

CDL 立式轻型多级离心泵

CDL Vertical Lightweight Multi-stage
Centrifugal Pump



辰禹（重庆）流体设备有限公司

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一、产品简介 Product Overview

CDL/CDLF 为安装标准电机的非自吸立式多级离心泵，电机轴通过泵头用联轴器直接与泵轴联接，拉杆螺栓将耐压筒、过流部件固定在泵头和进出水段之间，泵进出水口在泵底同一直线上；本泵可根据需要配置智能保护器，对泵干转、缺相、过载等进行有效保护。

The CDL/CDLF is a non-suction vertical multi-stage centrifugal pump designed for standard motor installation. The motor shaft is directly connected to the pump shaft via a coupling through the pump head, while pull rod bolts secure the pressure-resistant cylinder and flow components between the pump head and inlet/outlet sections. The pump's inlet and outlet ports are aligned in a straight line at the base. This pump can be equipped with an intelligent protector as needed to effectively safeguard against dry running, phase loss, and overload conditions.

二、应用领域 Application Area

CDL/CDLF 是一种多功能产品，可以输送从自来水到工业液体的各种不同介质，适应于不同温度、流量和压力范围，CDL 适用于无腐蚀性液体，CDLF 适用于轻度腐蚀性液体。

CDL/CDLF is a versatile product capable of transporting various media ranging from tap water to industrial liquids, adaptable to different temperature, flow rate, and pressure ranges. CDL is suitable for non-corrosive liquids, while CDLF is designed for mildly corrosive liquids.

- ◆ 供水: 水厂过滤与输送, 水厂分区送水、主管增压、高层建筑增压。
- ◆ 工业增压: 流程水系统、清洗系统、高压冲洗系统、消防系统。
- ◆ 工业液体输送: 冷却和空调系统、锅炉给水和冷凝系统、机床配套、酸和碱。
- ◆ 水处理: 超滤系统、反渗透系统、蒸馏系统、分离器、游泳池。
- ◆ 灌溉: 农田灌溉、喷灌、滴灌。
- ◆ Water supply: filtration and conveyance at water treatment plants, zoned water distribution from water plants, main pipeline pressurization, and pressurization for high-rise buildings.
- ◆ Industrial pressurization: process water system, cleaning system, high-pressure flushing system, fire protection system.
- ◆ Industrial liquid transportation: cooling and air conditioning systems, boiler feedwater and condensation systems, machine tool accessories, acids and alkalis.
- ◆ Water treatment: ultrafiltration system, reverse osmosis system, distillation system,

separator, swimming pool.

◆ Irrigation: Field irrigation, sprinkler irrigation, drip irrigation.

三、运行条件 Operational Condition

- 稀薄、干净、非易燃易爆并不含固体颗粒或纤维的液体。
- 液体温度: 常温型 -15°C 至 $+70^{\circ}\text{C}$
- 热水型 -15°C 至 $+120^{\circ}\text{C}$
- 环境温度: 最高 $+40^{\circ}\text{C}$
- 海拔: 最高 1000m
- A thin, clean, non-flammable and non-explosive liquid that does not contain solid particles or fibers.
- Liquid temperature: Ambient type -15°C to $+70^{\circ}\text{C}$.
- Hot water type -15°C to $+120^{\circ}\text{C}$.
- Ambient temperature: Maximum $+40^{\circ}\text{C}$.
- Altitude: Maximum 1000m.

四、电机 Electrical Machinery

- 电机为全封闭，风冷式二极标准电机。
- The motor is a fully enclosed, air-cooled standard two-pole motor.
- 防护等级 Protection rating: IP55
- 绝缘等级 Insulation grade: F
- 标准电压 Standard voltage: 50Hz: 1x220-230/240V
3x200-220/346-380V
3 x220-240/380-415V
3x380-415V

五、型号含义 Model Meaning

CDL F 8-2/1

CDL..... 轻型立式多级离心泵 Light-duty Vertical Multi-stage Centrifugal Pump

F..... (普通型略) 过流部件为不锈钢 304 或 316L The general type is omitted) The flow-through components are made of stainless steel 304 or 316L.

8..... 额定流量 Rated flow m^3/h

2..... 级数 Number of stages

1..... 叶轮数 Number of impellers

CDL F 32-30-2

CDL..... 轻型立式多级离心泵 Light-duty Vertical Multi-stage Centrifugal Pump

F... (普通型略) 过流部件为不锈钢 304 或 316L The general type is omitted) The flow-through components are made of stainless steel 304 or 316L.

32..... 额定流量 Rated flow m^3/h

30..... 级数 x10 Series x10

2..... 小叶轮数 Number of small impellers

CDL F 200-40-2A-B

CDL..... 轻型立式多级离心泵 Light-duty Vertical Multi-stage Centrifugal Pump

F..... (普通型略) 过流部件为不锈钢 304 或 316L The general type is omitted) The flow-through components are made of stainless steel 304 or 316L.

200..... 额定流量 Rated flow m^3/h

40..... 级数 x10 Series x10

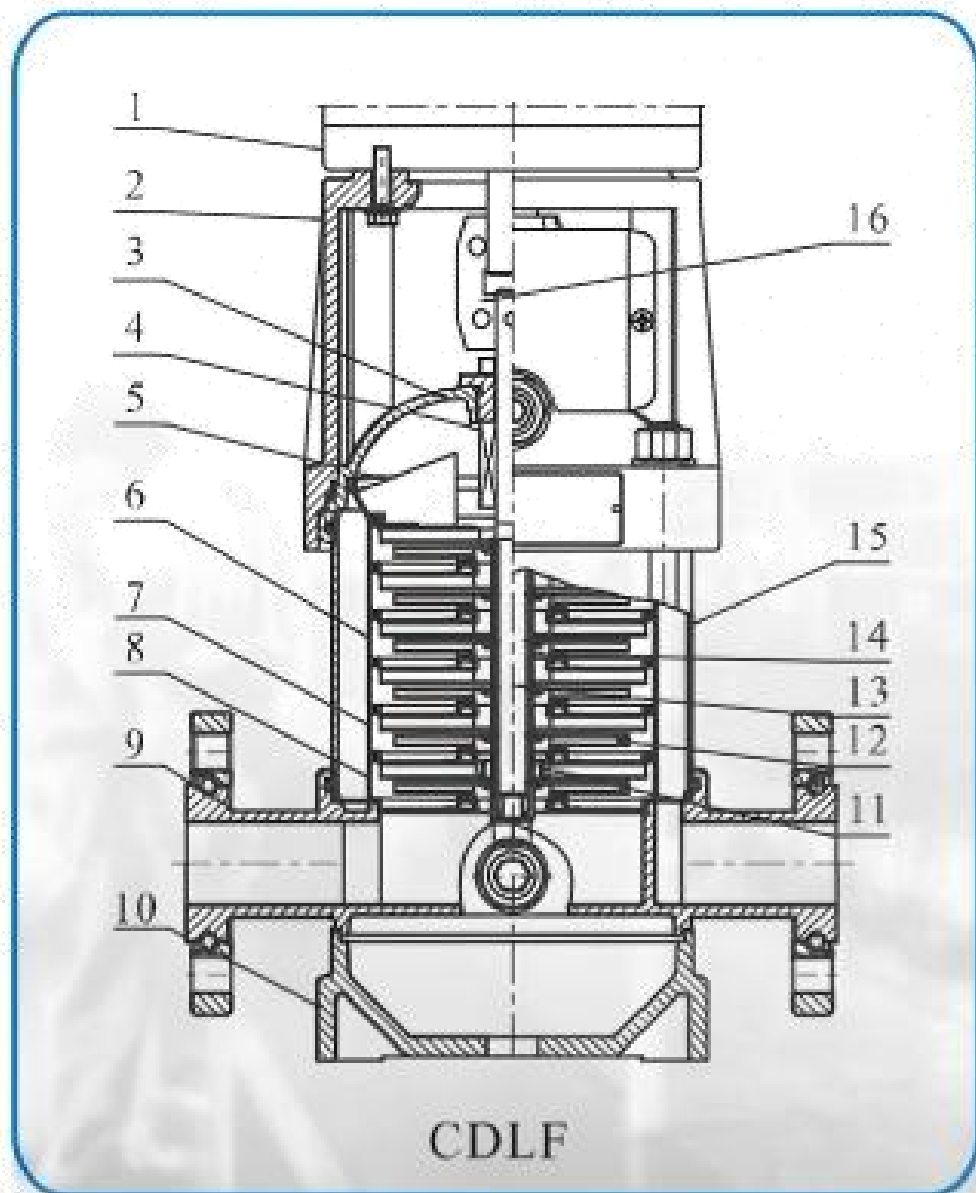
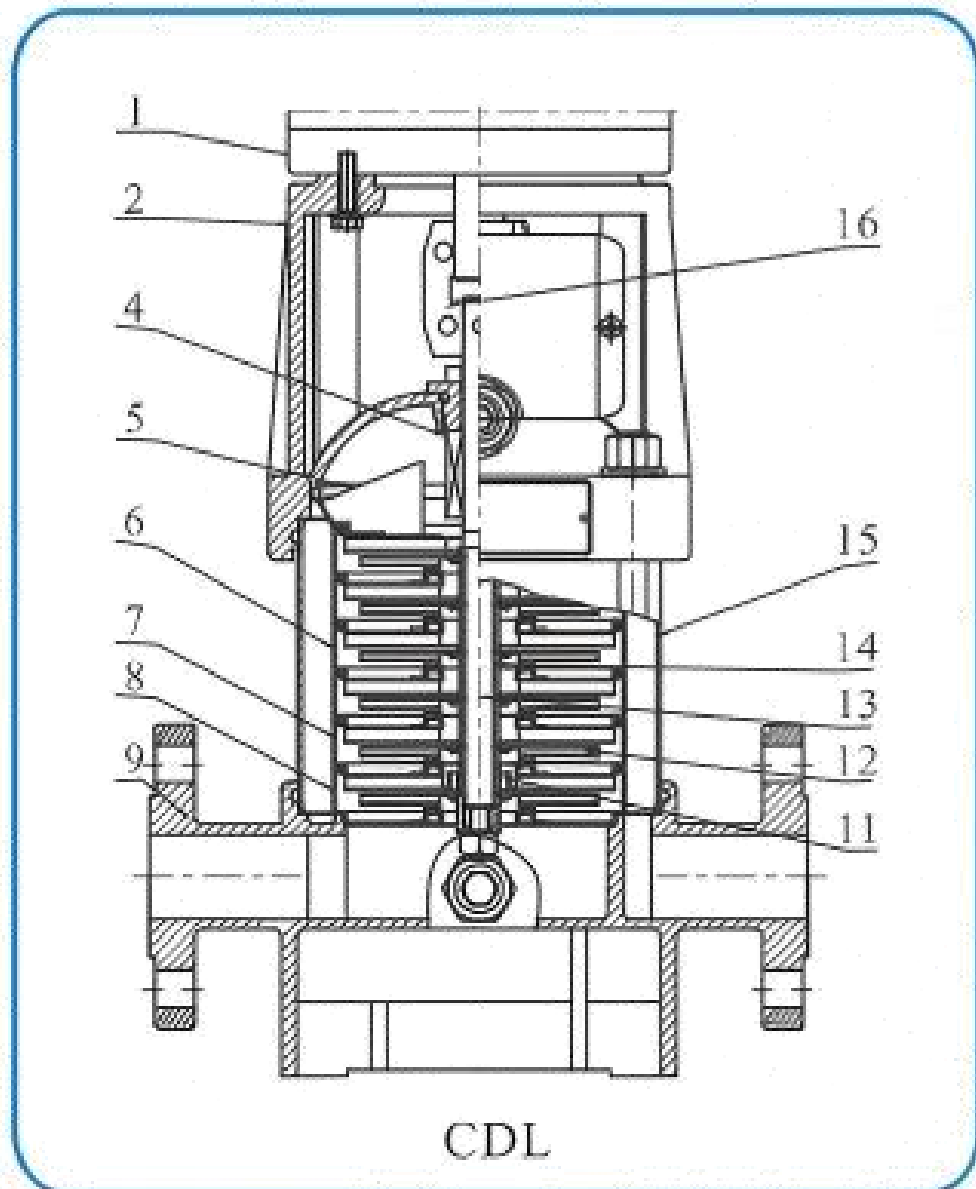
2A..... 2 个小叶轮数 A 2 small lobed impellers A

B..... 1 个小叶轮 B 1 small impeller B

六、截面图及材料表

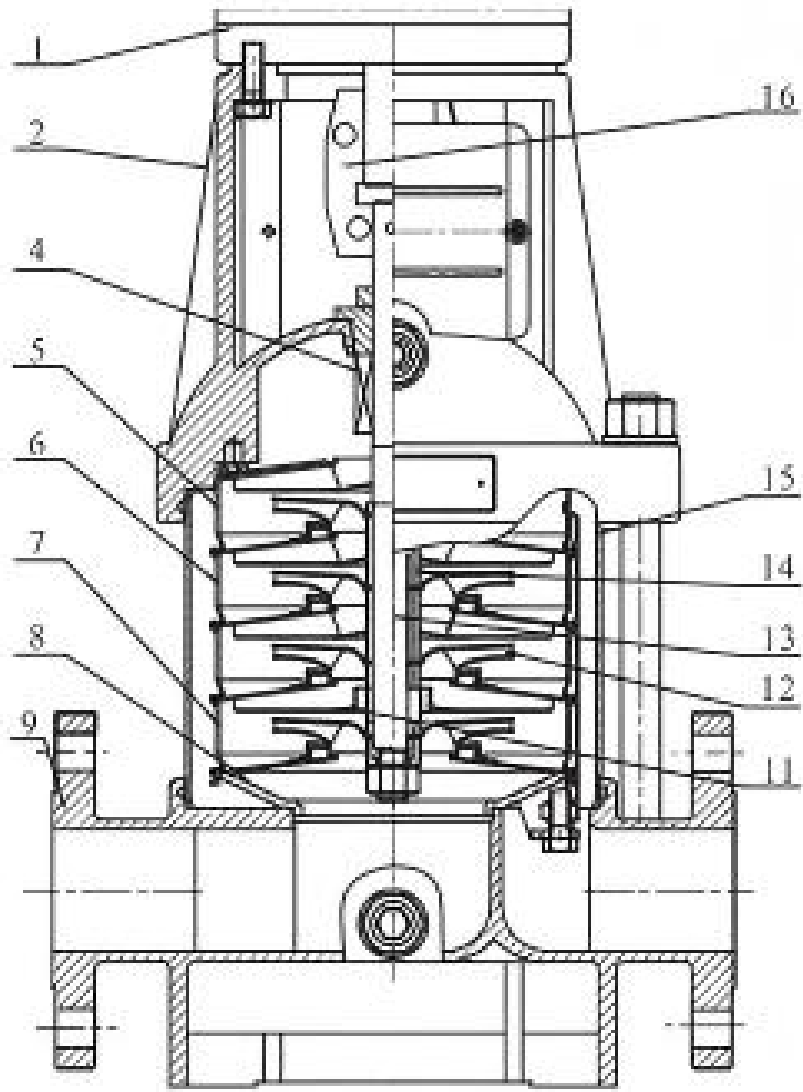
Cross-sectional view and material list

1、CDL, CDLF1, 2, 3, 4

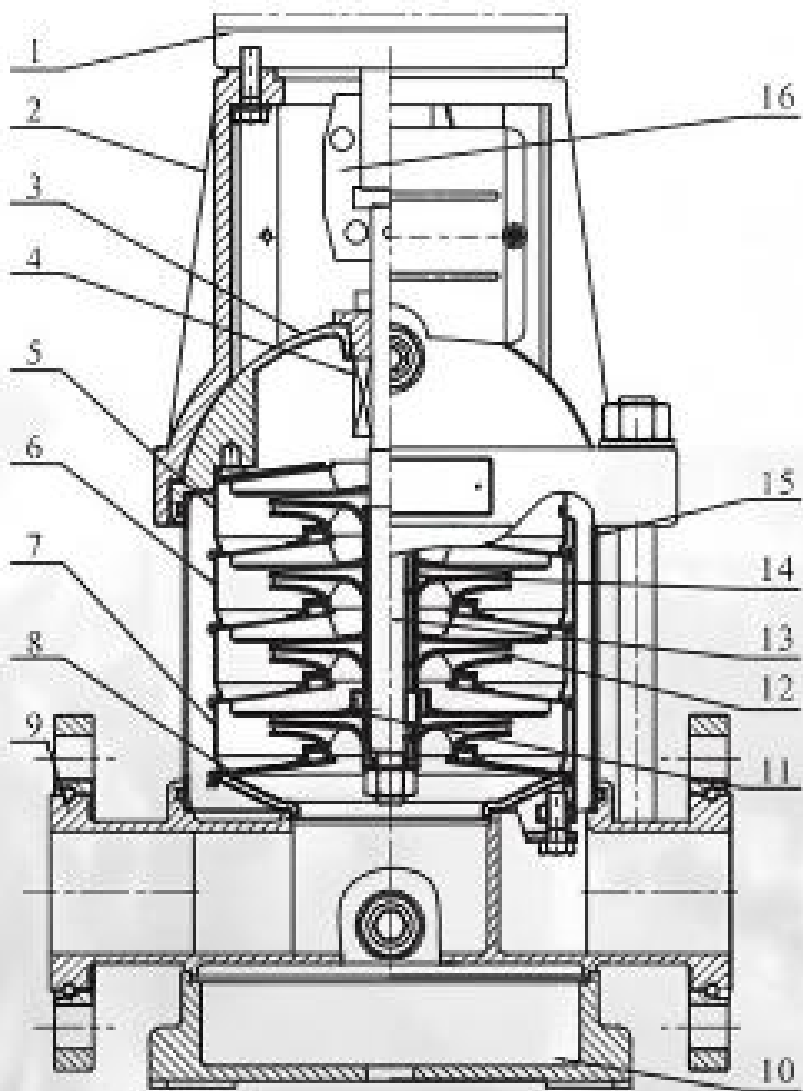


序号	名称 Name	材料 Material	AISI/ASTM
1	电机 electrical machinery		
2	泵头 pump head	铸铁 iron casting	ASTM25B
4	机械密封 mechanical seal		
5	出水导叶 outlet guide vane	不锈钢 stainless steel	AISI304
6	导叶 guide vane	不锈钢 stainless steel	AISI304
7	支撑导叶 support guide vane	不锈钢 stainless steel	AISI304
8	导流器 guiedvane	不锈钢 stainless steel	AISI304
11	轴承 bearing	碳化钨 tungsten carbide	
12	叶轮 impeller	不锈钢 stainless steel	AISI304
13	轴 axle	不锈钢 stainless steel	AISI304 AISI316L
14	叶轮隔套 impeller spacer sleeve	不锈钢 stainless steel	AISI304
15	耐压筒 pressure-resistant cylinder	不锈钢 stainless steel	AISI304
16	联轴器 clutch	碳钢 stainless steel	
CDLF			
3	泵头衬里 pump head lining	不锈钢 stainless steel	AISI304
9	进出水段 inlet and outlet sections	不锈钢 stainless steel	AISI304
10	底座 foundation	铸铁 iron casting	ASTM25B
CDL			
9	进出水段 inlet and outlet sections	铸铁 iron casting	ASTM25B

2、CDL, CDLF8, 10, 12, 15, 20



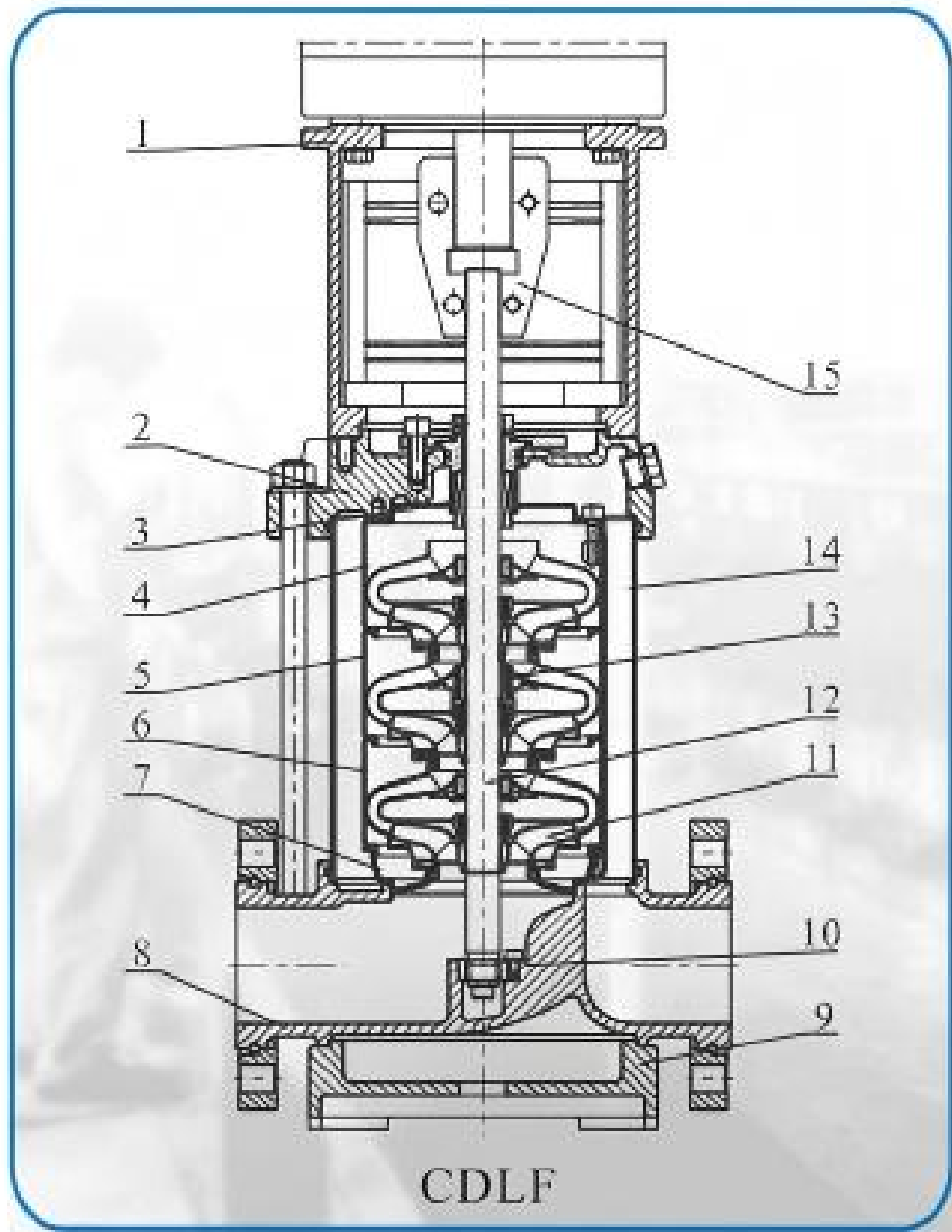
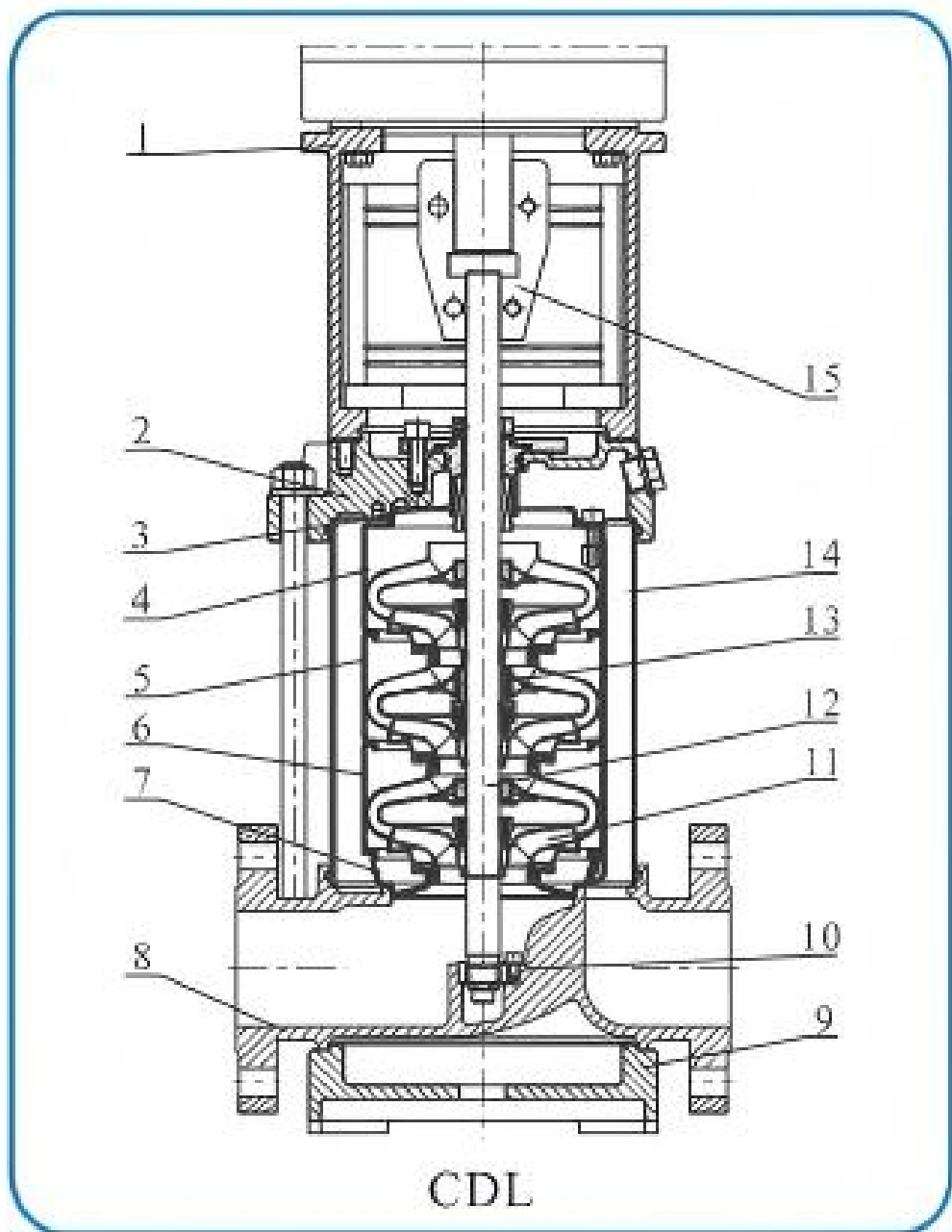
CDL



CDLF

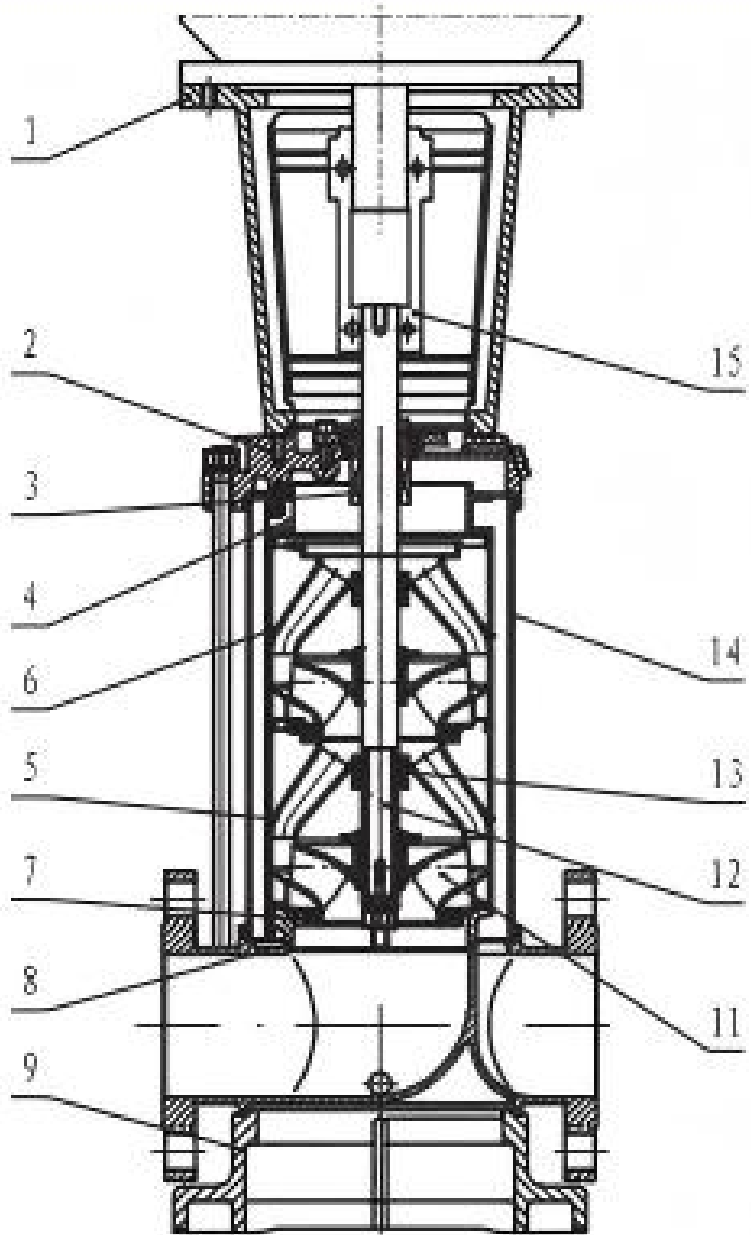
序号	名称 Name	材料 Material	AISI/ASTM
1	电机 electrical machinery		
2	泵头 pump head	铸铁 iron casting	ASTM25B
4	机械密封 mechanical seal		
5	出水导叶 outlet guide vane	不锈钢 stainless steel	AISI304
6	导叶 guide vane	不锈钢 stainless steel	AISI304
7	支撑导叶 support guide vane	不锈钢 stainless steel	AISI304
8	导流器 guidedvane	不锈钢 stainless steel	AISI304
11	轴承 bearing	碳化钨 tungsten carbide	
12	叶轮 impeller	不锈钢 stainless steel	AISI304
13	轴 axle	不锈钢 stainless steel	AISI304 AISI316L
14	叶轮隔套 impeller spacer sleeve	不锈钢 stainless steel	AISI304
15	耐压筒 pressure-resistant cylinder	不锈钢 stainless steel	AISI304
16	联轴器 clutch	碳钢 stainless steel	
CDLF			
3	泵头衬里 pump head lining	不锈钢 stainless steel	AISI304
9	进出水段 inlet and outlet sections	不锈钢 stainless steel	AISI304
10	底座 foundation	铸铁 iron casting	ASTM25B
CDL			
9	进出水段 inlet and outlet sections	铸铁 iron casting	ASTM25B

3、CDL, CDLF32, 42, 65, 68

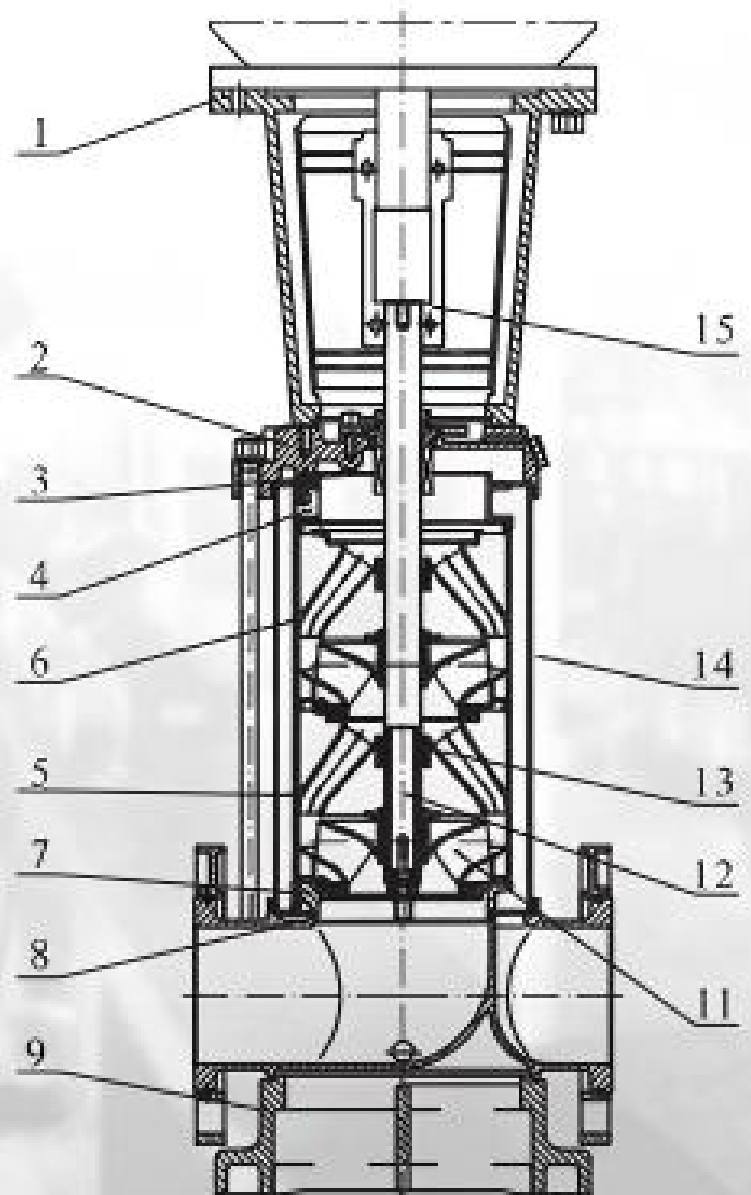


序号	名称 Name	材料 Material	AISI/ASTM
1	支架 bracket	铸铁 iron casting	ASTM25B
3	机械密封 mechanical seal		
4	出水导叶 outlet guide vane	不锈钢 stainless steel	AISI304
5	支撑导叶 support guide vane	不锈钢 stainless steel	AISI304
6	导叶 guide vane	不锈钢 stainless steel	AISI304
7	导流器 guiedvane	不锈钢 stainless steel	AISI304
9	底座 foundation	铸铁 iron casting	ASTM25B
10	下轴承 bearing	碳化钨 tungsten carbide	
11	叶轮 impeller	不锈钢 stainless steel	AISI304
12	轴 axle	不锈钢 stainless steel	AISI304 AISI316L
13	中间轴套 intermediate shaft sleeve	碳化钨 tungsten carbide	
14	耐压筒 pressure-resistant cylinder	不锈钢 stainless steel	AISI304
15	联轴器 clutch	碳钢 stainless steel	
CDL			
2	泵头 pump head	铸铁 iron casting	ASTM25B
8	进出水段 inlet and outlet sections	铸铁 iron casting	ASTM25B
CDLF			
2	泵头 pump head	不锈钢 stainless steel	AISI304
8	进出水段 inlet and outlet sections	不锈钢 stainless steel	AISI304

4、CDL, CDLF120, 150, 200



CDL



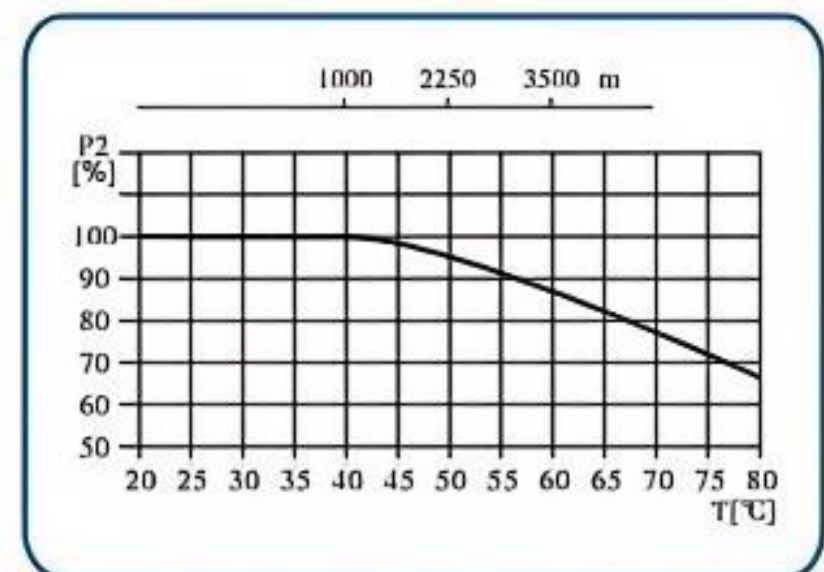
CDLF

序号	名称 Name	材料 Material ²	AISI/ASTM
1	支架 bracket	铸铁 iron casting	ASTM25B
3	机械密封 mechanical seal		
4	出水导叶 outlet guide vane	不锈钢 stainless steel	AISI304
5	支撑导叶 support guide vane	不锈钢 stainless steel	AISI304
6	导叶 guide vane	不锈钢 stainless steel	AISI304
7	导流器 guiedvane	不锈钢 stainless steel	ASTM80-55-06
9	底座 foundation	铸铁 iron casting	ASTM25B
10	下轴承 bearing	碳化钨 tungsten carbide	
11	叶轮 impeller	不锈钢 stainless steel	AISI304
12	轴 axle	不锈钢 stainless steel	AISI304 AISI316L
13	中间轴套 intermediate shaft sleeve	碳化钨 tungsten carbide	
14	耐压筒 pressure-resistant cylinder	不锈钢 stainless steel	AISI304
15	联轴器 clutch	碳钢 stainless steel	
CDL			
2	泵头 pump head	铸铁 iron casting	ASTM80-55-06
8	进出水段 inlet and outlet sections	铸铁 iron casting	ASTM80-55-06
CDLF			
2	泵头 pump head	不锈钢 stainless steel	AISI304
8	进出水段 inlet and outlet sections	不锈钢 stainless steel	AISI304

七、最大环境温度 Maximum ambient temperature

当泵在环境温度大于 40° C 或海拔大于 1000m 下运行时，由于空气密度低冷却效果差，电机输出功率 P，会有一定降低。泵在上述情况下运行电机功率需配大。

When the pump operates at ambient temperatures above 40° C or altitudes exceeding 1,000 m, the low air density results in poor cooling efficiency, leading to a certain reduction in motor output power P. Under these conditions, the pump requires a higher motor power rating.



八、最小进口压力 Minimum Inlet Pressure NPSH

如果泵中的压力低于输送液体的汽化压力，可能发生气蚀，为避免气蚀，确保泵进口侧有一最小压力，最大吸程 H[m] 可按下式计算： $H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$ $P_b = \text{大气压力 [bar]}$

If the pressure in the pump is lower than the vaporization pressure of the liquid being transported, cavitation may occur. To prevent cavitation and ensure a minimum pressure on the pump inlet side, the maximum suction head H[m] can be calculated using the following formula: $H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$. Where $P_b = \text{atmospheric pressure [bar]}$.

(大气压力可设定为 1bar) 在闭式系统中， P_b 为系统压力 [bar] NPSH-净正吸头 [m]

(Atmospheric pressure can be set to 1 bar) In a closed system, P_b denotes the system pressure [bar], while NPSH represents the net positive suction head [m].

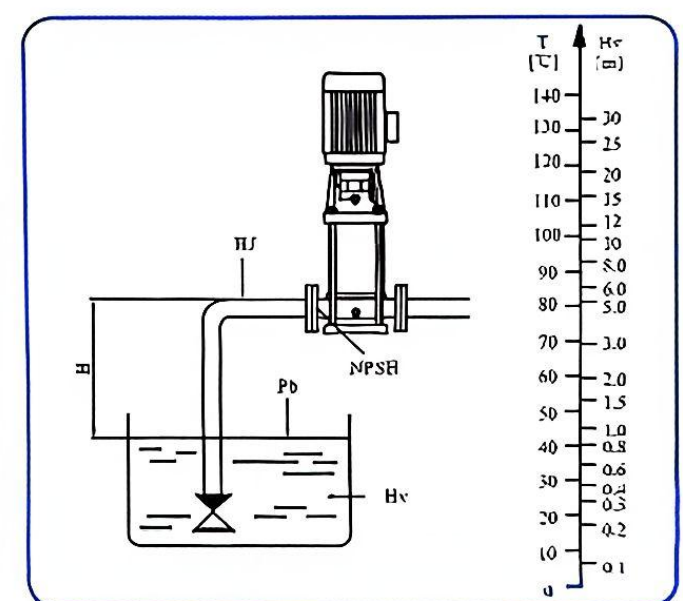
(可从 NPSH 曲线上泵可能的最大流量处读取) $H = \text{入口的管路损失 [m]}$

(Readable from the NPSH curve at the pump's maximum possible flow rate) $H = \text{inlet pipeline loss [m]}$

$H_v = \text{汽化压力 vaporizing pressure [m]}$

$H_s = \text{安全余量} = \text{最小 } 0.5 \text{ m 水头}$ 如计算所得 H 为正值，泵可在最大吸程 H 情况下运行。如计算所得 H 为负值，必须有一最小进口压力 H 的水头。

$H_s = \text{safety margin} = \text{minimum } 0.5 \text{ m head}$. If the calculated H value is positive, the pump can operate at maximum suction head H. If the calculated H value is negative, a minimum inlet pressure H head must be maintained.



检查确保泵不会/没有处于气蚀状态

Check to ensure the pump is not in cavitation mode.

九、性能表 Table of Standard Performance

型号	配用电机 (kW)	Q (m ³ /h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
CDL1-2	0.37	H (m)	13	12.5	12	11.5	11	10.5	10	9.5	9
CDL1-3	0.37		19	18	17.5	17	16.5	16	15	14	12
CDL1-4	0.37		24	23.5	23	22.5	21.5	21	19	18	16
CDL1-5	0.37		30	29.6	29	28	27	26	24	22	20
CDL1-6	0.37		36	35.5	35	33.5	33	31	28	26	23
CDL1-7	0.37		42	41	40.5	39	38	36	33	30	27
CDL1-8	0.55		48	47	46	45	43	41	38	34	30
CDL1-9	0.55		54	53	52	51	49	46	43	39	33
CDL1-10	0.55		60	59	58	57	54	51	48	43	36
CDL1-11	0.55		66	65	63	61	59	56	52	47	40
CDL1-12	0.75		72	71	69	67	64	61	57	51	44
CDL1-13	0.75		78	77	75	73	69	66	62	55	47
CDL1-15	0.75		89	88	86	84	79	76	71	63	55
CDL1-17	1.1		101	99	97	95	89	86	80	71	62
CDL1-19	1.1		113	110	108	106	99	96	89	79	69
CDL1-21	1.1		124	122	120	117	110	106	98	87	75
CDL1-23	1.1		137	133	131	128	121	116	107	96	82
CDL1-25	1.5		149	145	143	139	131	126	116	104	89
CDL1-27	1.5		161	157	155	150	141	136	125	112	95
CDL1-30	1.5		178	175	171	166	157	150	139	124	106
CDL1-33	2.2	196	192	188	183	173	165	154	137	118	
CDL1-36	2.2	214	210	205	200	190	181	169	151	130	

型号	配用电机 (kW)	Q (m ³ /h)	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
CDL2-2	0.37	H (m)	18	17	16	15	13	12	10	8
CDL2-3	0.37		27	26	24	22	20	18	15	12
CDL2-4	0.55		36	35	33	30	26	24	20	16
CDL2-5	0.55		45	43	40	37	33	30	24	20
CDL2-6	0.75		53	52	50	45	40	36	30	24
CDL2-7	0.75		63	61	57	52	47	41	35	28
CDL2-9	1.1		80	78	73	67	61	54	45	37
CDL2-11	1.1		98	95	89	82	73	64	54	44
CDL2-13	1.5		116	114	106	98	89	78	65	52
CDL2-15	1.5		134	130	123	112	100	90	73	60
CDL2-18	2.2		161	157	148	136	121	108	91	76
CDL2-22	2.2		197	192	180	165	148	130	110	90
CDL2-26	3.0		232	228	214	198	179	158	130	110

型号	配用电机 (kW)	Q (m ³ /h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
CDL3-2	0.37	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
CDL3-3	0.37		19	18.5	17.5	16.5	15	14	13	11	9
CDL3-4	0.37		25	24	23	21.5	20	19	18	15	12
CDL3-5	0.37		31	30	29	27	25	23	22	19	16
CDL3-6	0.55		36	35	34	32	30	28	27	23	19
CDL3-7	0.55		43	41	39	37	34	32	31	27	22
CDL3-8	0.75		49	47	45	43	39	37	35	31	25
CDL3-9	0.75		55	53	51	48	45	42	40	35	28
CDL3-10	0.75		61	59	57	54	50	47	45	39	31
CDL3-11	1.1		67	64	61	58	54	51	49	42	34
CDL3-12	1.1		73	70	67	63	58	55	52	45	37
CDL3-13	1.1		78	76	73	69	64	60	57	49	40
CDL3-15	1.1		90	88	84	79	73	69	66	57	46
CDL3-17	1.5		103	100	96	90	83	79	75	64	52
CDL3-19	1.5		115	112	107	100	92	88	83	72	58
CDL3-21	2.2		128	124	119	112	102	98	91	79	64
CDL3-23	2.2		140	135	130	122	112	107	100	86	70
CDL3-25	2.2		151	147	141	131	122	116	109	94	76
CDL3-27	2.2		164	159	152	143	132	124	117	101	82
CDL3-29	2.2		175	170	163	153	142	133	126	109	88
CDL3-31	3.0	187	182	175	165	153	142	135	116	94	
CDL3-33	3.0	199	194	187	176	163	151	145	125	100	
CDL3-36	3.0	218	212	204	192	178	168	159	137	109	

型号	配用电机 (kW)	Q (m ³ /h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
CDL4-2	0.37	H (m)	19	18	17	15	13	10	8
CDL4-3	0.55		28	27	26	24	20	18	13
CDL4-4	0.75		38	36	34	32	27	24	19
CDL4-5	1.1		47	45	43	40	34	31	23
CDL4-6	1.1		56	54	52	48	41	37	28
CDL4-7	1.5		66	63	61	56	48	43	33
CDL4-8	1.5		74	72	70	64	55	50	38
CDL4-10	2.2		96	90	87	81	71	62	48
CDL4-12	2.2		114	108	104	95	85	75	58
CDL4-14	3.0		136	126	122	112	101	89	68
CDL4-16	3.0		152	144	140	129	115	101	78
CDL4-19	4.0		183	171	168	153	137	122	93
CDL4-22	4.0		211	200	192	178	160	138	108

型号	配用电机 (kW)	Q (m ³ /h)	5	6	7	8	9	10	11	12
CDL8-2/1	0.75	H (m)	10	9.5	9.3	9	8.5	8	7	6
CDL8-2	0.75		20	19.5	19	18	17	16	14	13
CDL8-3	1.1		30	29.5	28.5	27	25	24	21	19
CDL8-4	1.5		41	39.5	38	36	34	32	28	26
CDL8-5	2.2		52	50	48	45	42	40	36	32
CDL8-6	2.2		62	60	57	54	51	48	43	39
CDL8-8	3.0		83	80	77	73	69	65	58	52
CDL8-10	4.0		104	100	97	92	87	81	73	65
CDL8-12	4.0		124	120	116	111	104	92	87	78
CDL8-14	5.5		145	141	136	130	122	113	102	92
CDL8-16	5.5		166	161	156	148	139	130	118	106
CDL8-18	7.5		187	182	175	167	157	146	134	120
CDL8-20	7.5		208	202	195	186	175	163	150	135

型号	配用电机 (kW)	Q (m ³ /h)	5	6	7	8	9	10	11	12	13
CDL10-1	0.75	H (m)	9.7	9.3	8.9	8.3	7.7	7	6	5	4
CDL10-2	0.75		19.5	19	18	17	16	15	13.5	11.5	10
CDL10-3	1.1		29.5	29	28	27	25	23	21	18	16
CDL10-4	1.5		39.5	38.5	37.5	36	34	31	28	25	22
CDL10-5	2.2		49.5	48.5	47	44	42	39	35	32	28
CDL10-6	2.2		60	58	56	54	51	48	43	39	34
CDL10-7	3		70	68	66	63	60	56	51	45	39
CDL10-8	3		80	78	75	73	69	64	58	52	44
CDL10-9	3		90	87	85	81	77	72	66	58	50
CDL10-10	4		100	97	95	90	85	80	74	66	56
CDL10-12	4		120	117	114	109	104	96	89	79	68
CDL10-14	5.5		140	137	134	129	122	113	103	92	79
CDL10-16	5.5		160	158	153	148	140	129	119	106	91
CDL10-18	7.5	180	177	172	166	156	145	133	119	102	
CDL10-20	7.5	200	196	191	184	173	162	147	132	114	
CDL10-22	7.5	220	216	210	202	190	178	162	145	126	

型号	配用电机 (kW)	Q (m ³ /h)	7	8	9	10	11	12	13	14	15	16
CDL12-2	1.5	H (m)	23.5	23	22.5	22	21	20	18.5	17	15.5	14
CDL12-3	2.2		35.5	35	34	33	31.5	30	28	26	23.5	21
CDL12-4	3		47	46	45	44	42	40	37	34	31	28
CDL12-5	3		59.5	58	56.5	55	52.5	50	46.5	43	39	35
CDL12-6	4		71.5	70	68	66	63	60	56	52	47	42
CDL12-7	5.5		83.5	82	79.5	77	73.5	70	65.5	61	55	49
CDL12-8	5.5		95.5	94	91	88	84	80	75	70	63	56
CDL12-9	5.5		108	106	103	100	95.5	91	85	79	71.5	64
CDL12-10	7.5		120	118	114.5	111	106	101	94.5	88	80	72
CDL12-12	7.5		143.5	141	137	133	127	121	113.5	106	96	86
CDL12-14	11		168	165	160	155	148	141	132.5	124	112	100
CDL12-16	11		192.5	189	183.5	178	170	162	152	142	128.5	115
CDL12-18	11		217	213	207.5	202	192.5	183	171.5	160	145	130

型号	配用电机 (kW)	Q (m ³ /h)	8	10	12	14	15	16	18	20	22
CDL15-1	1.1	H (m)	12	11.5	11	10.5	10	9.5	8.5	7.5	6.5
CDL15-2	2.2		25	24.5	24	23	22.5	21.5	20	18	16
CDL15-3	3		39	38	37	35	34	33	30	28	25
CDL15-4	4		52	51	49	46	45	44	40	37	33
CDL15-5	4		65	63	61	59	57	55	51	47	42
CDL15-6	5.5		78	76	74	71	69	67	62	57	51
CDL15-7	5.5		92	90	87	83	81	79	73	67	60
CDL15-8	7.5		106	103	100	96	93	90	84	77	69
CDL15-9	7.5		120	117	114	109	106	103	95	87	79
CDL15-10	11		133	130	126	121	118	114	106	97	88
CDL15-12	11		160	157	152	146	142	138	128	117	106
CDL15-14	11		187	182	177	169	165	160	149	137	124
CDL15-17	15		227	222	215	206	201	195	182	167	151

型号	配用电机 (kW)	Q (m ³ /h)	10	12	14	16	18	20	22	24	26	28
CDL20-1	1.1	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
CDL20-2	2.2		27	26.5	26	25	24	23	22	20	18	15
CDL20-3	4.0		40	39.5	39	38	37	35	33	30	27	24
CDL20-4	5.5		54	53	52	51	49	47	44	41	37	33
CDL20-5	5.5		67	66	64	62	60	58	55	50	45	40
CDL20-6	7.5		81	79	77	75	73	70	66	61	55	49
CDL20-7	7.5		95	93	91	89	86	82	77	71	65	58
CDL20-8	11		109	107	105	102	99	94	89	82	75	67
CDL20-10	11		136	134	131	128	124	118	111	103	95	85
CDL20-12	15		164	162	158	154	149	142	133	124	114	102
CDL20-14	15		192	189	185	180	174	166	156	145	133	119
CDL20-17	18.5		234	230	225	219	212	202	190	177	162	145

型号	配用电机 (kW)	Q (m ³ /h)	16	20	24	28	32	36	40	型号	配用电机 (kW)	Q (m ³ /h)	16	20	24	28	32	36	40
CDL32-10-1	1.5	H (m)	14	13	12	11	9	7	4	CDL32-90-2	18.5	H (m)	154	148	140	129	117	102	82
CDL32-10	2.2		18	17	15	14	13	11	8	CDL32-90	18.5		162	156	147	136	124	109	88
CDL32-20-2	3.0		29	28	26	23	20	16	11	CDL32-100-2	18.5		175	166	157	146	131	115	91
CDL32-20	4.0		36	34	32	29	27	23	18	CDL32-100	18.5		182	173	164	152	138	122	98
CDL32-30-2	5.5		47	44	41	38	33	28	21	CDL32-110-2	22		193	184	173	164	146	128	102
CDL32-30	5.5		54	51	48	44	40	35	27	CDL32-110	22		200	191	180	168	153	135	109
CDL32-40-2	7.5		65	62	58	53	46	40	30	CDL32-120-2	22		211	201	189	178	160	140	113
CDL32-40	7.5		72	69	65	59	53	47	37	CDL32-120	22		218	208	196	184	167	147	120
CDL32-50-2	11		83	79	74	68	60	52	41	CDL32-130-2	30		230	218	206	193	174	153	124
CDL32-50	11		90	86	81	74	67	59	47	CDL32-130	30		237	225	213	200	181	160	131
CDL32-60-2	11		101	97	90	83	74	65	51	CDL32-140-2	30		247	235	222	210	189	165	135
CDL32-60	11		108	104	97	90	81	72	57	CDL32-140	30		255	242	229	216	196	172	142
CDL32-70-2	15		119	114	107	98	88	78	60	CDL32-150-2	30		266	253	239	224	203	178	145
CDL32-70	15		126	121	113	105	95	85	67	CDL32-150	30		274	260	246	231	210	185	152
CDL32-80-2	15		136	131	123	114	102	90	71	CDL32-160-2	30		284	270	255	240	218	190	156
CDL32-80	15		144	138	130	120	109	97	77	CDL32-160	30		292	277	262	246	225	197	163

型号	配用电机 (kW)	Q (m ³ /h)	H (m)							
			25	30	35	40	42	45	50	55
CDL42-10-1	3.0	H (m)	20	19	18	17	16	15	13	11
CDL42-10	4.0		24	23	22	21	20	19	18	16
CDL42-20-2	5.5		40	38	36	33	32	30	27	23
CDL42-20	7.5		48	46	44	42	41	39	35	31
CDL42-30-2	11		63	61	58	54	52	50	44	38
CDL42-30	11		71	69	66	63	61	58	53	47
CDL42-40-2	15		87	84	80	75	73	69	62	54
CDL42-40	15		95	92	88	84	81	78	71	62
CDL42-50-2	18.5		111	107	102	96	93	88	80	69
CDL42-50	18.5		119	115	110	105	101	97	88	78
CDL42-60-2	22		135	130	124	117	113	108	97	85
CDL42-60	22		143	138	132	125	122	116	106	93
CDL42-70-2	30		158	152	146	138	134	127	115	100
CDL42-70	30		166	161	154	146	142	135	124	109
CDL42-80-2	30		182	175	168	159	154	146	133	116
CDL42-80	30		190	184	176	167	162	154	141	124
CDL42-90-2	30		205	198	190	180	174	166	150	132
CDL42-90	37		214	207	198	188	183	174	159	140
CDL42-100-2	37		230	221	212	200	194	185	168	147
CDL42-100	37		238	230	220	209	203	193	177	155
CDL42-110-2	45		255	246	236	223	217	206	188	165
CDL42-110	45		263	255	244	232	225	214	196	173
CDL42-120-2	45		280	270	259	245	238	226	206	181
CDL42-120	45		289	280	268	255	247	236	216	190
CDL42-130-2	45		305	294	282	267	259	247	225	198

型号	配用电机 (kW)	Q (m ³ /h)	H (m)						
			30	40	50	60	65	70	80
CDL65-10-1	4.0	H (m)	19	18	16	14	13	11	8
CDL65-10	5.5		27	25	23	21	20	18	15
CDL65-20-2	7.5		39	36	33	29	26	23	17
CDL65-20-1	11		46	44	40	36	33	30	24
CDL65-20	11		53	51	47	43	40	37	30
CDL65-30-2	15		66	62	56	50	46	41	32
CDL65-30-1	15		73	69	63	57	53	48	39
CDL65-30	18.5		80	76	70	64	60	55	46
CDL65-40-2	18.5		92	87	80	71	66	60	47
CDL65-40-1	22		100	94	87	78	73	67	54
CDL65-40	22		107	101	94	85	80	74	61
CDL65-50-2	30		121	114	105	95	88	80	64
CDL65-50-1	30		128	121	112	102	95	87	71
CDL65-50	30		136	129	119	109	102	94	78
CDL65-60-2	30		150	142	131	118	110	101	81
CDL65-60-1	37		157	149	138	125	117	108	88
CDL65-60	37		164	156	145	132	124	115	95
CDL65-70-2	37		179	169	156	141	132	121	99
CDL65-70-1	37		186	176	163	148	139	128	106
CDL65-70	45		193	183	170	155	146	135	112
CDL65-80-2	45	207	196	182	164	154	142	116	
CDL65-80-1	45	215	203	189	171	161	149	123	

型号	配用电机 (kW)	Q (m ³ /h)	II (m)							
			50	60	70	80	85	90	100	110
CDL85-10-1	5.5	II (m)	22	19	17	16	14	13	10	6
CDL85-10	7.5		25	24	22	21	20	19	16	12
CDL85-20-2	11		41	39	36	32	30	28	22	15
CDL85-20	15		53	50	47	44	41	40	36	30
CDL85-30-2	18.5		68	65	60	55	52	49	41	32
CDL85-30	22		81	77	72	67	64	62	55	48
CDL85-40-2	30		98	93	87	80	75	72	62	50
CDL85-40	30		110	105	100	92	86	84	76	66
CDL85-50-2	37		126	120	113	104	98	93	81	68
CDL85-50	37		139	131	124	115	110	106	94	83
CDL85-60-2	45		155	148	139	129	122	117	102	86
CDL85-60	45		168	160	150	141	134	130	117	103

型号	配用电机 (kW)	Q (m ³ /h)	II (m)									
			60	70	80	90	100	110	120	130	140	150
CDL120-10	11	II (m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
CDL120-20-2	15		34	33.6	33	31	30.2	30	28.5	27	25	24
CDL120-20-1	18.5		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
CDL120-20	22		46	45	44.5	43.5	42.4	41	40	38	36	33.5
CDL120-30-2	30		57	56	55	53.5	52	51	49	46.5	43.5	41
CDL120-30-1	30		64	63	62	60	58.5	57.5	55.5	52	49	46
CDL120-30	30		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
CDL120-40-2	37		80.5	79	78	76	73.5	72	69	66	61.5	58
CDL120-40-1	37		87	86	84.5	82	80	78	76	72	68	64.5
CDL120-40	45		92.5	91	90	88	85.5	83	81	77	73	68.5
CDL120-50-2	45		104.5	103	101	99	96	93	90	85.5	80.5	75.5
CDL120-50-1	45		110.5	109	107.5	105	102	100	97	92	86.5	83
CDL120-50	55		115.5	114	113	110	107.5	104.5	101.5	96	91	86
CDL120-60-2	55		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5
CDL120-60-1	55		134	132	130.5	127	124	121	118	111	105	100
CDL120-60	75		139	137	135	132	128.8	126	123	116	110	104
CDL120-70-2	75		151	148	145.5	143	138.6	134	130	123.5	116.5	109
CDL120-70-1	75		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5
CDL120-70	75		162.5	160.5	158.5	155	151	148	145	137	129	123

型号	配用电机 (kW)	Q (m ³ /h)	II (m)										
			80	90	100	110	120	130	140	150	160	170	180
CDL150-10-1	11	II (m)	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
CDL150-10	15		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
CDL150-20-2	18.5		37	35.5	34	33	32	31	29	27.5	26	23	21
CDL150-20-1	22		44.3	43	42	40	39	38.5	37.5	35	33	30	27
CDL150-20	30		50	49	48	47	45.5	44	42	40	37	34	32
CDL150-30-2	30		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
CDL150-30-1	37		70	68	67	65	63	62	60	56	53	49	45
CDL150-30	37		78	76.5	75	73	70.5	68	66	63	59	55	50.5
CDL150-40-2	45		89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
CDL150-40-1	45		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
CDL150-40	55		104	102	100	97	95	91	88	84	79.5	74	68
CDL150-50-2	55		115.5	112	109	106	102.5	100	97	92	86	79	73.5
CDL150-50-1	75		122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
CDL150-50	75		130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5
CDL150-60-2	75		140	137	133	130	126	121	118	112	106	98	91
CDL150-60-1	75		148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5
CDL150-60	75		157	153	149	145	142	139.5	137	130	123.5	116	109

型号	配用电机 (kW)	Q (m ³ /h)	II (m)							
			100	120	140	160	180	200	220	240
CDL200-10-B	18.5	II (m)	25.5	25	24	23	21.5	20	18	15.5
CDL200-10-A	22		29	28.5	27.5	26.5	25.5	24	22	20
CDL200-10	30		38.5	38	37.5	36.5	35	34	32.5	30
CDL200-20-2B	37		53	51	49	47	44	41	37	32
CDL200-20-2A	45		59.5	58	56	54	52.5	49	44.5	40.5
CDL200-20-A	55		69	68	66	64	62	59	55.5	51
CDL200-20	55		78.5	77.5	76	74	71.5	69	66	61.5
CDL200-30-2B	75		91.5	89	86.5	83.5	79	75	70	63
CDL200-30-A-B	75		95	93	90	87	83.5	79	73.5	67
CDL200-30-2A	75		99.5	97.5	94.5	91.5	89	84	78.5	72
CDL200-30-B	75		104.5	102.5	100	97	93	89	84.5	77.5
CDL200-30-A	75		108	106	103.5	100.5	97.5	93	88	81.5
CDL200-30	90		117.5	116	113.5	110.5	107	103	99	92
CDL200-40-2B	90		131.5	129	125.5	121	115.5	110	103.5	94
CDL200-40-2A	110		138.5	136	132	128	124	118	111	102.5
CDL200-40-A	110		148	145.5	142.5	138	134	128	122	113
CDL200-40	110		157.5	155.5	152.5	148	143.5	138	132.5	123.5