



川源(中国)机械有限公司
GSD (China) Co., Ltd.



Vertical Dry Pit Non-Clog Pump

CVDC立式干井式不堵塞泵

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CVDC vertical dry pit non-clog pump



用途 Application

- 污水处理厂污泥及污物抽送。
- 生活废水及工厂污水抽送。
- Wastewater treatment plant sewage and sludge pumping equipment.
- Municipal and industrial wastewater pumping equipment.

特点

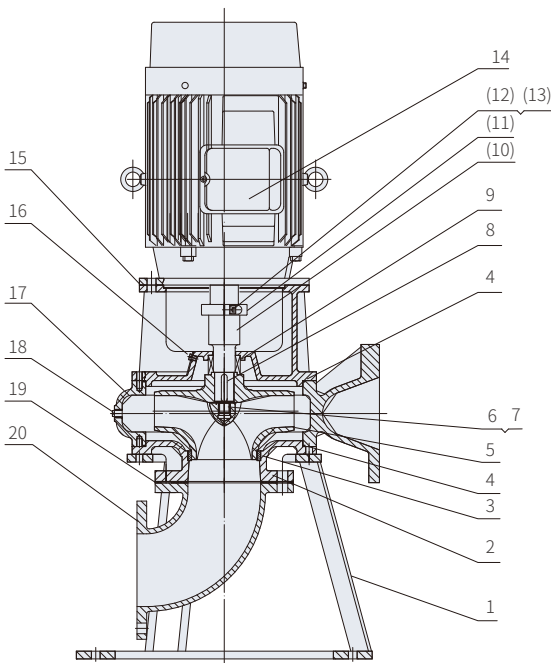
- 机组采用立式结构：30kW以下，泵与标准轴电机通过套筒轴连接（图一）；30kW及以上，泵与特制加长轴电机直接连接（图二）。该结构具有同心度高、占地面积小、投资成本低的特点。
- 叶轮为不堵塞型结构，流道宽大，污物容易通过，效率高，所有叶轮均经动、静平衡校正，运转平稳，寿命长。
- 使用全封闭滚珠轴承，可承受泵浦工作时所产生之轴向力。

Features

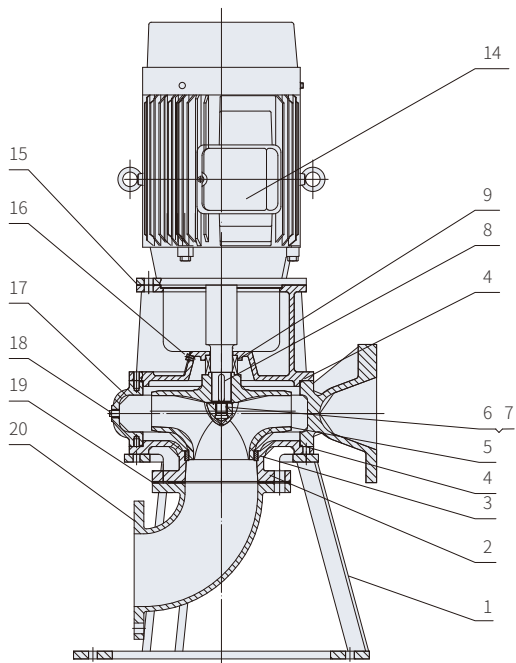
- The unit adopts a vertical structure: for models below 30kW, the pump is connected to the standard shaft motor via a sleeve shaft (Figure 1); for models of 30kW and above, the pump is directly coupled to a custom-made elongated shaft motor (Figure 2). This design offers high concentricity, a compact footprint, and lower investment costs.
- Non-clog impeller is designed to allow sizable spherical solids to pass the flow passage easily without clogging. High efficiency. All impeller have been well statically & dynamically balanced.
- Operating stably and having long operating life. Full closed ball bearings add protection for high loads.



结构简图 Construction



图一



图二

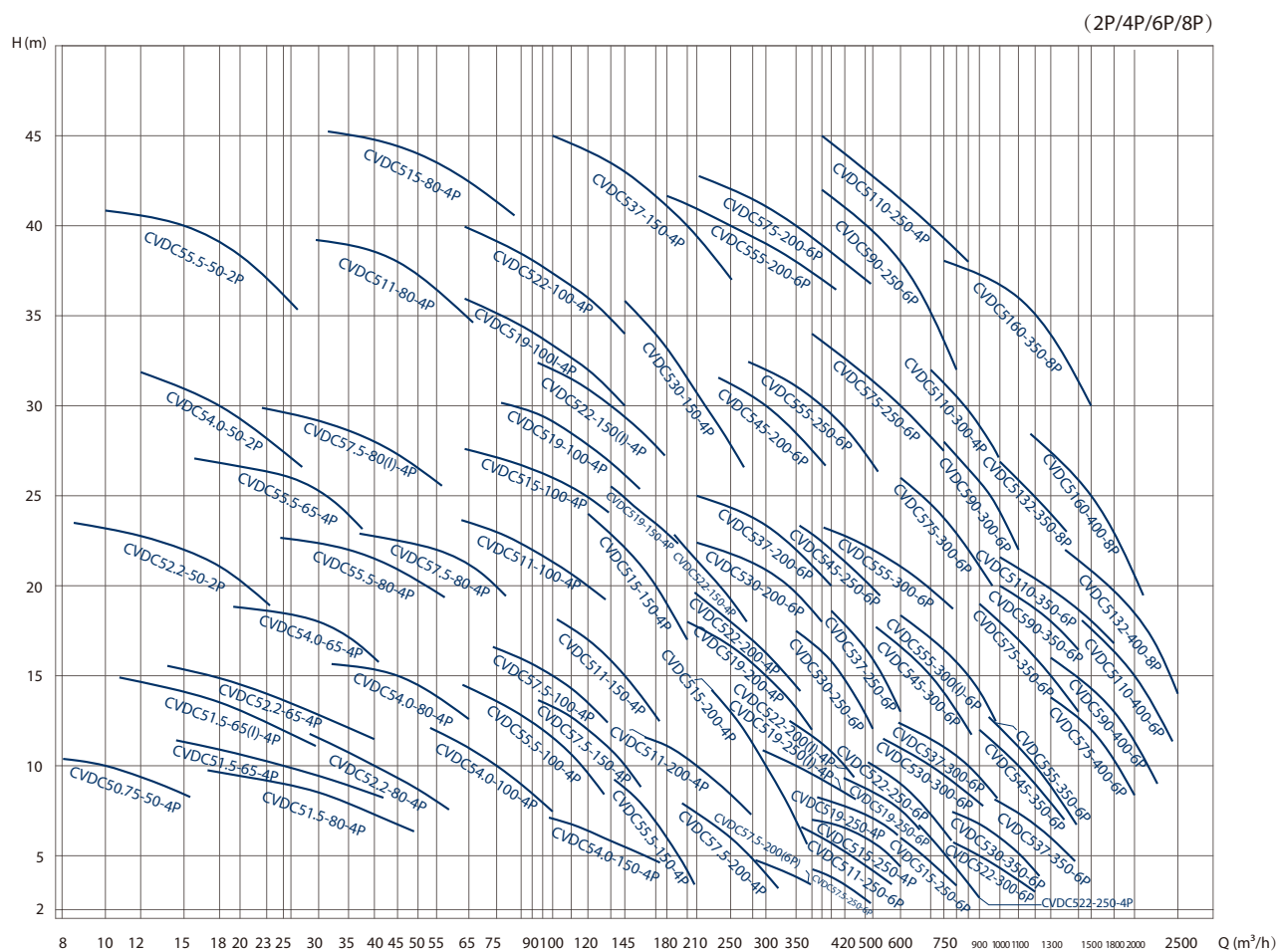
NO.	名称	Name	材质	
			GB	JIS
1	泵支架	Pump stand	Q235A	SS400
2	前盖	Front cover	HT200	FC200
3	密封环	Seal ring	ZCuSn10Pb5	LBC2
4	O型圈	O-ring	NBR	NBR
5	叶轮	Impeller	HT200	FC200
6	螺母	Nut	06Cr19Ni10	SUS304
7	垫圈	Washer	20Cr13	SUS420JI
8	键	Key	20Cr13	SUS420JI
9	机械密封	Mechanical seal	SiC-SiC	SiC-SiC
(10)	套筒轴	Sleeve shaft	20Cr13	SUS420JI
(11)	套筒轴夹套	Shaft jacket	45#	S45C
(12)	内六角螺钉	Screw	06Cr19Ni10	SUS304
(13)	弹簧垫圈	Spring washer	06Cr19Ni10	SUS304
14	电机	Motor	-	-
15	中承座	Bracket	HT200	FC200
16	排气阀	Exhaust valve	ZCuSn10Pb5	LBC2
17	泵体	Pump casing	HT200	FC200
18	丝堵	Plug	Q235A	SS400
19	法兰垫片	Flange gasket	NBR	NBR
20	弯管	Bend pipe	HT200	FC200



型号说明 Type description



型谱图 Performance chart



性能参数 Performance parameters

(2P/4P/6P/8P)

型号 Type	转速 Speed (r/min)	流量 Capacity (m ³ /h)	扬程 Head (m)	效率 Eff η (%)	电机功率 Motor Power (kW)	口径 Dia. (mm)	重量 Weight (kg)
CVDC50.75-50	1450	10	10	50	0.75	50	60
CVDC52.2-50	2900	15	22	52	2.2	50	62
CVDC54.0-50	2900	18	30	50	4	50	95
CVDC55.5-50	2900	15	40	43	5.5	50	102
CVDC51.5-65	1450	25	10	60	1.5	65	89
CVDC51.5-65(I)	1450	18	13.5	60	1.5	65	89
CVDC52.2-65	1450	23	14	60	2.2	65	104
CVDC54.0-65	1450	30	18	55	4	65	148
CVDC55.5-65	1450	26	26	47	5.5	65	150
CVDC51.5-80	1450	30	8.5	60	1.5	80	89
CVDC52.2-80	1450	40	10	60	2.2	80	104
CVDC54.0-80	1450	45	15	62	4	80	135
CVDC55.5-80	1450	35	22	55	5.5	80	170
CVDC57.5-80	1450	55	22	62	7.5	80	174
CVDC57.5-80(I)	1450	36	28.5	47	7.5	80	205
CVDC511-80	1450	45	38	60	11	80	285
CVDC515-80	1450	50	44	51	15	80	312
CVDC54.0-100	1450	75	10	70	4	100	135
CVDC55.5-100	1450	95	12	68	5.5	100	172
CVDC57.5-100	1450	100	15	70	7.5	100	205
CVDC511-100	1450	90	22	68	11	100	267
CVDC515-100	1450	100	26	65	15	100	275
CVDC519-100	1450	120	32	64	18.5	100	375
CVDC522-100	1450	120	36	65	22	100	405
CVDC54.0-150	1450	130	6	72	4	150	205
CVDC55.5-150	1450	180	6	73	5.5	150	216
CVDC57.5-150	1450	120	12	70	7.5	150	225
CVDC511-150	1450	145	15	72	11	150	277
CVDC515-150	1450	160	21	72	15	150	300
CVDC519-150	1450	170	23.5	73	18.5	150	362
CVDC522-150	1450	200	22	73	22	150	377
CVDC522-150(I)	1450	135	30	66	22	150	350
CVDC530-150	1450	220	30	75	30	150	430
CVDC537-150	1450	200	40	75	37	150	462
CVDC57.5-200	1450	250	6	72	7.5	200	235
CVDC57.5-200	980	300	4.5	60	7.5	200	300
CVDC511-200	1450	210	10	70	11	200	296
CVDC515-200	1450	300	10	72	15	200	365
CVDC519-200	1450	250	15	75	18.5	200	398
CVDC522-200	1450	250	18	72	22	200	362
CVDC522-200(I)	1450	450	10	72	22	200	398
CVDC530-200	980	330	20	76	30	200	610
CVDC537-200	980	350	22	75	37	200	750
CVDC545-200	980	300	30	72	45	200	835
CVDC555-200	980	250	40	65	55	200	1080
CVDC575-200	980	350	40	70	75	200	1500
CVDC57.5-250	980	400	4	65	7.5	250	350
CVDC511-250	980	400	6	66	11	250	430
CVDC515-250	1450	500	6	71	15	250	445
CVDC515-250	980	600	6	72	15	250	455



性能参数 Performance parameters

(2P/4P/6P/8P)

型号 Type	转速 Speed (r/min)	流量 Capacity (m ³ /h)	扬程 Head (m)	效率 Eff η (%)	电机功率 Motor Power (kW)	口径 Dia. (mm)	重量 Weight (kg)
CVDC519-250	1450	600	6	71	18.5	250	495
CVDC519-250(I)	1450	350	10	71	18.5	250	495
CVDC519-250	980	600	7.5	75	18.5	250	550
CVDC522-250	1450	700	6	73	22	250	536
CVDC522-250	980	600	9	75	22	250	580
CVDC530-250	980	460	14.5	75	30	250	782
CVDC537-250	980	500	16.5	77	37	250	1600
CVDC545-250	980	420	22	76	45	250	1350
CVDC555-250	980	400	30	76	55	250	1450
CVDC575-250	980	600	30	76	75	250	1500
CVDC590-250	980	600	38	76	90	250	1590
CVDC5110-250	1450	700	40	78	110	250	1800
CVDC522-300	980	900	5	60	22	300	850
CVDC530-300	980	700	10	75	30	300	1000
CVDC537-300	980	850	10	77	37	300	1150
CVDC545-300	980	700	15	78	45	300	1300
CVDC555-300	980	520	22	78	55	300	1380
CVDC555-300(I)	980	850	15	78	55	300	1400
CVDC575-300	980	850	22	78	75	300	1600
CVDC590-300	980	950	25	79	90	300	1700
CVDC5110-300	980	950	28	80	110	300	1900
CVDC530-350	980	1000	6	75	30	350	1000
CVDC537-350	980	1300	6	77	37	350	1100
CVDC545-350	980	1100	10	75	45	350	1300
CVDC555-350	980	1200	10	75	55	350	1380
CVDC575-350	980	1300	15	78	75	350	1680
CVDC590-350	980	1300	18	78	90	350	1750
CVDC5110-350	980	1600	18	79	110	350	1950
CVDC5132-350	740	1300	24	75	132	350	2150
CVDC5160-350	740	1100	36	75	160	350	2500
CVDC575-400	980	1600	12	80	75	400	1900
CVDC590-400	980	1800	13	80	90	400	1950
CVDC5110-400	980	2000	15	79	110	400	2300
CVDC5132-400	740	2200	17	81	132	400	2500
CVDC5160-400	740	1600	25	76	160	400	2800



川源(中国)机械有限公司
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水处理系统专业合作伙伴

Professional partners in water treatment systems

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