川源（中国）机械有限公司
GSD（China）Co.,Ltd.

# CVD/CHD
## 干井式不堵塞泵

## CVD/CHD dry pit non-clog pump

www.gsd.net.cn

# CVD/CHD 干井式不堵塞泵
## CVD/CHD dry pit non-clog pump

## 特点

- 干井式结构易於安装维护保养，依安装现场空间大小及配管之不同，有立式竖轴及卧式横轴两种型式可供选择。
- 叶轮为不堵塞型结构，可使污物轻易通过，使流道不致堵塞，组装前均经过动平衡校正。
- 泵体及竖轴式之吸入弯管均设有清除异物之除污盖，毋须拆卸泵浦即可轻易清除异物及污泥，便于定时保养，减少故障的机率。
- 使用全封闭滚珠轴承，可承受泵浦工作时所产生之轴向推力。
- 采用机械密封，机械密封材质为SiC-SiC。

## 用途

- 污水处理厂污泥及污物抽送。
- 生活废水及工厂污水抽送。

## Features

- Dry pit construction is easily installed and maintained. there are vertical type and horizontal type to choose depending on installation space and piping layout.
- Impeller is non-clog type, it makes sludge and sewage free to pass the flow passages. The impeller is dynamically balanced before assembly the pump.
- Pump casing and suction elbow pipe both have handhole cover to clear the foreign objects. We can easily clear Foreign body and sludge without disassemble the other components, It is convient to be cared and maintained, andcan prevent pump from being out of order.
- Full closed ball bearings are added protection for high loads.
- Shaft seal is mechanical seal. The material of mechanical seal is SiC.

## Application

- Wastewater treatment plant sewage and sludge pumping equipment.
- Municpial and industrial wastewater pumping equipment.

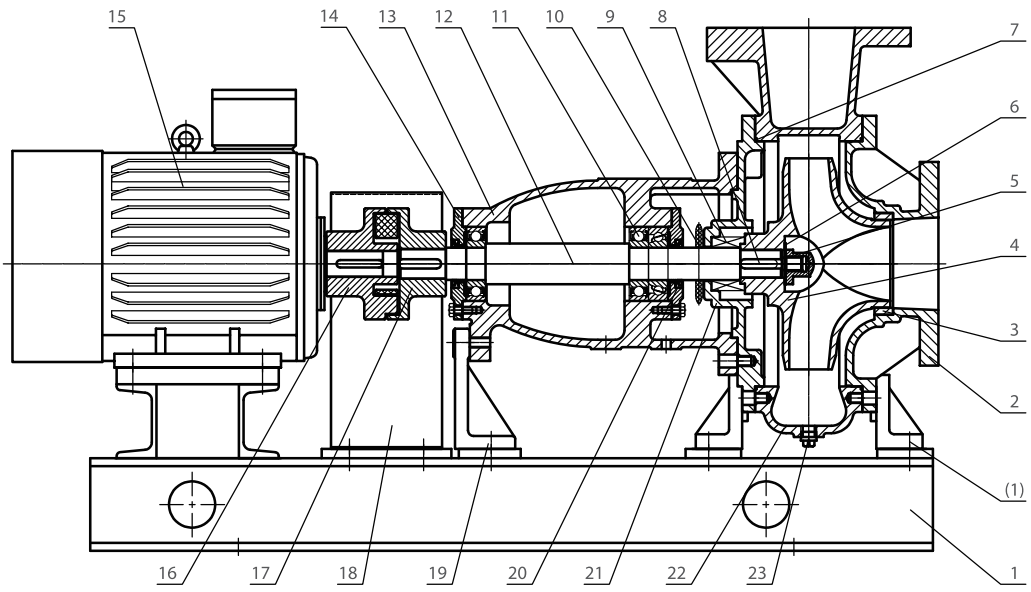
## 型号说明 Type description

CVD 5 15-150

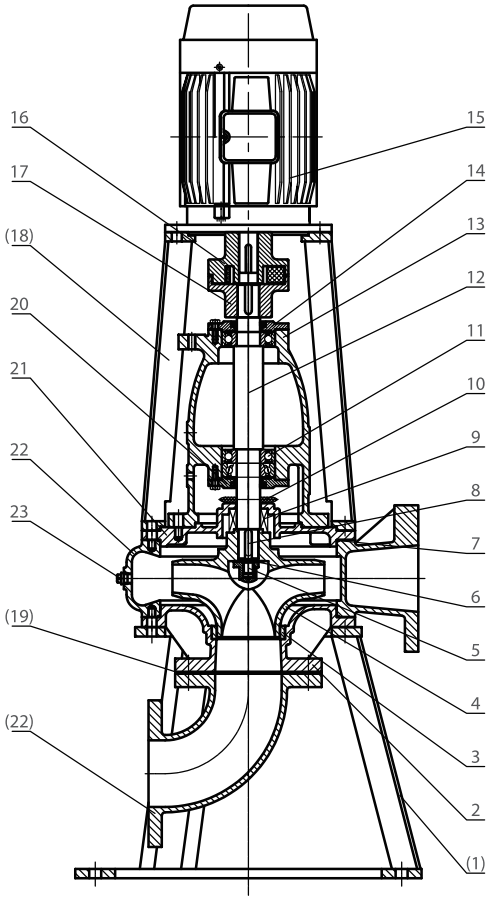
| | |
|---|---|
| 出口口径 | Outlet Diameter(mm) |
| 配套功率 | Rated power(kW) |
| 频率: 50Hz | Frequency 5: 50 Hz |
| CVD: 立式竖轴 | CVD: Vertical type |
| CHD: 卧式横轴 | CHD: Horizontal type |

# 结构简图 Construction

## CHD

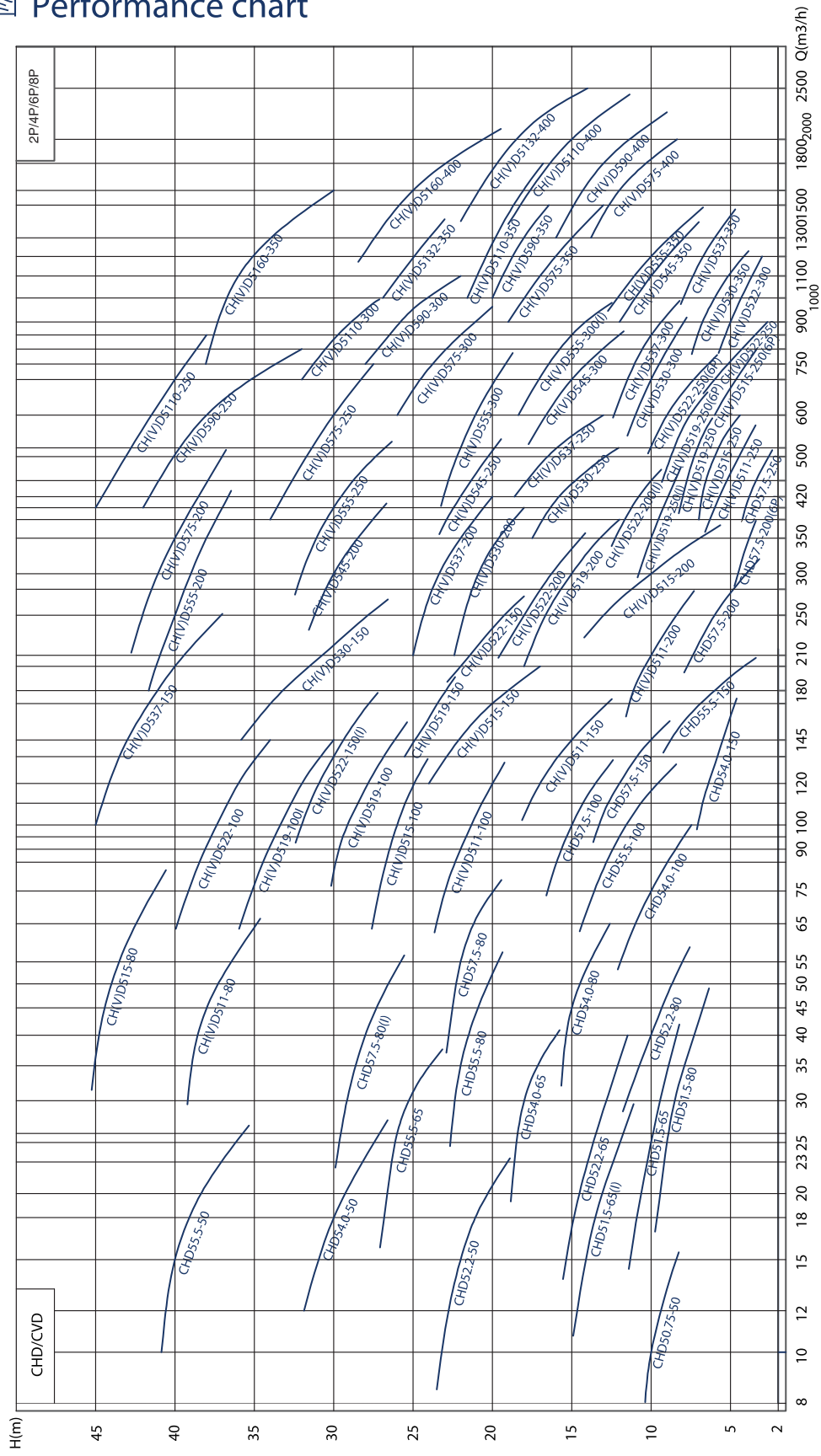



## CVD




| NO. | 名称 | Name | 材质 | Material |
|---|---|---|---|---|
| | | | GB | JIS |
| 1 | 机座 | Base | Q235A | SS400 |
| (1) | 泵体支架 | Pump stand | Q235A | SS400 |
| 2 | 前盖 | Front cover | HT200 | FC200 |
| 3 | 密封环 | Seal ring | ZCuSn10Pb5 | LBC2 |
| 4 | 叶轮 | Impeller | HT200 | FC200 |
| 5 | 叶轮螺母 | Impeller nut | 06Cr19Ni10 | SUS304 |
| 6 | 止动垫圈 | Lock wash | 06Cr17Ni12Mo2 | SUS316 |
| 7 | O型圈 | O-ring | NBR | NBR |
| 8 | 键 | Key | 30Cr13 | $SUS420J_2$ |
| 9 | 机械密封 | Mechanical seal | SiC-SiC | SiC-SiC |
| 10 | 挡水圈 | Water baf-fiing ring | NBR | NBR |
| 11 | 轴承 | Bearing | - | - |
| 12 | 主轴 | Shaft | 30Cr13 | $SUS420J_2$ |
| 13 | 轴承体 | Bearing body | HT200 | FC200 |
| 14 | 轴承盖 | Bearing cover | HT200 | FC200 |
| 15 | 电机 | Motor | - | - |
| 16 | 电机联轴器 | Coupling | HT200 | FC200 |
| 17 | 泵联轴器 | Pump coupling | HT200 | FC200 |
| 18 | 联轴器罩 | Coupling cover | Q235A | SS400 |
| (18) | 电机支架 | Motor stand | Q235A | SS400 |
| 19 | 轴承体支架 | Bearing stand | HT200 | FC200 |
| (19) | 法兰垫片 | Flange gasket | NBR | NBR |
| 20 | VD密封圈 | VD Seal ring | Viton | Viton |
| 21 | 后盖 | Back cover | HT200 | FC200 |
| 22 | 泵体 | Pump body | HT200 | FC200 |
| (22) | 弯管 | Bent pipe | HT200 | FC200 |
| 23 | 丝堵 | Plug | 06Cr19Ni10 | SUS304 |

# 型谱图 Performance chart



# 性能参数 Performance parameters

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

| 泵型号 Pump model | 转速 Speed (r/min) | 流量 Capacity ($m^3/h$) | 扬程 Head (m) | 效率 Eff. (%) | 电机功率 Motor power (kW) | 口径 Dia. (mm) | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|
| CHD50.75-50 | 1450 | 10 | 10 | 50 | 0.75 | 50 | 89 |
| CHD51.5-65 | 1450 | 25 | 10 | 60 | 1.5 | 65 | 106 |
| CHD51.5-65(I) | 1450 | 18 | 13.5 | 60 | 1.5 | 65 | 115 |
| CHD52.2-50 | 2900 | 15 | 22 | 52 | 2.2 | 50 | 90 |
| CHD52.2-65 | 1450 | 23 | 14 | 60 | 2.2 | 65 | 116 |
| CHD54.0-50 | 2900 | 18 | 30 | 50 | 4 | 50 | 125 |
| CHD54.0-65 | 1450 | 30 | 18 | 55 | 4 | 65 | 156 |
| CHD55.5-50 | 2900 | 15 | 40 | 43 | 5.5 | 50 | 125 |
| CHD55.5-65 | 1450 | 26 | 26 | 50 | 5.5 | 65 | 211 |
| CHD51.5-80 | 1450 | 30 | 8.5 | 60 | 1.5 | 80 | 108 |
| CHD52.2-80 | 1450 | 40 | 10 | 60 | 2.2 | 80 | 116 |
| CHD54.0-80 | 1450 | 45 | 15 | 62 | 4 | 80 | 171 |
| CHD55.5-80 | 1450 | 35 | 22 | 55 | 5.5 | 80 | 190 |
| CHD57.5-80 | 1450 | 55 | 22 | 62 | 7.5 | 80 | 213 |
| CHD57.5-80(I) | 1450 | 36 | 28.5 | 50 | 7.5 | 80 | 210 |
| CVD511-80<br>CHD511-80 | 1450 | 45 | 38 | 60 | 11 | 80 | 350<br>338 |
| CVD515-80<br>CHD515-80 | 1450 | 50 | 44 | 51 | 15 | 80 | 367<br>355 |
| CHD54.0-100 | 1450 | 75 | 10 | 70 | 4 | 100 | 171 |
| CHD55.5-100 | 1450 | 95 | 12 | 68 | 5.5 | 100 | 191 |
| CHD57.5-100 | 1450 | 100 | 15 | 70 | 7.5 | 100 | 211 |

# 性能参数 Performance parameters

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

| 泵型号 Pump model | 转速 Speed (r/min) | 流量 Capacity ($m^3/h$) | 扬程 Head (m) | 效率 Eff. (%) | 电机功率 Motor power (kW) | 口径 Dia. (mm) | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|
| CVD511-100 | 1450 | 90 | 22 | 68 | 11 | 100 | 332 |
| CHD511-100 | | | | | | | 335 |
| CVD515-100 | 1450 | 100 | 26 | 65 | 15 | 100 | 370 |
| CHD515-100 | | | | | | | 319 |
| CVD519-100 | 1450 | 110 | 28.5 | 66 | 18.5 | 100 | 430 |
| CHD519-100 | | | | | | | 348 |
| CVD519-100I | 1450 | 120 | 32 | 64 | 18.5 | 100 | 450 |
| CHD519-100I | | | | | | | 365 |
| CVD522-100 | 1450 | 120 | 36 | 65 | 22 | 100 | 460 |
| CHD522-100 | | | | | | | 380 |
| CHD54.0-150 | 1450 | 130 | 6 | 72 | 4 | 150 | 167 |
| CHD55.5-150 | 1450 | 180 | 6 | 73 | 5.5 | 150 | 213 |
| CHD57.5-150 | 1450 | 120 | 12 | 70 | 7.5 | 150 | 221 |
| CVD511-150 | 1450 | 145 | 15 | 72 | 11 | 150 | 334 |
| CHD511-150 | | | | | | | 308 |
| CVD515-150 | 1450 | 160 | 21 | 72 | 15 | 150 | 385 |
| CHD515-150 | | | | | | | 335 |
| CVD519-150 | 1450 | 170 | 23.5 | 73 | 18.5 | 150 | 435 |
| CHD519-150 | | | | | | | 396 |
| CVD522-150 | 1450 | 200 | 22 | 73 | 22 | 150 | 465 |
| CHD522-150 | | | | | | | 420 |
| CVD522-150(I) | 1450 | 135 | 30 | 69 | 22 | 150 | 465 |
| CHD522-150(I) | | | | | | | 420 |
| CVD530-150 | 1450 | 220 | 30 | 75 | 30 | 150 | 500 |
| CHD530-150 | | | | | | | 480 |
| CVD537-150 | 1450 | 200 | 40 | 75 | 37 | 150 | 720 |
| CHD537-150 | | | | | | | 680 |
| CHD57.5-200 | 1450 | 250 | 6 | 72 | 7.5 | 200 | 291 |
| CHD57.5-200 | 980 | 300 | 4.5 | 60 | 7.5 | 200 | 340 |
| CVD511-200 | 1450 | 210 | 10 | 70 | 11 | 200 | 395 |
| CHD511-200 | | | | | | | 303 |
| CVD515-200 | 1450 | 300 | 10 | 72 | 15 | 200 | 380 |
| CHD515-200 | | | | | | | 344 |
| CVD519-200 | 1450 | 300 | 15 | 75 | 18.5 | 200 | 410 |
| CHD519-200 | | | | | | | 384 |

# 性能参数 Performance parameters

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

| 泵型号 Pump model | 转速 Speed (r/min) | 流量 Capacity ($m^3/h$) | 扬程 Head (m) | 效率 Eff. (%) | 电机功率 Motor power (kW) | 口径 Dia. (mm) | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|
| CVD522-200 | 1450 | 250 | 18 | 72 | 22 | 200 | 525 |
| CHD522-200 | | | | | | | 483 |
| CVD522-200(I) | 1450 | 450 | 10 | 72 | 22 | 200 | 495 |
| CHD522-200(I) | | | | | | | 450 |
| CVD530-200 | 980 | 330 | 20 | 76 | 30 | 200 | 1050 |
| CHD530-200 | | | | | | | 1080 |
| CVD537-200 | 980 | 350 | 22 | 75 | 37 | 200 | 1030 |
| CHD537-200 | | | | | | | 960 |
| CVD545-200 | 980 | 300 | 30 | 72 | 45 | 200 | 1135 |
| CHD545-200 | | | | | | | 1085 |
| CVD555-200 | 980 | 250 | 40 | 65 | 55 | 200 | 1380 |
| CHD555-200 | | | | | | | 1300 |
| CVD575-200 | 980 | 350 | 40 | 70 | 75 | 200 | 1800 |
| CHD575-200 | | | | | | | 1980 |
| CHD57.5-250 | 980 | 400 | 4 | 65 | 7.5 | 250 | 400 |
| CVD511-250 | 980 | 400 | 6 | 66 | 11 | 250 | 530 |
| CHD511-250 | | | | | | | 550 |
| CVD515-250 | 1450 | 500 | 6 | 71 | 15 | 250 | 471 |
| CHD515-250 | | | | | | | 490 |
| CVD515-250 | 980 | 600 | 6 | 72 | 15 | 250 | 550 |
| CHD515-250 | | | | | | | 580 |
| CVD519-250 | 1450 | 600 | 6 | 71 | 18.5 | 250 | 510 |
| CHD519-250 | | | | | | | 515 |
| CVD519-250(I) | 1450 | 350 | 10 | 71 | 18.5 | 250 | 640 |
| CHD519-250(I) | | | | | | | 520 |
| CVD519-250 | 980 | 600 | 7.5 | 75 | 18.5 | 250 | 650 |
| CHD519-250 | | | | | | | 620 |
| CVD522-250 | 1450 | 700 | 6 | 73 | 22 | 250 | 515 |
| CHD522-250 | | | | | | | 520 |
| CVD522-250 | 980 | 600 | 9 | 75 | 22 | 250 | 680 |
| CHD522-250 | | | | | | | 650 |
| CVD530-250 | 980 | 460 | 14.5 | 75 | 30 | 250 | 1080 |
| CHD530-250 | | | | | | | 938 |
| CVD537-250 | 980 | 500 | 16.5 | 77 | 37 | 250 | 1600 |
| CHD537-250 | | | | | | | 1070 |
| CVD545-250 | 980 | 420 | 22 | 76 | 45 | 250 | 1650 |
| CHD545-250 | | | | | | | 1173 |
| CVD555-250 | 980 | 400 | 30 | 76 | 55 | 250 | 1760 |
| CHD555-250 | | | | | | | 1920 |

# 欢迎索取以下产品型录

| | |
|---|---|
| 泵系列 | 潜水泵系列 \| 陆上泵系列 \| 特种泵系列 |
| 搅拌推流系列 | 搅拌机系列 \| 推流器系列 |
| 供氧曝气系列 | 曝气机系列 \| 曝气盘系列 \| 曝气管系列 |
| 风机系列 | 磁悬浮鼓风机 \| 空气悬浮鼓风机 \| 三叶罗茨鼓风机系列 |
| 污泥处理设备 | 带式脱水机 \| 厢式压滤机 \| 叠螺式脱水机 \| 污泥干化设备 \| 浅层高效气浮设备 |
| 智能化系列 | 智能设备 \| 水务设备健康管理 \| 水务系统工艺优化智联管理 |
| 反应器及套装设备 | 芬顿反应系统 \| MBR膜生物反应器 \| 预制泵站 \| 一体化污水处理设备 |
| 耗材药剂及相关设备 | 生物绳 \| PAC 聚合氯化铝 \| PAM 聚丙烯酰胺 \| 泡药设备 |

川源

## 水处理系统专业合作伙伴

免费咨询电话

400-657-9066

本型录内容如有变更，恕不另行通知。
We reserve the right to change content without notice.

川源（中国）机械有限公司版权所有 all rights reserved. CY-24