3000	10				11						
□ J-T □ /5	1000	2000	3000	5	50	80	120	7.5	25	25	600	1200	1800	
□ J-T □ /8	1260	2520	3780	8				11						
□ J-T □ /4	1260	2520	3780	4				7.5						
□ J-T □ /6.3	1600	3200	4800	6.3				11						
□ J-T □ /3.2	1600	3200	4800	3.2	63	80	120	7.5	32	32	600	1200	1800	
□ J-T □ /5	2000	4000	6000	5				11						
□ J-T □ /2.5	2000	4000	6000	2.5				7.5						
□ J-T □ /4	2500	5000	7500	4				11						
□ J-T □ /2	2500	5000	7500	2	80	80	120	7.5	40	40	600	1200	1800	
□ J-T □ /3.2	3200	6400	9600	3.2				11						
□ J-T □ /1.6	3200	6400	9600	1.6				7.5						
□ J-T □ /2.5	4000	8000	12000	2.5				11						
□ J-T □ /1.3	4000	8000	12000	1.3	100	80	120	7.5	50	50	600	1200	1800	
□ J-T □ /2	5000	10000	15000	2				11						
□ J-T □ /1	5000	10000	15000	1				7.5						
□ J-T □ /1.6	6300	12600	18600	1.6				11						
□ J-T □ /0.8	6300	12600	18600	0.8	125	80	120	7.5	65	65	600	1200	1800	
□ J-T □ /1.25	8000	16000	24000	1.25				11						
□ J-T □ /0.63	8000	16000	24000	0.63				7.5						
□ J-T □ /1	10000	20000	30000	1.0				11						
□ J-T □ /0.5	10000	20000	30000	0.5	140	80	120	7.5	80	80	600	1200	1800	
□ J-T □ /0.8	12500	25000	37500	0.8				11						
□ J-T □ /0.4	12500	25000	37500	0.4				7.5						
□ J-T □ /0.63	16000	32000	48000	0.63				11						
□ J-T □ /0.32	16000	32000	48000	0.32	160	80	120	7.5	100	100	600	1200	1800	
□ J-T □ /0.32	16000	32000	48000	0.32				11						

## MECHANICALLY ACTUATED DIAPHRAGM METERING PUMP

### PERFORMANCE PARAMETER

#### JXM/A TYPE

Model	Capacity (L/h)	Pressure (Mpa)	Septum (mm)	Journey (mm)	Rotate speed (r/min)	Motor power (kW)	Inlet&outlet diameter (mm)	Weight (kg)
JXM-A2.25/1.2	2.25	1.2	φ 63/36	1.2	36	0.37	8	18
JXM-A4.5/1.2	4.5				72			
JXM-A9/1.2	9				144			
JXM-A22/1.2	22	φ 82/45	4	72	15			
JXM-A44/1.2	44			144				
JXM-A85/1.0	85	1.0	φ 110/70	6	72		15	
JXM-A120/0.7	120	0.7		8	72			
JXM-A170/0.7	170			6	144			

#### JXM TYPE

Model	Capacity (L/h)	Pressure (Mpa)	Journey (m)	Rotate speed (r/min)	Motor power (kW)	Inlet&outlet diameter (mm)	Weight (kg)
JXM-176/0.3	176	0.3	3	48	0.37	25	28
JXM-265/0.3	265	0.3		72	0.55		
JXM-352/0.3	352	0.3		96	0.37		
JXM-530/0.3	530	0.3		144	0.55		

#### JDM TYPE

Model	Capacity (L/h)	Pressure (Mpa)	Journey (m)	Rotate speed (r/min)	Motor power (kW)	Inlet&outlet diameter (mm)	Weight (kg)
JDM-500/0.3	500	0.3	3	48	1.1	40	95
JDM-750/0.3	750	0.3		72	1.1		
JDM-1000/0.3	1000	0.3		96	1.1		
JDM-1500/0.3	1500	0.3		144	1.1		

## HXDRAULICALLY ACTUATED DIAPHRAGM METERING PUMP

#### JYM1.6 TYPE

Model	Capacity (L/h)	Pressure (Mpa)	Plug diameter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power (kW)	Inlet&outlet diameter (mm)	Weight (kg)	
JYM1.6-□/20	1.0	<20	8	12.5	45	0.37	φ 6	68	
JYM1.6-□/20	1.5		10						
JYM1.6-□/20	1.8		8	20	106				
JYM1.6-□/20	2.5				135				
JYM1.6-□/20	3.2				106				
JYM1.6-□/20	4.0		10	12.5	135	0.55			
JYM1.6-□/20	5.5				106				
JYM1.6-□/20	7.0				106				
JYM1.6-□/20	9.5				135				
JYM1.6-□/12.5	12				12.5	12			106
JYM1.6-□/6.3	12	6.3	106	0.37					
JYM1.6-□/10	16	10	16	135	0.55				
JYM1.6-□/5	16	5		106	0.37				
JYM1.6-□/8	22	8		106	0.55				
JYM1.6-□/4.0	22	4.0		135	0.37				
JYM1.6-□/6.3	28	6.3	20	20	106	0.55	15		
JYM1.6-□/3.2	28	3.2						135	0.37
JYM1.6-□/5.0	36	5	25	20	106	0.55	15		
JYM1.6-□/2.5	36	2.5						135	0.37
JYM1.6-□/4.0	45	4.0						106	0.55
JYM1.6-□/2.0	45	2.0	30	20	135	0.55	15		
JYM1.6-□/3.2	55	3.2						106	0.37
JYM1.6-□/1.6	55	1.6						135	0.55
JYM1.6-□/2.5	72	2.5						106	0.37
JYM1.6-□/1.3	72	1.3	32	20	106	0.55	15		
JYM1.6-□/2.2	80	2.2						135	0.37
JYM1.6-□/1.0	80	1.0	36	20	106	0.55	15		
JYM1.6-□/2.0	105	2.0						135	0.37
JYM1.6-□/1.0	105	1.0						106	0.55
JYM1.6-□/2.0	92	2.0	40	20	135	0.55	15		
JYM1.6-□/1.0	92	1.0						106	0.37
JYM1.6-□/1.6	120	1.6	45	20	106	0.55	15		
JYM1.6-□/0.8	120	0.8						135	0.37
JYM1.6-□/1.3	150	1.3	50	20	106	0.55	15		
JYM1.6-□/0.8	150	0.8						135	0.37
JYM1.6-□/1.0	190	1.0	50	20	106	0.55	15		
JYM1.6-□/0.63	190	0.63						135	0.37
JYM1.6-□/0.8	240	0.8	50	20	135	0.55	15		
JYM1.6-□/0.5	240	0.5						106	0.37
JYM1.6-□/0.63	300	0.63	50	20	135	0.55	15		
JYM1.6-□/0.32	300	0.32						106	0.37

**JYMZ TYPE**

Model	Capacity (L/h)	Pressure (Mpa)	Plug diamter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power (kW)	Inlet&outlet diameter (mm)	Weight (kg)
JYMZ□/25	24	25	12	32	120	1.5	10	160
JYMZ□/16	24	16				0.75		
JYMZ□/25	32	25	14			1.5		
JYMZ□/10	32	10				0.75		
JYMZ□/20	40	20	16			1.5		
JYMZ□/10	40	10				0.75		
JYMZ□/16	52	16	18			1.5		
JYMZ□/8	52	8				0.75		
JYMZ□/13	63	13	20			1.5		
JYMZ□/6.3	63	6.3				0.75		
JYMZ□/10	80	10	22			1.5		
JYMZ□/5	80	5				0.75		
JYMZ□/8	100	8	25			1.5		
JYMZ□/4	100	4				0.75		
JYMZ□/6.3	125	6.3	28			1.5		
JYMZ□/3.2	125	3.2				0.75		
JYMZ□/5	160	5	32			1.5		
JYMZ□/2.5	160	2.5				0.75		
JYMZ□/4	200	4	35			1.5		
JYMZ□/2	200	2				0.75		
JYMZ□/3.2	250	3.2	40			1.5		
JYMZ□/1.6	250	1.6				0.75		
JYMZ□/2.5	320	2.5	45			1.5		
JYMZ□/1.3	320	1.3				0.75		
JYMZ□/2	400	2	50	1.5				
JYMZ□/1	400	1		0.75				
JYMZ□/1.6	500	1.6	55	1.5				
JYMZ□/0.8	500	0.8		0.75				
JYMZ□/1.3	600	1.3	60	1.5				
JYMZ□/0.63	600	0.63		0.75				
JYMZ□/1	800	1	70	1.5				
JYMZ□/0.5	800	0.5		0.75				
JYMZ□/0.9	900	0.9	75	1.5				
JYMZ□/0.45	900	0.45		0.75				
JYMZ□/0.8	1000	0.8	80	1.5				
JYMZ□/0.4	1000	0.4		0.75				
JYMZ□/0.63	1200	0.63	85	1.5				
JYMZ□/0.32	1200	0.32		0.75				
JYMZ□/0.6	1350	0.6	90	1.5				
JYMZ□/0.3	1350	0.3		0.75				
JYMZ□/0.5	1500	0.5	95	1.5				
JYMZ□/0.25	1500	0.25		0.75				

**JYMT TYPE**

Model	Capacity (L/h)	Pressure (Mpa)	Plug diamter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power (kW)	Inlet&outlet diameter (mm)	Weight (kg)
JYMT□/30	250	30	25	80	96	7.5	20	540
JYMT□/30	320	30	32			11		
JYMT□/16	320	16				7.5		
JYMT□/25	400	25				11		
JYMT□/12.5	400	12.5				7.5		
JYMT□/20	500	20				40		
JYMT□/10	500	10					7.5	
JYMT□/16	630	16	11					
JYMT□/8	630	8	7.5					
JYMT□/12.5	800	12.5	50				11	
JYMT□/6.3	800	6.3					7.5	
JYMT□/10	1000	10				11		
JYMT□/5	1000	5				7.5		
JYMT□/8	1250	8				63	11	
JYMT□/4	1250	4					7.5	
JYMT□/6.3	1600	6.3	11					
JYMT□/3.2	1600	3.2	7.5					
JYMT□/5	2000	5	80				11	
JYMT□/2.5	2000	2.5					7.5	
JYMT□/4	2500	4				11		
JYMT□/2	2500	2				7.5		
JYMT□/3.2	3200	3.2				100	11	
JYMT□/1.6	3200	1.6					7.5	
JYMT□/2.5	4000	2.5	11					
JYMT□/1.25	4000	1.25	7.5					
JYMT□/2	5000	2	125	11				
JYMT□/1	5000	1		7.5				
JYMT□/1.6	6300	1.6		11				
JYMT□/0.8	6300	0.8		7.5				
JYMT□/1.25	8000	1.25		140	11			
JYMT□/0.63	8000	0.63			7.5			
JYMT□/1	10000	1	160		11			
JYMT□/0.5	10000	0.5			7.5			

JYMT-S TYPE

Model	Capacity (L/h)	Pressure (Mpa)	Plug diameter (mm)	Journey (mm)	Rotate speed (r/min)	Motor power (kW)	Inlet&outlet diameter (mm)	Weight (kg)
JYMT-S□/20	500	20	25	80	96	7.5	15	750
JYMT-S□/20	640	20	32					
JYMT-S□/16	640	16				40		
JYMT-S□/20	800	20						
JYMT-S□/12.5	800	12.5				63		
JYMT-S□/16	1000	16	25					
JYMT-S□/8	1000	8						
JYMT-S□/12.5	1260	12.5	40					
JYMT-S□/6.3	1260	6.3				50		
JYMT-S□/10	1600	10						
JYMT-S□/5	1600	5			80			
JYMT-S□/8	2000	8	25					
JYMT-S□/4	2000	4				32		
JYMT-S□/6.3	2500	6.3	100					
JYMT-S□/3.2	2500	3.2			40			
JYMT-S□/5	3200	5				50		
JYMT-S□/2.5	3200	2.5			125			
JYMT-S□/4	4000	4	60					
JYMT-S□/2	4000	2				65		
JYMT-S□/3.2	5000	3.2	140					
JYMT-S□/1.6	5000	1.6		80				
JYMT-S□/2.5	6400	2.5			80			
JYMT-S□/1.3	6400	1.3		160				
JYMT-S□/2	8000	2	65					
JYMT-S□/1	8000	1			80			
JYMT-S□/1.6	10000	1.6	160					
JYMT-S□/0.8	10000	0.8		65				
JYMT-S□/1.3	12600	1.3			80			
JYMT-S□/0.63	12600	0.63		160				
JYMT-S□/1.25	16000	1.25	80					
JYMT-S□/0.63	16000	0.63			80			
JYMT-S□/1	20000	1	80					
JYMT-S□/0.5	20000	0.5		80				

CORROSION RESISTANCE PERFORMANCE LIST

Corrosive liquid	Consistency	Stainless steel			RPP			Fluoroplastic			Phenolic aldehyde fibre glass		
		25°C	50°C	100°C	25°C	50°C	100°C	25°C	50°C	100°C	25°C	60°C	110°C
Sulfuric acid	0~50	×	×	×	✓	✓	○	✓	✓	✓	✓	✓	✓
Sulfuric acid	50~98	×	×	×	✓	○	×	✓	✓	✓	✓	✓	○
Nitric acid	10~70	✓	✓	✓	✓	✓	○	✓	✓	✓	×	×	×
Nitric acid	70~102	✓	✓	✓	×	×	×	✓	✓	✓	×	×	×
Hydrochloric acid		×	×	×	○	○	○	✓	✓	✓	✓	✓	✓
Phosphoric acid	0~90	×	×	×	✓	✓	○	✓	✓	✓	✓	✓	✓
Hydrofluoric acid	0~50	×	×	×	✓	✓	✓	✓	✓	✓	×	×	×
Hydromic		×	×	×	✓	✓	○	✓	✓	✓	✓	✓	✓
Hydrocyanide		×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Butyric acid	0~50	×	×	×	✓	✓	×	✓	✓	✓	×	×	×
Hypochlorous acid		×	×	×	✓	✓	×	✓	✓	✓	✓	○	×
Fluosilicic acid		×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aqua fortis		×	×	×	×	×	×	✓	✓	✓	×	×	×
Formate acid		×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Acetic acid		○	○	○	✓	✓	○	✓	✓	✓	✓	✓	○
Butyric acid		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lactic acid		✓	✓	×	✓	✓	×	✓	✓	✓	✓	✓	○
Oxalic acid		○	○	×	✓	○	×	✓	✓	✓	✓	✓	✓
Fatty acid		✓	✓	✓	✓	○	×	✓	✓	✓	✓	✓	✓
Acidum benzoicum		✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓
Citric acid		✓	✓	✓	✓	○	×	✓	✓	✓	✓	✓	✓
Benzene sulfonic acid		✓	✓	✓	○	○	×	✓	✓	✓	✓	✓	✓
Chloroacetic acid		×	×	×	✓	✓	×	✓	✓	✓	○	○	○
Potassium hydroxide		✓	✓	○	✓	✓	✓	✓	✓	✓	×	×	×
Ammonium hydroxide		✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
Sulphate of ammonia		×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonium phosphate		✓	✓	×	✓	✓	○	✓	✓	✓	✓	✓	✓
Ammonium chloride		×	×	✓	✓	✓	○	✓	✓	✓	✓	✓	✓
Sodium sulfide fluorine		○	○	×	✓	✓	✓	✓	✓	✓	×	×	×
HG ammonium		×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium hypochlorite	0~25	×	×	×	✓	○	×	✓	✓	✓	×	×	×
Aluminum sulfate		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
lead acetate		✓	✓	✓	✓	✓	○	✓	✓	✓	✓	✓	✓
Calcium hypochlorite	0~25	×	×	×	✓	○	○	✓	✓	✓	○	○	×
Carbinol		✓	✓	✓	✓	○	○	✓	✓	✓	○	×	×
Ethanol		✓	✓	✓	✓	○	○	✓	✓	✓	○	○	×
Toluene		✓	✓	✓	×	×	×	✓	✓	✓	○	○	○
dichloroethane		✓	✓	✓	×	×	×	✓	✓	✓	✓	○	○
Chloric acid		×	×	×	✓	✓	×	✓	✓	✓	✓	○	○
Potassium chlorate		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boracic acid		✓	✓	○	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium phosphate		✓	✓	✓	✓	○	×	✓	✓	✓	✓	✓	✓
Borax		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Potassium permanganate		✓	✓	✓	✓	✓	×	✓	✓	✓	○	○	○
Sulfurous acid		✓	✓	○	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silicic acid		×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hypochlorous		×	×	×	✓	✓	✓	✓	✓	✓	✓	○	○
Nickelous sulfate		✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aluminum fluoride		○	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓

Note : " ✓ " good effect, " ○ " Normal effect, " × " can not use. If the medium is not included in above table, please contact with us.