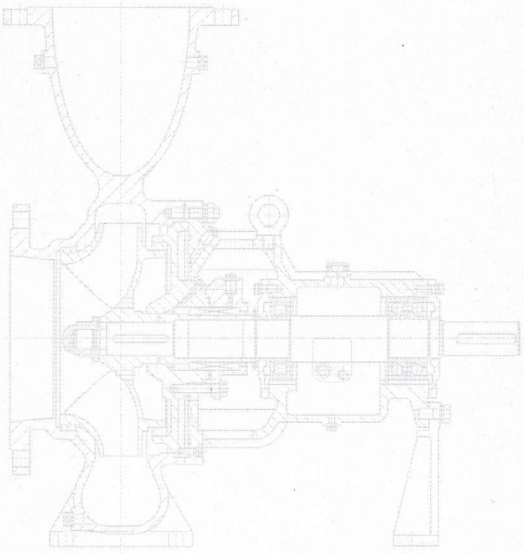


CZ系列
国际标准化工泵

International standard chemical pump

CZ型

产品执行标准：API610(第十版)

Use Specification | 使用说明书



HUA RI

扬州华力机泵制造有限公司

使用该产品前，请仔细阅读说明书！

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ZG1Cr18Ni9(302)钢的耐腐蚀性能表 ZG1Cr18Ni9(302) Comparison table of corrosion resistance of steel 36

ZG1Cr18Ni9Ti(321)钢的耐腐蚀性能表 ZG1Cr18Ni9Ti(321) Comparison table of corrosion resistance of steel 37

ZG0Cr18Ni12Mo2Ti(316Ti)钢的耐腐蚀性能 ZG0Cr18Ni12Mo2Ti(316Ti) Comparison table of corrosion resistance of steel 38

ZG1Cr18Ni12Mo2Ti(307)钢耐腐蚀性能表 ZG1Cr18Ni12Mo2Ti(307) Comparison table of corrosion resistance of steel 39

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产品概述

产品执行标准：API610(第十版)、VDMA24297(重型)

CZ系列标准化工泵是卧式、单级、单吸离心泵、产品符合DIN24256、ISO2858、GB5662-85标准、是标准化工泵的基本产品。

适合输送低温或高温、中性或有腐蚀性、清洁或含有固体颗料、有毒及易燃易爆的介质。主要用于化工、石油化工、炼钢厂、发电厂、造纸、纸浆及医药、食品、制糖等行业。

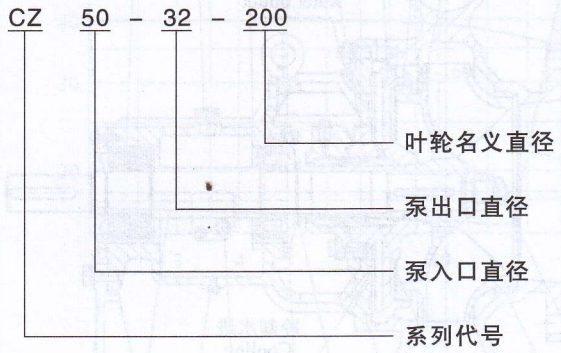
Product Introduction

Executing standards of product: API610(Ed.10) and VDMA2497 (heavy-duty).

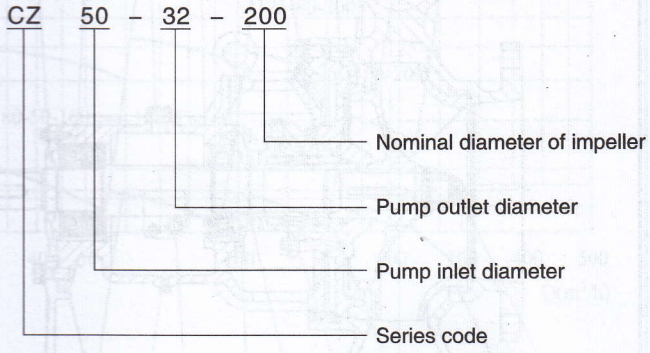
The CZ series standard chemical pump is a horizontal, single-stage and single-suction centrifugal pump, which conforms to such standards as DIN24256, ISO2858 and GB5662-85, which is a basic product among standard chemical pumps.

It's applicable for transporting media being low-temperature or high-temperature, neutral or corrosive, being clean or containing solid grains, or being poisonous, inflammable or explosive. It's mainly applied in such industries as chemical engineering, petrochemicals, steel works, power plants, papermaking, pulp, medicine, food and sugar refining.

型号说明



Type Designation



结构特点

泵体：采用底脚支承结构；

叶轮：闭式、半开式、全开式叶轮，CZ系列泵轴向力主要由背叶片或平衡孔来平衡，残余轴向力由轴承承受

泵盖：与密封压盖构成密封腔体，标准腔体尺寸可配备各种密封型式

轴封：根据工况不同，可采用填料密封、单端面机械密封、双端面机械密封、串联机械密封等形式

轴承：润滑方式为稀油润滑，由恒位油杯控制油位，充分保证轴承在良好润滑状态下工作

轴：用轴套保护，防止介质直接与轴接触发生腐蚀，提高轴的使用寿命

后拖式设计：可以不动泵进出管路，即可维修、使用方便

Structural Features

Pump body: adopting foot supporting structure;

Impeller: enclosed, semi-open and full-open types; the CZ series pump's axial force is mainly balanced by the back blade or balance hole while the residual axial force is born by the bearing.

Pump cover: it works with the sealing gland to form a sealing cavity and the standard cavity dimensions can be provided with various seal types.

Shaft seal: according to different working conditions, such seal types can be adopted as packing seal, single end face mechanical seal, double end face mechanical seal, and mechanical seal in series.

Bearing: it adopts the thin oil lubrication mode and the oil level is controlled by a constant level oil cup, thus fully ensuring that the bearing can work in a good lubrication state.

Shaft: it's protected by a bushing to prevent the medium from contacting the shaft directly to improve the shaft's service life.

Tow-behind design: it's available for maintenance without moving the pump's inlet and outlet pipelines, thus easy for use.

工作条件

※ 转速：2960r/min，1480r/min，

※ 流量Q=2~2000m³/h；扬程H≤160m；

※ 工作温度：-40~+260℃；

※ 工作压力≤2.5MPa；

※ 旋转方向，从驱动端看，泵按顺时针方向旋转

Working Conditions

※ Rotation speed: 2960r/min, 1480r/min,

※ Flow Q=2~2000m³/h; Lift head H≤160m

※ Temperature work: -40~+260℃

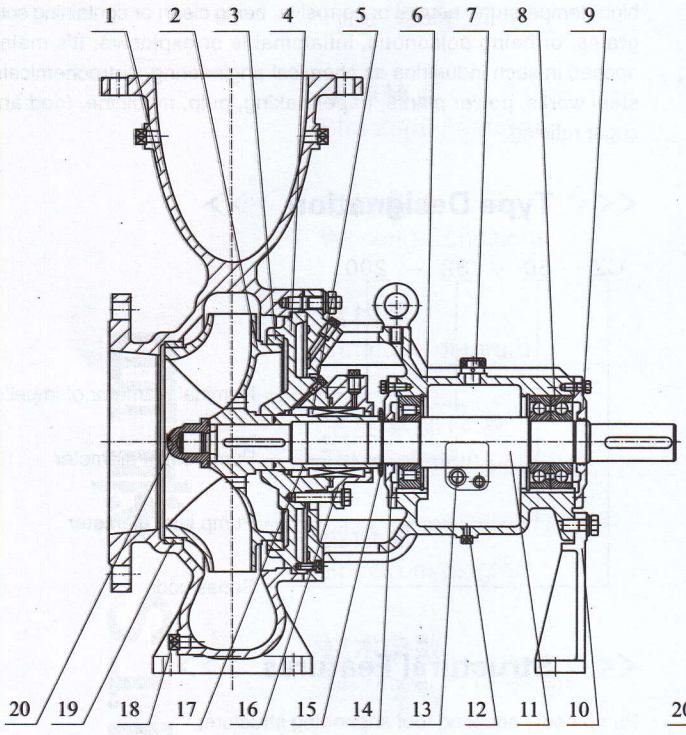
※ Press work ≤2.5MPa

※ Rotation direction: the pump rotates clockwise when seen from the drive end.

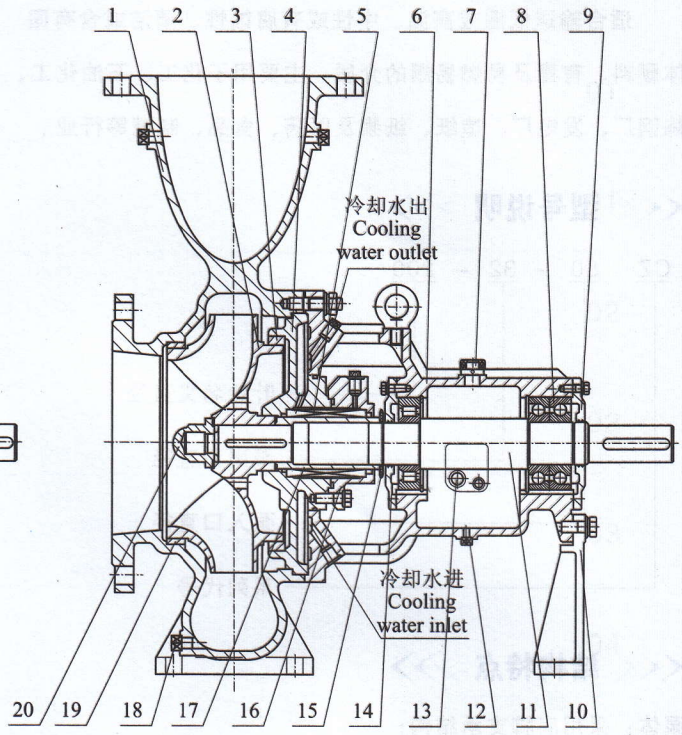
CZ系列国际标准化工泵

结构图 Structure diagram

普通型(单端面、双端面机封)
Common type (single/double-end-face mechanical seal)



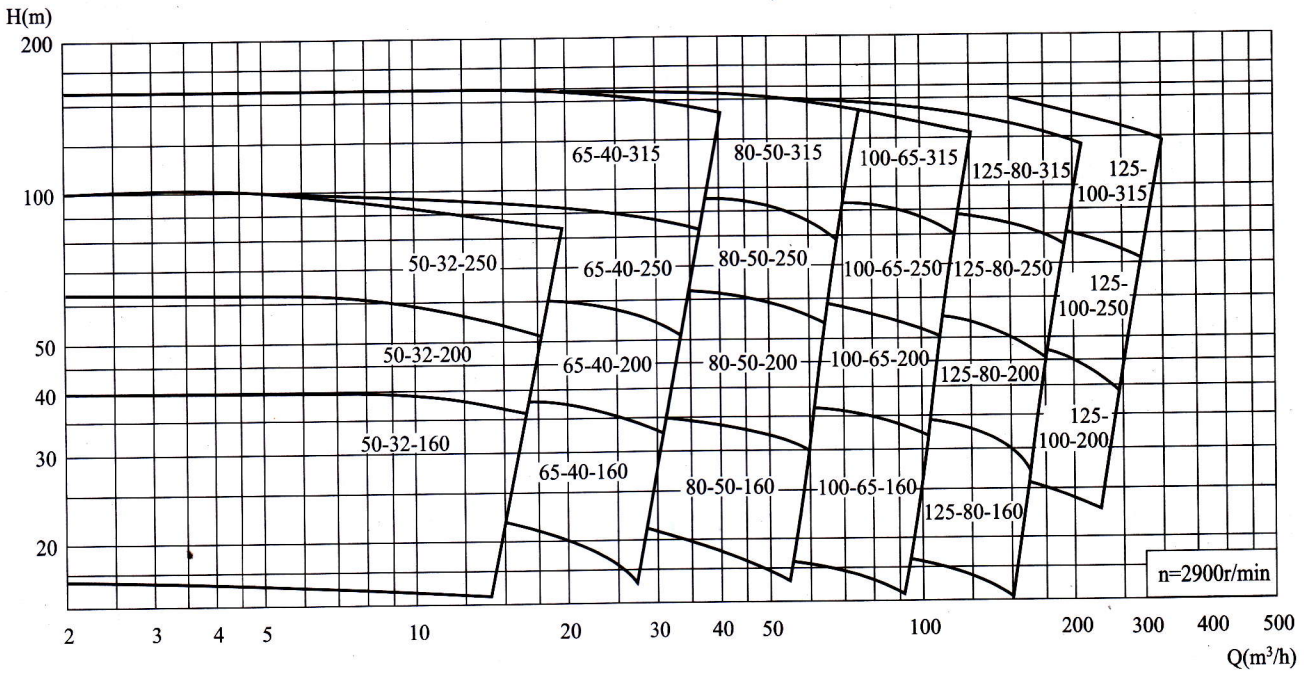
高温型(带冷却水套结构)
High temperature type (with cooling water jacket structure)

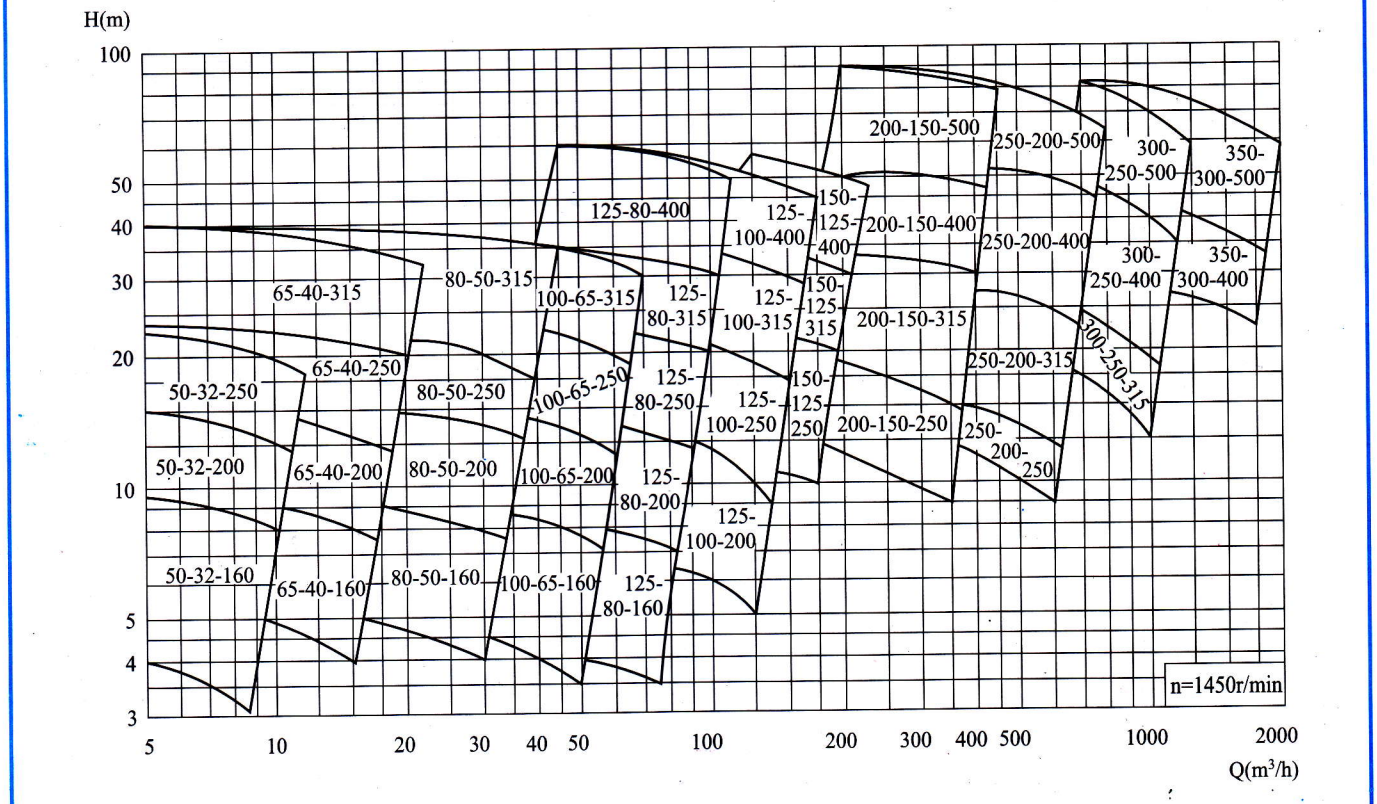


主要零部件表 Table of main parts

序号 No.	名称 Name	序号 No.	名称 Name	序号 No.	名称 Name	序号 No.	名称 Name
1	泵体 Casing	6	悬架体 Suspension	11	泵轴 Pump shaft	16	密封压盖 Sealing gland
2	叶轮 Impeller	7	气孔盖 Air hole cover	12	放油螺塞 Oil drain screw plug	17	轴套 Bushing
3	泵盖口环 Pump cover wear ring	8	轴承 Bearing	13	油镜 Oil gauge	18	放水螺塞 Water drainage bolt
4	泵盖 Pump cover	9	轴承前压盖 Bearing front gland	14	轴承后压盖 Bearing rear gland	19	泵体口环 Casing wear ring
5	机械密封 Mechanical seal	10	悬架支架 Suspension bracket	15	挡水圈 Water deflector	20	叶轮螺母 Impeller nut

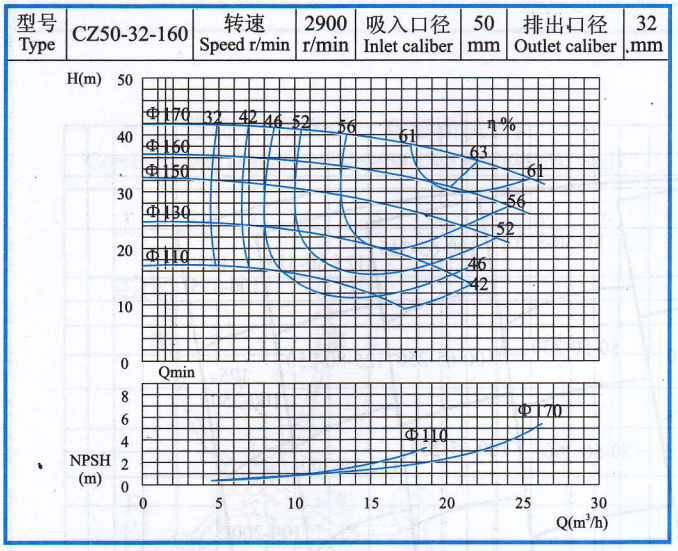
型谱图 Spectrum diagram

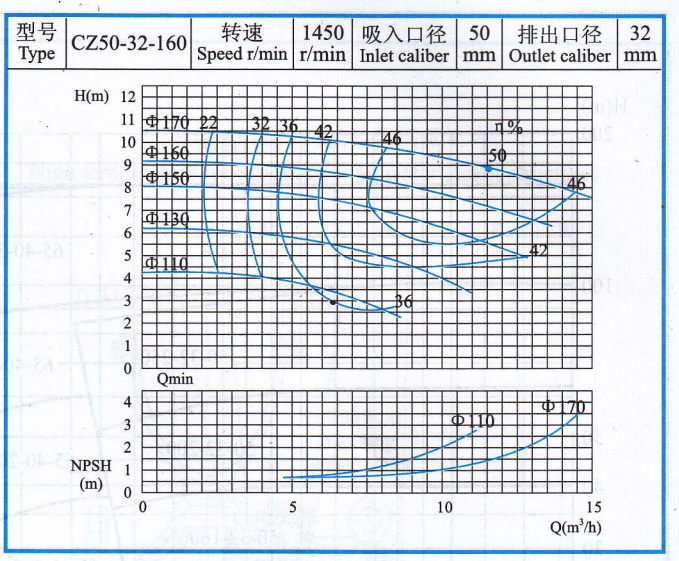


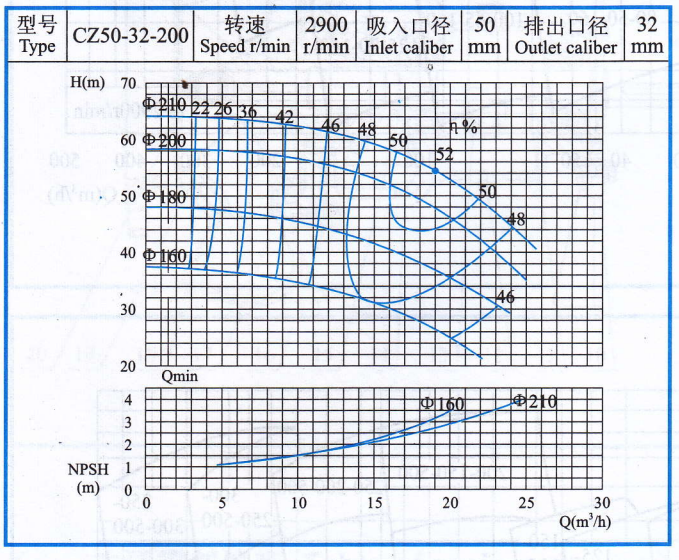


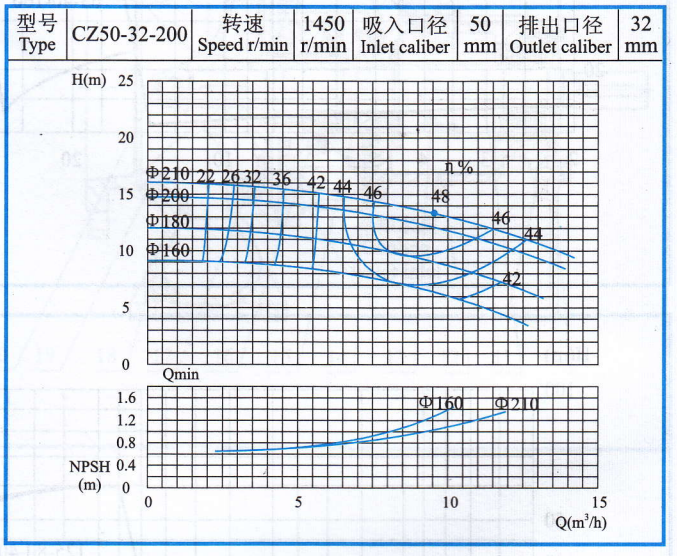
CZ系列国际标准化工泵

性能曲线 Performance curve





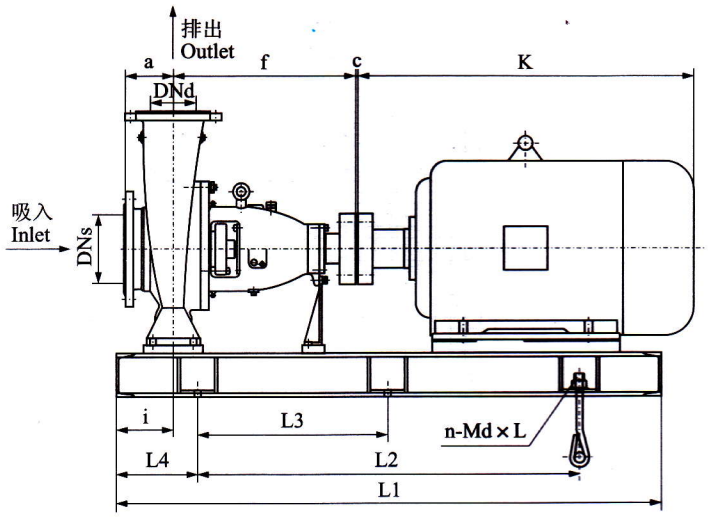


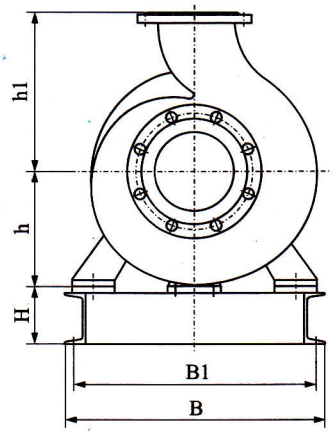


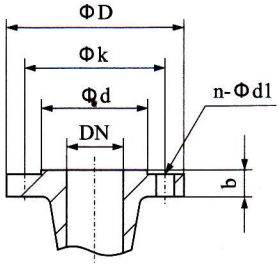
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ50-32-160	A	22	33	5.5	7.5	11	11	8	1.5	1.5	2.2
	B	20	30	4	5.5	7.5	10	7	1.5	1.5	2.2
	C	18	28	4	5.5	7.5	9	6	1.1	1.1	1.5
	D	15	21	3	4	5.5	7	5	1.1	1.1	1.1
	E	13	14	2.2	3	4	6	3	1.1	1.1	1.1
CZ50-32-200	A	19	52	11	11	15	10	12	2.2	2.2	3
	B	18	48	7.5	11	15	9	11	1.5	2.2	2.2
	C	16	40	5.5	7.5	11	8	10	1.5	1.5	2.2
	D	15	30	4	5.5	7.5	8	8	1.5	1.5	1.5

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

DN	ΦD	Φk	Φd	b	n-Φd1
Φ50	Φ165	Φ125	Φ99	20	4-Φ18
Φ32	Φ140	Φ100	Φ76	18	4-Φ18

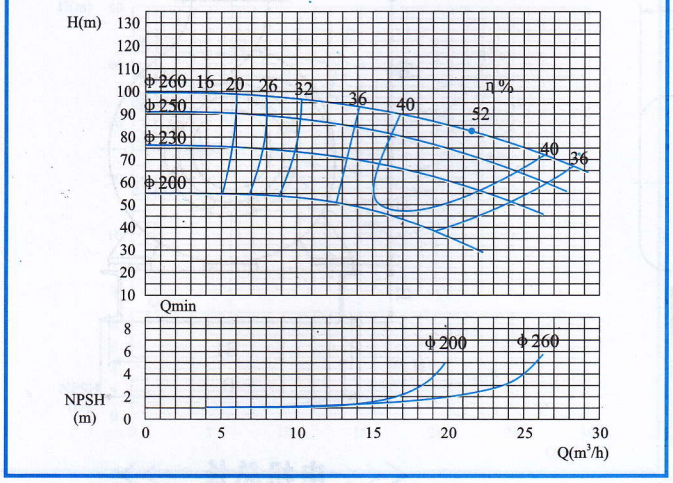
安装尺寸表 Installation dimensions table

泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ50-32-160	50	32	80	132	160	385	3	75	90S/L~112M	125	900	390	350	600	0	150	4-M12×250
									132S/M		1000	390	350	660	0	170	
CZ50-32-200	50	32	80	160	180	385	3	75	90S/L~112M	125	900	390	350	600	0	150	4-M12×250
									132S/M		1000	390	350	660	0	170	
									160M/L		1120	390	350	740	0	190	

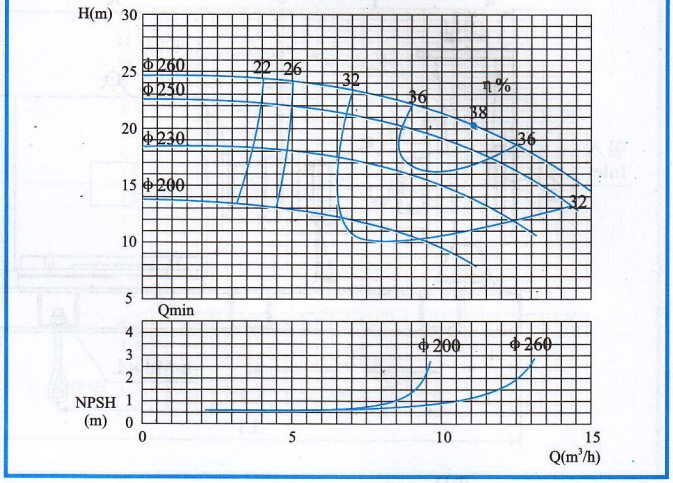
CZ系列国际标准化工泵

性能曲线 Performance curve

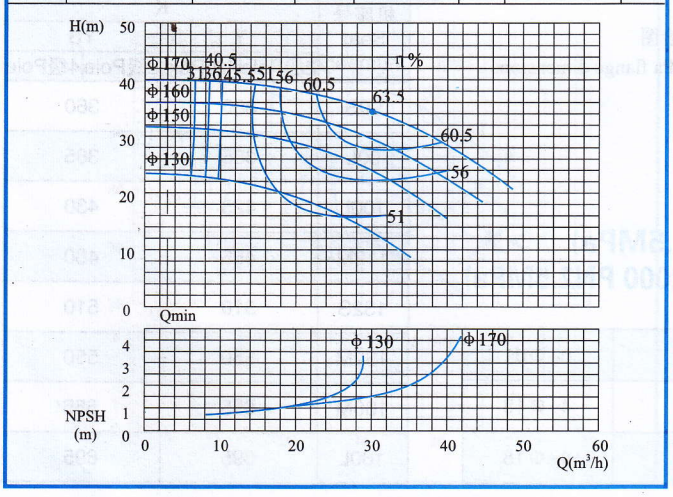
型号 Type	CZ50-32-250	转速 Speed r/min	2900 r/min	吸入口径 Inlet caliber	50 mm	排出口径 Outlet caliber	32 mm



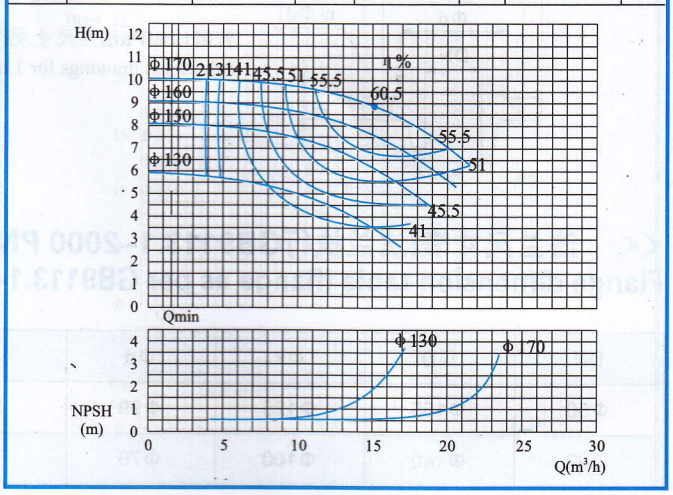
型号 Type	CZ50-32-250	转速 Speed r/min	1450 r/min	吸入口径 Inlet caliber	50 mm	排出口径 Outlet caliber	32 mm



型号 Type	CZ65-40-160	转速 Speed r/min	2900 r/min	吸入口径 Inlet caliber	65 mm	排出口径 Outlet caliber	40 mm



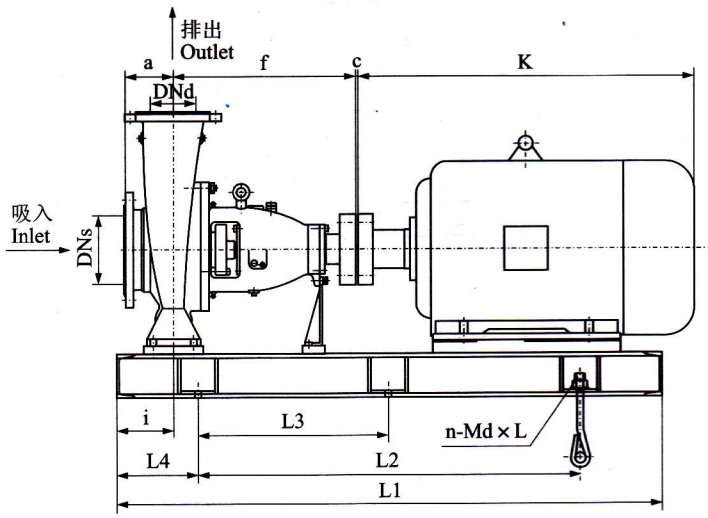
型号 Type	CZ65-40-160	转速 Speed r/min	1450 r/min	吸入口径 Inlet caliber	65 mm	排出口径 Outlet caliber	40 mm

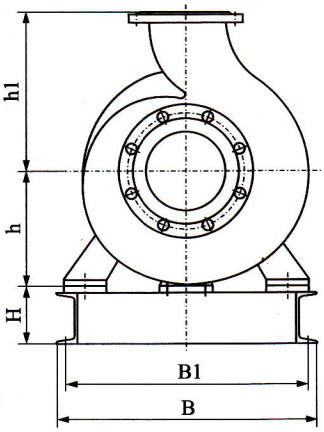


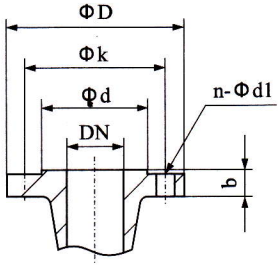
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight	流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ50-32-250	A	20	82	18.5	22	30	11	19	3	4	5.5
	B	20	74	15	22	30	10	18	2.2	3	4
	C	18	61	15	18.5	22	9	15	2.2	3	4
	D	15	48	7.5	11	15	8	12	2.2	2.2	2.2
CZ65-40-160	A	30	32	7.5	11	15	15	8	1.5	1.5	2.2
	B	28	30	7.5	11	11	15	7	1.1	1.5	2.2
	C	26	26	5.5	7.5	11	14	6	1.1	1.1	1.5
	D	22	18	4	5.5	7.5	12	5	1.1	1.1	1.1

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
200L	775		805	

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

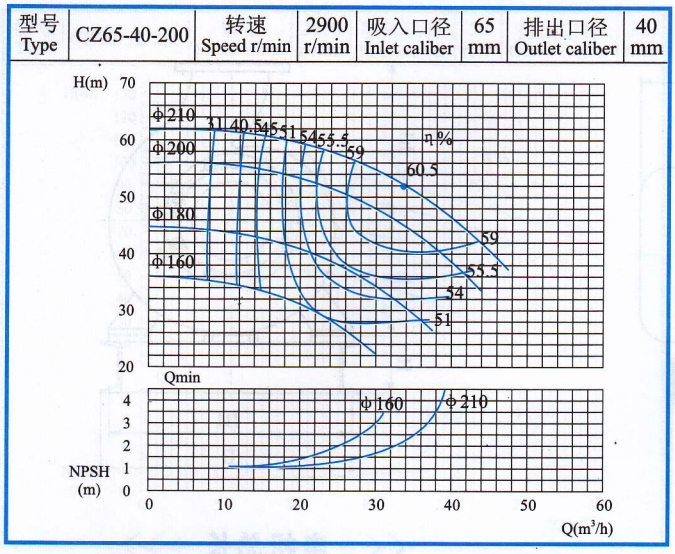
DN	ΦD	Φk	Φd	b	n-Φd1
Φ65	Φ185	Φ145	Φ118	22	8-Φ18
Φ50	Φ165	Φ125	Φ99	20	4-Φ18
Φ40	Φ150	Φ110	Φ84	18	4-Φ18
Φ32	Φ140	Φ100	Φ76	18	4-Φ18

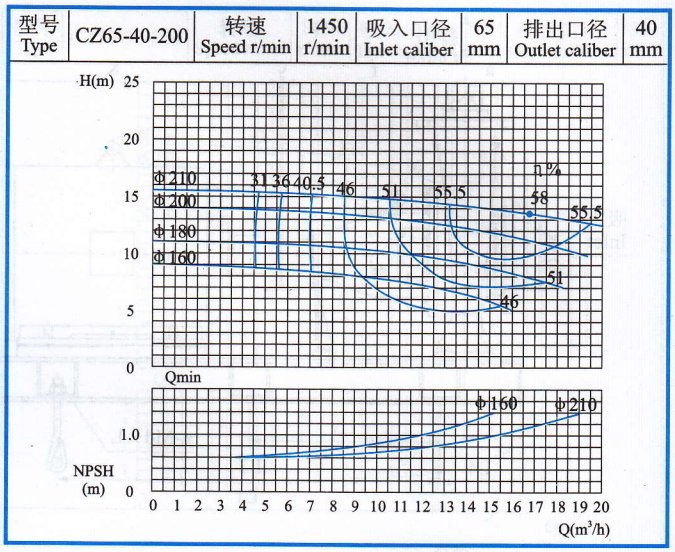
安装尺寸表 Installation dimensions table

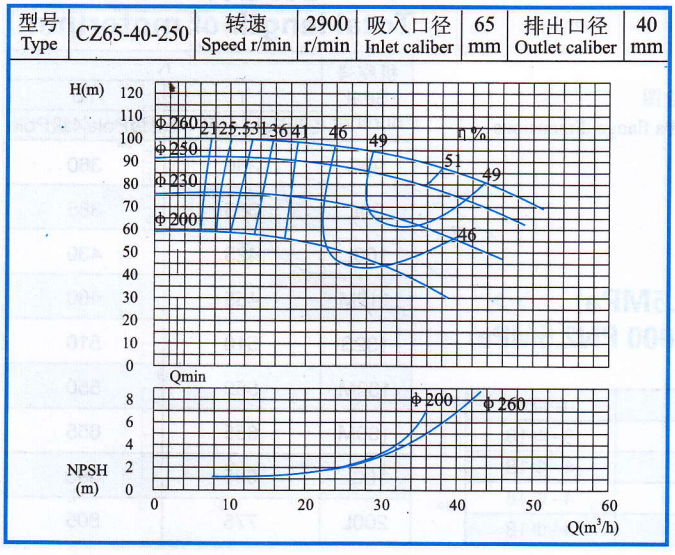
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions								
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ50-32-250	50	32	100	180	225	500	4	90	90S/L	125	1000	390	350	660	0	170	4-M12×250
									100L~132M		1120	390	350	740	0	190	
									160M/L		1250	390	350	840	0	205	
									200L	170	1400	440	400	940	0	230	4-M16×400
CZ65-40-160	65	40	80	132	160	385	3	75	90S/L~112M	125	900	390	350	600	0	150	4-M12×250
									132S/M		1000	390	350	660	0	170	
									160M/L	153	1120	390	350	740	0	190	

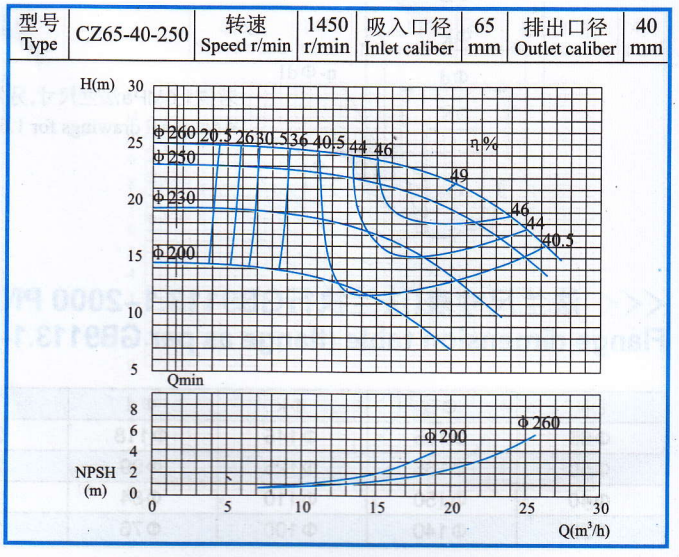
CZ系列国际标准化工泵

性能曲线 Performance curve





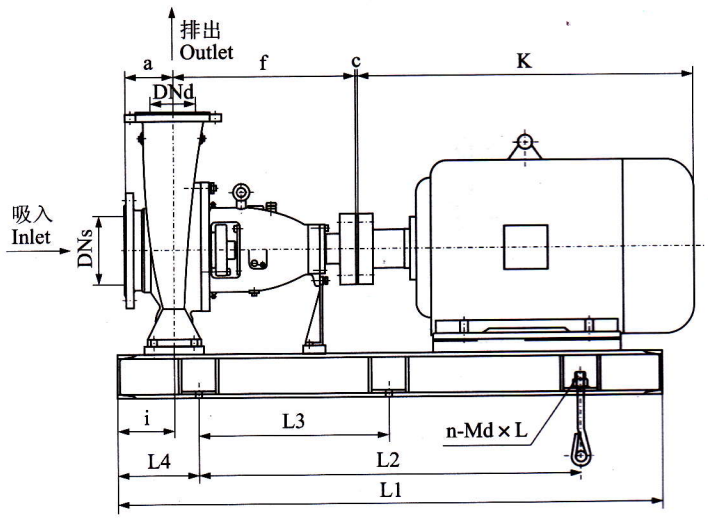


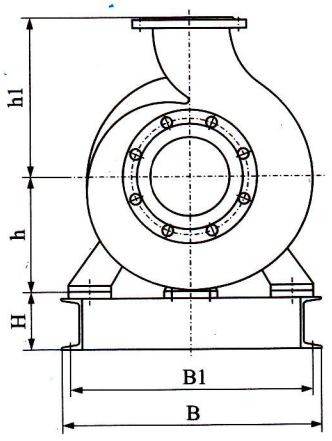


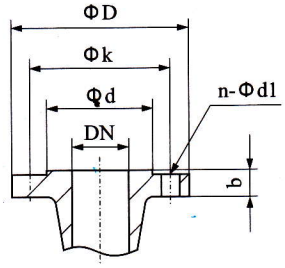
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ65-40-200	A	34	48	11	15	18.5	16	13	2.2	2.2	3
	B	30	46	11	15	18.5	15	11	1.5	2.2	2.2
	C	26	36	7.5	11	15	14	8	1.1	1.5	2.2
	D	22	30	5.5	7.5	11	12	7	1.1	1.1	1.5
CZ65-40-250	A	36	85	22	30	45	20	21	5.5	5.5	7.5
	B	34	80	22	30	37	18	20	4	5.5	7.5
	C	30	65	15	22	30	16	15	3	4	5.5
	D	26	50	15	15	18.5	13	13	2.2	3	4

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

DN	ΦD	Φk	Φd	b	n-Φd1
Φ65	Φ185	Φ145	Φ118	22	8-Φ18
Φ40	Φ150	Φ110	Φ84	18	4-Φ18

电机总长
Total length of motor(mm)

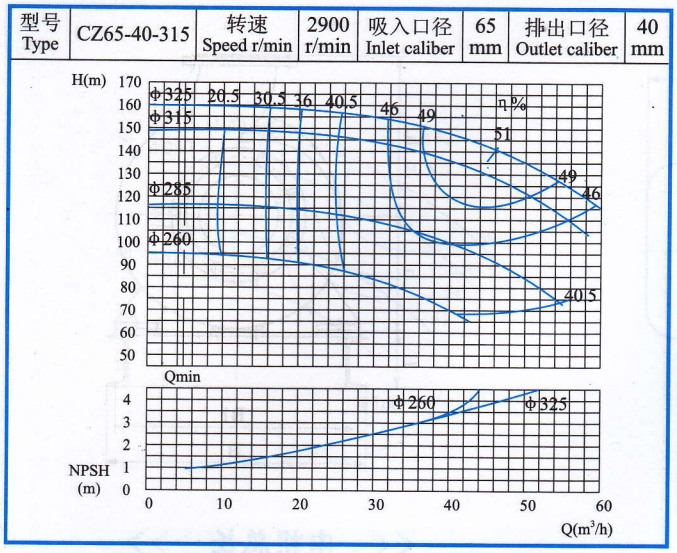
机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870

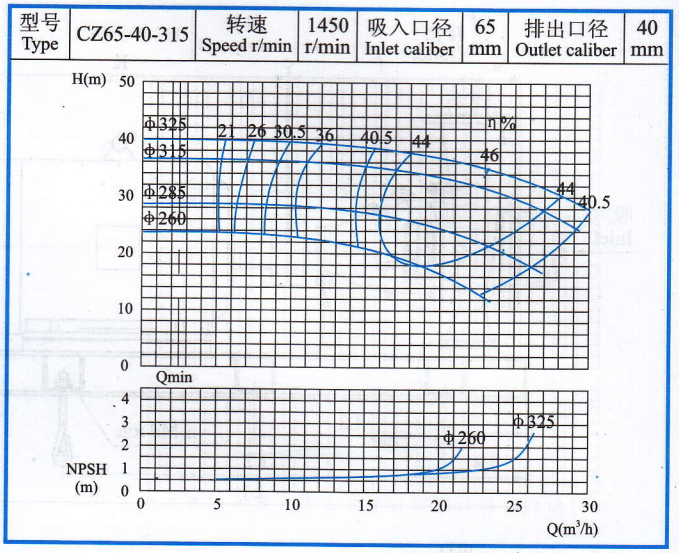
安装尺寸表 Installation dimensions table

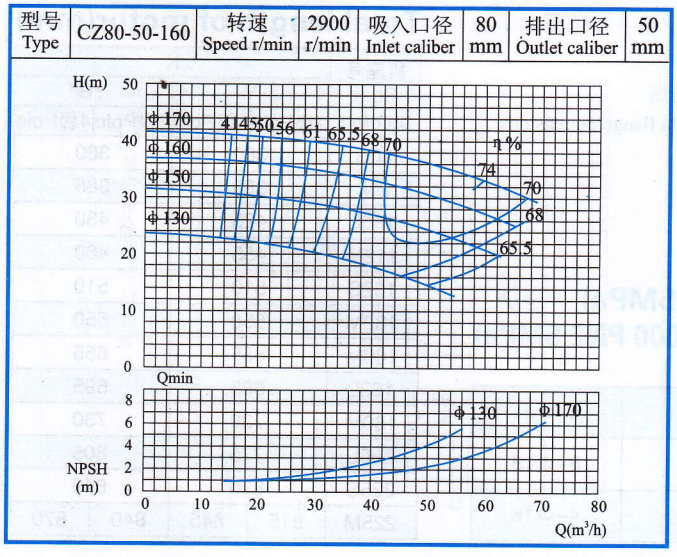
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ65-40-200	65	40	100	160	180	385	3	75	90S/L~112M	125	900	390	350	600	0	150	4-M12×250
									132S/M		1000	390	350	660	0	170	
									160M/L		1120	390	350	740	0	190	
CZ65-40-250	65	40	100	180	225	500	5	90	90S/L	125	1000	390	400	660	0	170	4-M12×250
									100L~132M		1120	390	350	740	0	190	
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16×400
								90	200L~225M	170	1400	440	400	940	0	230	

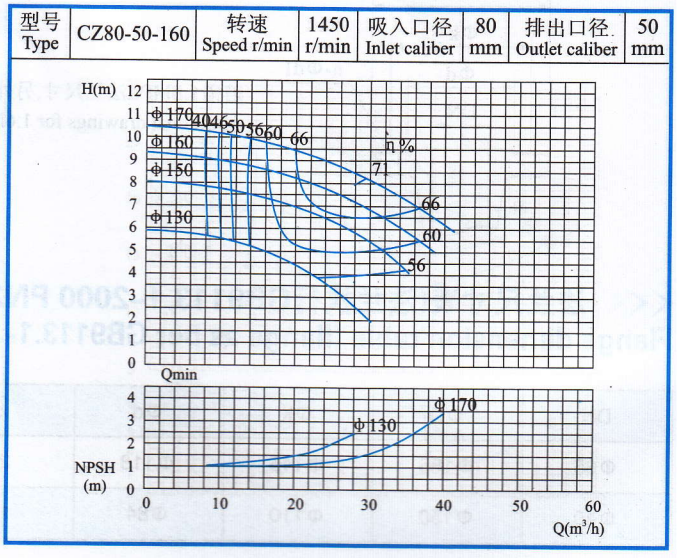
CZ系列国际标准化工泵

性能曲线 Performance curve





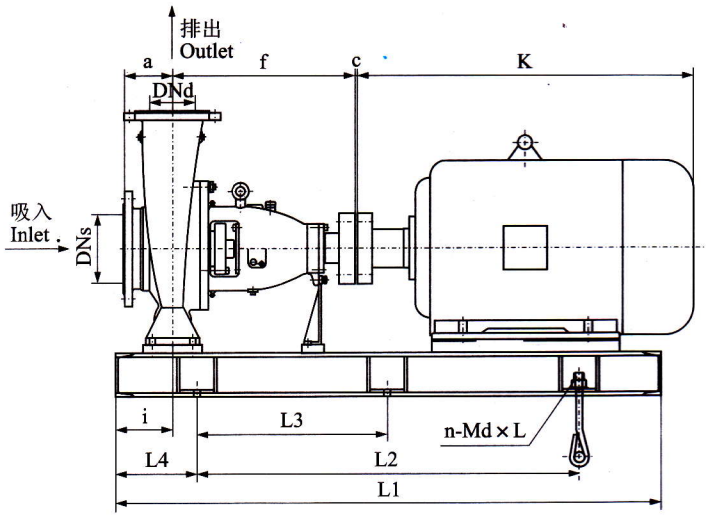


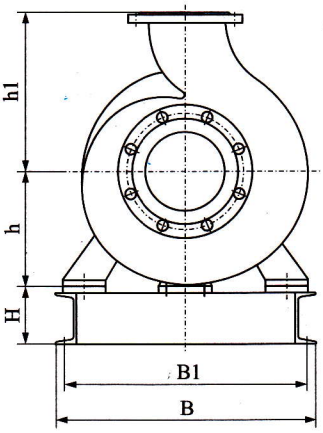


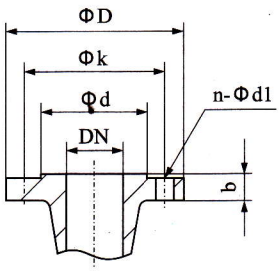
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ65-40-315	A	46	138	45	55	75	22	32	11	11	15
	B	44	130	45	55	75	22	30	7.5	11	11
	C	40	100	30	37	55	20	23	5.5	7.5	11
	D	34	80	30	30	37	18	20	4	4	5.5
CZ80-50-160	A	55	32	15	15	18.5	30	7	2.2	2.2	3
	B	50	28	11	15	18.5	26	6	1.5	2.2	2.2
	C	46	25	7.5	11	15	24	6	1.1	1.5	2.2
	D	40	18	5.5	7.5	11	20	4.5	1.1	1.1	1.5

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

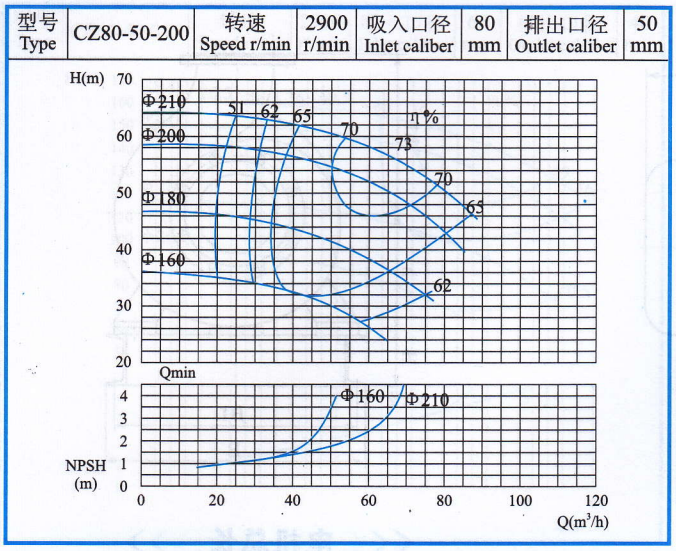
DN	ΦD	Φk	Φd	b	n-Φd1
Φ80	Φ200	Φ160	Φ132	24	8-Φ18
Φ65	Φ185	Φ145	Φ118	22	8-Φ18
Φ50	Φ165	Φ125	Φ99	20	4-Φ18
Φ40	Φ150	Φ110	Φ84	18	4-Φ18

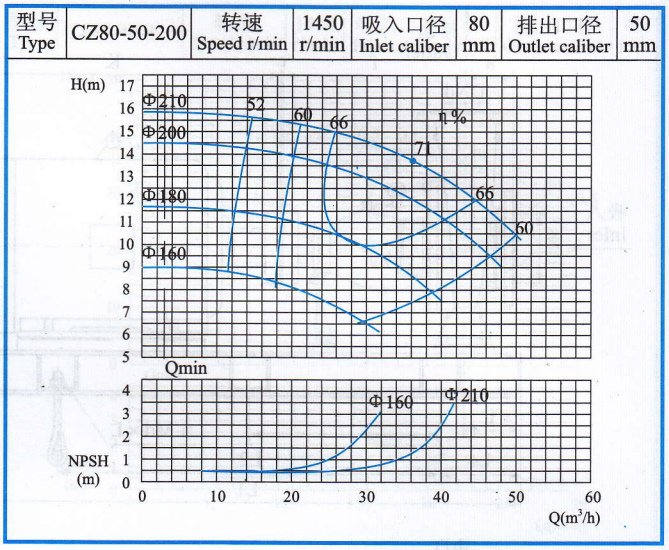
安装尺寸表 Installation dimensions table

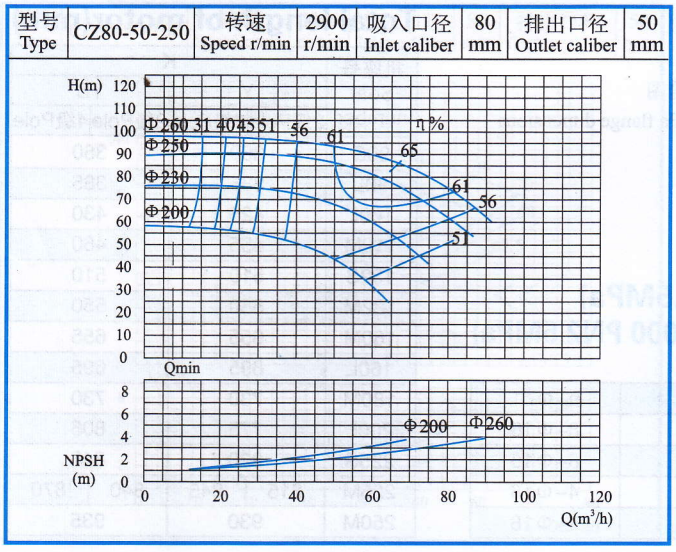
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ65-40-315	65	40	125	200	250	500	5	90	112M~132M	125	1120	390	350	740	0	190	4-M12×250
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16×400
								90	200L		1400	440	400	940	0	230	
									225M	170	1400	530	490	940	0	230	
									250M	190	1600	600	550	1060	530	270	6-M16×400
CZ80-50-160	80	50	100	160	180	385	4	75	90S/L~112M	125	900	390	350	600	0	150	4-M12×250
									132S/M		1000	390	350	660	0	170	
									160M/L		1120	390	350	740	0	190	

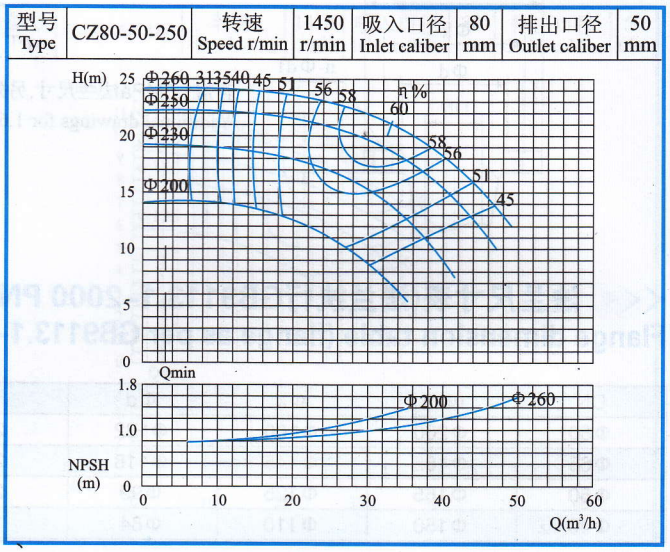
CZ系列国际标准化工泵

性能曲线 Performance curve





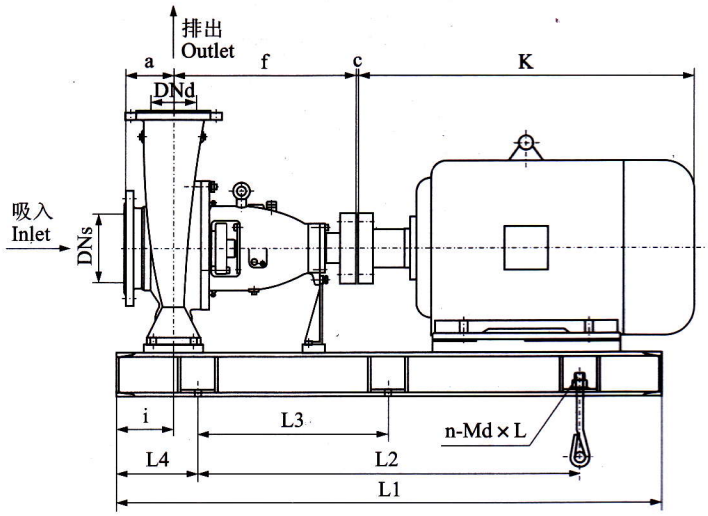


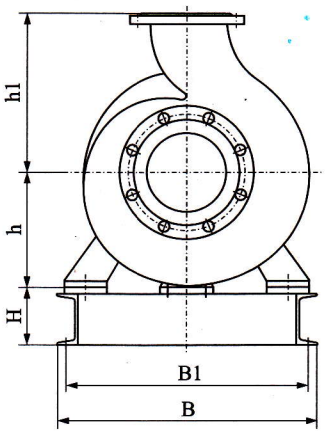


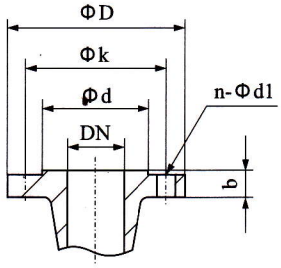
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ80-50-200	A	65	54	18.5	22		36	13	4	5.5	7.5
	B	65	50	15	18.5		34	12	3	4	5.5
	C	50	42	11	15	18.5	30	9	2.2	3	4
	D	40	33	7.5	11	15	24	8	1.5	2.2	3
CZ80-50-250	A	65	82	30	37	55	34	20	7.5	7.5	11
	B	60	80	30	37	55	30	19	5.5	7.5	11
	C	55	65	22	30	45	26	16	4	5.5	7.5
	D	45	56	15	22	30	24	12	3	4	5.5

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

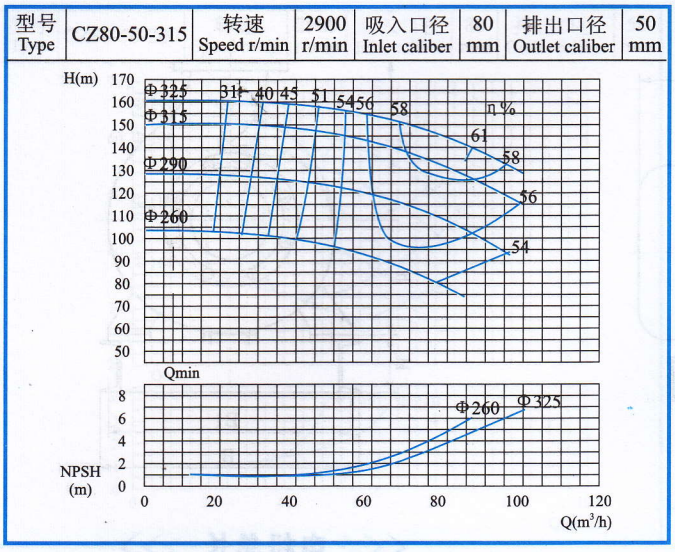
DN	ΦD	Φk	Φd	b	n-Φd1
Φ80	Φ200	Φ160	Φ132	24	8-Φ18
Φ50	Φ165	Φ125	Φ99	20	4-Φ18

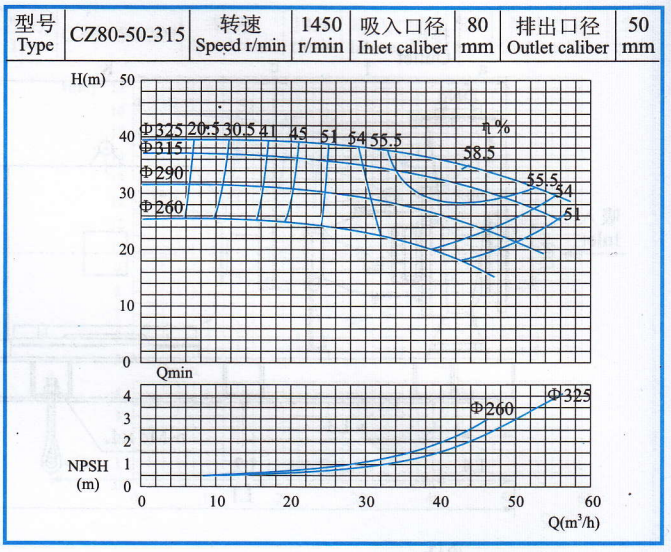
安装尺寸表 Installation dimensions table

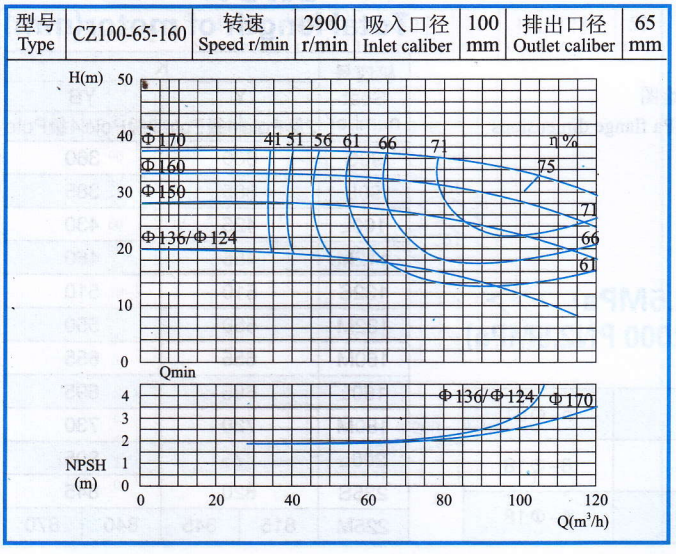
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ80-50-200	80	50	100	160	200	385	4	75	90S/L~112M	125	900	390	350	600	0	150	4-M12×250
									132S/M		1000	390	350	660	0	170	
									160M/L		1120	390	350	740	0	190	
									180M	155	1250	390	350	840	0	205	
CZ80-50-250	80	50	125	180	225	500	5	90	90S/L	125	1000	390	350	660	0	170	4-M12×250
									100L~132M		1120	390	350	740	0	190	
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16×400
								90	200L~225M	170	1400	440	400	940	0	230	

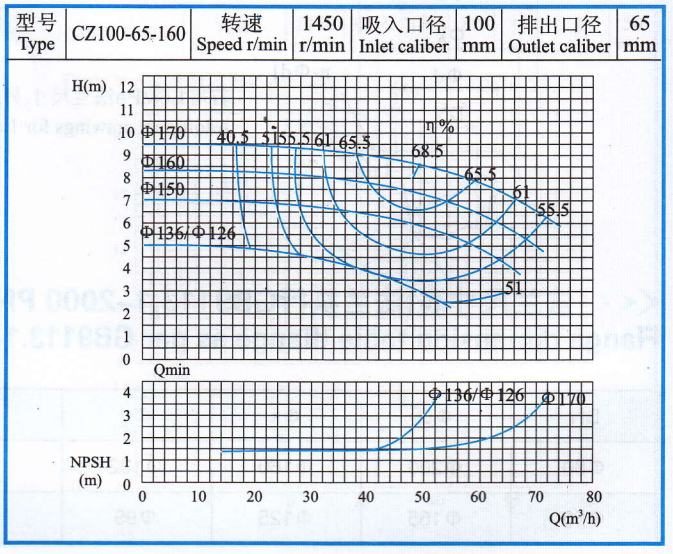
CZ系列国际标准化工泵

性能曲线 Performance curve





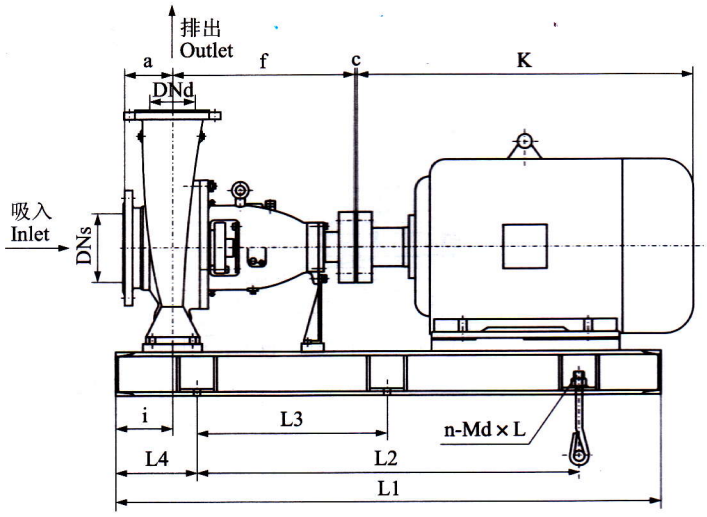


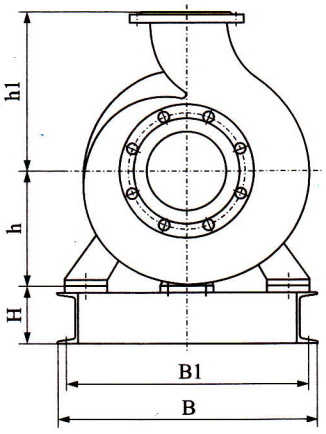


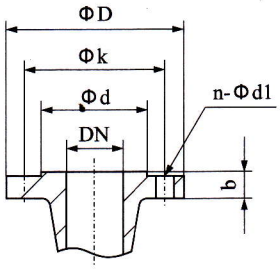
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight	流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ80-50-315	A	85	136	75			42	34	15	15	22
	B	75	135	55	75		42	32	11	15	18.5
	C	70	112	55	75		40	26	7.5	11	15
	D	65	90	37	55	75	36	22	7.5	11	11
CZ100-65-160	A	100	32	18.5	30	37	50	8	3	4	5.5
	B	90	32	15	22	30	48	7	3	4	5.5
	C	90	24	15	18.5	22	46	6	2.2	3	4
	D	80	15	7.5	11	15	38	4	2.2	2.2	3

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

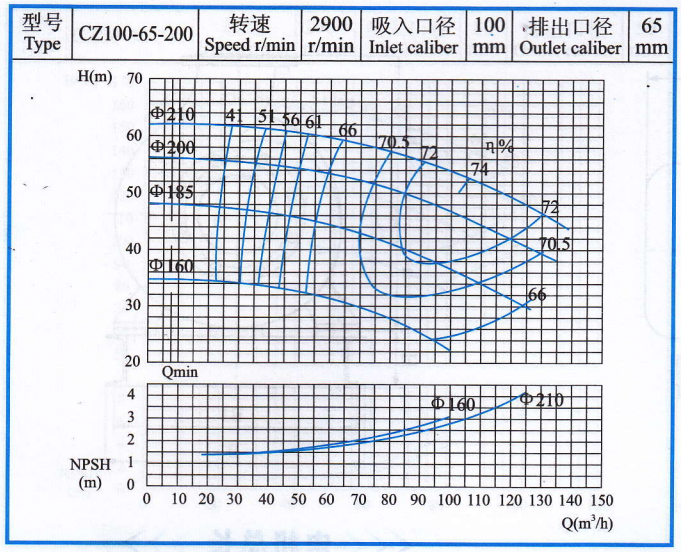
DN	ΦD	Φk	Φd	b	n-Φd1
Φ100	Φ235	Φ190	Φ156	24	8-Φ22
Φ80	Φ200	Φ160	Φ132	24	8-Φ18
Φ65	Φ185	Φ145	Φ118	22	8-Φ18
Φ50	Φ165	Φ125	Φ99	20	4-Φ18

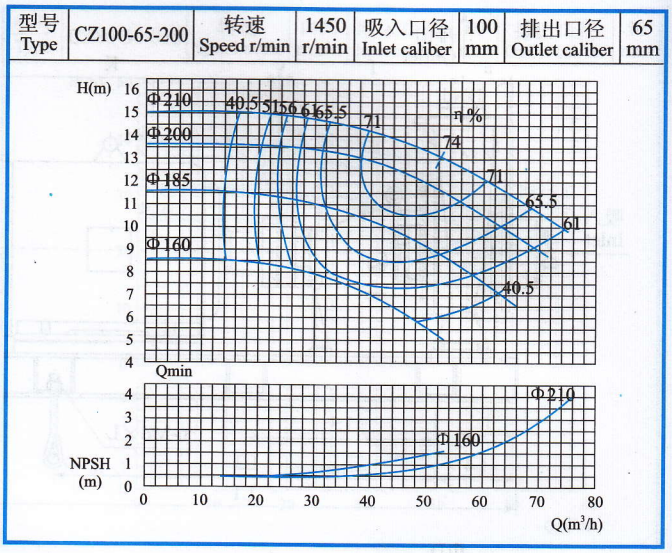
安装尺寸表 Installation dimensions table

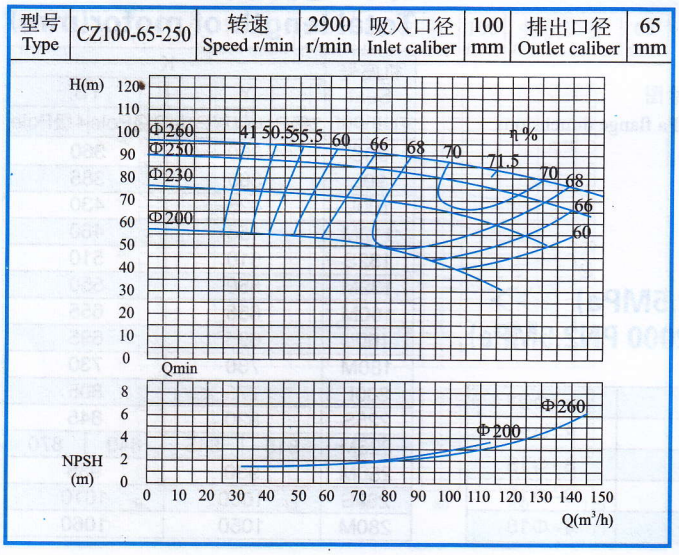
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ80-50-315	80	50	125	225	280	500	5	90	132S/M	125	1120	390	350	740	0	190	4-M12×250
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16×400
								90	200L	170	1400	440	400	940	0	230	
									225M		1400	530	490	940	0	230	
									250M	190	1600	600	550	1060	530	270	6-M16×400
									280S/M	230	1600	650	600	1060	530	270	
CZ100-65-160	100	65	100	160	200	500	5	90	90S/L	125	1000	390	350	660	0	170	4-M12×250
									100L~132M		1120	390	350	740	0	190	
									160M/L		1250	390	350	840	0	205	
								100	180M	160	1400	390	350	940	0	230	4-M16×400

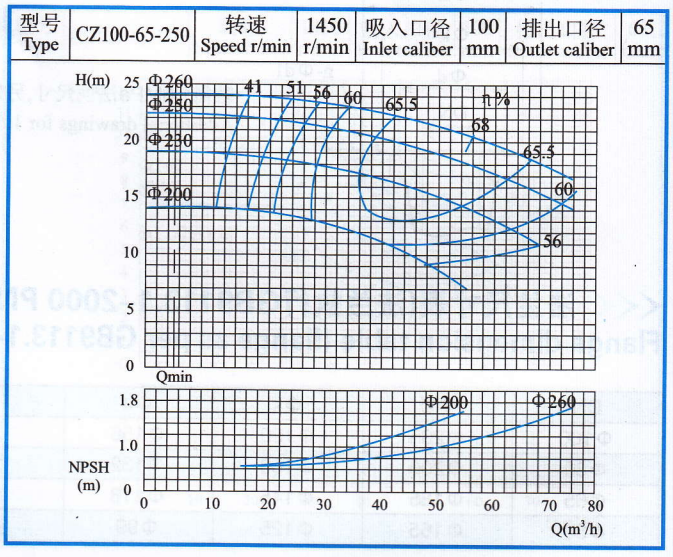
CZ系列国际标准化工泵

性能曲线 Performance curve





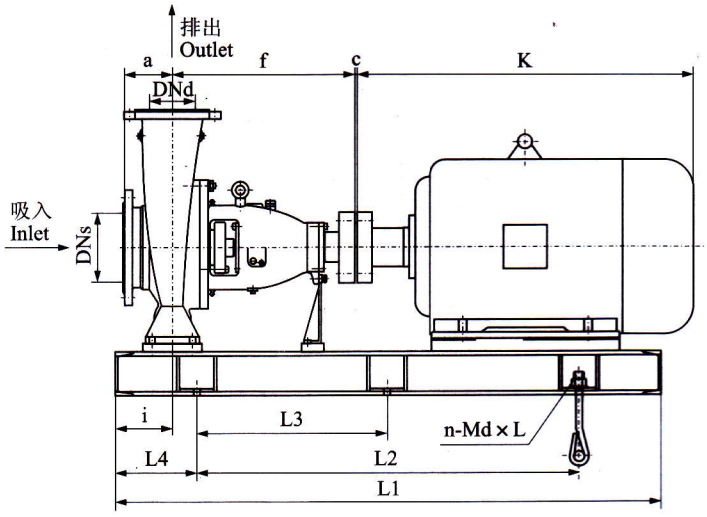


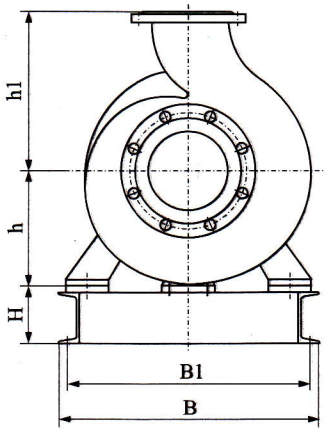


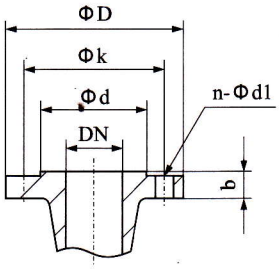
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ100-65-200	A	100	52	30	37	45	50	13	5.5	7.5	11
	B	90	48	22	30	45	46	12	4	5.5	7.5
	C	90	39	18.5	30	37	42	10	3	4	5.5
	D	70	30	15	18.5	30	36	8	2.2	3	4
CZ100-65-250	A	115	82	55	75		54	21	11	11	15
	B	115	75	45	55	75	50	19	7.5	11	15
	C	100	64	37	55	75	46	16	5.5	7.5	11
	D	80	50	30	37	45	40	12	4	5.5	7.5

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

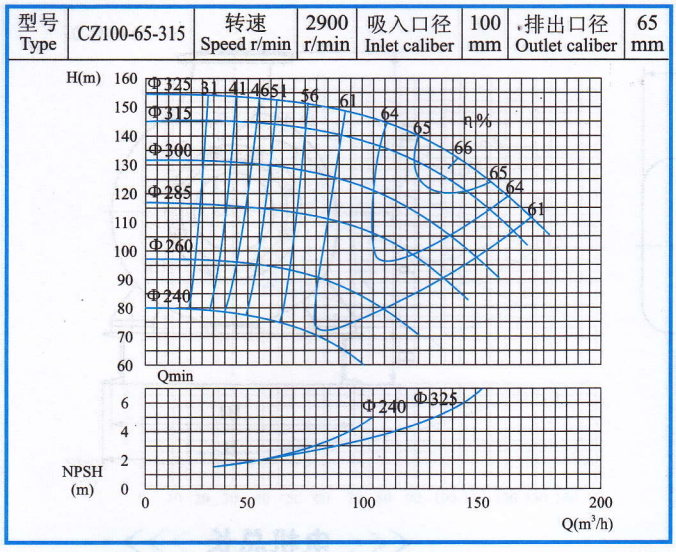
DN	ΦD	Φk	Φd	b	n-Φd1
Φ100	Φ235	Φ190	Φ156	24	8-Φ22
Φ65	Φ185	Φ145	Φ118	22	8-Φ18

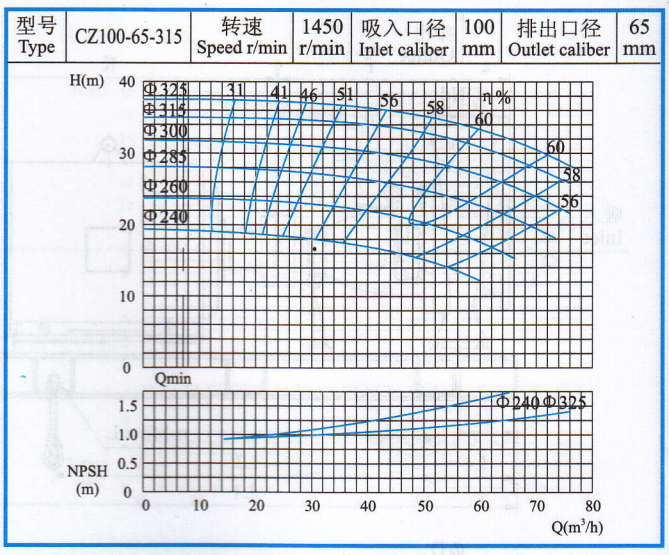
安装尺寸表 Installation dimensions table

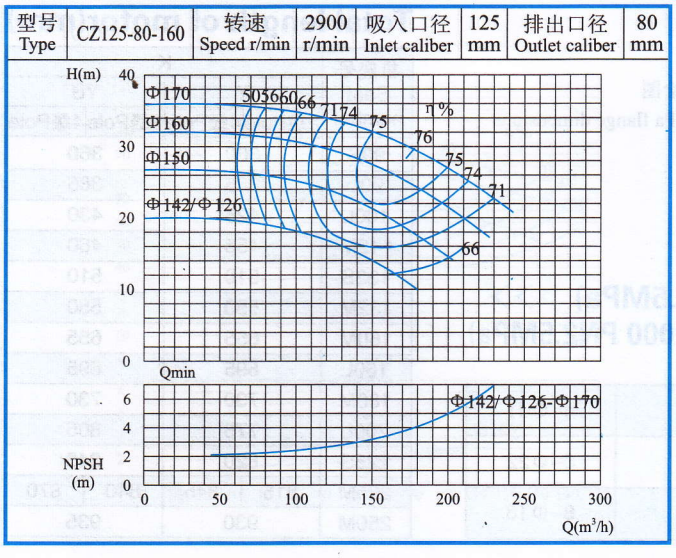
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ100-65-200	100	65	100	180	225	500	5	90	90S/L	125	1000	390	350	660	0	170	4-M12×250
									100L~132M		1120	390	350	740	0	190	
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16×400
								90	200L	170	1400	440	400	940	0	230	
CZ100-65-250	100	65	125	200	250	500	5	105	112M~132M	125	1120	390	350	740	0	190	4-M12×250
									160M/L		1250	390	350	840	0	205	
									180M	140	1400	390	350	940	0	230	4-M16×400
									200L		1400	440	400	940	0	230	
									225M	170	1400	530	490	940	0	230	
									250M	230	1600	600	550	1060	530	270	6-M16×400

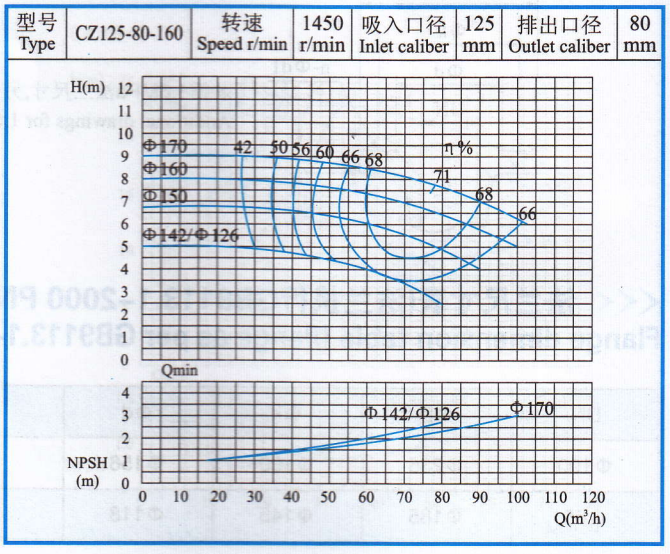
CZ系列国际标准化工泵

性能曲线 Performance curve





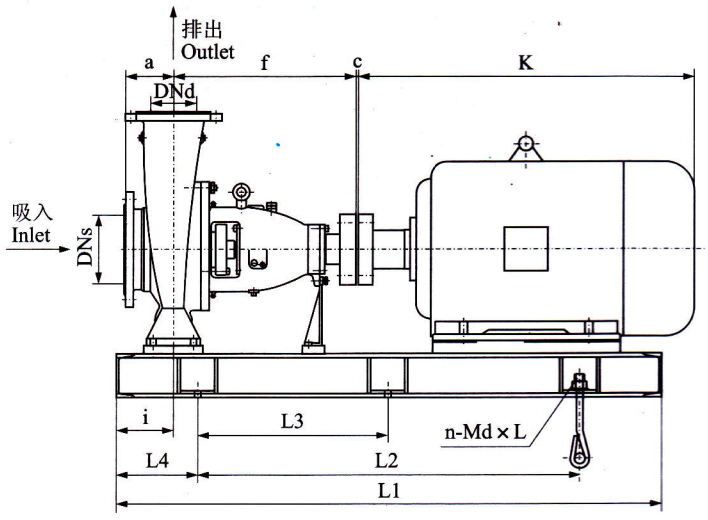


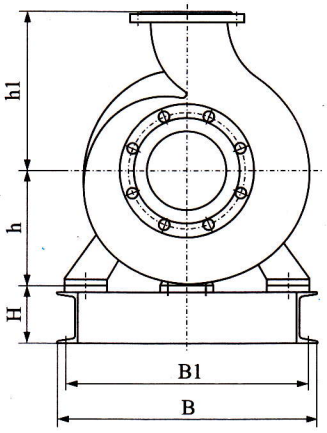


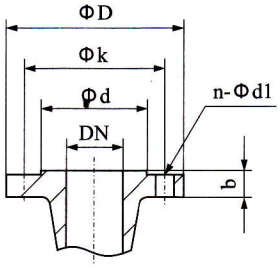
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m^3/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ100-65-315	A	135	130	90	110	160	64	31	15	18.5	30
	B	130	125	90	110	160	61	30	15	18.5	22
	C	115	115	75	110	132	56	28	11	15	18.5
	D	110	102	75	90	110	54	23	11	11	15
	E	90	85	55	75	90	52	20	7.5	11	15
	F	75	70	37	45	75	50	16	5.5	7.5	11
CZ125-80-160	A	170	29	30	37	55	75	7.5	4	5.5	7.5
	B	160	26	22	30	45	70	7	3	4	5.5
	C	150	21	18.5	22	30	70	5	2.2	3	4
	D	130	16	15	18.5	22	65	4	2.2	2.2	3

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	
315S	1260	1200	1260	1200
315M	1280	1200	1390	1340

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

DN	ΦD	Φk	Φd	b	n-Φd1
Φ125	Φ270	Φ220	Φ184	26	8-Φ26
Φ100	Φ235	Φ190	Φ156	24	8-Φ22
Φ80	Φ200	Φ160	Φ132	24	8-Φ18
Φ65	Φ185	Φ145	Φ118	22	8-Φ18

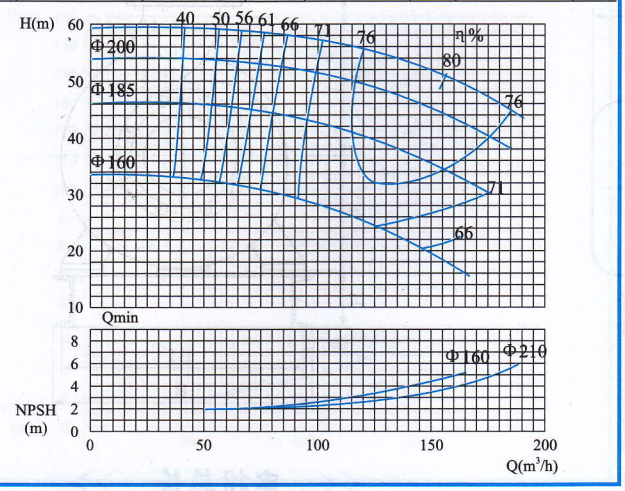
安装尺寸表 Installation dimensions table

泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions								
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ100-65-315	100	65	125	225	280	530	5	105	132S/M	125	1250	440	400	840	0	205	4-M12×250
									160M~180M	140	1400	440	400	940	0	230	4-M16×400
									200L	170	1400	440	400	940	0	230	
									225M		1600	530	490	1060	530	270	6-M16×400
									250M	190	1600	600	550	1060	530	270	
									280S/M	230	1600	650	600	1060	530	270	
								195	315S/M	250	1800	720	670	1200	600	300	
CZ100-80-160	125	80	125	180	225	500	5	90	90S/L	125	1000	390	350	660	0	170	4-M12×250
									100L~132M		1120	390	350	740	0	190	
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16×400
								90	200L	170	1400	440	400	940	0	230	

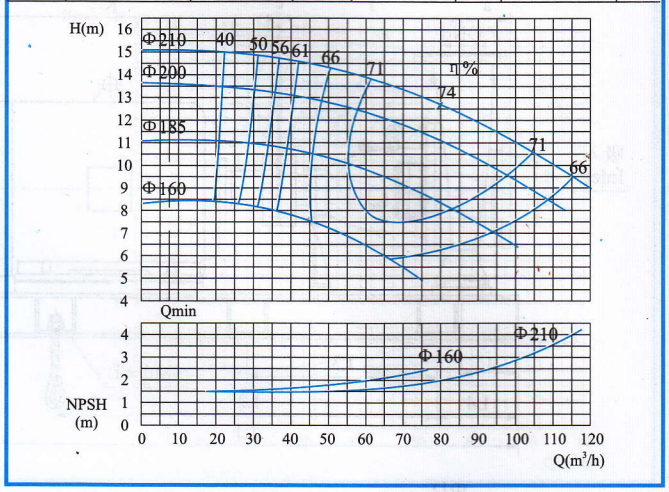
CZ系列国际标准化工泵

性能曲线 Performance curve

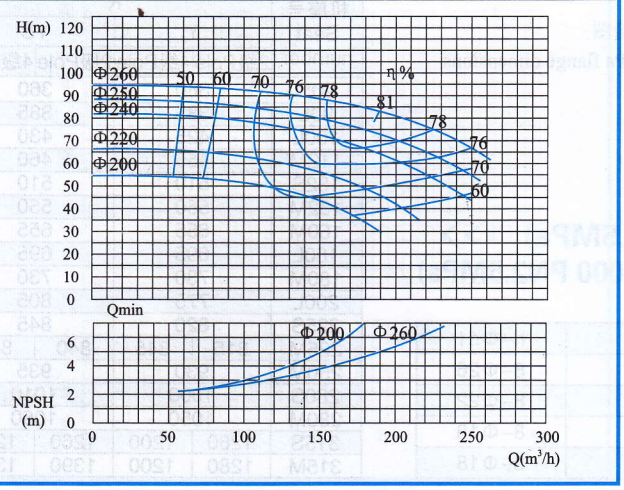
型号 Type	CZ125-80-200	转速 Speed r/min	2900 r/min	吸入口径 Inlet caliber	125 mm	排出口径 Outlet caliber	80 mm



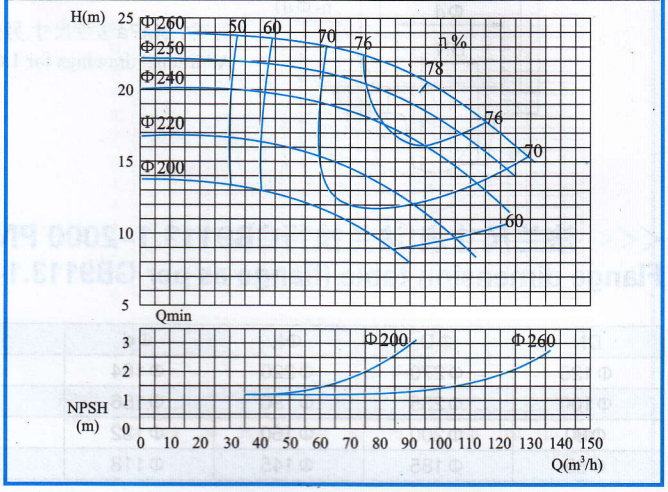
型号 Type	CZ125-80-200	转速 Speed r/min	1450 r/min	吸入口径 Inlet caliber	125 mm	排出口径 Outlet caliber	80 mm



型号 Type	CZ125-80-250	转速 Speed r/min	2900 r/min	吸入口径 Inlet caliber	125 mm	排出口径 Outlet caliber	80 mm



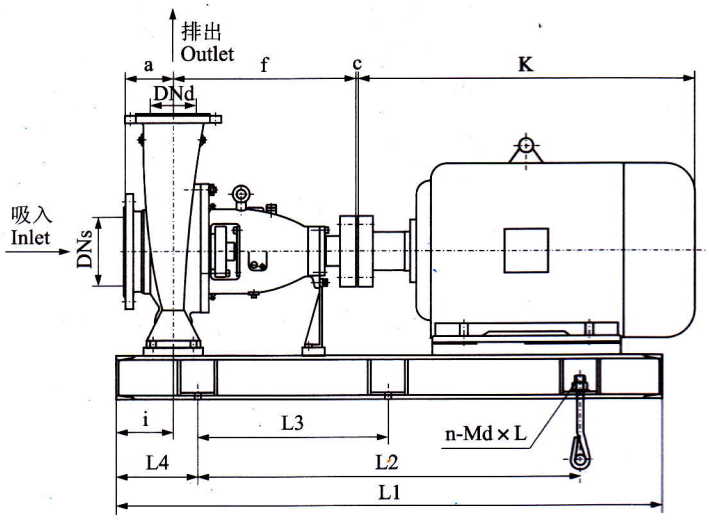
型号 Type	CZ125-80-250	转速 Speed r/min	1450 r/min	吸入口径 Inlet caliber	125 mm	排出口径 Outlet caliber	80 mm

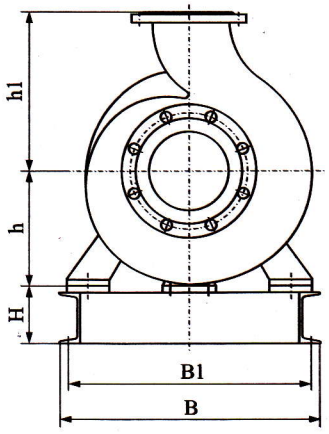


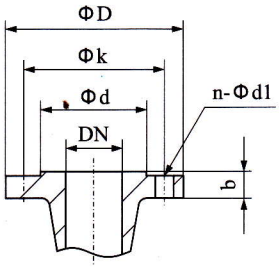
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ125-80-200	A	150	50	37	55	75	80	12	7.5	11	15
	B	140	47	37	45	55	75	11	7.5	11	11
	C	130	38	30	37	45	65	9.5	5.5	7.5	11
	D	110	28	18.5	30	37	60	7	3	4	5.5
CZ125-80-250	A	190	80	75			95	20	11	15	18.5
	B	180	75	55	75		90	19	11	15	18.5
	C	170	70	55	75		85	17	11	11	15
	D	150	57	37	55	75	75	14	7.5	11	15
	E	130	47	30	45	55	70	11	5.5	7.5	11

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

DN	ΦD	Φk	Φd	b	n-Φd1
Φ125	Φ270	Φ220	Φ184	26	8-Φ26
Φ80	Φ200	Φ160	Φ132	24	8-Φ18

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
90S	360		360	
90L	385		385	
100L	425		430	
112M	455		460	
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	

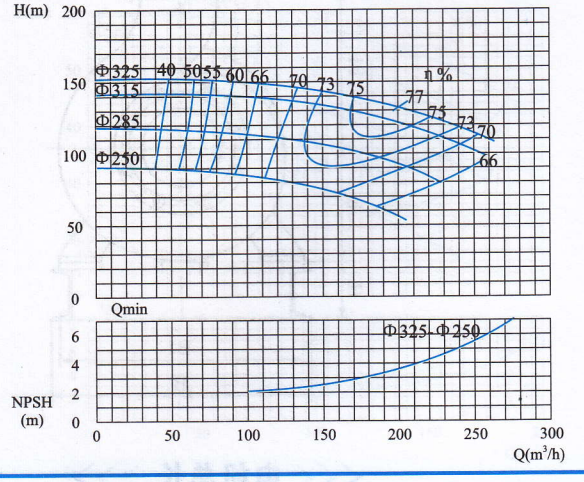
安装尺寸表 Installation dimensions table

泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions								
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ125-80-200	125	80	125	180	250	500	5	90	90S/L	125	1000	390	350	660	0	170	4-M12×250
									100L~132M		1120	390	350	740	0	190	
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16×400
								90	200L~225M	170	1400	440	400	940	0	230	
CZ125-80-250	125	80	125	225	280	500	5	105	132S/M	125	1120	440	400	740	0	190	4-M12×250
									160M/L		1250	440	400	840	0	205	
									180M	140	1400	440	400	940	0	230	4-M16×400
									200L	170	1400	440	400	940	0	230	
									225M		1400	530	490	940	0	230	
									250M	190	1600	600	550	1060	530	270	6-M16×400
									280S/M	230	1600	650	600	1060	530	270	

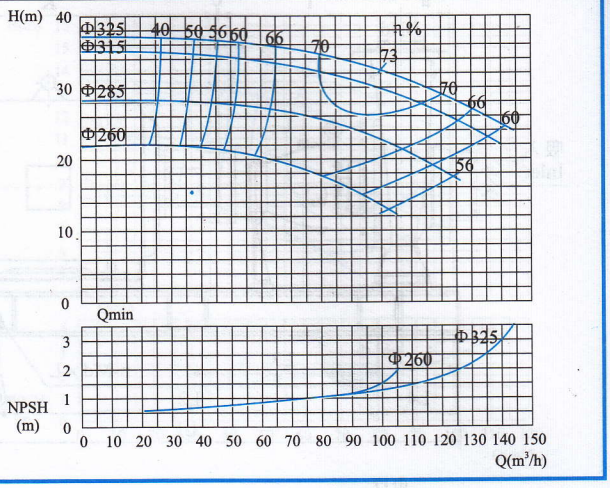
CZ系列国际标准化工泵

性能曲线 Performance curve

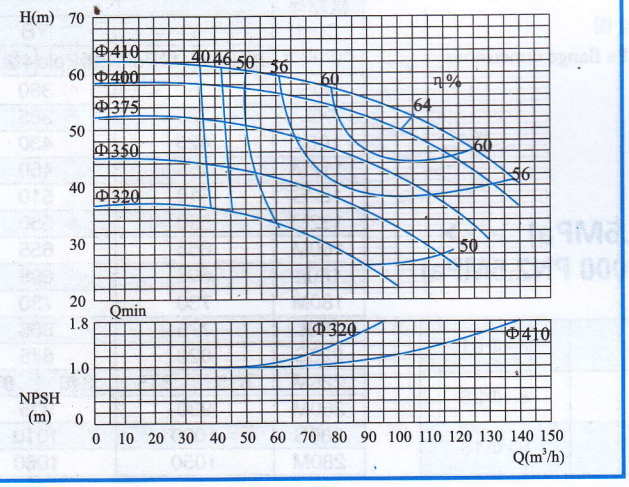
型号 Type	CZ125-80-315	转速 Speed r/min	2900 r/min	吸入口径 Inlet caliber	125 mm	排出口径 Outlet caliber	80 mm



型号 Type	CZ125-80-315	转速 Speed r/min	1450 r/min	吸入口径 Inlet caliber	125 mm	排出口径 Outlet caliber	80 mm



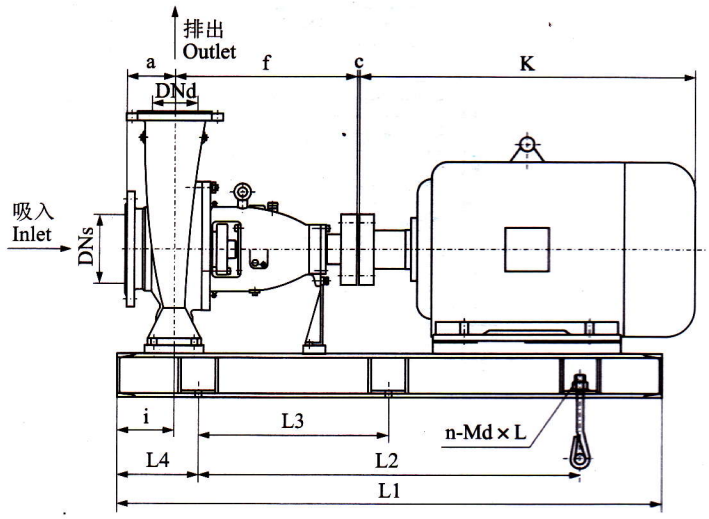
型号 Type	CZ125-80-400	转速 Speed r/min	1450 r/min	吸入口径 Inlet caliber	125 mm	排出口径 Outlet caliber	80 mm

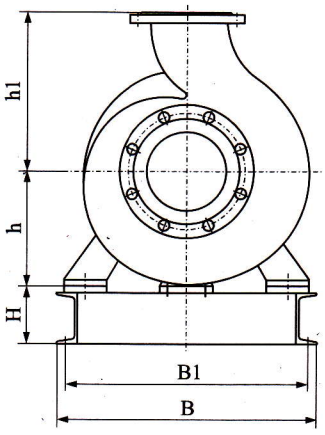


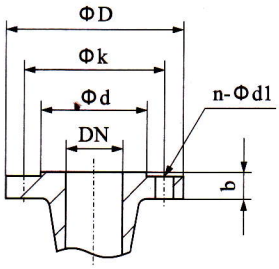
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight	流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ125-80-315	A	200	130	110	160		100	32	18.5	30	37
	B	180	125	110	132		95	30	18.5	30	37
	C	160	105	75	90	132	85	25	15	18.5	30
	D	150	75	55	75	90	70	20	11	11	15
CZ125-80-400	A						105	51	30	37	55
	B						100	50	30	37	55
	C						90	44	30	37	45
	D						80	38	22	30	37
	E						75	30	18.5	22	30

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	
315S	1260	1200	1260	1200
315M	1280	1200	1390	1340

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

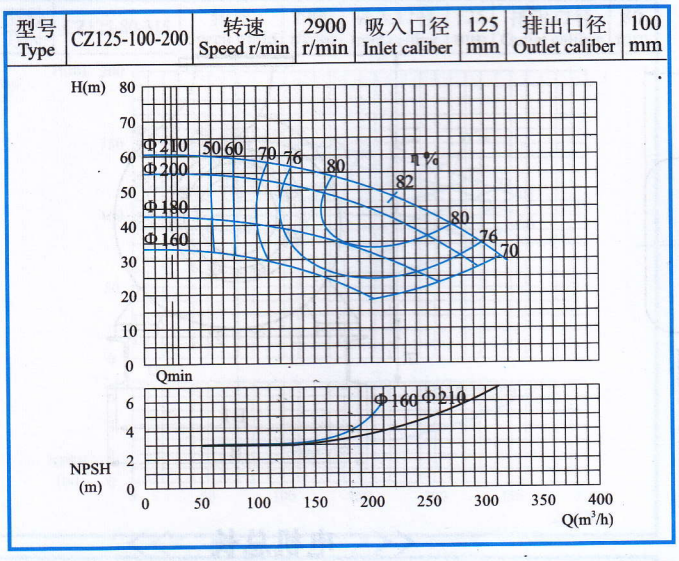
DN	ΦD	Φk	Φd	b	n-Φd1
Φ125	Φ270	Φ220	Φ184	26	8-Φ26
Φ80	Φ200	Φ160	Φ132	24	8-Φ18

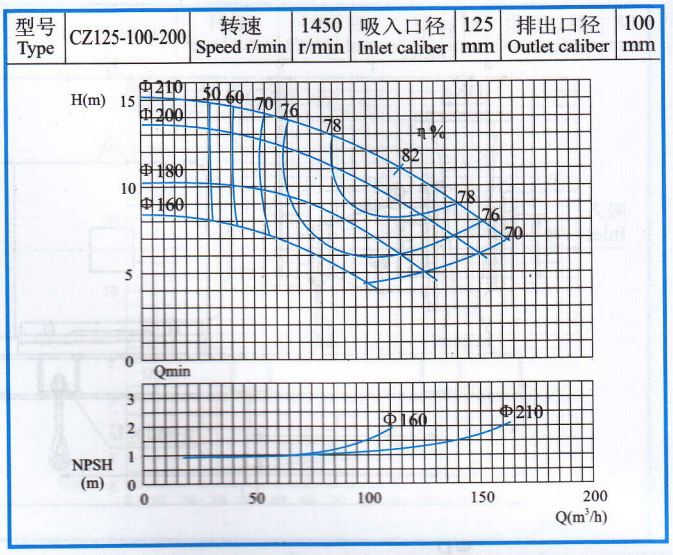
安装尺寸表 Installation dimensions table

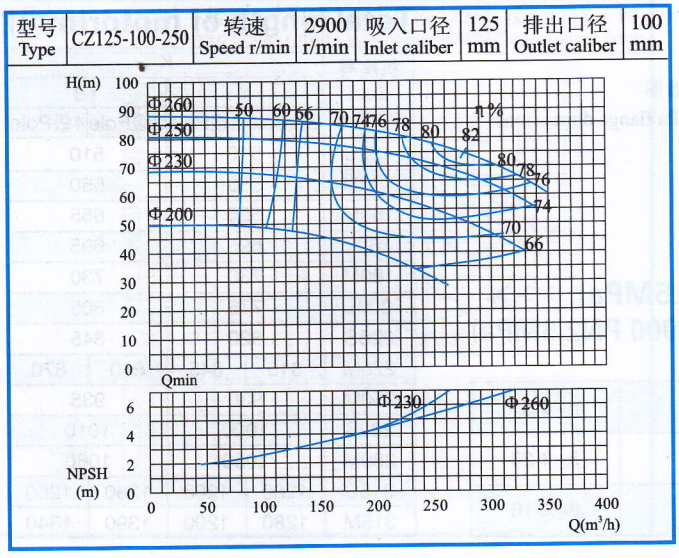
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions								
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ125-80-315	125	80	125	250	315	530	5	105	132S/M	125	1250	440	400	840	0	205	4-M12×250
									160M~180M	140	1400	440	400	940	0	230	4-M16×400
									200L	170	1400	440	400	940	0	230	
									225M	170	1600	530	490	1060	530	270	6-M16×400
									250M	190	1600	600	550	1060	530	270	
									280S/M	230	1600	650	600	1060	530	270	
								195	315S/M	230	1800	720	670	1200	600	300	
CZ125-80-400	125	80	125	280	355	530	5	105	132S~200L	140	1400	530	490	940	0	230	4-M16×400
									225S/M	170	1600	530	490	1060	530	270	6-M16×400

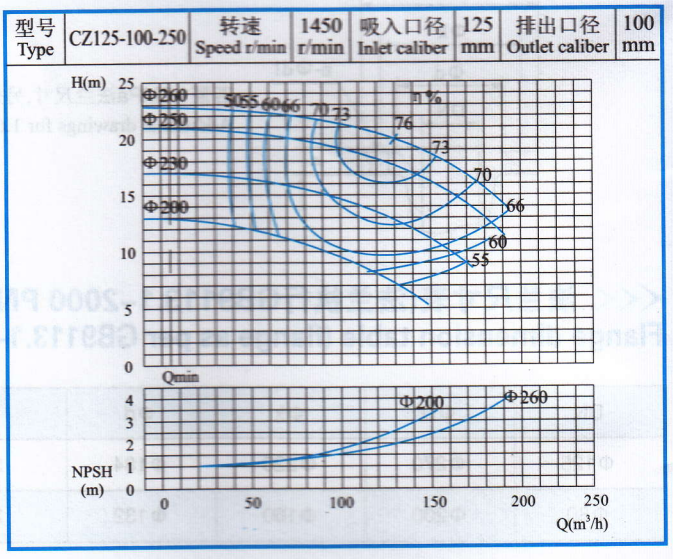
CZ系列国际标准化工泵

性能曲线 Performance curve





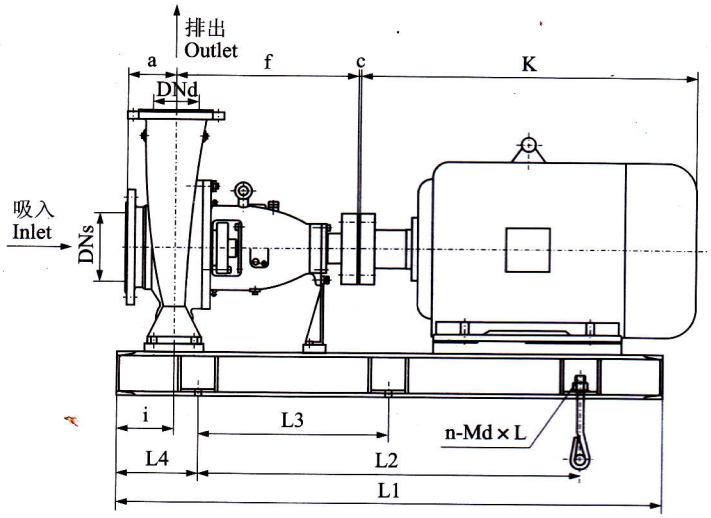


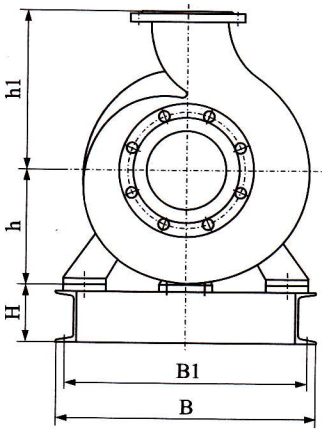


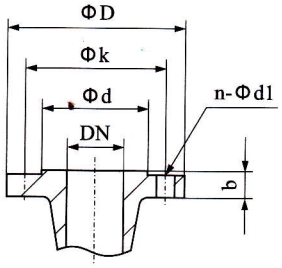
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight	流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ125-100-200	A	220	46	45	55	75	115	11	7.5	11	11
	B	200	44	37	55	75	100	10	5.5	7.5	11
	C	180	34	30	37	55	90	8	5.5	7.5	11
	D	150	25	22	30	37	80	6	4	5.5	7.5
CZ125-100-250	A	280	73	90	110	160	130	20	15	22	30
	B	250	70	75	110	132	130	18	15	18.5	30
	C	230	56	75	90	132	120	14	11	15	22
	D	200	40	45	55	75	100	11	7.5	11	15

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	
315S	1260	1200	1260	1200
315M	1280	1200	1390	1340

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

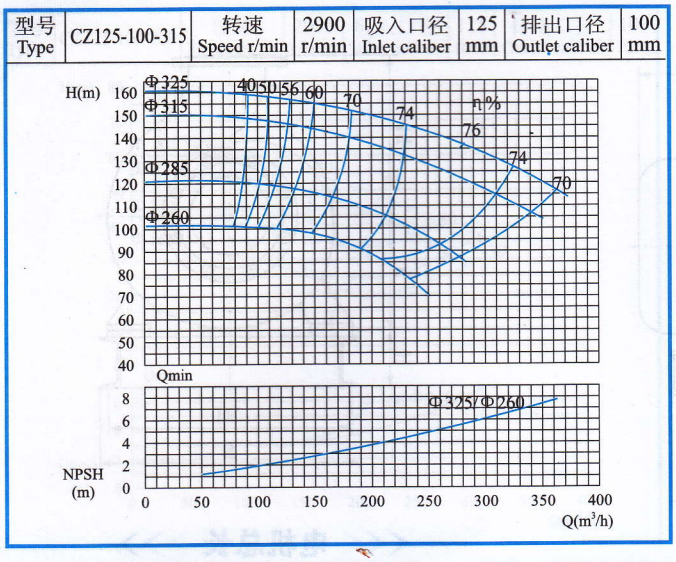
DN	ΦD	Φk	Φd	b	n-Φd1
Φ125	Φ270	Φ220	Φ184	26	8-Φ26
Φ100	Φ235	Φ190	Φ156	24	8-Φ22

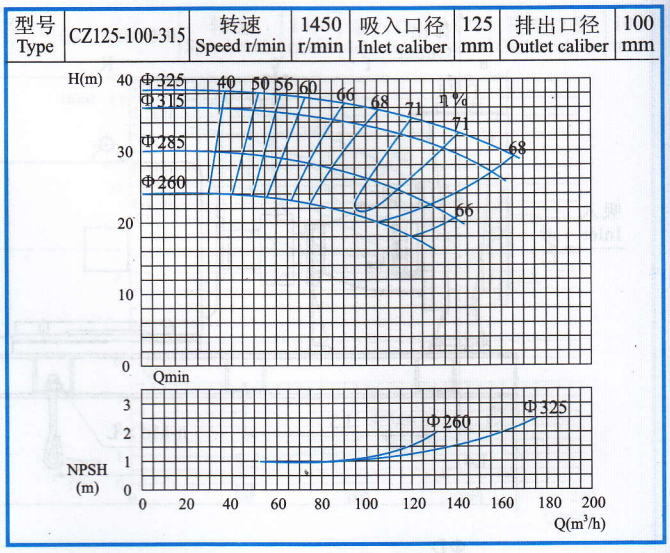
安装尺寸表 Installation dimensions table

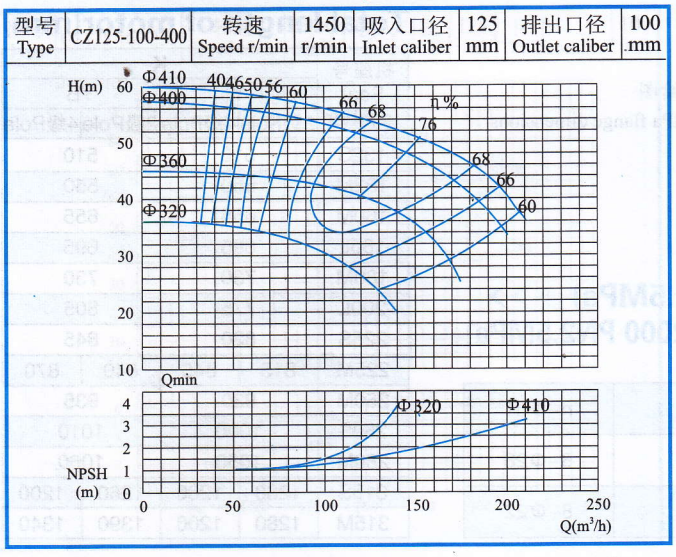
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions								
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ125-100-200	125	100	125	200	280	500	5	105	132S/M	125	1120	390	350	740	0	190	4-M12×250
									160M/L		1250	390	350	840	0	205	
									180M	140	1400	390	350	940	0	230	4-M16×400
									200L		1400	440	400	940	0	230	
									225M	170	1400	530	490	940	0	230	
									250M	230	1600	600	550	1060	530	270	6-M16×400
									280S/M	250	1600	650	600	1060	530	270	
CZ125-100-250	125	100	140	225	280	530	5	105	132S/M	125	1250	440	400	840	0	205	4-M12×250
									160M/L	140	1400	440	400	940	0	230	4-M16×400
									180M		1400	440	400	940	0	230	
									200L	170	1400	440	400	940	0	230	
									225M		1600	530	490	1060	530	270	6-M16×400
									250M	190	1600	600	550	1060	530	270	
									280S/M	230	1600	650	600	1060	530	270	
									315S/M	250	1800	720	670	1200	600	300	

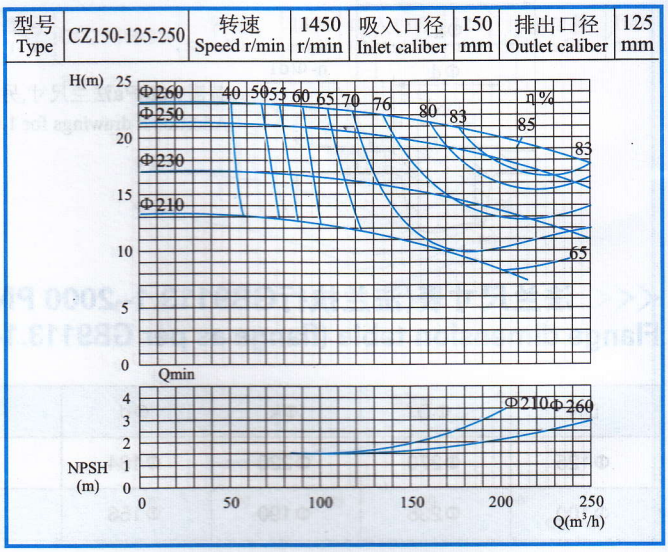
CZ系列国际标准化工泵

性能曲线 Performance curve





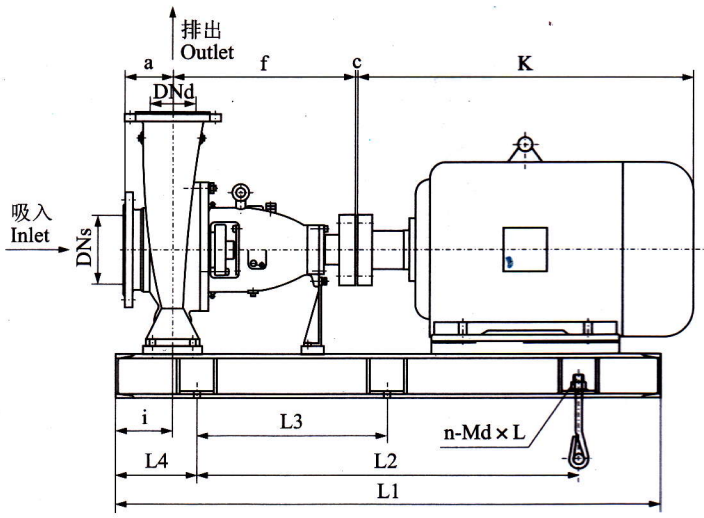


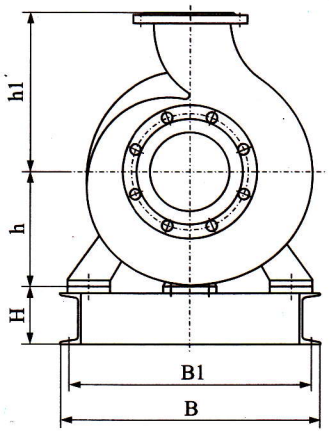


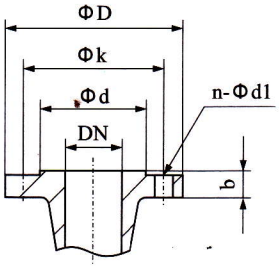
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ125-100-315	A	270	136	160			132	32	30	30	37
	B	250	128	132	200		120	30	18.5	30	37
	C	230	100	110	132		100	26	15	18.5	30
	D	200	85	75	110	132	90	22	15	15	18.5
CZ125-100-400	A						150	50	45	55	75
	B						140	48	37	55	75
	C						120	40	30	37	55
	D						100	32	22	30	37
CZ150-125-250	A						200	20	18.5	30	37
	B						200	18	18.5	22	30
	C						190	14	15	18.5	30
	D						160	11	11	15	15

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	
315S	1260	1200	1260	1200
315M	1280	1200	1390	1340

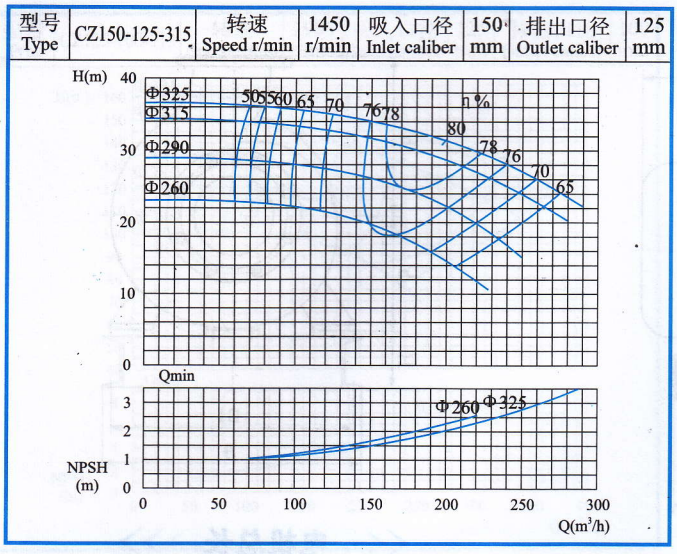
法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

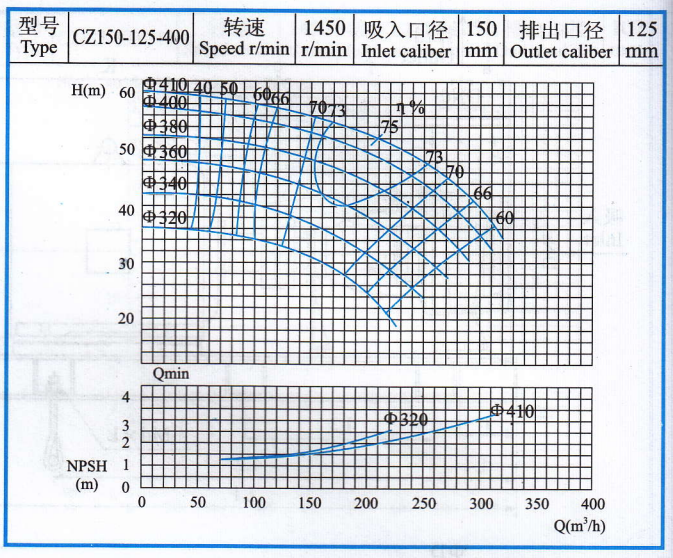
DN	ΦD	Φk	Φd	b	n-Φd1
Φ150	Φ300	Φ250	Φ211	28	8-Φ26
Φ125	Φ270	Φ220	Φ184	26	8-Φ26
Φ100	Φ235	Φ190	Φ156	24	8-Φ22

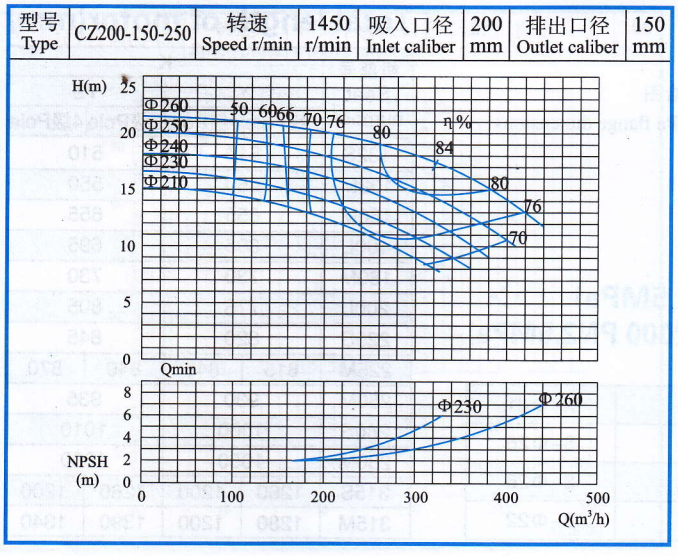
安装尺寸表 Installation dimensions table

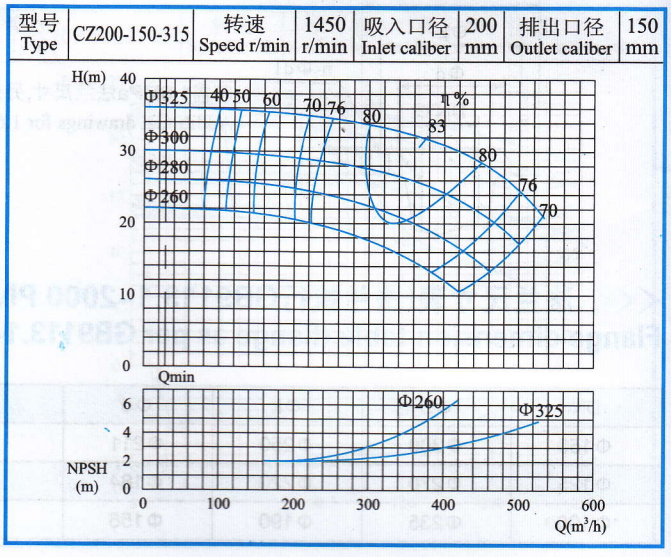
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions								
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ125-100-315	125	100	140	250	315	530	5	105	132S/M	125	1250	440	400	840	0	205	4-M12×250
									160M~180M	140	1400	440	400	940	0	230	4-M16×400
									200L	170	1400	440	400	940	0	230	
									225M		1600	530	490	1060	530	270	6-M16×400
									250M	190	1600	600	550	1060	530	270	
									280S/M	230	1600	650	600	1060	530	270	
								195	315S/M		1800	720	670	1200	600	300	
CZ125-100-400	125	100	140	280	355	530	5	125	160M~180M	140	1400	530	490	940	0	230	4-M16×400
									200L		1600	530	490	1060	530	270	6-M16×400
									225M	170	1600	530	490	1060	530	270	
CZ150-125-250	150	125	140	250	355	530	5	105	132S/M	125	1250	440	400	840	0	205	4-M12×250
									160M~180M	140	1400	440	400	940	0	230	4-M16×400

性能曲线 Performance curve





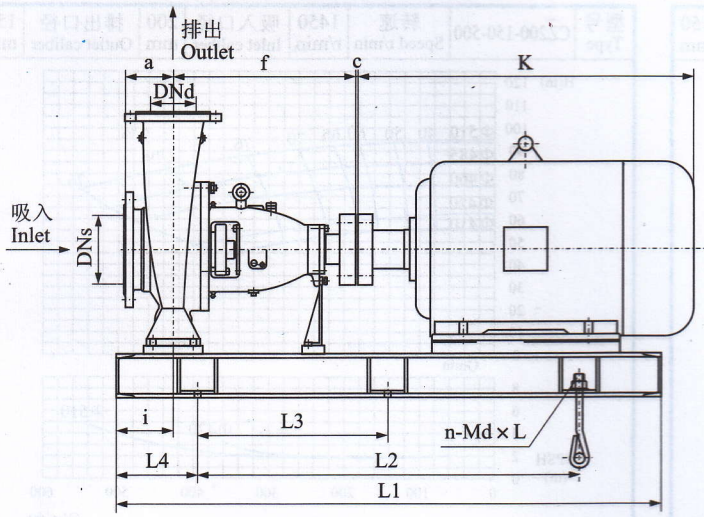


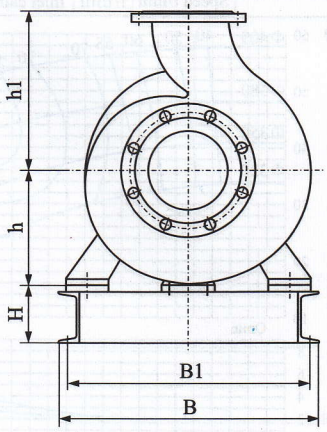


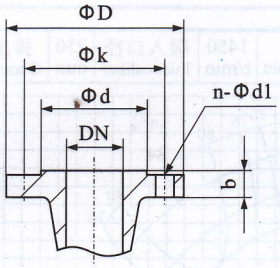
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min 流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight	泵额定转速 Pump's rated rotation speed n=1450r/min 流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW 比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ150-125-315	A						200	30	30	37	55
	B						180	29	30	37	55
	C						170	25	22	30	45
	D						160	18	15	22	30
CZ150-125-400	A						220	50	55	75	110
	B						200	48	55	75	90
	C						180	45	45	55	75
	D						170	42	37	55	75
	E						150	37	30	45	55
	F						150	32	30	37	45
CZ200-150-250	A						320	17	30	37	45
	B						300	15	22	30	45
	C						280	13	18.5	30	37
	D						260	12	15	22	30
	E						240	11	15	18.5	22
CZ200-150-315	A						380	30	55	75	90
	B						340	26	45	55	75
	C						320	21	37	45	55
	D						300	17	30	37	45

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

DN	ΦD	Φk	Φd	b	n-Φd1
Φ200	Φ360	Φ310	Φ274	30	12-Φ26
Φ150	Φ300	Φ250	Φ211	28	8-Φ26
Φ125	Φ270	Φ220	Φ184	26	8-Φ26

电机总长
Total length of motor(mm)

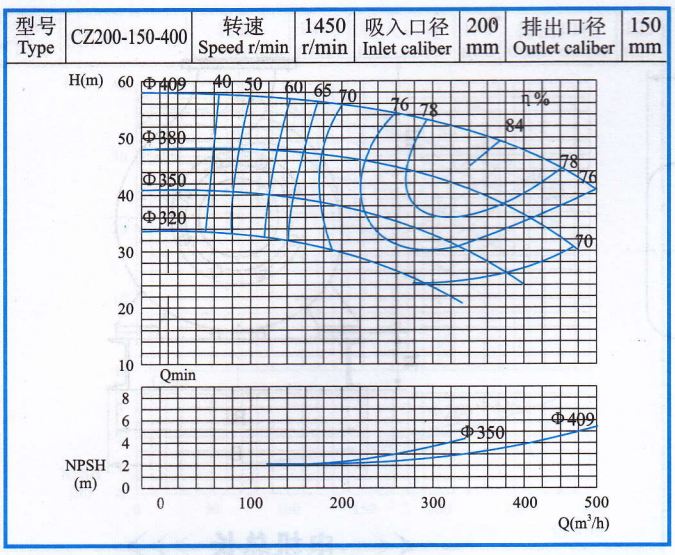
机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
132S	510		510	
132M	550		550	
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	

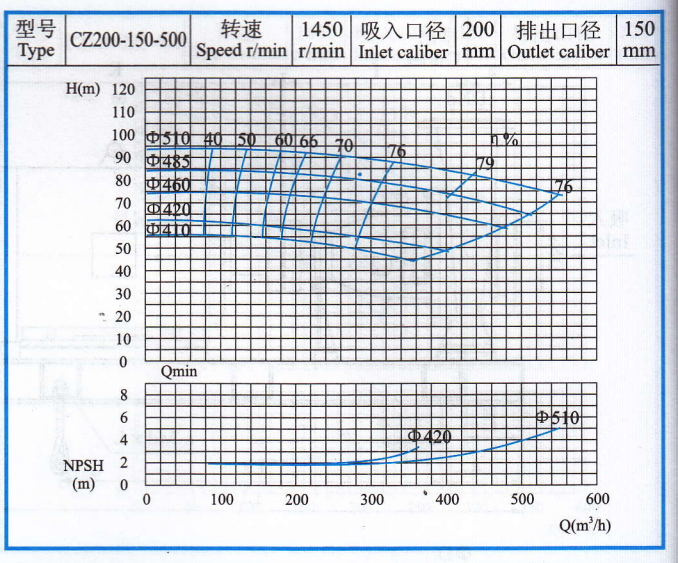
安装尺寸表 Installation dimensions table

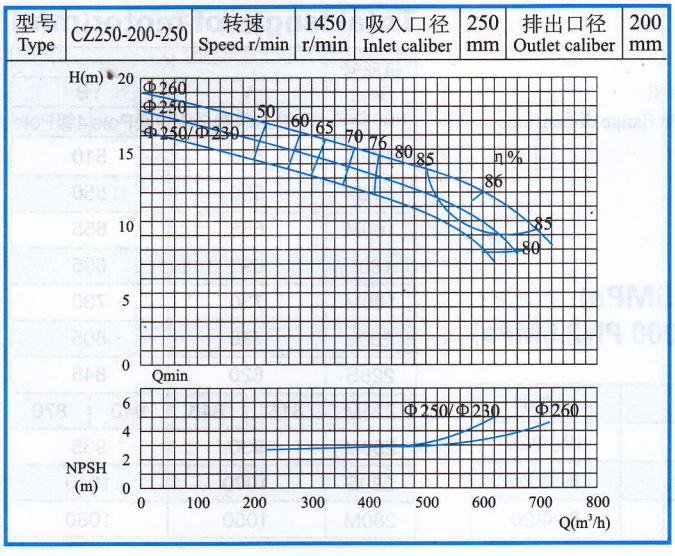
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ150-125-315	150	125	140	280	355	530	5	125	160M~180M	140	1400	530	490	940	0	230	4-M16×400
									200L~225M		1600	530	490	1060	530	270	6-M16×400
CZ150-125-400	150	125	140	315	400	530	5	125	160M~180M	140	1400	530	490	940	0	230	4-M16×400
									200L~225M	170	1600	530	490	1060	530	270	6-M16×400
									250M	190	1600	600	550	1060	530	270	
									280S/M	230	1600	650	600	1060	530	270	
CZ200-150-250	200	150	160	280	375	530	5	125	132S/M	160	1400	650	600	940	0	230	4-M16×400
									160M~225M		1600	650	600	1060	530	270	6-M16×400
CZ200-150-315	200	150	160	315	400	670	6	125	160M~225M	160	1800	720	670	1200	600	300	6-M16×400
								120	280S/M		1800	720	670	1200	600	300	

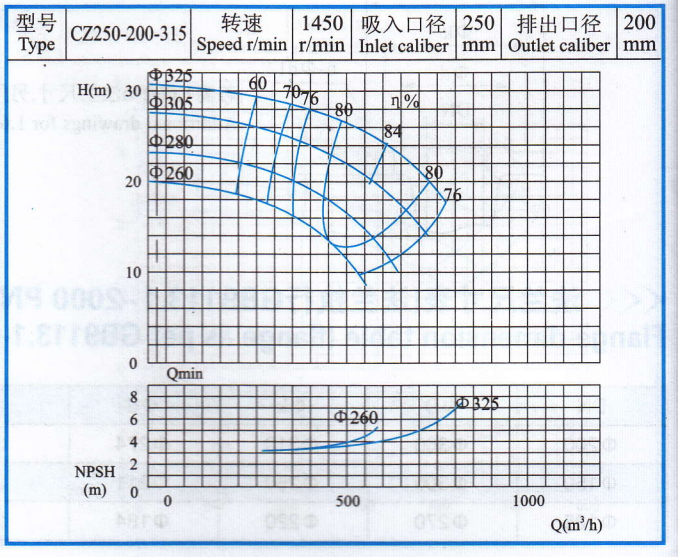
CZ系列国际标准化工泵

性能曲线 Performance curve





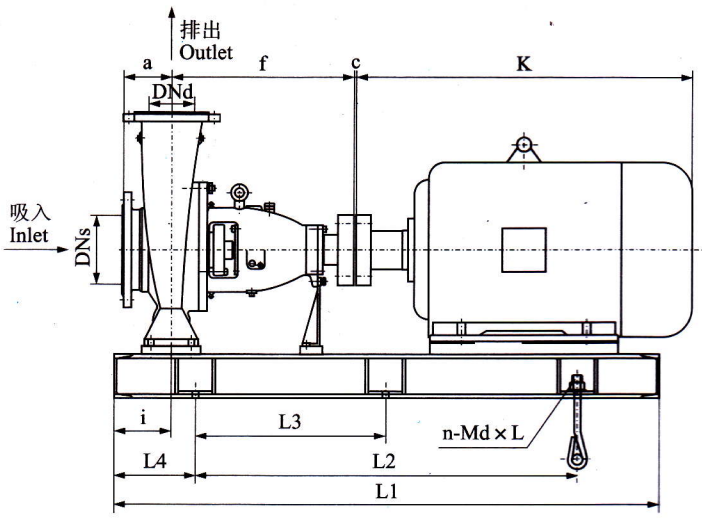


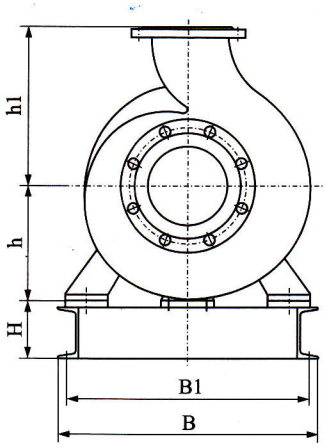


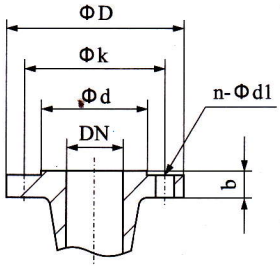
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ200-150-400	A						400	48	75	110	132
	B						340	42	75	90	110
	C						300	34	55	75	90
	D						260	28	45	55	75
CZ200-150-500	A						420	80	160		
	B						400	74	132	160	
	C						360	65	110	160	
	D						340	52	75	110	132
	E						300	48	75	90	110
CZ250-200-250	A						600	12	30	37	55
	B						540	11	30	37	55
	C						500	10	30	37	45
CZ250-200-315	A						650	24	75	90	110
	B						600	20	55	75	90
	C						550	16	37	55	75
	D						500	14	30	45	55

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
160M	655		655	
160L	695		695	
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	
315S	1260	1200	1260	1200
315M	1280	1200	1390	1340

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

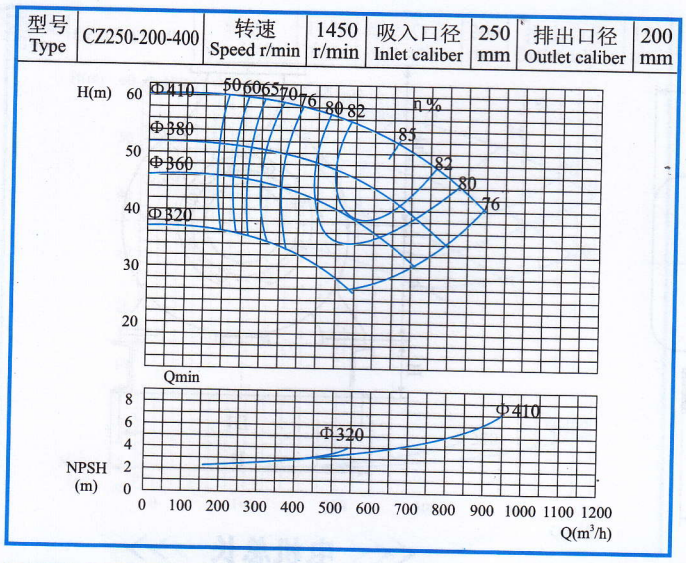
DN	ΦD	Φk	Φd	b	n-Φd1
Φ250	Φ425	Φ370	Φ330	32	12-Φ30
Φ200	Φ360	Φ310	Φ274	30	12-Φ26
Φ150	Φ300	Φ250	Φ211	28	8-Φ26

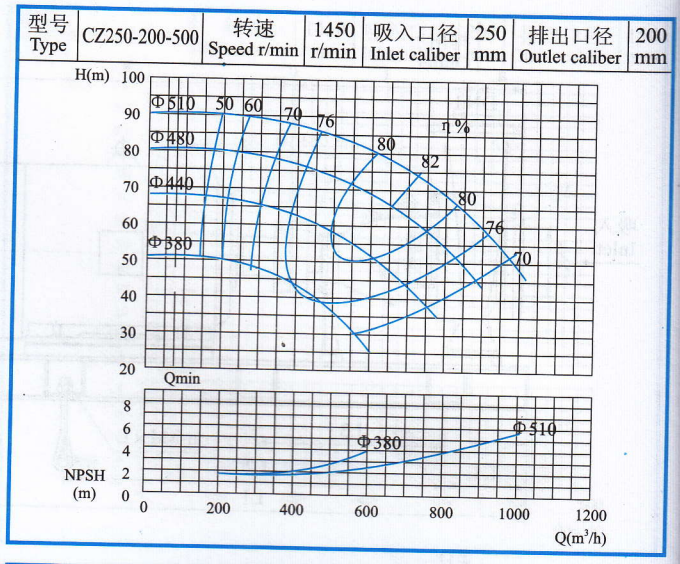
安装尺寸表 Installation dimensions table

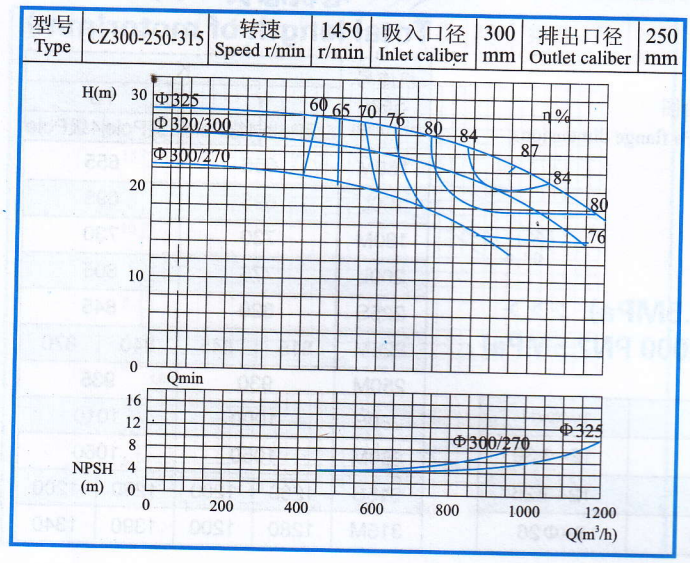
泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ200-150-400	200	150	160	315	450	670	6	125	180M~250M	160	1800	720	670	1200	600	300	6-M16×400
								120	280S/M		1800	720	670	1200	600	300	
									315S/M		2000	720	670	1400	700	300	
CZ200-150-500	200	150	180	375	500	670	6	125	180M~250M	160	1800	720	670	1200	600	300	6-M16×400
								120	280S/M		1800	720	670	1200	600	300	
								210	315S/M	190	2000	720	670	1400	700	300	
CZ250-200-250	250	200	180	315	425	560	5	125	160M/L	160	1400	650	600	940	0	230	4-M16×400
									180M~225S		1600	650	600	1060	530	270	6-M16×400
CZ250-200-315	250	200	200	355	450	670	6	125	160M~250M	160	1800	720	670	1200	600	300	6-M16×400
								120	280S/M		1800	720	670	1200	600	300	

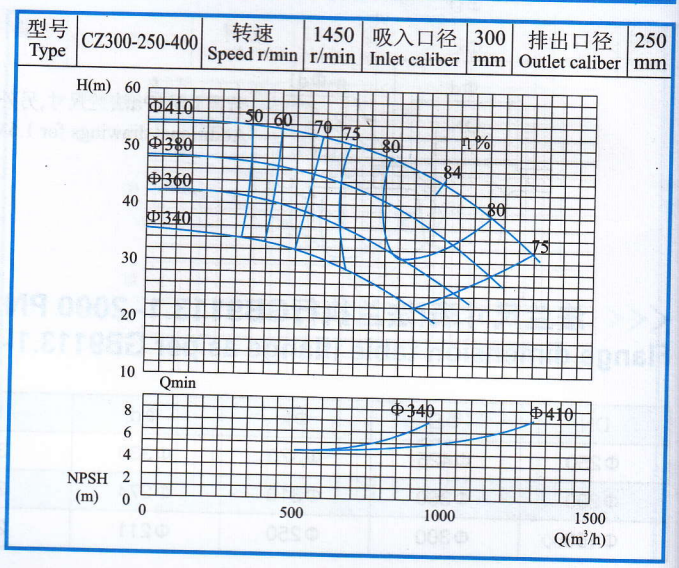
CZ系列国际标准化工泵

性能曲线 Performance curve





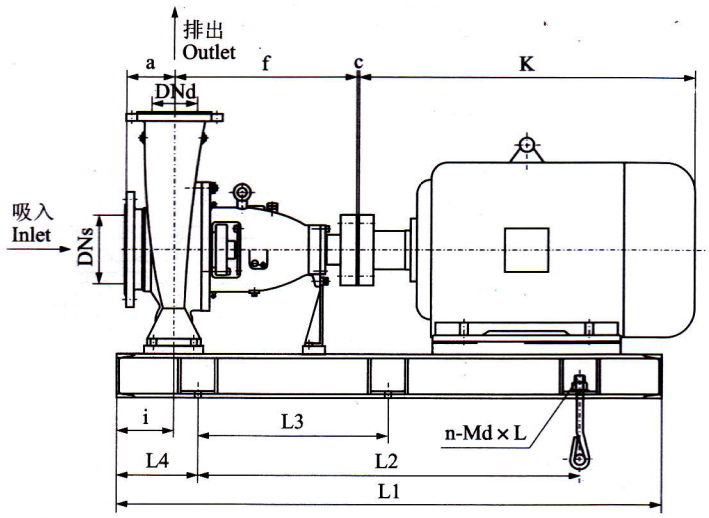


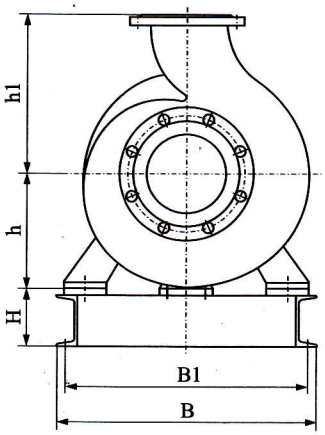


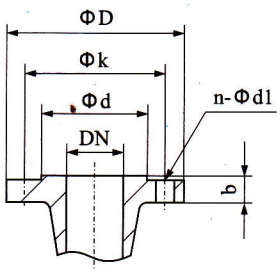
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ250-200-400	A						650	52	132		
	B						550	45	110	132	
	C						500	40	90	110	160
	D						450	30	75	90	110
CZ250-200-500	A						700	75	220	280	
	B						650	66	160	250	315
	C						550	55	132	160	250
	D						450	40	90	110	160
CZ300-250-315	A						950	22	75	110	160
	B						900	20	75	90	132
	C						800	17	75	90	110
CZ300-250-400	A						1000	43	160	220	315
	B						900	38	132	185	280
	C						850	30	110	160	200
	D						800	26	90	110	160

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
180M	730		730	
200L	775		805	
225S	820		845	
225M	815	845	840	870
250M	930		935	
280S	1000		1010	
280M	1050		1060	
315S	1260	1200	1260	1200
315M	1280	1200	1390	1340

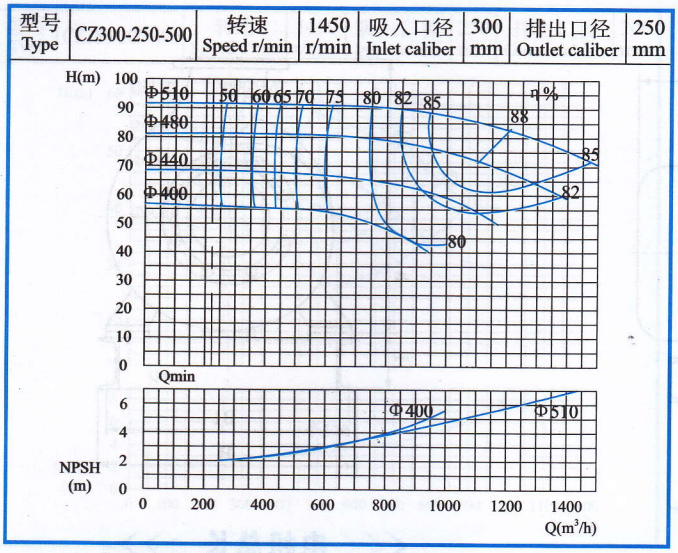
法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

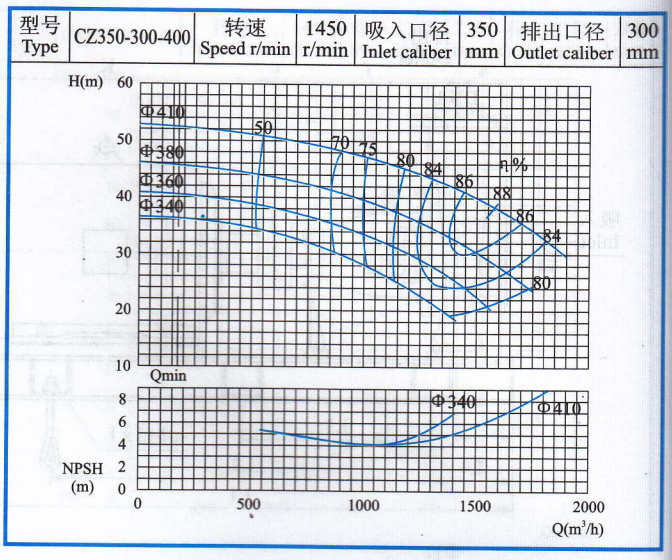
DN	ΦD	Φk	Φd	b	n-Φd1
Φ300	Φ485	Φ430	Φ389	34	16-Φ30
Φ250	Φ425	Φ370	Φ330	32	12-Φ30
Φ200	Φ360	Φ310	Φ274	30	12-Φ26

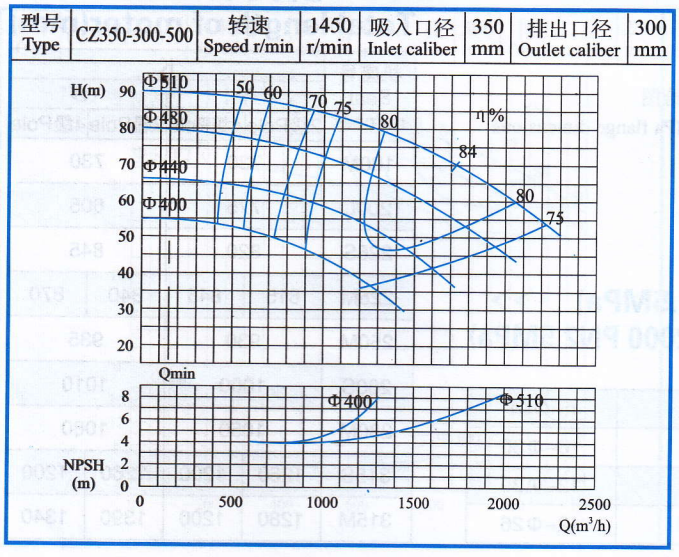
安装尺寸表 Installation dimensions table

泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions								
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ250-200-400	250	200	200	355	500	670	6	125	180M~250M	160	1800	720	670	1200	600	300	6-M16×400
								120	280S/M		1800	720	670	1200	600	300	
								210	315S/M	190	2000	720	670	1400	700	300	
CZ250-200-500	250	200	200	400	560	720	6	125	200L~250M	160	1800	720	670	1200	600	300	6-M16×400
									280S/M		2000	720	670	1400	700	300	
								155	315S/M		2000	720	670	1400	700	300	
CZ100-250-315	300	250	250	400	560	670	6	155	200L~250M	200	1800	780	730	1200	600	300	6-M20×500
									280S~315M		2000	780	730	1400	700	300	
CZ300-250-400	300	250	200	375	600	720	6	165	225S/M	200	1800	870	820	1200	600	300	6-M20×500
									250M~280M		2000	870	820	1400	700	300	
									315S/M	230	2000	870	820	1400	700	300	

性能曲线 Performance curve



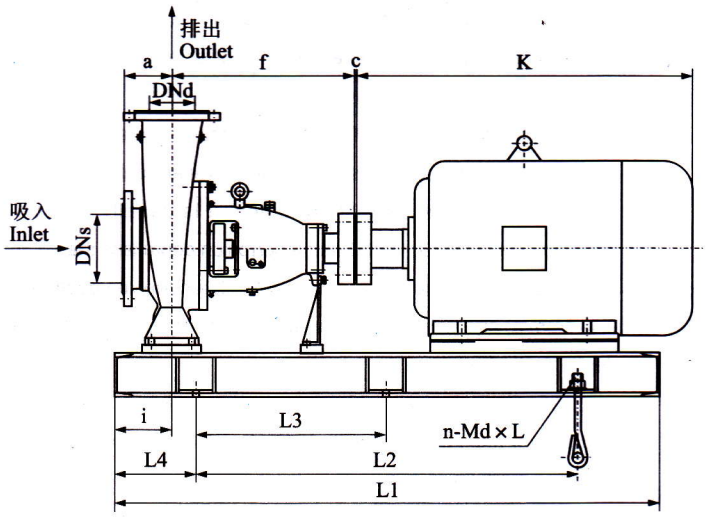


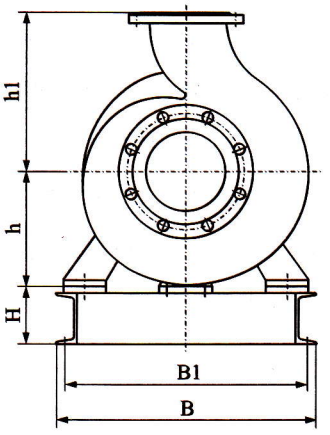


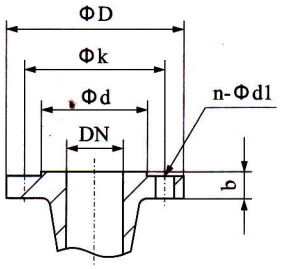
性能参数表 Performance parameter table

型号 Type	叶轮型式 Impeller type	泵额定转速 Pump's rated rotation speed n=2900r/min					泵额定转速 Pump's rated rotation speed n=1450r/min				
		流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW			流量 Capacity m³/h	扬程 Head (m)	电机功率 Motor power kW		
				比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight			比重 1.00 Specific weight	比重 1.35 Specific weight	比重 1.84 Specific weight
CZ300-250-500	A						1200	81	355		
	B						1100	70	315		
	C						1100	60	250	355	
	D						850	45	160	220	315
CZ350-300-400	A						1550	38	220	315	
	B						1400	30	160	220	315
	C						1300	25	132	185	250
	D						1300	24	110	160	200
CZ350-300-500	A						1700	70	450	630	
	B						1500	62	400	500	
	C						1300	50	280	355	500
	D						1100	41	200	280	355

外形安装尺寸图 Overall installation dimension diagram







若需1.6MPa法兰尺寸,另外给图
Additional drawings for 1.6MPa flange dimensions

法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa)
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

DN	ΦD	Φk	Φd	b	n-Φd1
Φ350	Φ555	Φ490	Φ448	38	16-Φ33
Φ300	Φ485	Φ430	Φ389	34	16-Φ30
Φ250	Φ425	Φ370	Φ330	32	12-Φ30

电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y		YB	
	2级Pole	4级Pole	2级Pole	4级Pole
250M	930		935	
280S	1000		1010	
280M	1050		1060	
315S	1260	1200	1260	1200
315M	1280	1200	1390	1340
315L	1530	1450	1560	1450

安装尺寸表 Installation dimensions table

泵型号 Pump type	泵外部尺寸 Overall dimensions of pump								底座尺寸 Base dimensions							
	DNs	DNd	a	h	h1	f	c	i	电机机座号 Motor seat number	H	L1	B	B1	L2	L3	L4	n-Md×L
CZ300-250-500	300	250	200	425	670	720	6	165	250M~315M	200	2000	870	820	1400	700	300	6-M20×500
									315L		2240	870	820	1600	800	320	
CZ350-300-400	350	300	240	450	630	720	6	165	250M~315M	200	2000	870	820	1400	700	300	6-M20×500
									315L		2240	870	820	1600	800	320	
CZ350-300-500	350	300	240	450	750	835	6	225	280S~315M	230	2240	970	920	1600	800	320	6-M20×500

泵与介质接触的主要零件材料耐腐蚀性能选择 Corrosion resistance option of materials for pump's main parts touching medium

金属材料耐腐蚀性能通常用腐蚀深度（又称腐蚀速度）作为评定金属材料耐腐蚀性能的一项主要指标。

腐蚀深度是指金属材料在单位时间内腐蚀的金属深度，单位用“毫米/年”(mm/a)表示。

按照腐蚀程度的不同，通常分为：腐蚀深度小于0.1mm/a的材料，称为耐腐蚀性能材料；腐蚀深度为0.1~1mm/a，称为尚耐腐蚀材料；腐蚀深度大于1mm/a，称为耐腐蚀性不好的材料。

一般泵与介质接触的主要零件的材料选用在指定介质情况中，尚耐腐蚀性材料就可以。

为便于用户选用泵时，根据所输送介质条件，选择适宜泵的主要零件材料耐腐蚀性能，本说明书汇编了：ZG1Cr18Ni9(302),ZG1Cr18Ni9Ti(321),ZG0Cr18Ni12Mo2Ti(316Ti),ZG1Cr18Ni12Mo2Ti(307),ZG00Cr17Ni14Mo2(316L),ZG1Cr18Mn13Mo2CuN(402)等材料耐腐蚀性能表供选泵时参考。

Generally the corrosion depth (also called corrosion velo–city) is used as a primary index to evaluate the corrosion resistance of metal materials.

The corrosion depth refers to the corrosive metal depth of metal materials in unit time, expressed in "millimeter annually" (mm/a).

By different degrees of corrosion, it is usually divided into: corrosion resistance material with a corrosion depth less than 0.1mm/a; passable corrosion resistance material with a corrosion depth between 0.1–1mm/a; and weak corrosion resistance material with a corrosion depth larger than 1mm/a.

Generally the passable corrosion resistance material can be adopted for main parts of pump contacting medium on the condition of specified medium.

To facilitate the user to select the proper corrosion resist–ance of materials of main pump parts in accordance with conditions of transporting medium during the pump selection, the instructions are provided with the compilation of corrosion resistance tables of such materials as ZG1Cr18Ni9(302), ZG1Cr18Ni9Ti(321), ZG0Cr18Ni12Mo2Ti(316Ti), ZG1Cr18Ni12Mo2Ti(307), ZG00Cr17Ni14Mo2(316L) and ZG1Cr18Mn13Mo2CuN(402) for reference.

ZG1Cr18Ni9(302)钢的耐腐蚀性能表 ZG1Cr18Ni9(302) Comparison table of corrosion resistance of steel

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
硝 酸 Nitric acid	0.5~99	20	<0.1
	7~37	沸 Boiling	0.1~1
	65	沸 Boiling	<1
	93	37	0.01
	93	55	0.21
	97	55	0.76
	99	55	1.25
	99	沸 Boilingv	<10
醋 酸 Acetic acid	10	沸 Boiling	<0.1
	50	沸 Boiling	<1
	80	沸 Boiling	<3
硫 酸 Sulphuric acid	0.5	190	0.06~0.14

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
硫 酸 Sulphuric acid	1	20~90	0.002
	5	20	0.6
	5	40	<3
	5	50	3~4.5
	5	100~105	3.3~15
	10~50	20	2~5
	80	20	0.46
	90~95	20	0.0006~0:008
柠檬酸 Citric acid	1~50	20	<0.1
	5	140	<1
	50	沸 Boiling	<10
	95	20~140	<0.1

ZG1Cr18Ni9Ti(321)钢的耐腐蚀性能表 ZG1Cr18Ni9Ti(321) Comparison table of corrosion resistance of steel

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
硝 酸 Nitric acid	30	20	0.007
	50~56	20	0
	93	43	0.05
	95	37~55	0.03
	97	55	0.76
	99	55	1.25
	99.67	55	<10
硫 酸 Sulphuric acid	2	50	0.016
	2	100	3~6.5
	5	50	3~4.5
	5	100~105	3.3~15
	80	20	0.46
醋 酸 Acetic acid	1~浓 Concentrated	20~40	<0.1
	10		<0.1
	50		<0.1
	80		<0.3
磷 酸 Phosphoric acid	10	80	0.01
	28		0.67
	45		0.1~1
	60	60	1.7
	80	110	腐蚀深度过大 Excessive corrosion depth
柠檬酸 Citric acid	1~50	20	<0.1
	5	140	<1
	50		<0.1
	95	20~140	<0.1
硫 Sulfur	熔化的 Melted	130	<0.1
	熔化的 Melted	445	<0.3

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
混合酸 Mixed acid	$H_2SO_4$78	20	0.003
	$HNO_3$0.5		
	$H_2SO_4$78	90	0.05
	$HNO_3$0.5		
	$H_2SO_4$78	20	0.0018
	$HNO_3$1		
	$H_2SO_4$78	90	0.0251
	$HNO_3$1		
氢氧化钾 Potassium hydroxide	20	20~沸 Boiling	<0.1
	50	20	<0.1
	50	沸 Boiling	<0.1
	熔化的 Melted		>10
氢氧化钠 Sodium hydroxide	~12	100	0.0044
	~35	100	0.008
重铬酸钾 Potassium dichromate	25	20~沸 Boiling	<0.1
氯化锰 Manganese chloride	10~50	100	<0.1
过氧化钠 Sodium peroxide	10	20~沸 Boiling	<0.1
亚硫酸钠 Sodium sulfite	25~50	沸 Boiling	<0.1
硫酸钠 Sodium sulfate	5~饱和 Saturated	100	<0.1
	熔化的 Melted	900	>10
硝酸银 Silver nitrate	10	沸 Boiling	<0.1
氯 Chlorine	干燥的 Dry	20	<0.1
	干燥的 Dry	100	>10
漂白粉 Bleaching powder	潮湿的 Moist	40	0.48
氯化氢 Chlorine hydride	干燥的 Dry	20~100	<0.1
	干燥的 Dry	100~500	<0.1

ZG0Cr18Ni12Mo2Ti(316Ti)钢的耐腐蚀性能表 ZG0Cr18Ni12Mo2Ti(316Ti) Comparison table of corrosion resistance of steel

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
硝 酸 Nitric acid	1~5	20	<0.1
	1~5	80	<0.1
	5	沸腾 Boiling	<0.1
	20	20~80	<0.1
	50	20~50	<0.1
	50	80	<0.1
	50	沸 Boiling	<0.1
	60	20~60	<0.1
	60	沸 Boiling	0.1~1
	65	20	<0.1
	65	85	<0.1
	65	沸 Boiling	0.1~1
	90	20	<0.1
	90	70	0.1~1
	90	沸 Boiling	1~3
	99	20	0.1~3
	99	沸 Boiling	3~10
硫 酸 Sulphuric acid	0.5	20	<0.1
	1	20	<0.1
	3	20	<0.1
	40	20	<0.1
	80	20	0.1~1
	98	20	<0.1
亚硫酸 Sulfurous acid	2	20	<0.1
	20	20	<0.1

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
氢氟酸 Hydrofluoric acid	10	20	<0.1
	10	100	1~3
氢氧化钠 Sodium hydroxide	10~20	沸 Boiling	<0.1
	30	100	<0.1
	40	90	<0.1
	50	90	<0.1
	50	100	<0.1
	60	90	<0.1
	70	90	<0.1
草 酸 Oxalic acid	2.5	20	<0.1
	2.5	60	<0.1
	2.5	沸 Boiling	<0.1
	10	20	<0.1
	10	沸 Boiling	1~3
	50	沸 Boiling	0.1~1
氢氧化钾 Potassium hydroxide	25	沸 Boiling	<0.1
	50	20	<0.1
	50	沸 Boiling	<0.1
	68	120	<0.1
高锰酸钾 Potassium permanganate	5~10	20	<0.1
	10	沸 Boiling	<0.1
盐 酸 Hydrochloric acid	0.5		1~3
	3		<0.1
	5		<0.1
	10		0.1~1
	30		3~10

ZG1Cr18Ni12Mo2Ti(307)钢的耐腐蚀性能表 ZG1Cr18Ni12Mo2Ti(307) Comparison table of corrosion resistance of steel

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
硫 酸 Sulphuric acid	1	85	<1
	3	80	<3
	5	20	<0.1
	5	80	1~3
	10	20	<0.1
	10	80	1~3
	20	20	<0.1
	20	60	<0.3
	40	20	<0.1
	40	60	>10
	80	20	<1
	80	60	3~10
亚硫酸 Sulfurous acid	20	20	<0.1
	饱和溶液 Saturated solution	20	<0.1
	潮湿气体 Humid gas	20	<0.1
	饱和溶液 Saturated solution	160~200 (0.8~2MPa)	<0.1
磷 酸 Phosphoric acid	1~80	20	<0.1
	1~45	沸腾 Boiling	<0.1
	1	140(0.3MPa)	<0.1
	80	60	<0.1
	80	110~沸腾 Boiling	1~3
盐 酸 Hydrochloric acid	0.5	20	<0.1
	0.5	沸腾 Boiling	<3
	1	20	<0.1
	1	50	<3
	5	20	<0.1
	5	60	<3
	10	20	<1
	10	60	3~10
	20	20	<3
	20	60	>10
	30	60	3~10
铬 酸 Chromic acid	10	20	<0.1

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
铬 酸 Chromic acid	10	沸腾 Boiling	<1
	50	20	<0.1
	50	沸腾 Boiling	<0.3
氢氧化钠 Sodium hydroxide	10~30	20~沸腾 Boiling	<0.1
	40~60	120	<0.1
	60	160	<3
	78	120	<0.1
	熔体 Fusant	318	1~3
氢氧化钾 Potassium hydroxide	25~50	20~沸腾 Boiling	<0.1
	68	120	<0.1
	熔体 Fusant	300	1~3
氯 Chlorine	干燥的 Dry	20	<0.1
	潮湿的 Moist	20	<10
	潮湿的 Moist	100	>10
	氯水 Chlorine water	20	<1
氯 苯 Chlorobenzene	钝的 Blunt	沸腾 Boiling	<1
漂白粉 Bleaching powder	干燥中溶液 Solution in drying	20	<0.1
	溶液+25%C1 Solution+25C1	20	<0.1
氯化氢 Chlorine hydride	干燥的气体 Dry gas	20~100	<1
	干燥的气体 Dry gas	200	<10
氯化铁 Iron chloride	30~50	20	3
氯化铵 Ammonium chloride	28~饱和溶液 Saturated solution	100	<0.1
氯化钙 Calcium chloride	饱和溶液 Saturated solution	100	<0.1
碘 Iodine	溶液 Solution	20	>10
碘 仿 Triiodomethane	蒸汽 Steam	60	<0.1
溴化钾 Potassium bromide	溶液 Solution	20	<0.1
亚硫酸酐 Sulfurous acid anhydride	潮湿的 Moist	20	<0.1
	潮湿的 Moist	300	<0.1
	潮湿的 Moist	500	<1
	潮湿的 Moist	900	<3
亚硫酸钠 Sodium sulfite	50	沸腾 Boiling	<0.1
亚硫酸氢钠 Sodium bisulfite	50	沸腾 Boiling	<0.1
纤维素 Cellulose	纤维素蒸煮时 Cellulose in boiling	沸腾 Boiling	0(190h)
尿 素 Urea	溶液 Solution	20	<0.1

ZG00Cr17Ni14Mo2(316L)钢耐腐蚀性能表 ZG00Cr17Ni14Mo2(316L) Comparison table of corrosion resistance of steel

介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
硫 酸 Sulphuric acid	0~30	25	<0.3
	10	0≤	<0.3
	40	25	>0.3
	85	25	<0.3
	98	25~50	<0.3
磷 酸 Phosphoric acid	40	70~100	<0.3
	40	沸腾 Boiling	<0.3
	50~60	70~100	<0.3
	50~60	沸腾 Boiling	<0.3
	70	70~90	<0.3
	70	100	>0.3
	80	70~80	<0.3
	80	>80	>0.3
粗醋酸 Coarse acetic acid	浓 Concentrated	81	2.2
		190	14
		沸腾 Boiling	<0.0005
甲酸+醋酸 Methanoic acid+ acetic acid	20	沸腾 Boiling	0.26
	70	沸腾 Boiling	0.26

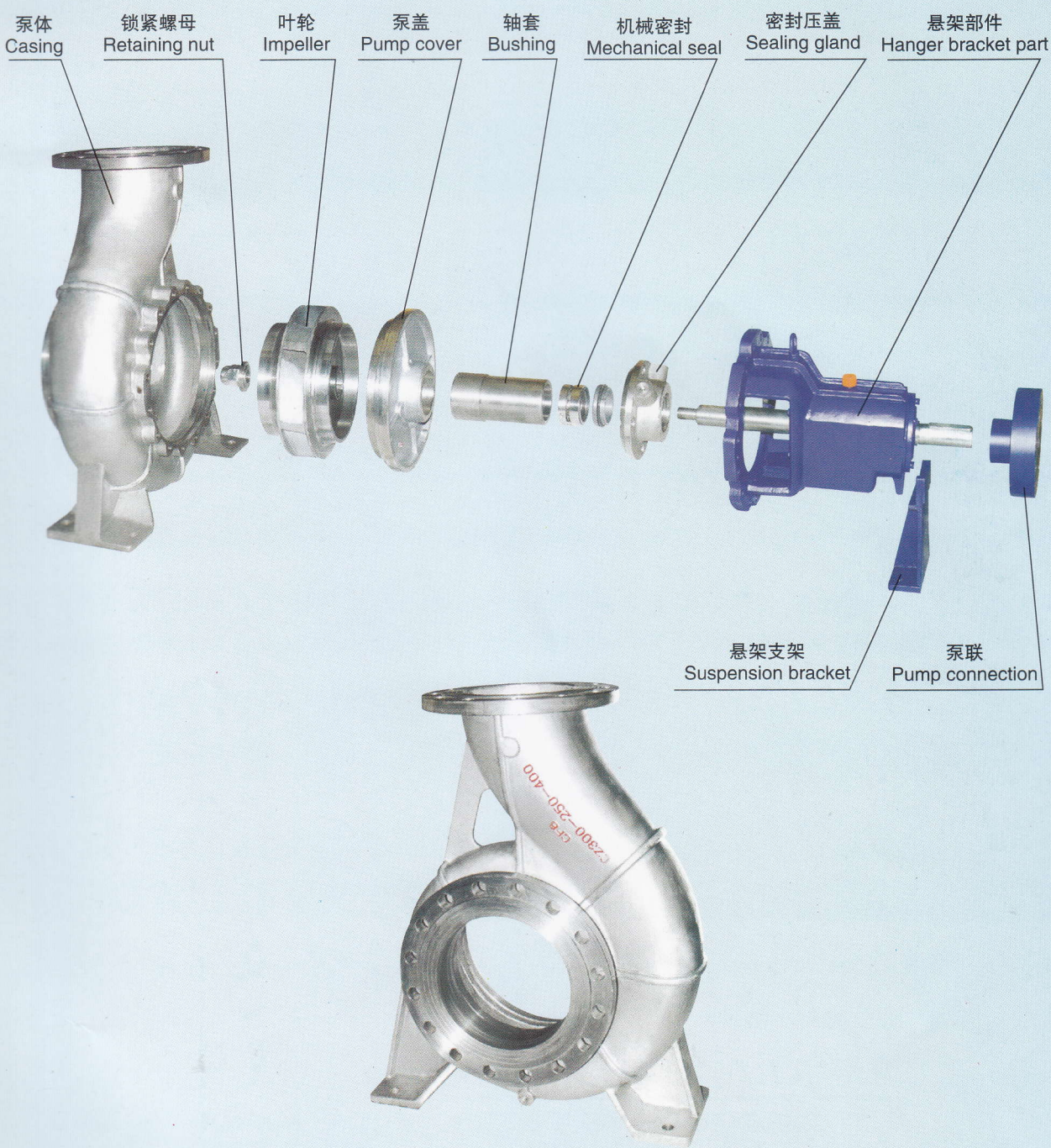
介质条件 Medium condition			腐蚀深度 Corrosion depth (mm/a)
介质 Medium	浓度(%) Concentration	温度(℃) Temperature	
甲酸+醋酸 Methanoic acid+ acetic acid	20	沸腾 Boiling	0.401
	45		
醋 酸 Acetic acid	30	沸腾 Boiling	0
	50	沸腾 Boiling	0.005
	70	沸腾 Boiling	0.018
	99	沸腾 Boiling	0.035
熔融尿素 Melted urea	尿素32~34 Urea	190~150	0.065
	$CO_2$10~11		
	$NH_3$35~36		
	H_2O19~21		
熔融尿素 Melted urea	$CO_2$35	170~180	0.024
	$NH_3$54~55		
	H_2O10		
熔融尿素 Melted urea	尿液30 Urea solution	188	0.17
	甲铵30 Ammonium formate		
	$NH_3$20		
	H_2O20		

注：熔融尿素的压力=200
Note: melted urea's pressure=200

ZG1Cr18Mn13Mo2CuN(402)钢是无镍的不锈钢，在大多数化工介质中的耐腐蚀性相当或优于ZG1Cr18Ni9Ti(321)钢，尤其是在腐蚀性能与磨损并存的条件下比ZG1Cr18Ni9Ti更优，机械性能和铸造性能好，但气孔敏感性比ZG1Cr18Ni9Ti大，其耐腐蚀性能在此基础上可参照ZG1Cr18Ni9Ti耐腐蚀性能表。

ZG1Cr18Mn13Mo2CuN(402) is the nickel–free stain–less steel, which is equivalent or superior to the ZG1Cr18Ni9Ti(321) regarding its corrosion resistance in a majority of chemical media, especially in such a condition as both corrosion and abrasion coexist. Its mechanical and casting properties are better but its air hole sensibility is bigger than ZG1Cr18Ni9Ti. Based on that, its corrosion resistance can refer to the corrosion resistance table of ZG1Cr18Ni9Ti.

泵组装示意图 Schematic Diagram For Pump Assembling



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扬州华力机泵制造有限公司

地址：江苏省扬州市江都区丁伙
工业园区南环路5号
电话：0514-86508720 86506789
传真：0514-86505228
网址：www.yzhljb.com
E-mail：wlh4135@163.com