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CZ型

产品执行标准: API610(第十版)

Use Specification | 使用说明书

CZ系列 国际标准化化工泵

International standard chemical pump



浙江扬子江泵业有限公司 ZHEJIANG YANGZIJANG PUMP CO.,LTD

公司地址: 浙江省永嘉县瓯北浦西工业区
电话(营销部): 0577-67980805 67980810
67980813 67980815

企业邮箱: yzj@wwwww.cc
备用邮箱: jwvalve@163.com
企业网址: <http://www.yzj.cc>
<http://www.wwwww.cc>
联系传真: 86-0577-67980820
客服热线: 0577-67980805
邮 编: 325105

浙江扬子江泵业有限公司 ZHEJIANG YANGZIJANG PUMP CO.,LTD

⚠ 使用该产品前，请仔细阅读说明书！

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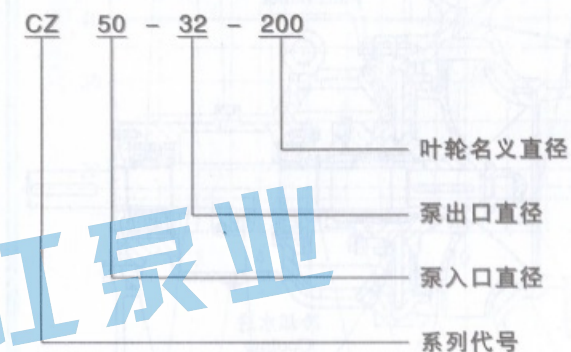
<<< 产品概述 >>>

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、清洁或含有固体颗粒、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。

<<< 型号说明 >>>



<<< 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

<<< 工作条件 >>>

※ 转速：2960r/min, 1480r/min,
※ 流量 $Q=2\sim 2000\text{m}^3/\text{h}$ ；扬程 $H\leq 160\text{m}$ ；
※ 工作温度： $-40\sim +260^\circ\text{C}$ ；
※ 工作压力 $\leq 2.5\text{MPa}$ ；
※ 旋转方向，从驱动端看，泵按顺时针方向旋转

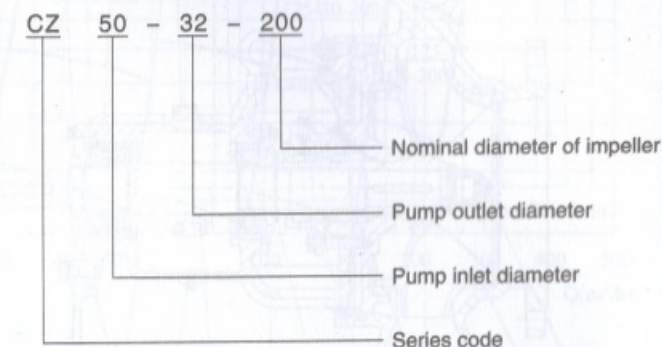
<<< Product Introduction >>>

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.

<<< Type Designation >>>



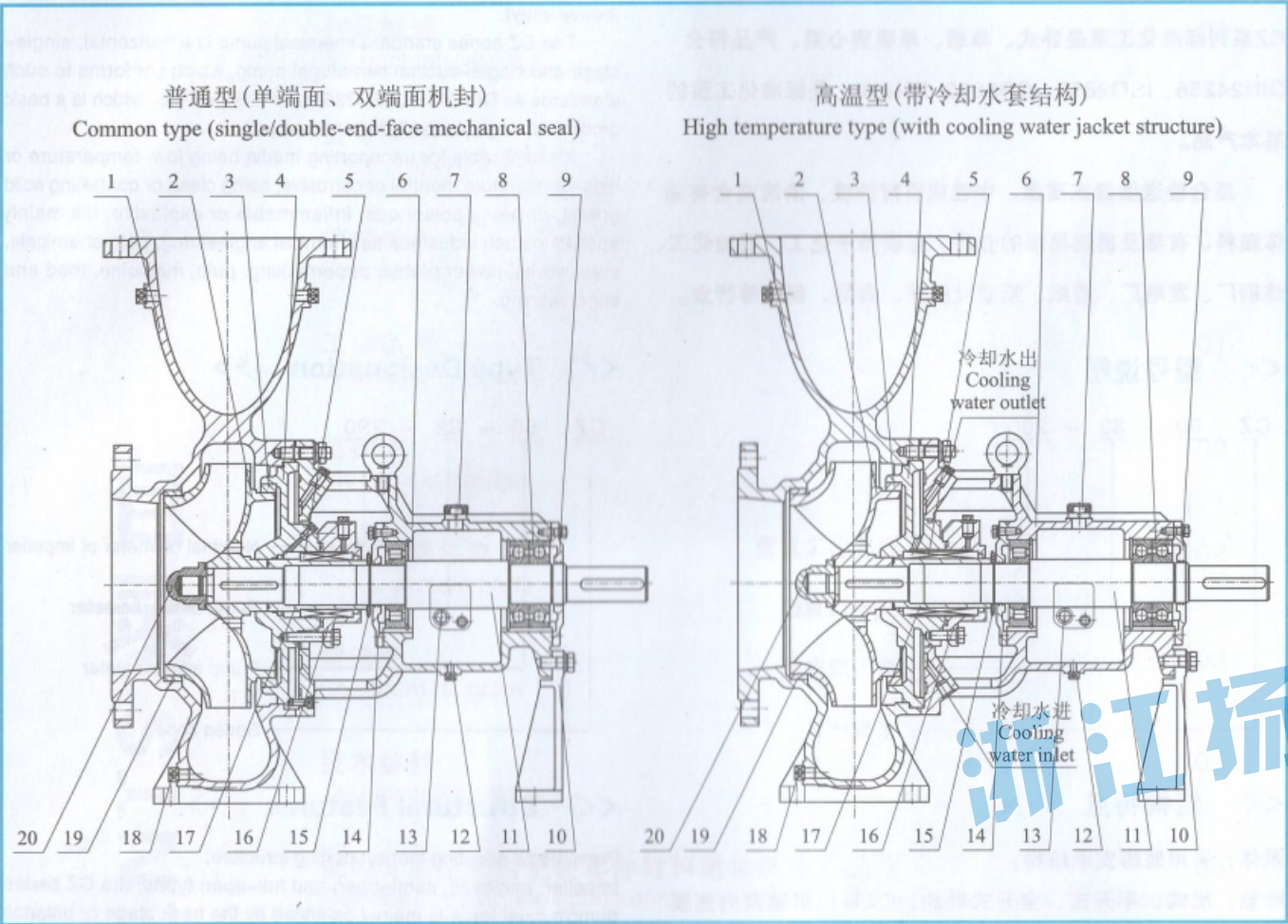
<<< Structural Features >>>

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.

<<< Working Conditions >>>

※ Rotation speed: 2960r/min, 1480r/min,
※ Flow $Q=2\sim 2000\text{m}^3/\text{h}$; Lift head $H\leq 160\text{m}$
※ Temperature work: $-40\sim +260^\circ\text{C}$
※ Press work $\leq 2.5\text{MPa}$
※ Rotation direction: the pump rotates clockwise when seen from the drive end.

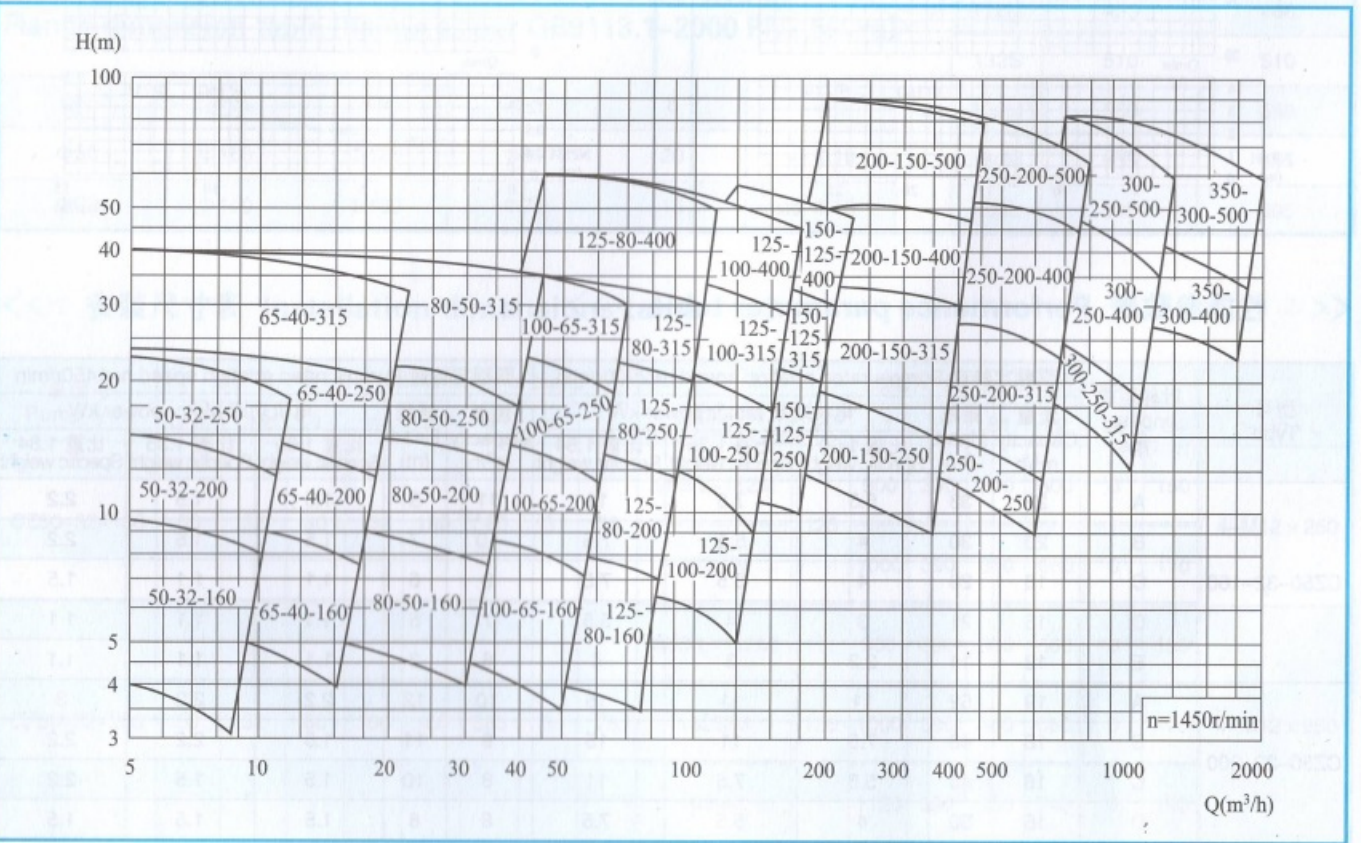
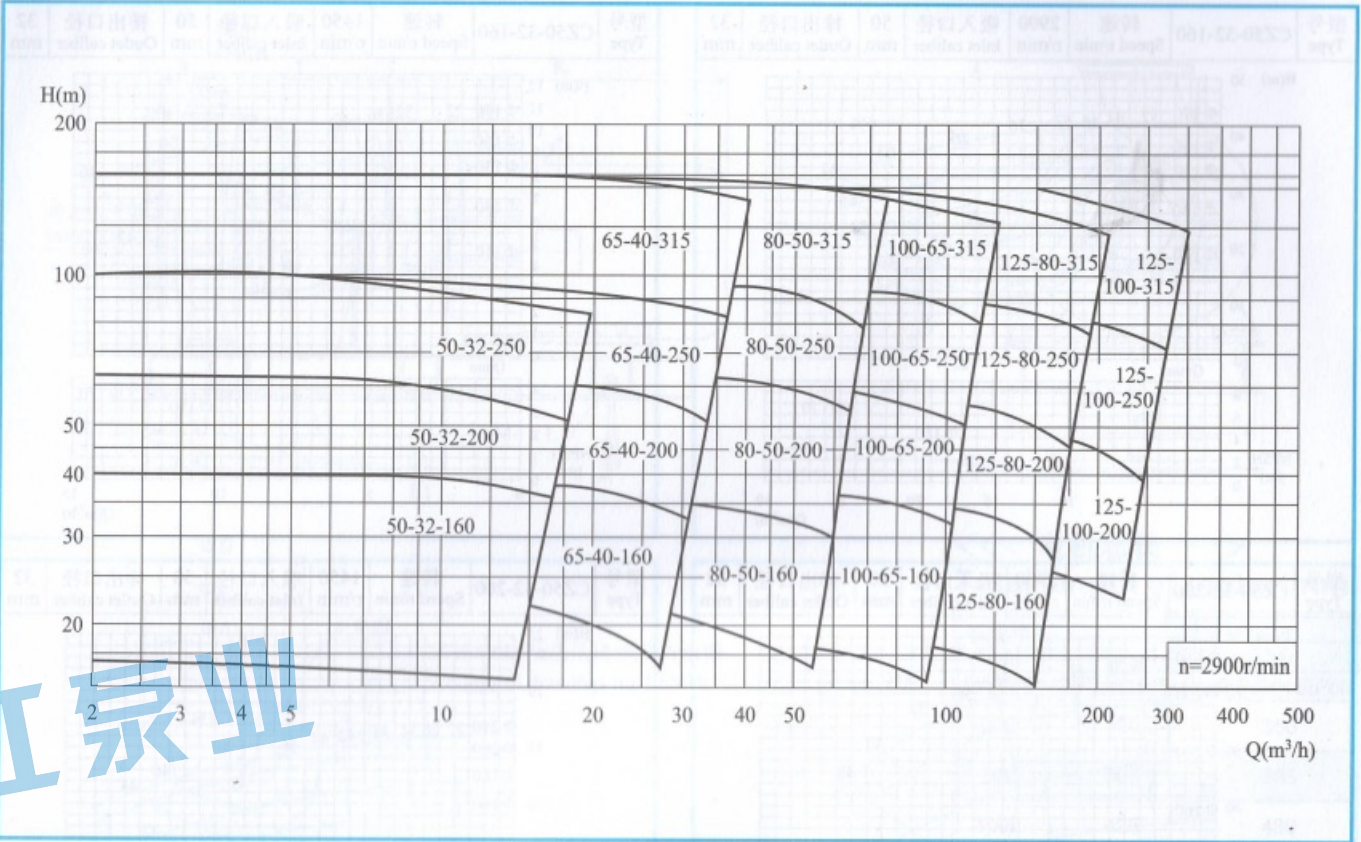
结构图 Structure diagram



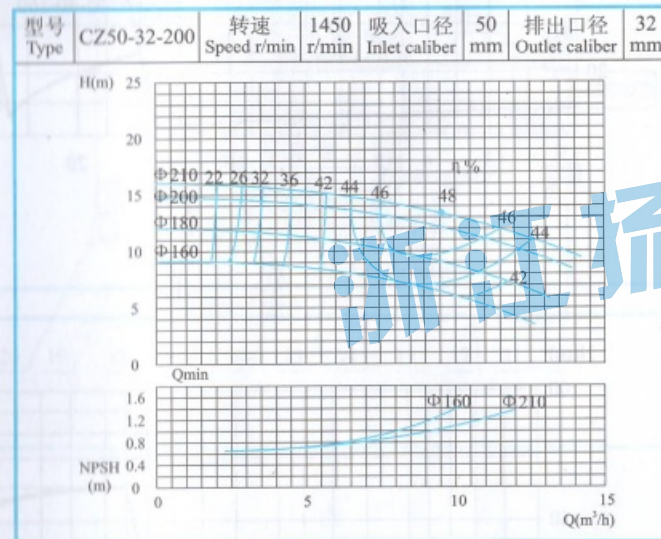
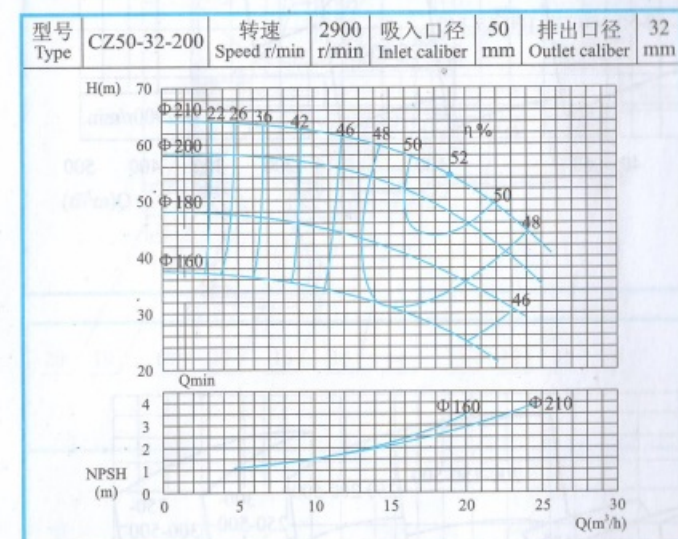
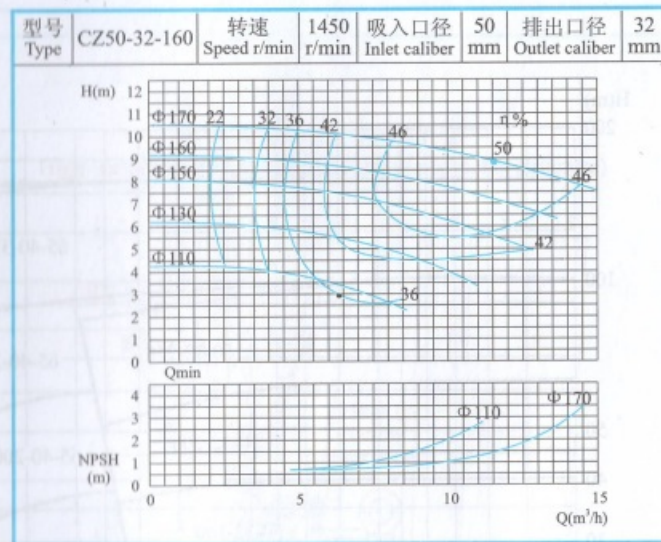
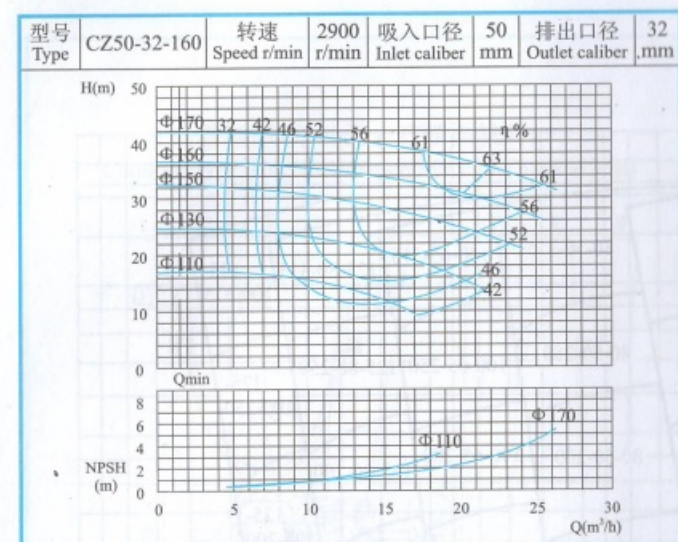
主要零部件表 Table of main parts

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



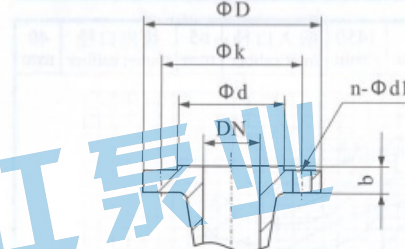
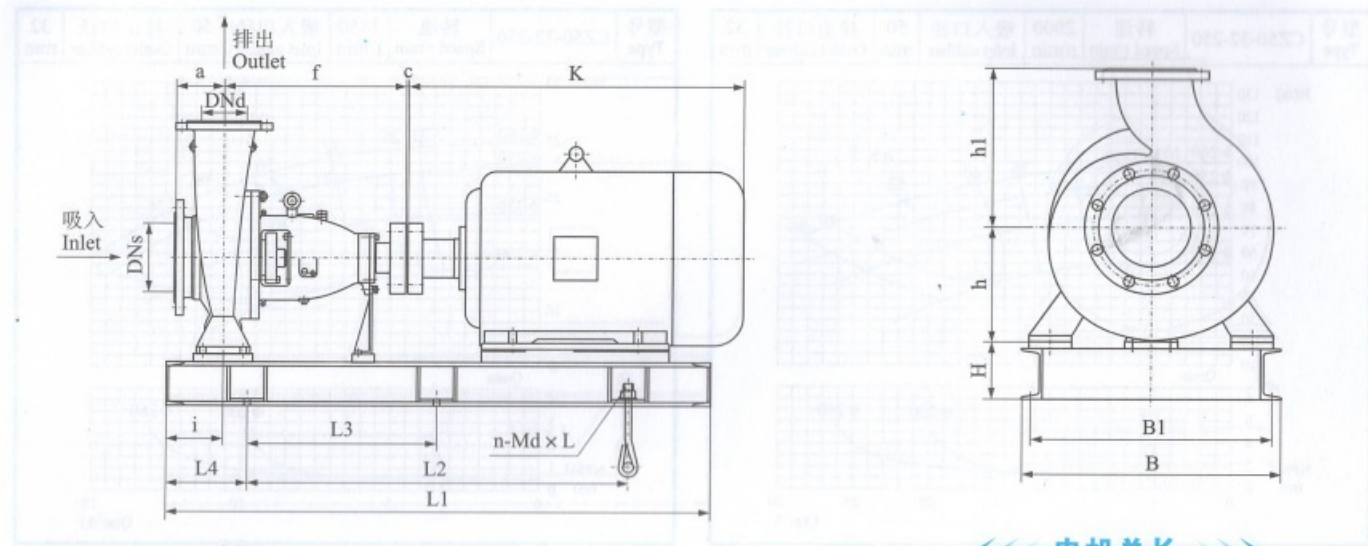
<<< 性能曲线 Performance curve >>>



<<< 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

<<< 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

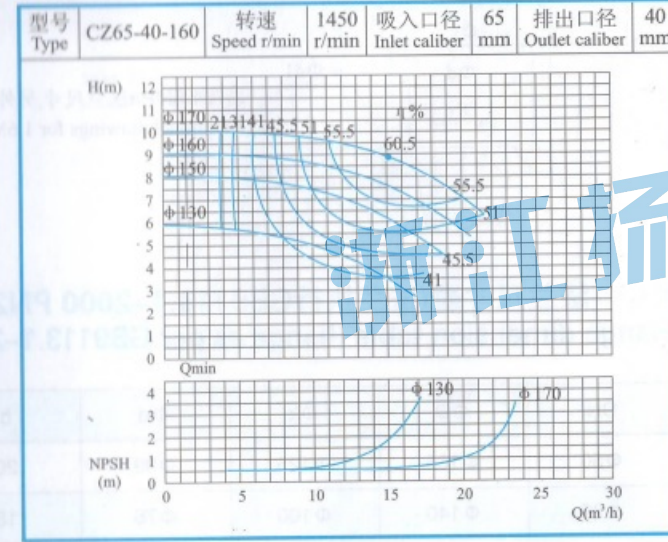
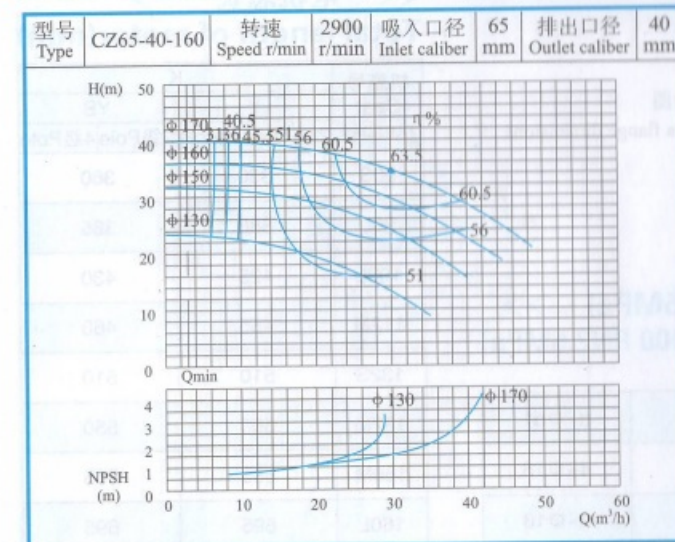
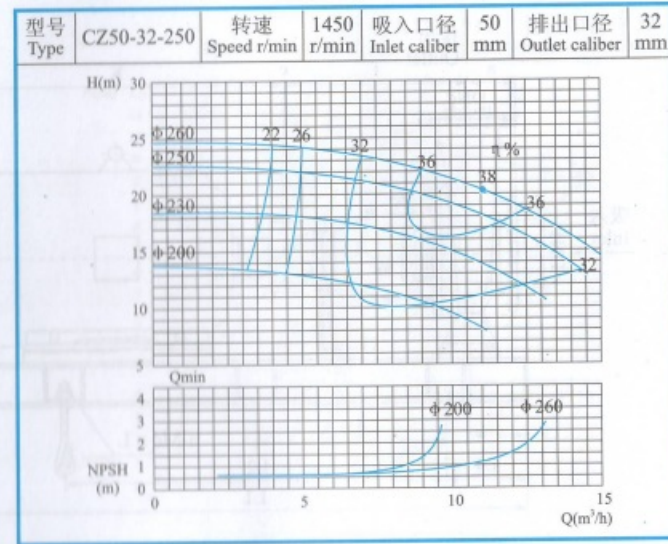
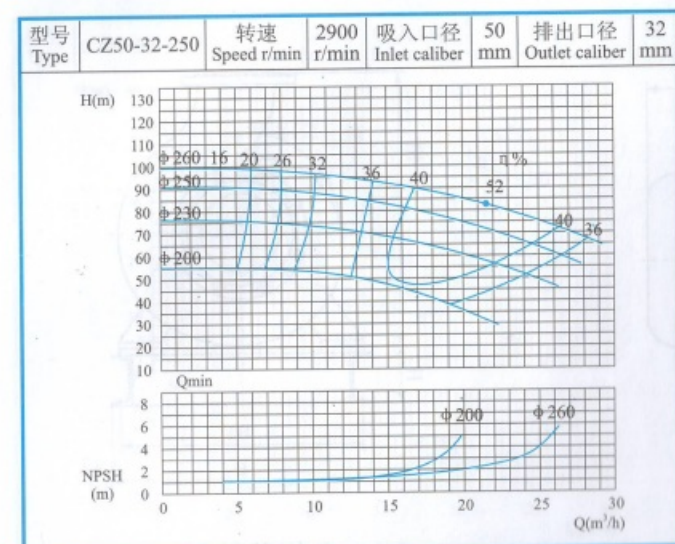
<<< 电机总长 >>>
Total length of motor(mm)

机座号 Seat number	K	
	Y 2级 Pole	YB 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

<<< 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	

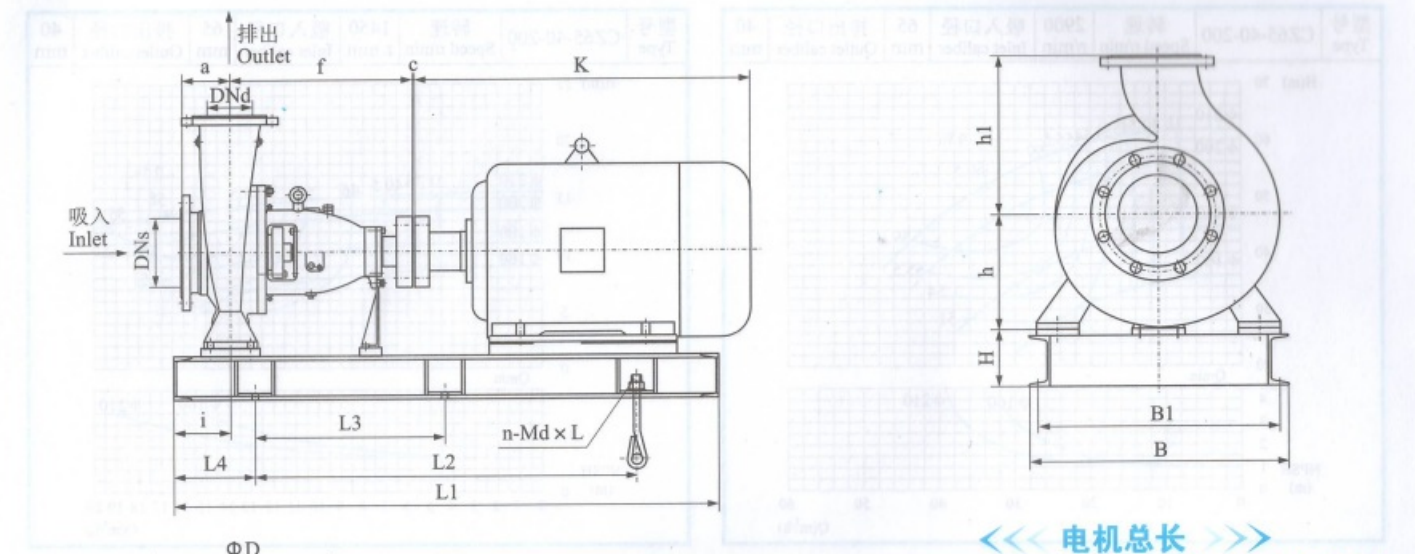
<<< 性能曲线 Performance curve >>>



<<< 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
CZ50-32-250	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 >>>

<<< 电机总长 >>>
Total length of motor(mm)

机座号 Seat number	K	
	Y	YB
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)

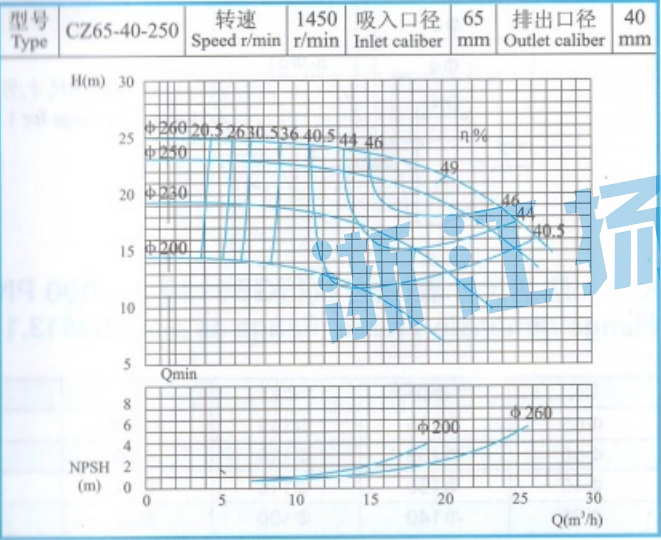
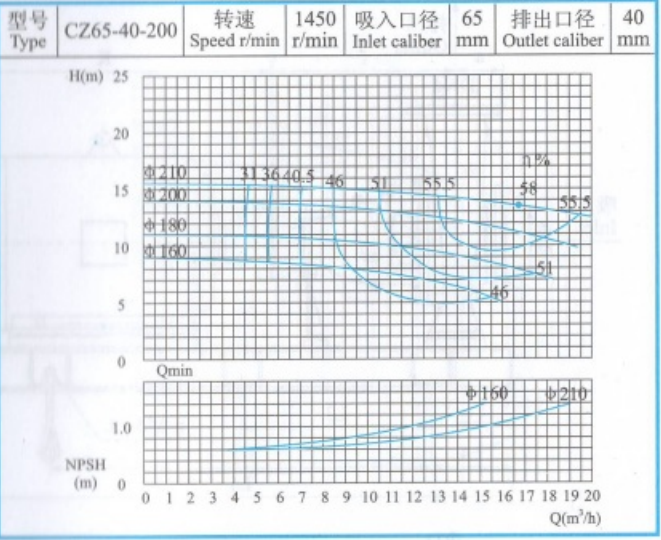
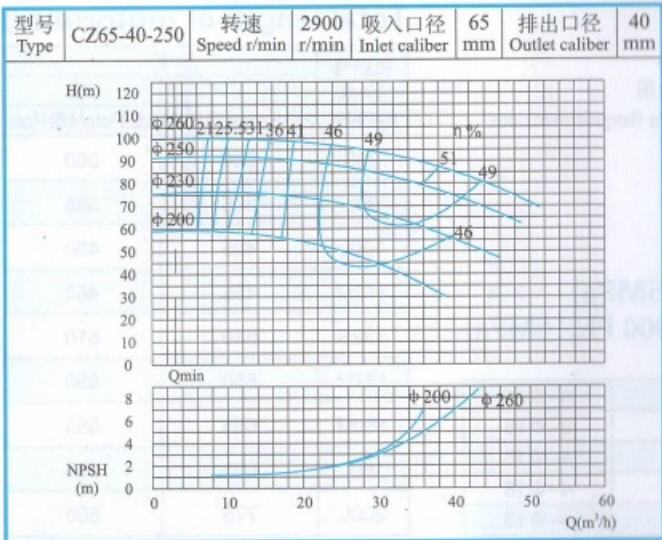
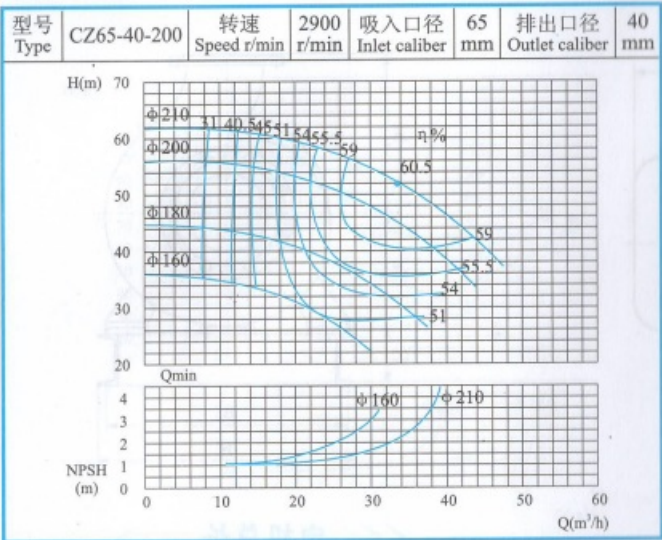
DN	ΦD	Φk	Φd	b	n-Φd1
Φ65	Φ185	Φ145	Φ118	22	8-Φ18
Φ50	Φ165	Φ125	Φ99	20	4-Φ18
Φ40	Φ150	Φ110	Φ84	18	4-Φ18
Φ32	Φ140	Φ100	Φ76	18	4-Φ18

<<< 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

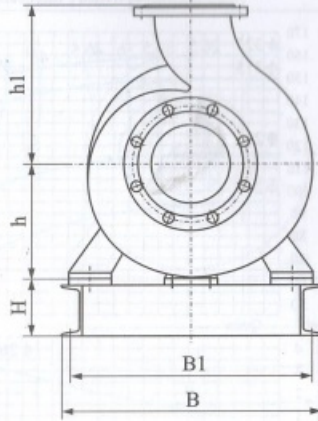
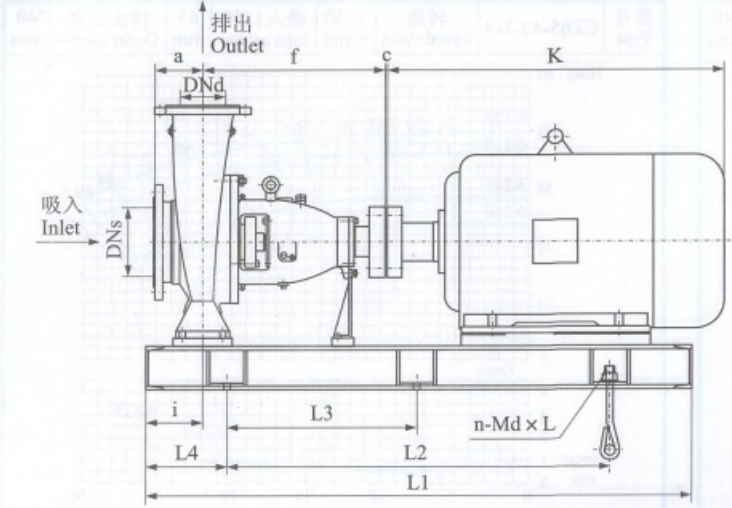


性能参数表 Performance parameter table

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			流量 Capacity m³/h	扬程 Head (m)
				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		

CZ系列国际标准化化工泵

外形安装尺寸图 Overall installation dimension diagram



电机总长 Total length of motor(mm)

机座号 Seat number	K			
	Y	4级 Pole	YB	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

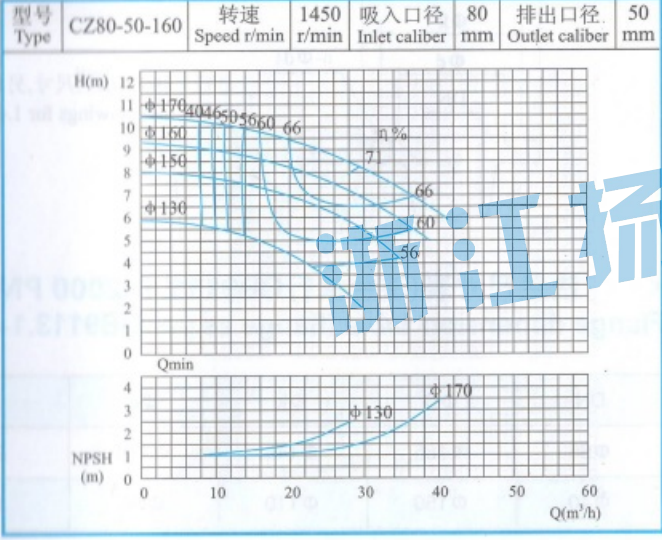
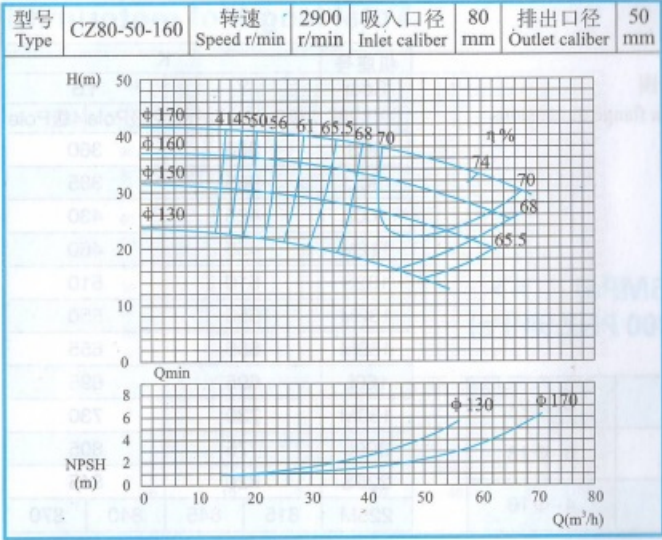
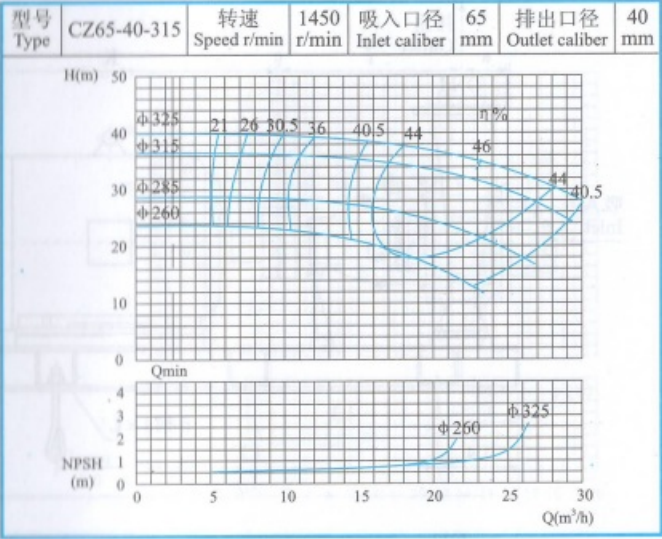
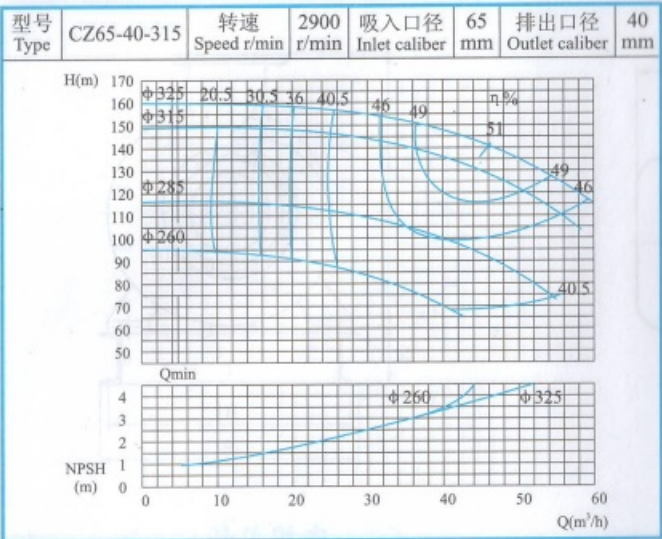
法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

DN	ΦD	Φk	Φd	b	n-Φd1
Φ65	Φ185	Φ145	Φ118	22	8-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
CZ65-40-200	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	

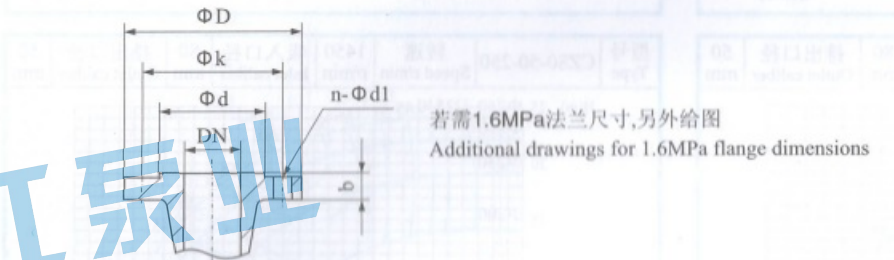
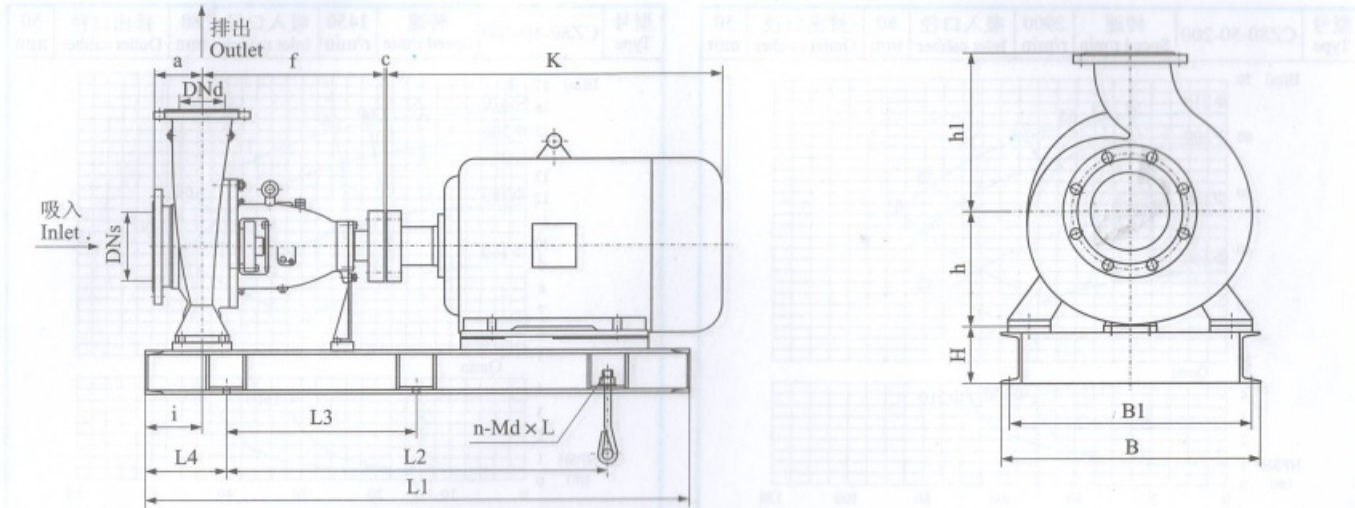
性能曲线 Performance curve



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			流量 Capacity m³/h	扬程 Head (m)
				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



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

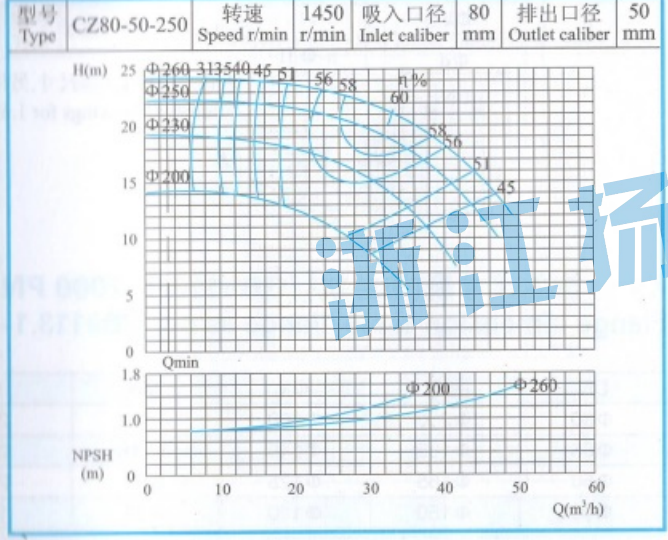
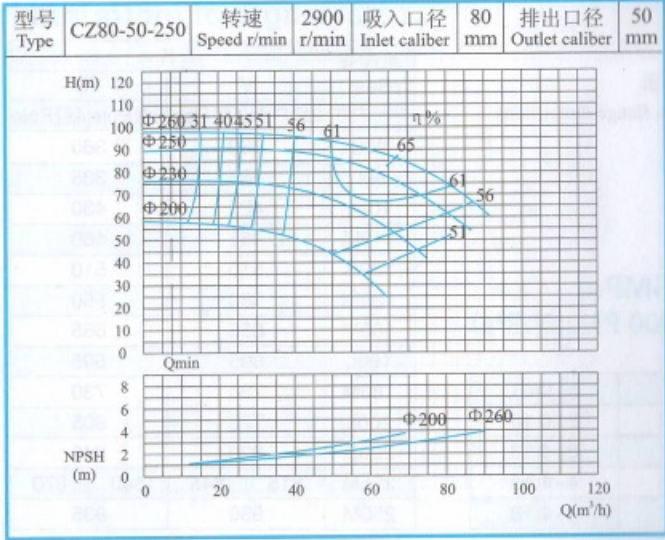
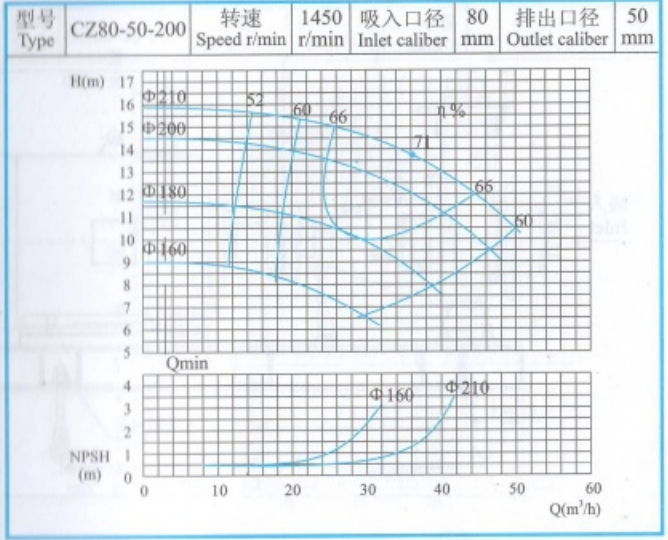
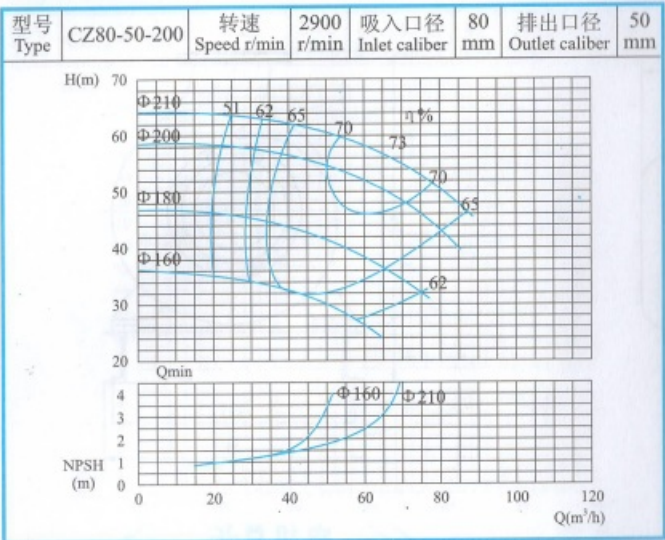
电机总长
Total length of motor (mm)

机座号 Seat number	K			
	Y	4级 Pole	YB	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	

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 x L
CZ65-40-315	65	40	125	200	250	500	5	90	112M~132M	125	1120	390	350	740	0	190	4-M12 x 250
									160M/L		1250	390	350	840	0	205	
								100	180M	140	1400	390	350	940	0	230	4-M16 x 400
									200L		1400	440	400	940	0	230	
								90	225M	170	1400	530	490	940	0	230	
									250M	190	1600	600	550	1060	530	270	
CZ80-50-160	80	50	100	160	180	385	4	75	90S/L~112M	125	900	390	350	600	0	150	4-M12 x 250
									132S/M		1000	390	350	660	0	170	
									160M/L		1120	390	350	740	0	190	

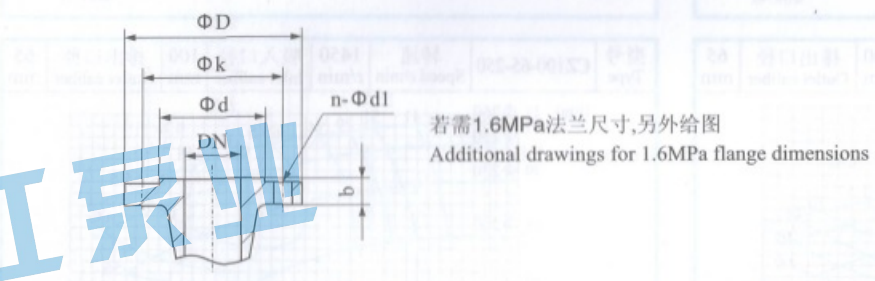
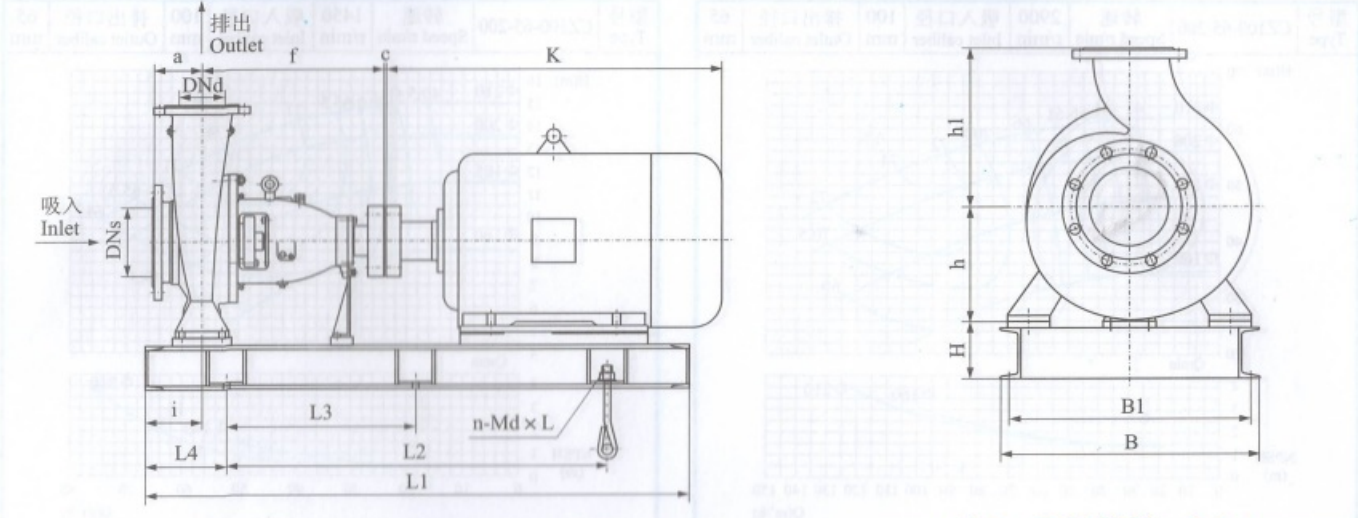
性能曲线 Performance curve



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	
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



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

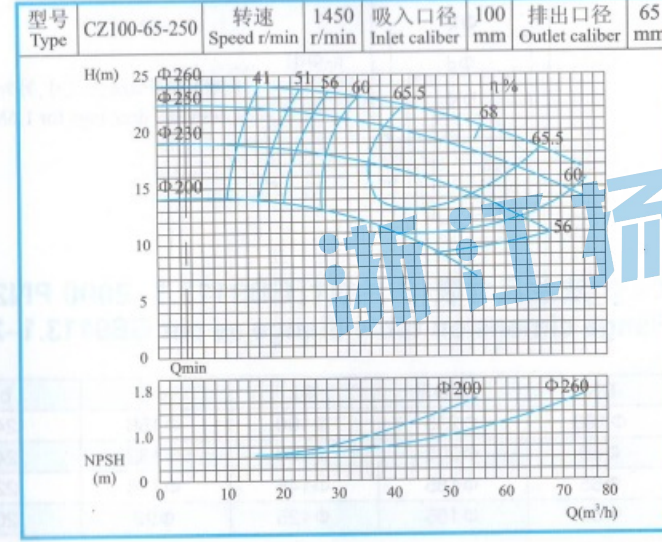
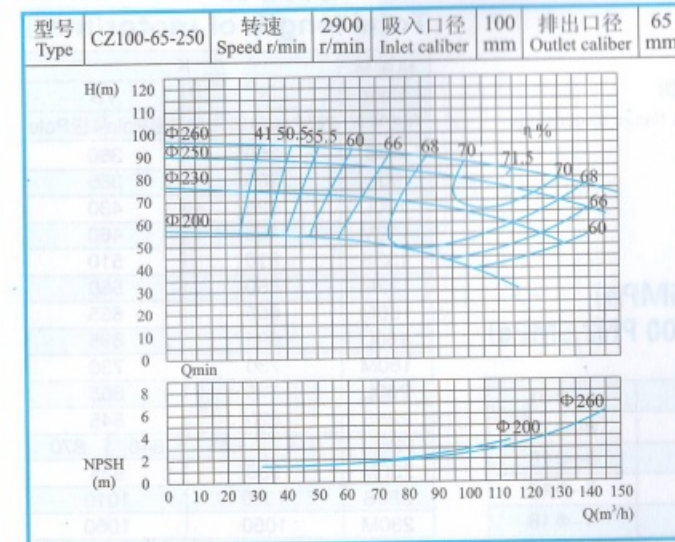
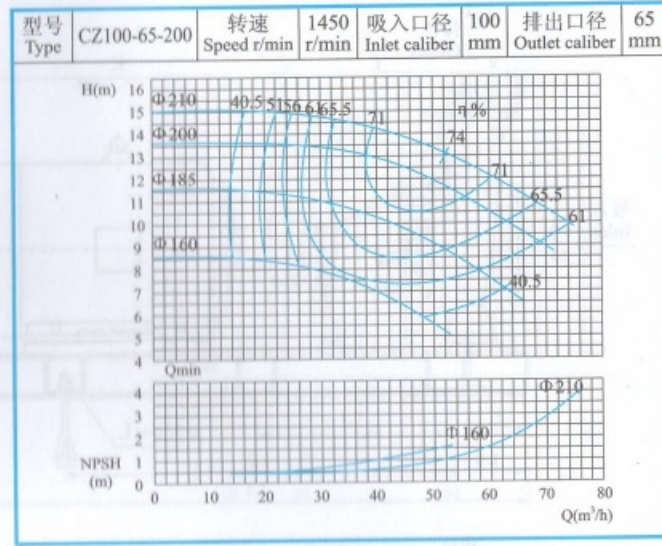
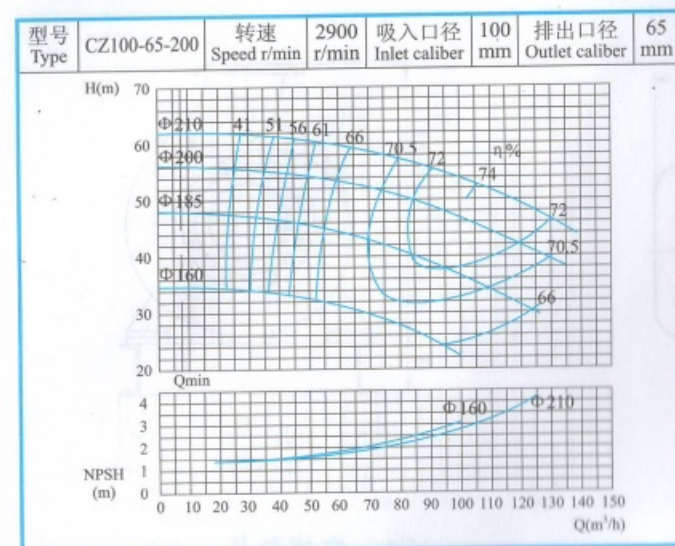
电机总长
Total length of motor(mm)

机座号 Seat number	K			
	Y	YB	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 x L
CZ80-50-315	80	50	125	225	280	500	5	90	132S/M	125	1120	390	350	740	0	190	4-M12 x 250
								160M/L	1250		390	350	840	0	205		
								100	180M	140	1400	390	350	940	0	230	4-M16 x 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 x 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 x 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 x 400

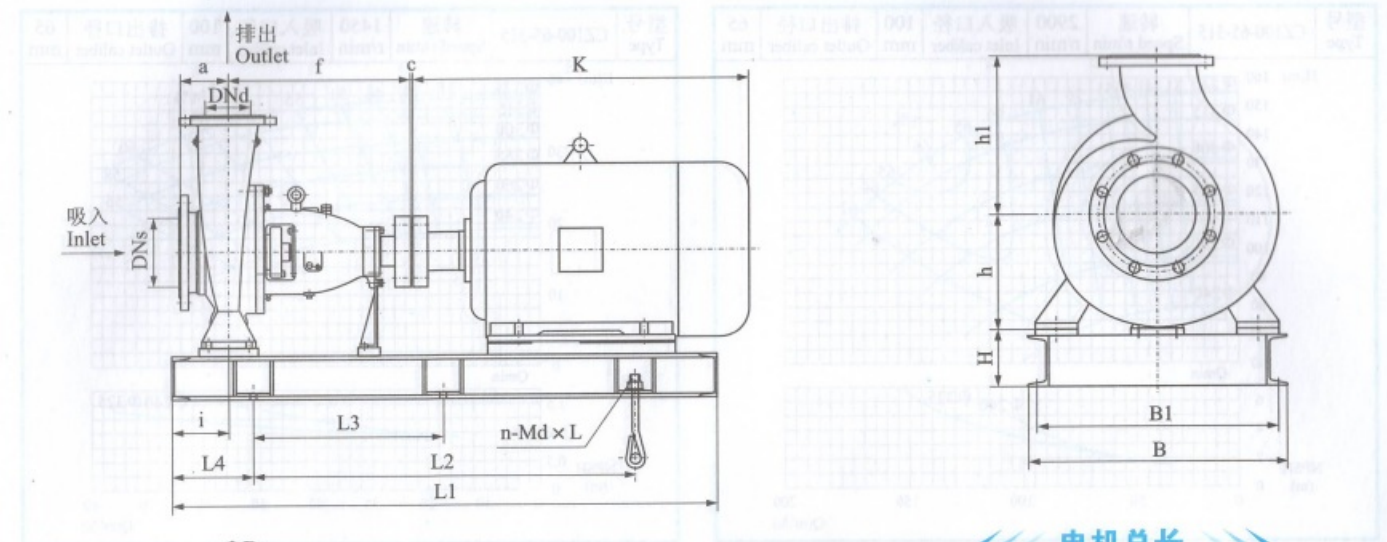
<<< 性能曲线 Performance curve >>>



<<< 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						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			流量 Capacity m³/h	扬程 Head (m)
				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 >>>

<<< 电机总长 >>>
Total length of motor(mm)

机座号 Seat number	K			
	Y	YB	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		

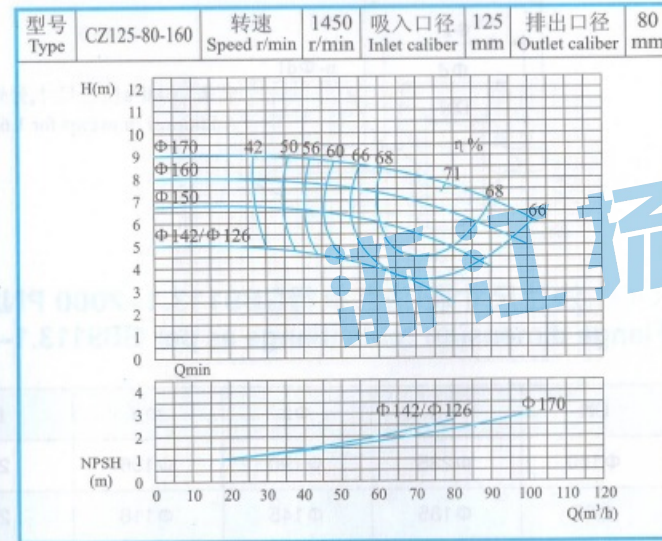
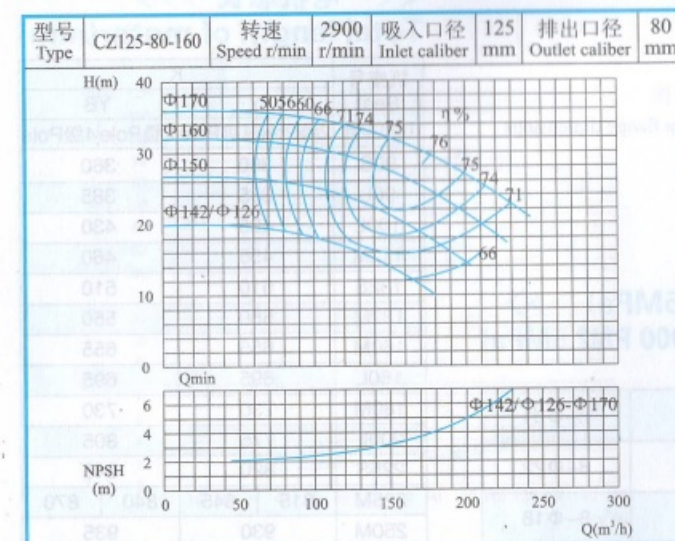
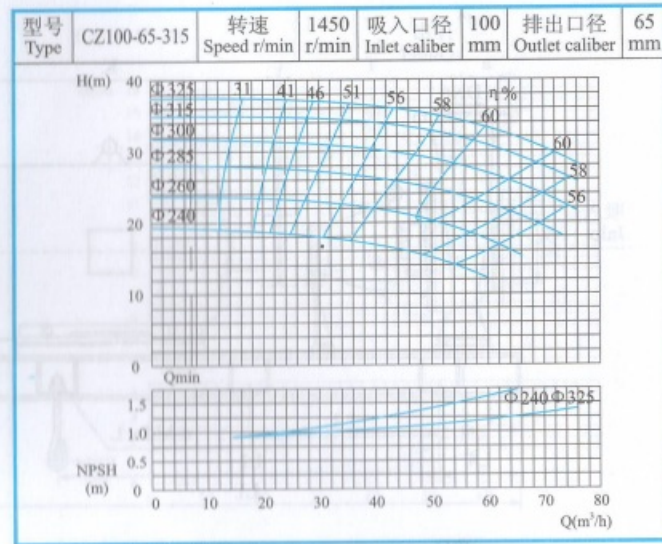
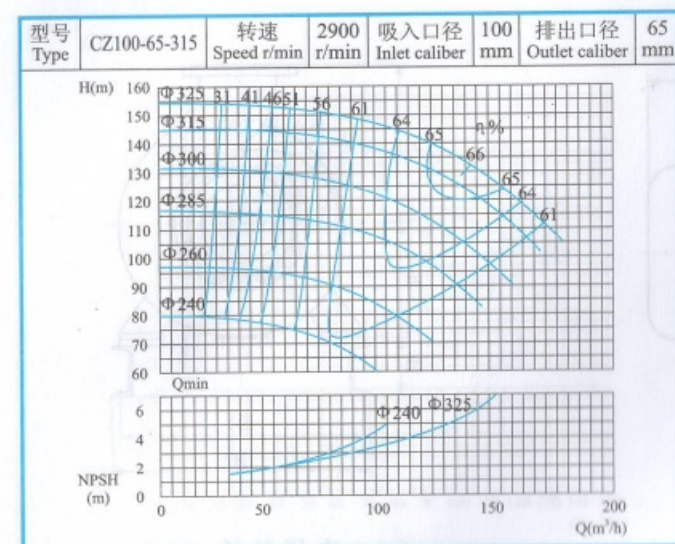
<<< 法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) >>>
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

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

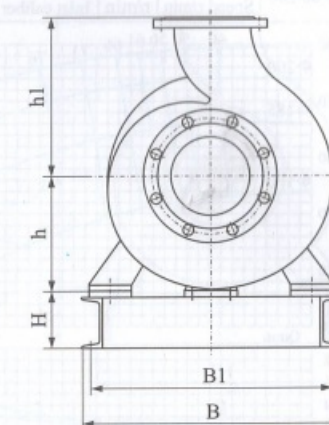
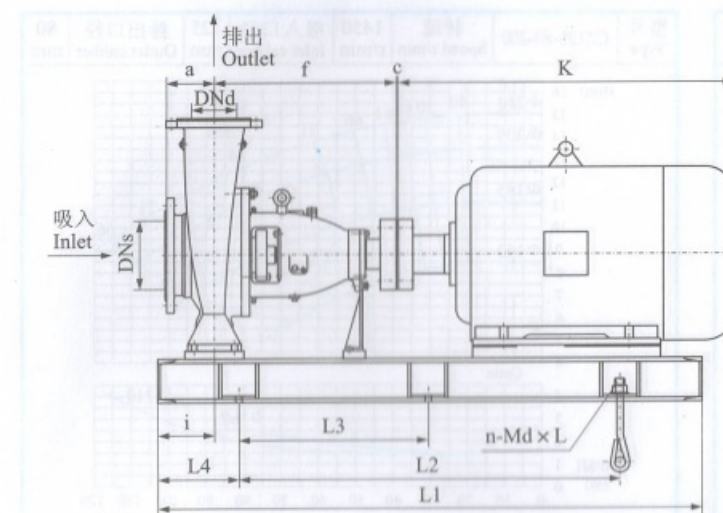
<<< 性能曲线 Performance curve >>>



<<< 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			流量 Capacity m³/h	扬程 Head (m)
				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 >>>

<<< 电机总长 >>>
Total length of motor(mm)

机座号 Seat number	K			
	Y	YB	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

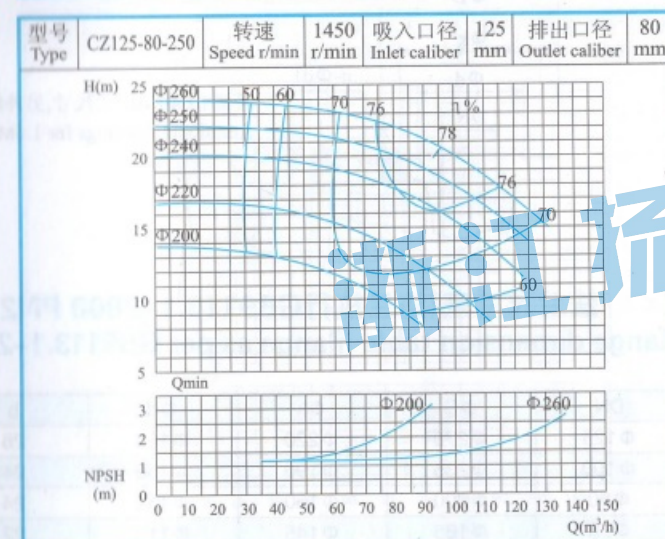
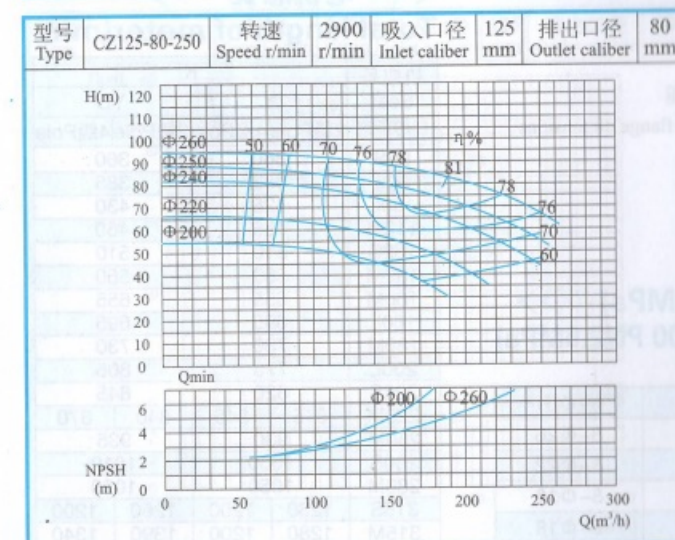
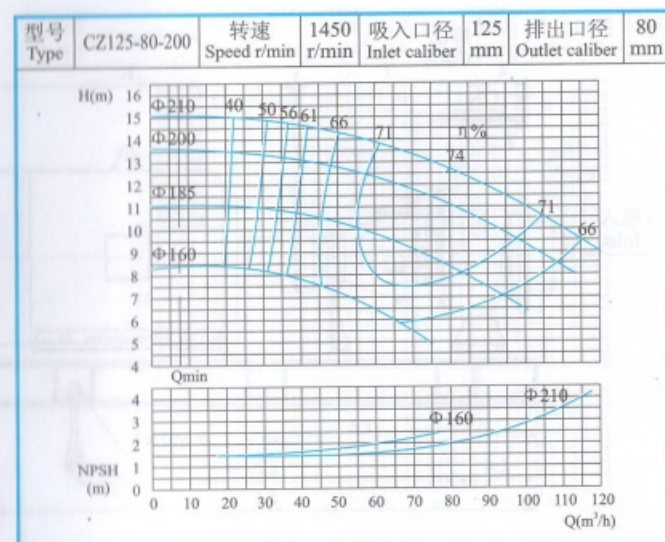
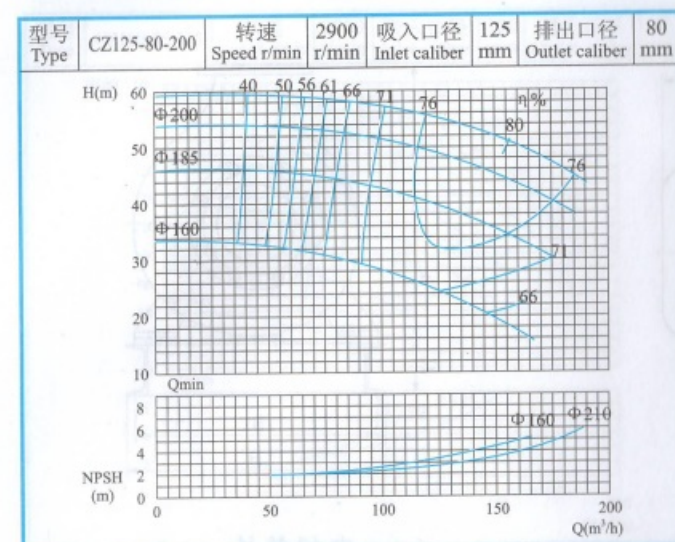
<<< 法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) >>>
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

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	6-M16 × 400
									225M		1600	530	490	1060	530	270	
									250M		190	1600	600	550	1060	530	
									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	

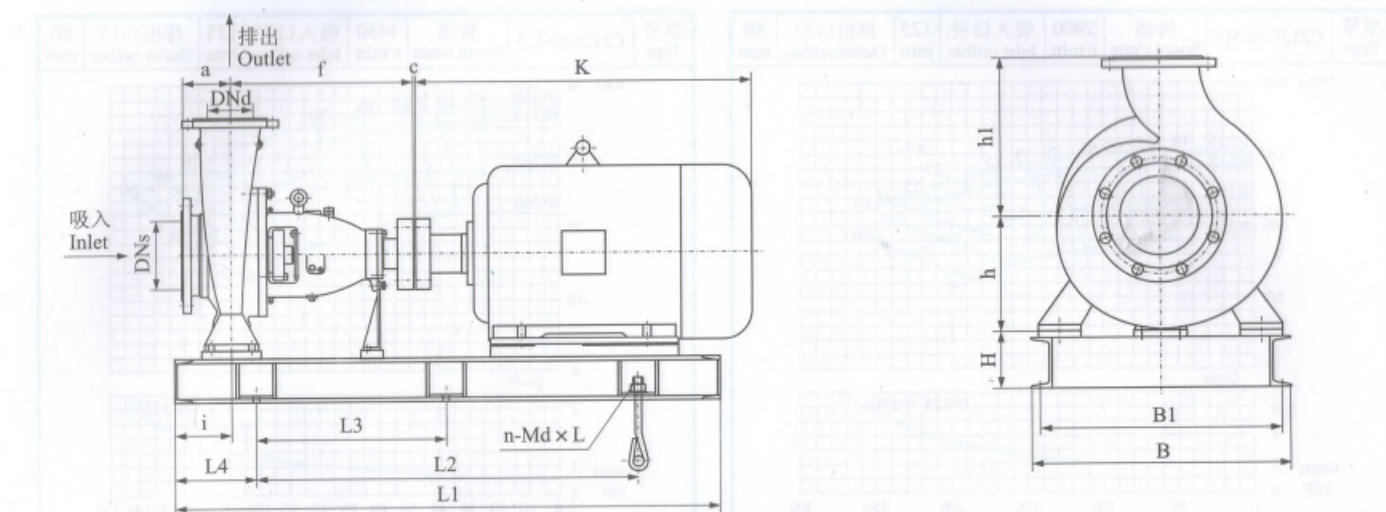
<<< 性能曲线 Performance curve >>>



<<< 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			流量 Capacity m³/h	扬程 Head (m)
				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 >>>

<<< 电机总长 >>>
Total length of motor(mm)

机座号 Seat number	K			
	Y	YB	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		

若需1.6MPa法兰尺寸,另外绘图
Additional drawings for 1.6MPa flange dimensions

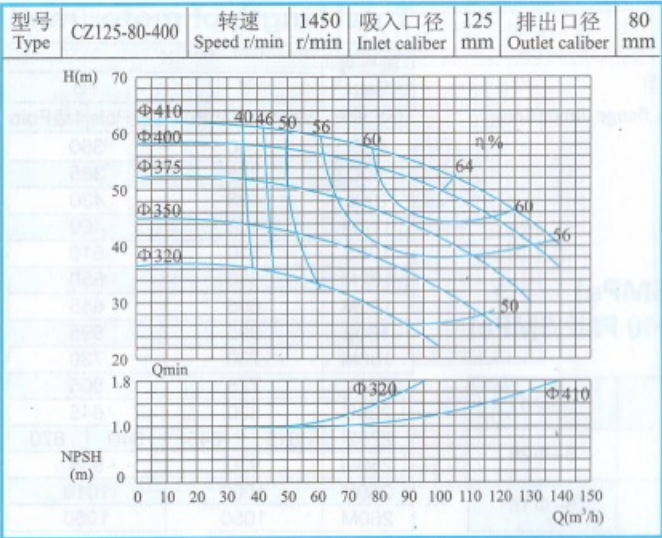
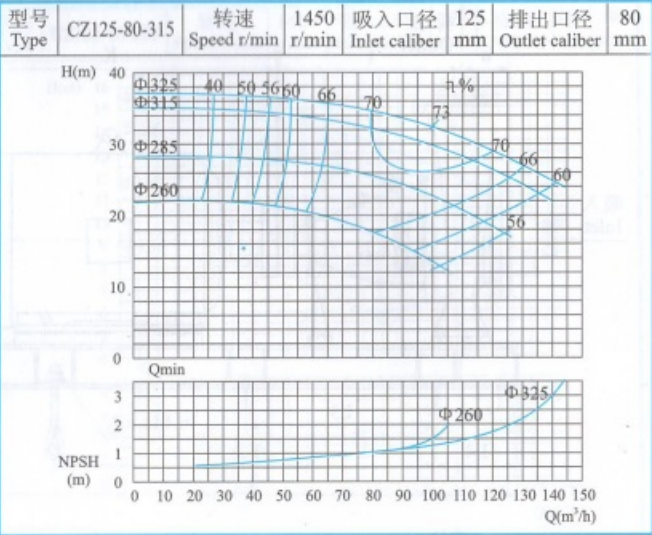
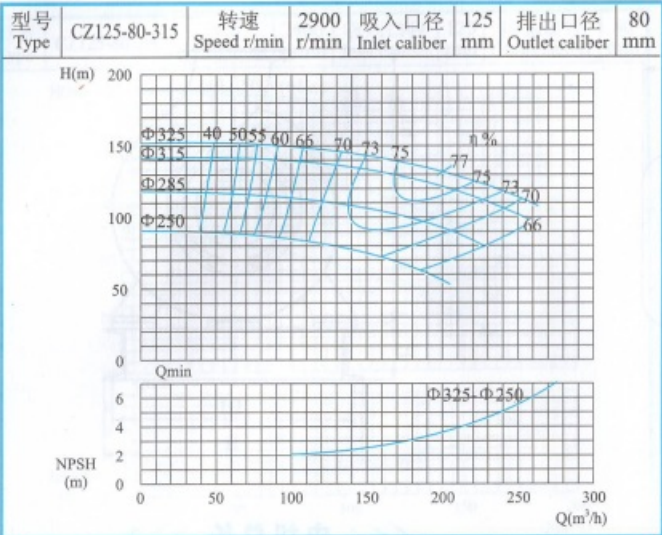
<<< 法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) >>>
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

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

<<< 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 x L
CZ125-80-200	125	80	125	180	250	500	5	90	90S/L	125	1000	390	350	660	0	170	4-M12 x 250
									100L-132M	125	1120	390	350	740	0	190	
									160M/L	125	1250	390	350	840	0	205	
									180M	140	1400	390	350	940	0	230	4-M16 x 400
									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 x 250
									160M/L	125	1250	440	400	840	0	205	
									180M	140	1400	440	400	940	0	230	4-M16 x 400
									200L	170	1400	440	400	940	0	230	
									225M	170	1400	530	490	940	0	230	6-M16 x 400
									250M	190	1600	600	550	1060	530	270	
									280S/M	230	1600	650	600	1060	530	270	

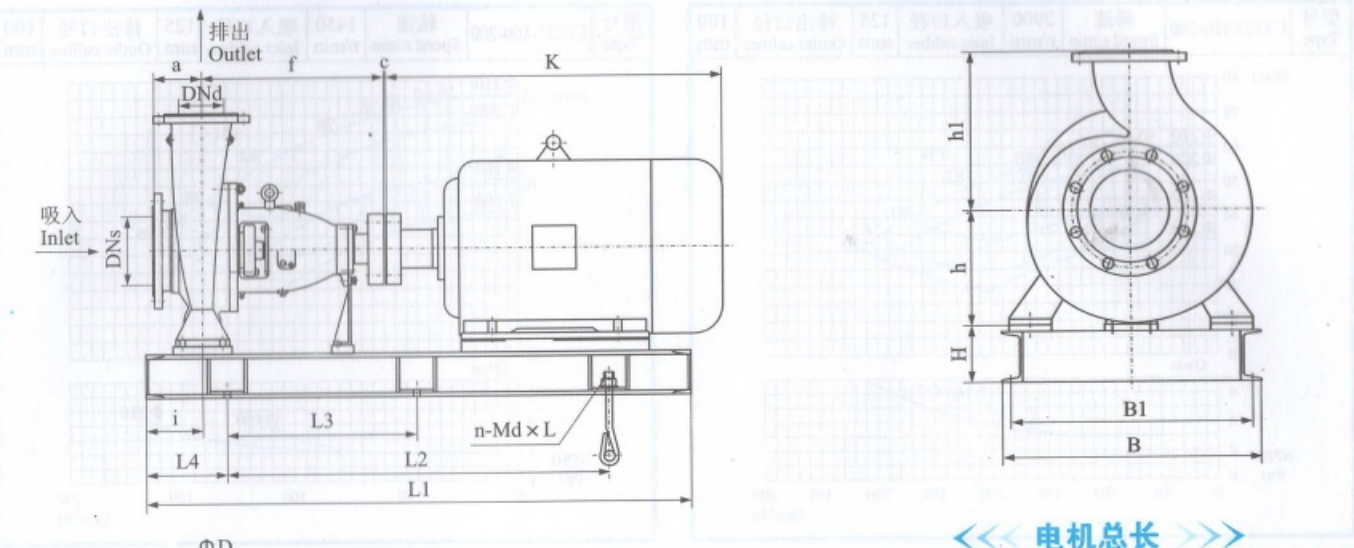
性能曲线 Performance curve



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	
CZ125-80-315	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



电机总长 Total length of motor(mm)

机座号 Seat number	K			
	Y	YB	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

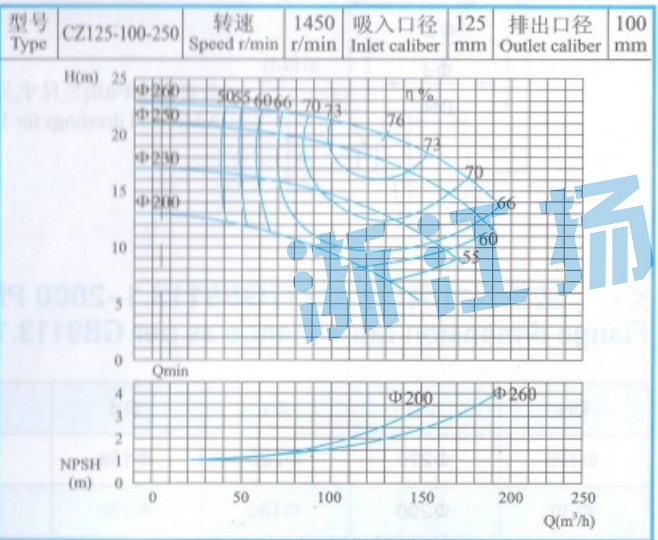
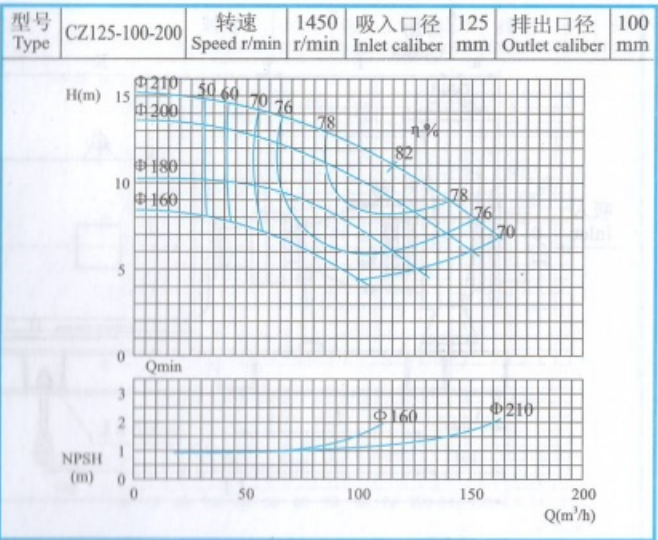
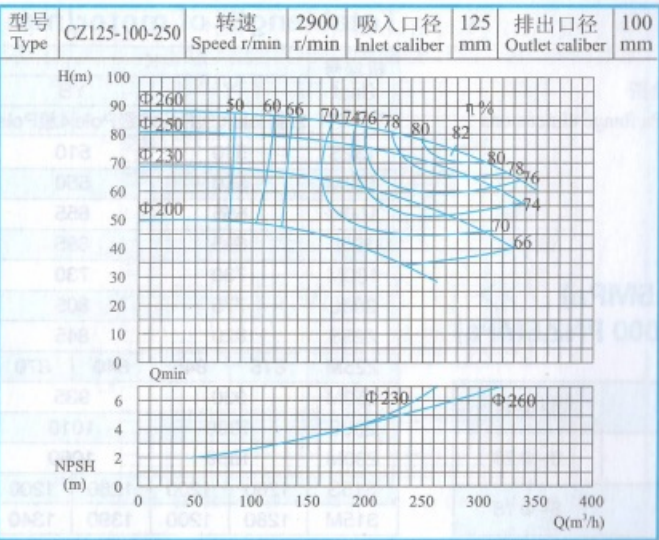
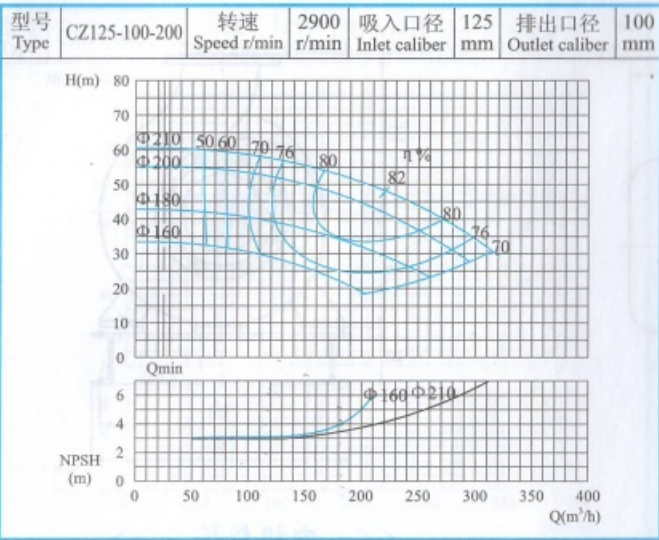
法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

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 x L
CZ125-80-315	125	80	125	250	315	530	5	105	132S/M	125	1250	440	400	840	0	205	4-M12 x 250
									160M~180M	140	1400	440	400	940	0	230	4-M16 x 400
									200L	170	1400	440	400	940	0	230	4-M16 x 400
									225M	170	1600	530	490	1060	530	270	6-M16 x 400
									250M	190	1600	600	550	1060	530	270	6-M16 x 400
									280S/M	230	1600	650	600	1060	530	270	6-M16 x 400
CZ125-80-400	125	80	125	280	355	530	5	105	315S/M	230	1800	720	670	1200	600	300	4-M16 x 400
									132S~200L	140	1400	530	490	940	0	230	4-M16 x 400
									225S/M	170	1600	530	490	1060	530	270	6-M16 x 400

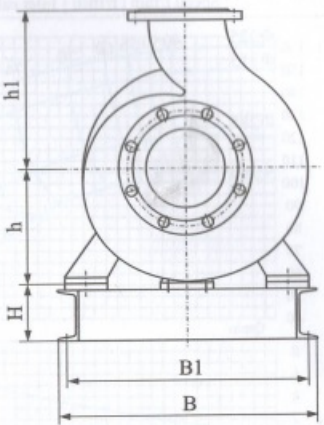
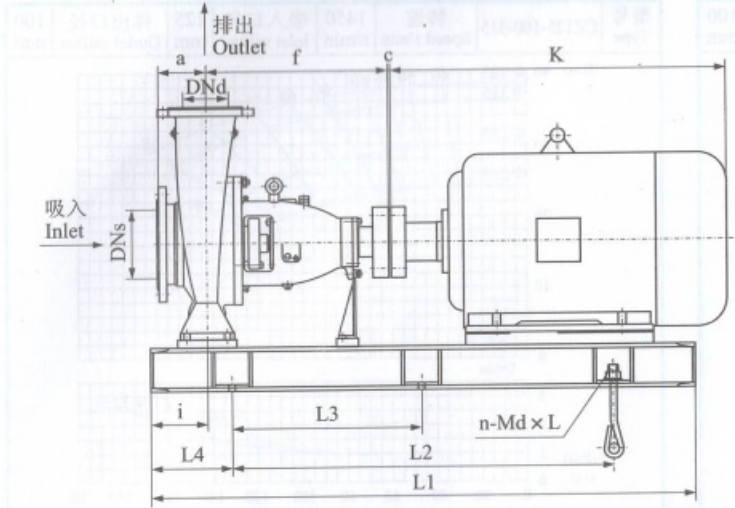
<<< 性能曲线 Performance curve >>>



<<< 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						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	
CZ125-100-200	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 >>>



<<< 电机总长 >>>
Total length of motor(mm)

机座号 Seat number	K			
	Y	4级 Pole	YB	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

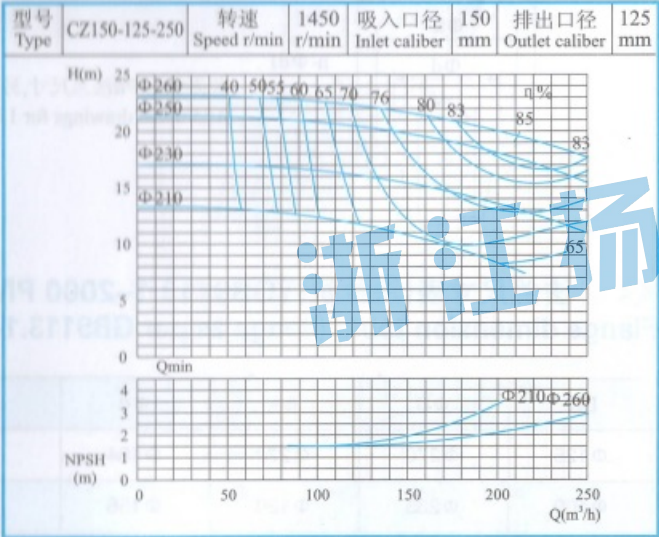
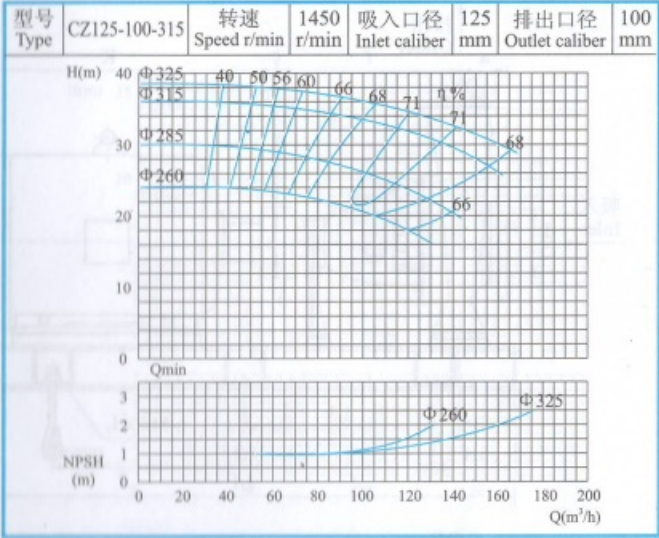
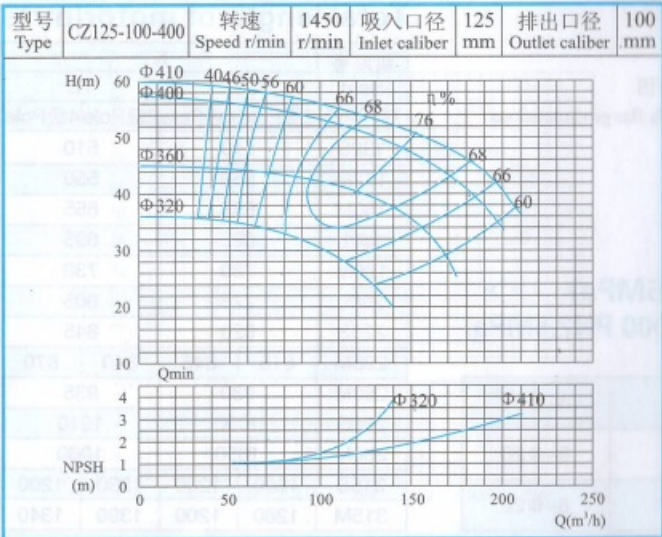
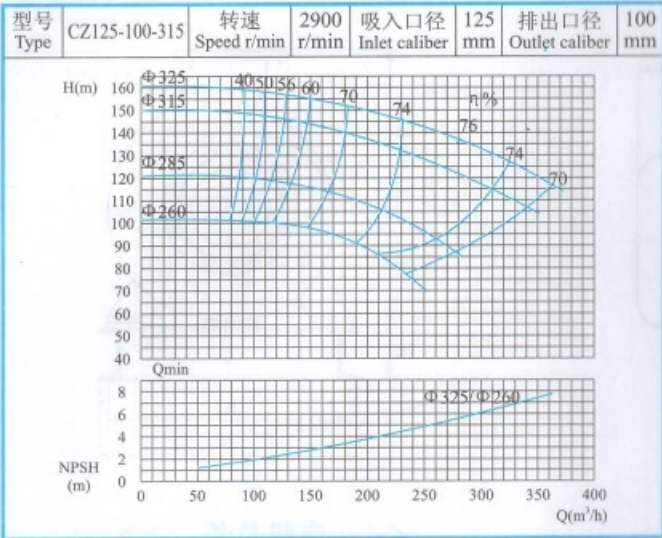
<<< 法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) >>>
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

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 x L
CZ125-100-200	125	100	125	200	280	500	5	105	132S/M	125	1120	390	350	740	0	190	4-M12 x 250
									160M/L	125	1250	390	350	840	0	205	
									180M	140	1400	390	350	940	0	230	
									200L	140	1400	440	400	940	0	230	4-M16 x 400
									225M	170	1400	530	490	940	0	230	
									250M	230	1600	600	550	1060	530	270	6-M16 x 400
CZ125-100-250	125	100	140	225	280	530	5	105	132S/M	125	1250	440	400	840	0	205	4-M12 x 250
									160M/L	140	1400	440	400	940	0	230	
									180M	140	1400	440	400	940	0	230	
									200L	140	1400	440	400	940	0	230	4-M16 x 400
									225M	170	1600	530	490	1060	530	270	
									250M	190	1600	600	550	1060	530	270	
									280S/M	230	1600	650	600	1060	530	270	6-M16 x 400
									315S/M	250	1800	720	670	1200	600	300	

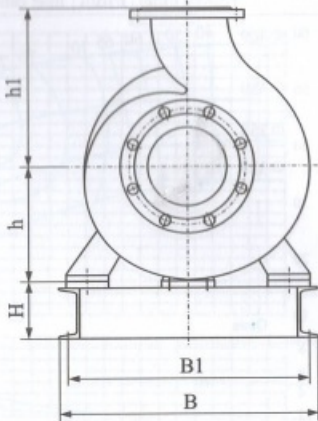
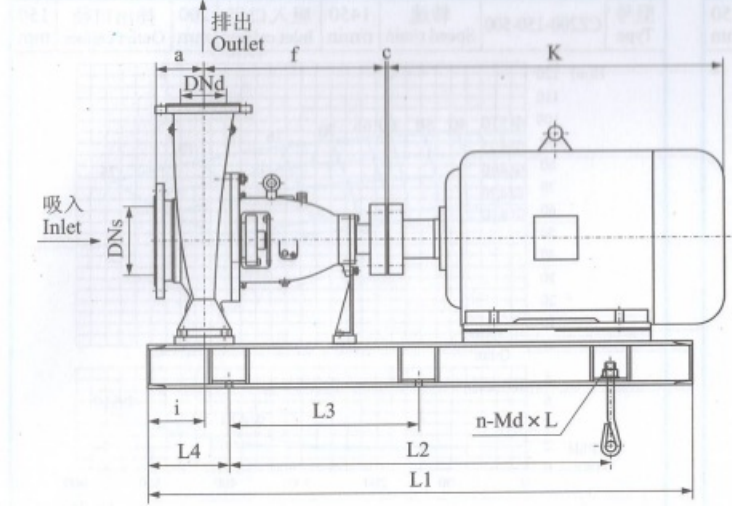
性能曲线 Performance curve



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	
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



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	

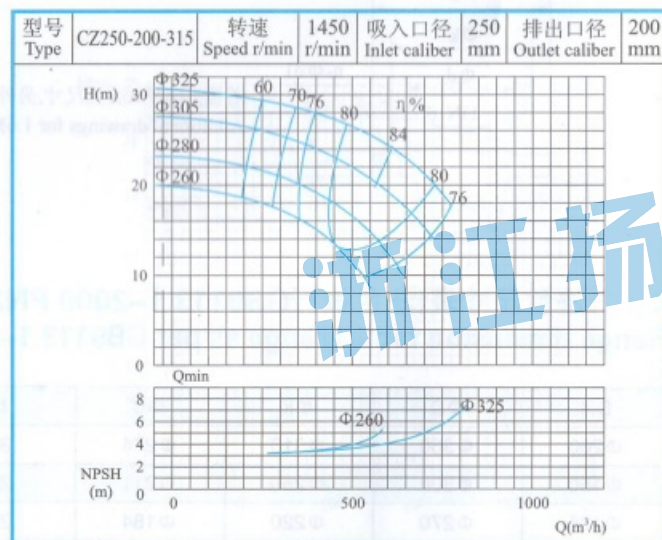
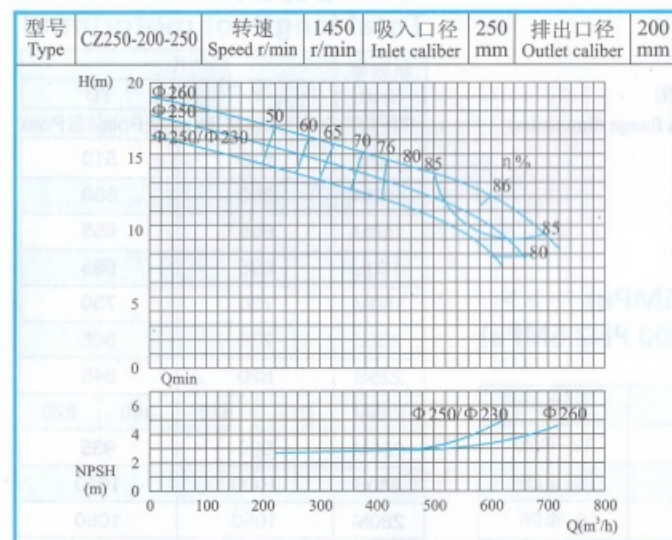
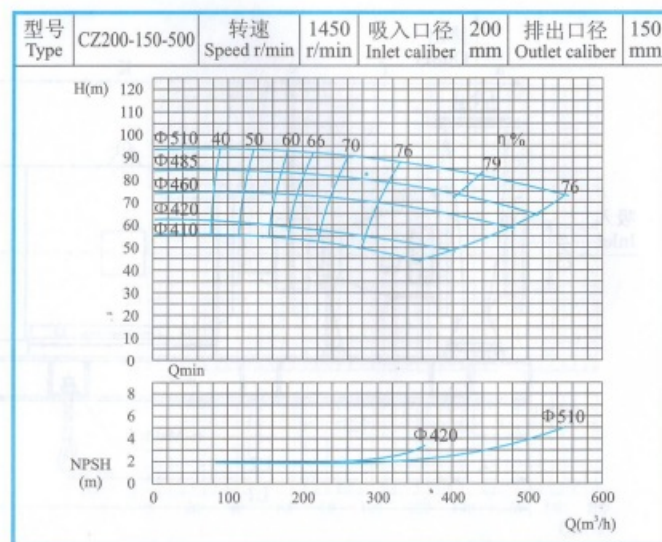
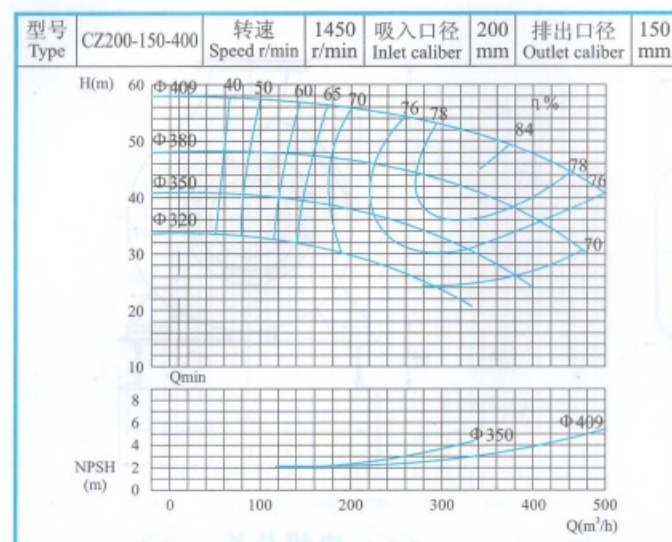
法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

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

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	

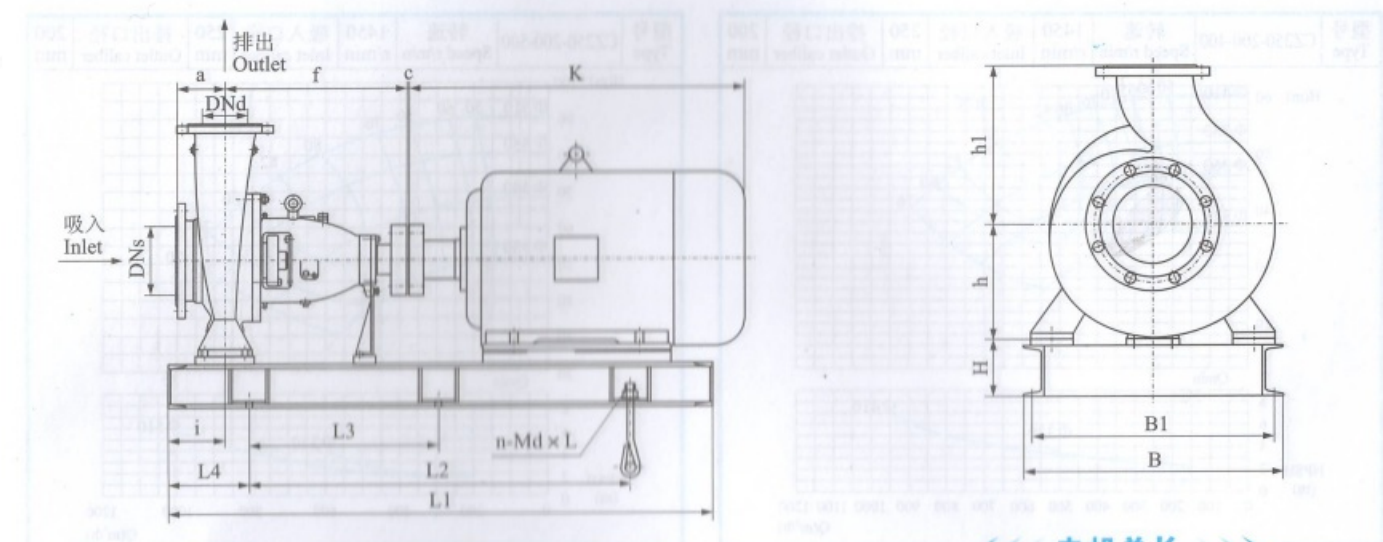
<<< 性能曲线 Performance curve >>>



<<< 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		340	42	75	90	110	
	B	300	34	55	75	90		260	28	45	55	75	
	C	200	28	45	55	75		160	24	37	45	55	
	D	150	20	37	45	55		110	18	30	37	45	
CZ200-150-500	A	420	80	160				360	65	110	160		
	B	400	74	132	160			340	52	75	110	132	
	C	300	48	75	90	110		260	42	55	75	90	
	D	200	34	55	75	90		160	28	45	55	75	
CZ250-200-250	A	600	12	30	37	55		540	11	30	37	55	
	B	540	11	30	37	55		500	10	30	37	45	
	C	450	10	30	37	45		420	10	30	37	45	
	D	360	10	30	37	45		360	10	30	37	45	
CZ250-200-315	A	650	24	75	90	110		600	20	55	75	90	
	B	600	20	55	75	90		550	16	37	55	75	
	C	550	16	37	55	75		500	14	30	45	55	
	D	500	14	30	45	55		450	14	30	45	55	

<<< 外形安装尺寸图 Overall installation dimension diagram >>>

<<< 电机总长 >>>
Total length of motor(mm)

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

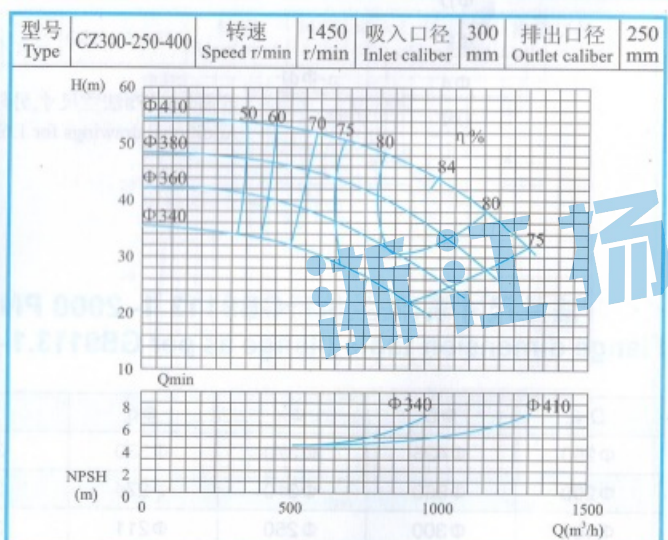
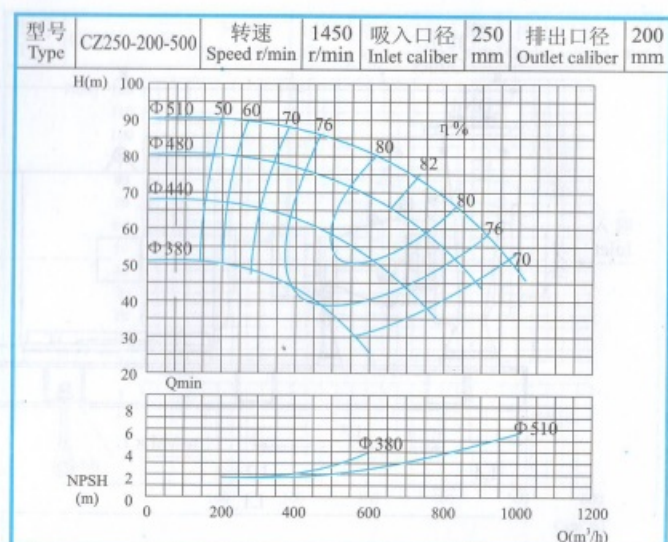
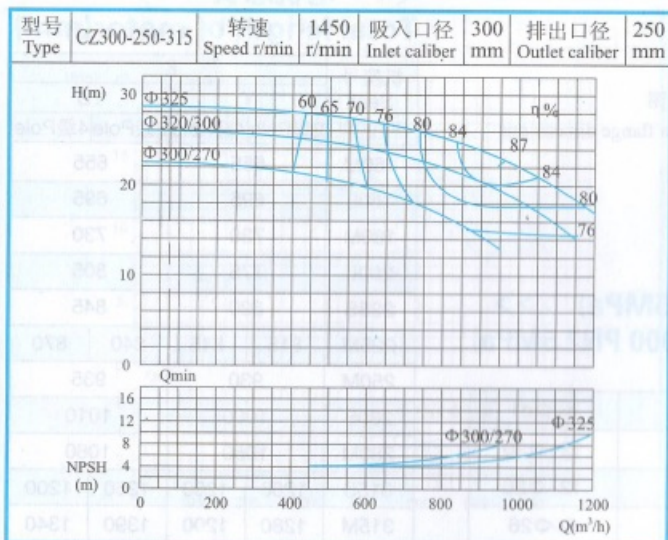
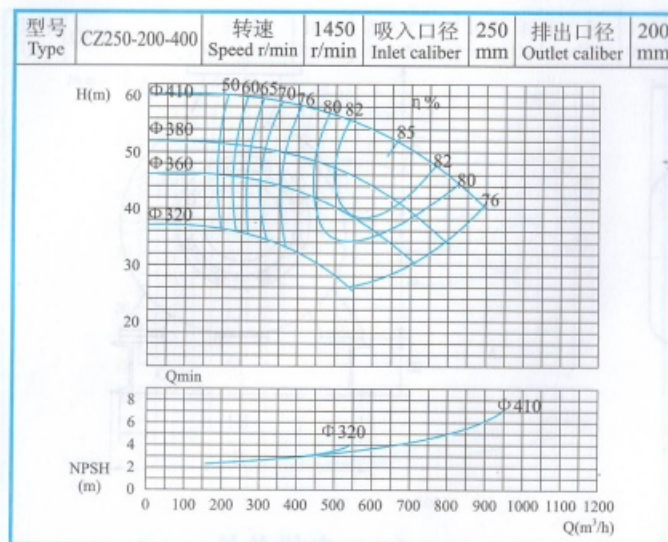
<<< 法兰尺寸表(法兰执行GB9113.1-2000 PN2.5MPa) >>>
Flange dimension table (flange as per GB9113.1-2000 PN2.5MPa)

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 x L
CZ200-150-400	200	150	160	315	450	670	6	125	180M-250M	160	1800	720	670	1200	600	300	6-M16 x 400
								120	280S/M	160	1800	720	670	1200	600	300	
								120	315S/M	160	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 x 400
								120	280S/M	160	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 x 400
								125	180M-225S	160	1600	650	600	1060	530	270	6-M16 x 400
CZ250-200-315	250	200	200	355	450	670	6	125	160M-250M	160	1800	720	670	1200	600	300	6-M16 x 400
								120	280S/M	160	1800	720	670	1200	600	300	

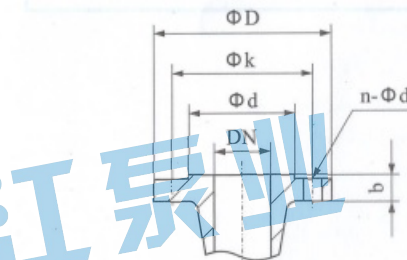
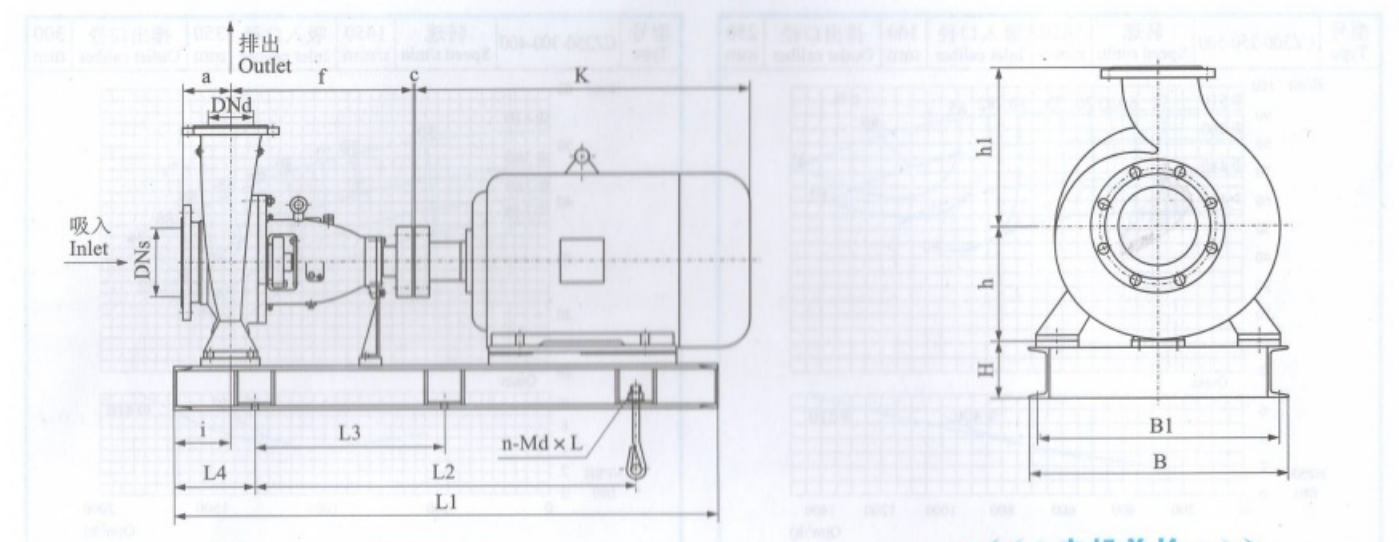
<<< 性能曲线 Performance curve >>>



<<< 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
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

<<< 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

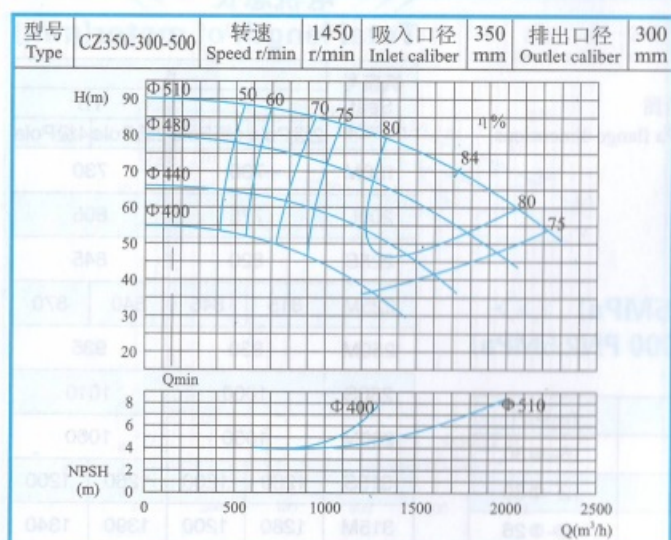
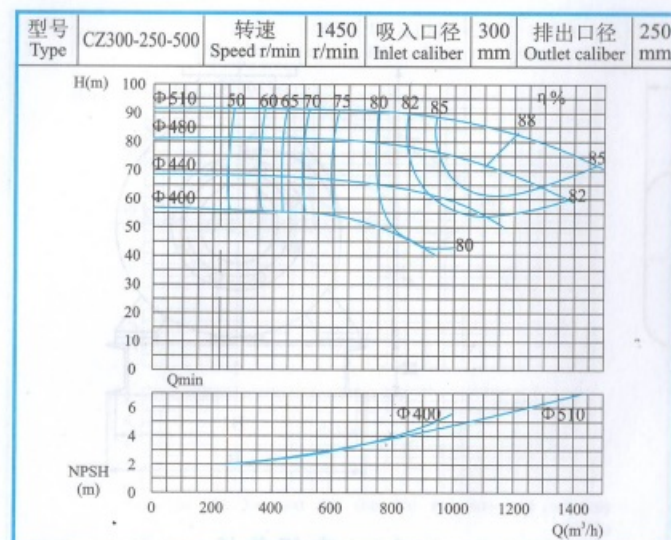
<<< 电机总长 >>>
Total length of motor(mm)

机座号 Seat number	K			
	Y	4级 Pole	2级 Pole	YB
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

<<< 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	

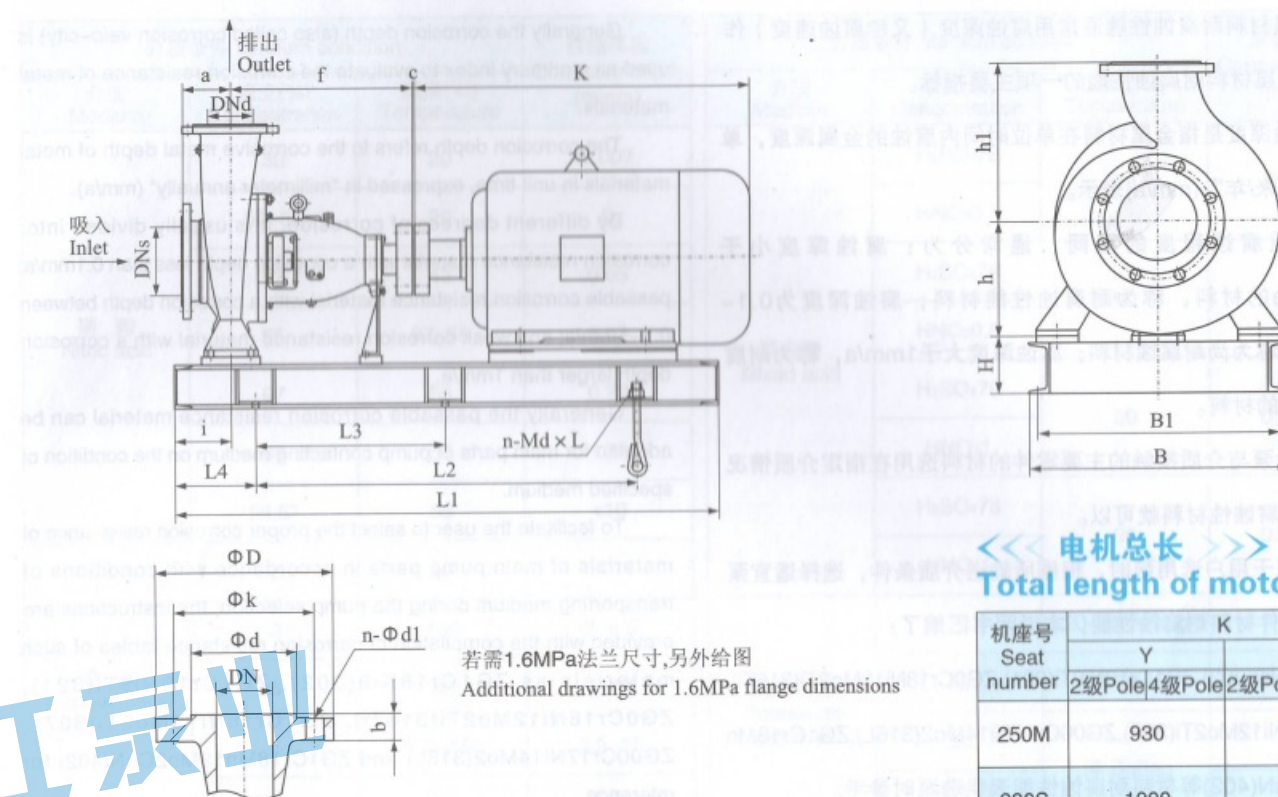
<<< 性能曲线 Performance curve >>>



<<< 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				1200	81	355			
	B	1100	70	315				1100	70	315			
	C	1100	60	250	355			1100	60	250	355		
	D	850	45	160	220	315		850	45	160	220	315	
CZ350-300-400	A	1550	38	220	315			1550	38	220	315		
	B	1400	30	160	220	315		1400	30	160	220	315	
	C	1300	25	132	185	250		1300	25	132	185	250	
	D	1300	24	110	160	200		1300	24	110	160	200	
CZ350-300-500	A	1700	70	450	630			1700	70	450	630		
	B	1500	62	400	500			1500	62	400	500		
	C	1300	50	280	355	500		1300	50	280	355	500	
	D	1100	41	200	280	355		1100	41	200	280	355	

<<< 外形安装尺寸图 Overall installation dimension diagram >>>

<<< 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

<<< 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 x L
CZ300-250-500	300	250	200	425	670	720	6	165	250M~315M	200	2000	870	820	1400	700	300	6-M20 x 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 x 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 x 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。

<<< 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(°C) 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 Boiling	<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(°C) 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(°C) 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
混合酸 Mixed acid	99.67	55	<10
	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		<0.1
	10	20~40	<0.1
	50		<0.1
	80		<0.3
磷酸 Phosphoric acid	10		0.01
	28	80	0.67
	45		0.1~1
	60	60	1.7
	80	110	腐蚀深度过大 Excessive corrosion depth
	1~50	20	<0.1
柠檬酸 Citric acid	5	140	<1
	50	20~140	<0.1
	95		<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(°C) Temperature	
混合酸 Mixed acid	H ₂ SO ₄ 78	20	0.003
	HNO ₃ 0.5		
	H ₂ SO ₄ 78	90	0.05
	HNO ₃ 0.5		
	H ₂ SO ₄ 78	20	0.0018
	HNO ₃ 1		
氢氧化钾 Potassium hydroxide	H ₂ SO ₄ 78	90	0.0251
	HNO ₃ 1		
	20	20~沸 Boiling	<0.1
	50	20	<0.1
氢氧化钠 Sodium hydroxide	50	沸 Boiling	<0.1
	熔化的 Melted		>10
	~12	100	0.0044
重铬酸钾 Potassium dichromate	~35	100	0.008
	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(°C) 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
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
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(°C) 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
草酸 Oxalic acid	2.5	20	<0.1
	2.5	60	<0.1
	2.5	沸 Boiling	<0.1
	10	20	<0.1
氢氧化钾 Potassium hydroxide	10	沸 Boiling	1~3
	50	沸 Boiling	0.1~1
	25	沸 Boiling	<0.1
	50	20	<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(°C) 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
亚硫酸 Sulfurous acid	80	20	<1
	20	20	<0.1
	饱和溶液 Saturated solution	20	<0.1
	潮湿气体 Humid gas	20	<0.1
磷酸 Phosphoric acid	饱和溶液 Saturated solution	160~200 (0.8~2MPa)	<0.1
	1~80	20	<0.1
	1~45	沸腾 Boiling	<0.1
	1	140(0.3MPa)	<0.1
盐酸 Hydrochloric acid	80	60	<0.1
	80	110~沸腾 Boiling	1~3
	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
铬酸 Chromic acid	20	20	<3
	20	60	>10
	30	60	3~10
	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(°C) 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
氢氧化钾 Potassium hydroxide	熔体 Fusant	318	1~3
	25~50	20~沸腾 Boiling	<0.1
	68	120	<0.1
氯 Chlorine	熔体 Fusant	300	1~3
	干燥的 Dry	20	<0.1
	潮湿的 Moist	20	<10
	潮湿的 Moist	100	>10
氯苯 Chlorobenzene	氯水 Chlorine water	20	<1
	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%Cl 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	纤维素煮沸时 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 ₂ O19~21		
熔融尿素 Melted urea	CO ₂ 35	170~180	0.024
	NH ₃ 54~55		
	H ₂ O10		
熔融尿素 Melted urea	尿液30 Urea solution	188	0.17
	甲铵30 Ammonium formate		
	NH ₃ 20		
	H ₂ O20		

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.

<<< 泵组装机示意图 Schematic Diagram For Pump Assembling >>>

