



川源(中国)机械有限公司  
GSD (China) Co., Ltd.



**Horizontal non blockage  
pump**

**DHS卧式不堵塞泵**

# DHS 卧式不堵塞泵

## DHS horizontal non blockage 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 Features

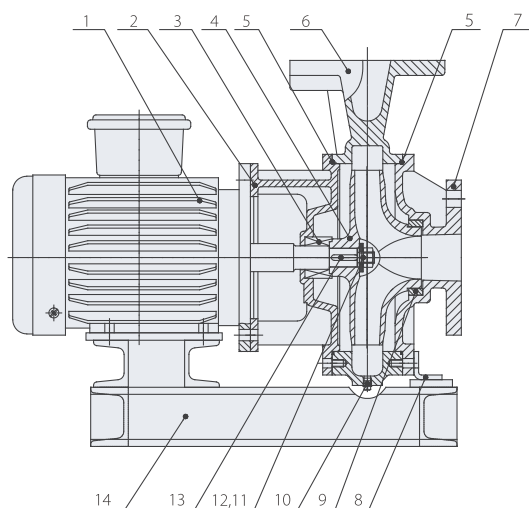
- 机组采用卧式结构设计，泵体与加长轴电机直接相连，不仅同心度高，还具备占地面积小、节约项目投资的优点。
- 叶轮为不堵塞型结构，流道宽大，污物容易通过，效率高，所有叶轮均经动、静平衡校正，运转平稳，寿命长。
- 使用全封闭滚珠轴承，可承受泵浦工作时所产生之轴向力。
- 采用机械密封，机械密封材质为 SiC-SiC。
- The unit adopts a horizontal structural design, with the pump body directly connected to the extended-shaft motor. This design not only ensures high concentricity, but also boasts the advantages of a small floor area and reduced project investment.
- 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.
- Shaft seal is mechanical seal. The material of mechanical seal is SiC.

### 型号说明 Type description

|     |   |          |        |                              |
|-----|---|----------|--------|------------------------------|
| DHS | 5 | 5.5 - 80 | 出口口径   | Outlet diameter (mm)         |
|     |   |          | 额定功率   | Rated power (kW)             |
|     |   |          | 频 率    | 50Hz                         |
|     |   |          | 卧式不堵塞泵 | Horizontal non blockage pump |

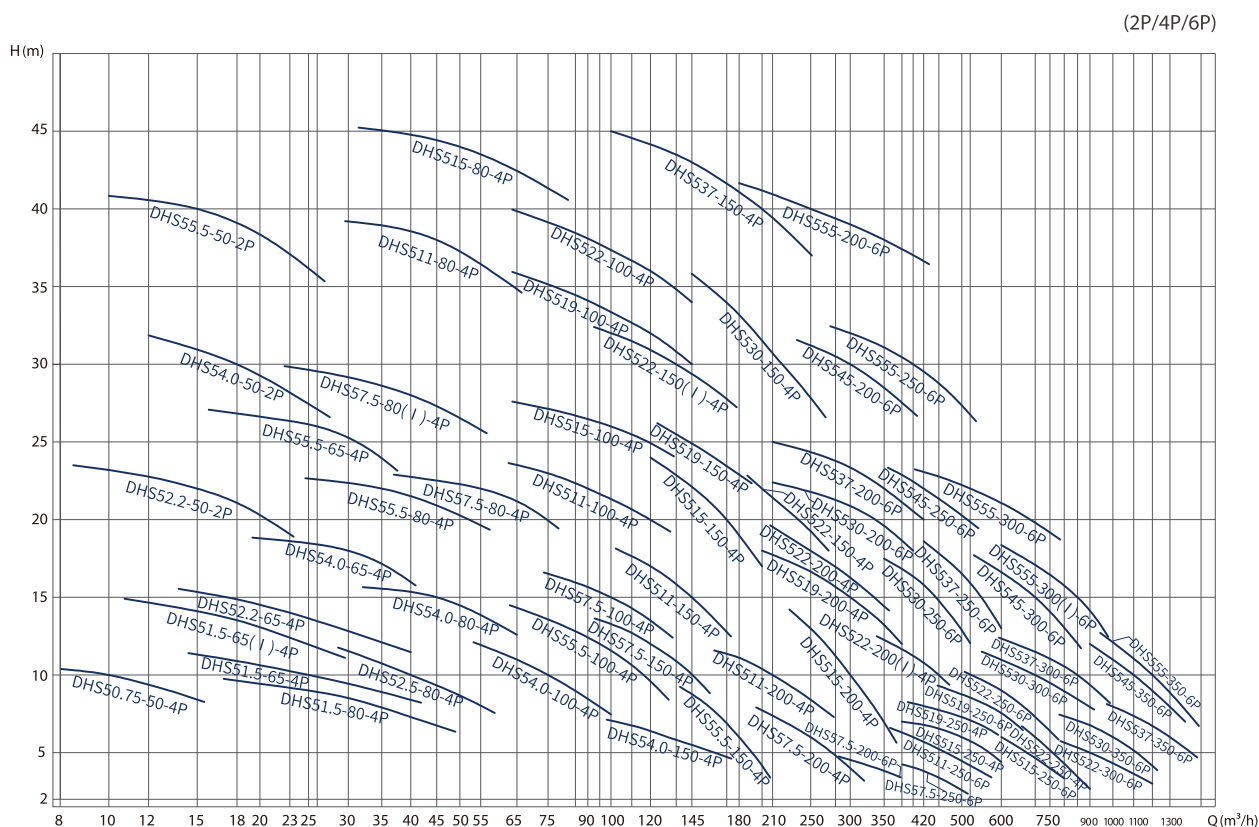


## 结构简图 Construction



| NO. | 名 称  | Name            | 材 质        |          |
|-----|------|-----------------|------------|----------|
|     |      |                 | GB         | Material |
| 1   | 电机   | Motor           | -          | -        |
| 2   | 中承座  | Bracket         | HT200      | FC200    |
| 3   | 机械密封 | Mechanical seal | SiC-SiC    | SiC-SiC  |
| 4   | 叶轮   | Impeller        | HT200      | FC200    |
| 5   | O型图  | O-ring          | NBR        | NBR      |
| 6   | 泵体   | Pump casing     | HT200      | FC200    |
| 7   | 前盖   | Front cover     | HT200      | FC200    |
| 8   | 泵体支架 | Pump stand      | HT200      | FC200    |
| 9   | 密封环  | Seal ring       | ZCuSn10Pb5 | LBC2     |
| 10  | 丝堵   | Plug            | Q235A      | SS400    |
| 11  | 螺母   | Nut             | 06Cr19Ni10 | SUS304   |
| 12  | 垫圈   | Washer          | 20Cr13     | SUS420JI |
| 13  | 键    | Key             | 20Cr13     | SUS420JI |
| 14  | 机座   | Base            | Q235A      | SS400    |

## 型谱图 Performance chart



## 性能参数 Performance parameters

(2P/4P/6P)

| 型号<br>Type       | 转速<br>Speed<br>(r/min) | 流量<br>Capacity<br>(m³/h) | 扬程<br>Head<br>(m) | 效率<br>Eff.<br>$\eta$ (%) | 电机功率<br>Motor power<br>(kW) | 口径<br>Dia.<br>(mm) | 泵重量<br>Weight<br>(kg) |
|------------------|------------------------|--------------------------|-------------------|--------------------------|-----------------------------|--------------------|-----------------------|
| DHS50.75-50-4P   | 1450                   | 10                       | 10                | 50                       | 0.75                        | 50                 | 65                    |
| DHS51.5-65-4P    | 1450                   | 25                       | 10                | 60                       | 1.5                         | 65                 | 75                    |
| DHS51.5-65(I)-4P | 1450                   | 18                       | 13.5              | 60                       | 1.5                         | 65                 | 88                    |
| DHS52.2-50-2P    | 2900                   | 15                       | 22                | 52                       | 2.2                         | 50                 | 60                    |
| DHS52.2-65-4P    | 1450                   | 23                       | 14                | 60                       | 2.2                         | 65                 | 95                    |
| DHS54.0-50-2P    | 2900                   | 18                       | 30                | 50                       | 4                           | 50                 | 95                    |
| DHS54.0-65-4P    | 1450                   | 30                       | 18                | 55                       | 4                           | 65                 | 110                   |
| DHS55.5-50-2P    | 2900                   | 15                       | 40                | 43                       | 5.5                         | 50                 | 100                   |
| DHS55.5-65-4P    | 1450                   | 26                       | 26                | 50                       | 5.5                         | 65                 | 162                   |
| DHS51.5-80-4P    | 1450                   | 30                       | 8.5               | 60                       | 1.5                         | 80                 | 88                    |
| DHS52.2-80-4P    | 1450                   | 40                       | 10                | 60                       | 2.2                         | 80                 | 90                    |
| DHS54.0-80-4P    | 1450                   | 45                       | 15                | 62                       | 4                           | 80                 | 123                   |
| DHS55.5-80-4P    | 1450                   | 35                       | 22                | 55                       | 5.5                         | 80                 | 165                   |
| DHS57.5-80-4P    | 1450                   | 55                       | 22                | 62                       | 7.5                         | 80                 | 170                   |
| DHS57.5-80(I)-4P | 1450                   | 36                       | 28.5              | 50                       | 7.5                         | 80                 | 180                   |
| DHS11-80-4P      | 1450                   | 45                       | 38                | 60                       | 11                          | 80                 | 273                   |
| DHS15-80-4P      | 1450                   | 50                       | 44                | 51                       | 15                          | 80                 | 290                   |
| DHS54.0-100-4P   | 1450                   | 75                       | 10                | 70                       | 4                           | 100                | 127                   |
| DHS55.5-100-4P   | 1450                   | 95                       | 12                | 68                       | 5.5                         | 100                | 150                   |
| DHS57.5-100-4P   | 1450                   | 100                      | 15                | 70                       | 7.5                         | 100                | 175                   |
| DHS11-100-4P     | 1450                   | 90                       | 22                | 68                       | 11                          | 100                | 270                   |
| DHS15-100-4P     | 1450                   | 100                      | 26                | 65                       | 15                          | 100                | 254                   |
| DHS19-100-4P     | 1450                   | 120                      | 32                | 64                       | 18.5                        | 100                | 300                   |
| DHS22-100-4P     | 1450                   | 120                      | 36                | 65                       | 22                          | 100                | 315                   |
| DHS54.0-150-4P   | 1450                   | 130                      | 6                 | 72                       | 4                           | 150                | 130                   |
| DHS55.5-150-4P   | 1450                   | 180                      | 6                 | 73                       | 5.5                         | 150                | 163                   |
| DHS57.5-150-4P   | 1450                   | 120                      | 12                | 70                       | 7.5                         | 150                | 175                   |
| DHS11-150-4P     | 1450                   | 145                      | 15                | 72                       | 11                          | 150                | 243                   |
| DHS15-150-4P     | 1450                   | 160                      | 21                | 72                       | 15                          | 150                | 270                   |
| DHS19-150-4P     | 1450                   | 170                      | 23.5              | 73                       | 18.5                        | 150                | 331                   |
| DHS22-150-4P     | 1450                   | 200                      | 22                | 73                       | 22                          | 150                | 355                   |
| DHS22-150(I)-4P  | 1450                   | 135                      | 30                | 69                       | 22                          | 150                | 355                   |
| DHS30-150-4P     | 1450                   | 220                      | 30                | 75                       | 30                          | 150                | 390                   |



## 性能参数 Performance parameters

(2P/4P/6P)

| 型号<br>Type       | 转速<br>Speed<br>(r/min) | 流量<br>Capacity<br>(m³/h) | 扬程<br>Head<br>(m) | 效率<br>Eff.<br>$\eta$ (%) | 电机功率<br>Motor power<br>(kW) | 口径<br>Dia.<br>(mm) | 泵重量<br>Weight<br>(kg) |
|------------------|------------------------|--------------------------|-------------------|--------------------------|-----------------------------|--------------------|-----------------------|
| DHS537-150-4P    | 1450                   | 200                      | 40                | 75                       | 37                          | 150                | 520                   |
| DHS57.5-200-4P   | 1450                   | 250                      | 6                 | 72                       | 7.5                         | 200                | 260                   |
| DHS57.5-200-6P   | 980                    | 300                      | 4.5               | 60                       | 7.5                         | 200                | 275                   |
| DHS511-200-4P    | 1450                   | 210                      | 10                | 70                       | 11                          | 200                | 238                   |
| DHS515-200-4P    | 1450                   | 300                      | 10                | 72                       | 15                          | 200                | 279                   |
| DHS519-200-4P    | 1450                   | 300                      | 15                | 75                       | 18.5                        | 200                | 319                   |
| DHS522-200-4P    | 1450                   | 250                      | 18                | 72                       | 22                          | 200                | 418                   |
| DHS522-200(I)-4P | 1450                   | 450                      | 10                | 72                       | 22                          | 200                | 385                   |
| DHS530-200-6P    | 980                    | 330                      | 20                | 76                       | 30                          | 200                | 775                   |
| DHS537-200-6P    | 980                    | 350                      | 22                | 75                       | 37                          | 200                | 800                   |
| DHS545-200-6P    | 980                    | 300                      | 30                | 72                       | 45                          | 200                | 925                   |
| DHS555-200-6P    | 980                    | 250                      | 40                | 65                       | 55                          | 200                | 1140                  |
| DHS57.5-250-6P   | 980                    | 400                      | 4                 | 65                       | 7.5                         | 250                | 335                   |
| DHS511-250-6P    | 980                    | 400                      | 6                 | 66                       | 11                          | 250                | 485                   |
| DHS515-250-4P    | 1450                   | 500                      | 6                 | 71                       | 15                          | 250                | 425                   |
| DHS515-250-6P    | 980                    | 600                      | 6                 | 72                       | 15                          | 250                | 515                   |
| DHS519-250-4P    | 1450                   | 600                      | 6                 | 71                       | 18.5                        | 250                | 450                   |
| DHS519-250-6P    | 980                    | 600                      | 7.5               | 75                       | 18.5                        | 250                | 555                   |
| DHS522-250-4P    | 1450                   | 700                      | 6                 | 73                       | 22                          | 250                | 455                   |
| DHS522-250-6P    | 980                    | 600                      | 9                 | 75                       | 22                          | 250                | 585                   |
| DHS530-250-6P    | 980                    | 460                      | 14.5              | 75                       | 30                          | 250                | 815                   |
| DHS537-250-6P    | 980                    | 500                      | 16.5              | 77                       | 37                          | 250                | 910                   |
| DHS545-250-6P    | 980                    | 420                      | 22                | 76                       | 45                          | 250                | 1015                  |
| DHS555-250-6P    | 980                    | 400                      | 30                | 76                       | 55                          | 250                | 1760                  |
| DHS522-300-6P    | 980                    | 900                      | 5                 | 60                       | 22                          | 300                | 760                   |
| DHS530-300-6P    | 980                    | 700                      | 10                | 75                       | 30                          | 300                | 940                   |
| DHS537-300-6P    | 980                    | 850                      | 10                | 77                       | 37                          | 300                | 1040                  |
| DHS545-300-6P    | 980                    | 700                      | 15                | 78                       | 45                          | 300                | 1150                  |
| DHS555-300-6P    | 980                    | 850                      | 15                | 78                       | 55                          | 300                | 1120                  |
| DHS530-350-6P    | 980                    | 1000                     | 6                 | 75                       | 30                          | 350                | 960                   |
| DHS537-350-6P    | 980                    | 1300                     | 6                 | 77                       | 37                          | 350                | 990                   |
| DHS545-350-6P    | 980                    | 1100                     | 10                | 75                       | 45                          | 350                | 1040                  |
| DHS555-350-6P    | 980                    | 1200                     | 10                | 75                       | 55                          | 350                | 1110                  |



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|                                                                                    |                                                                 |                                                                                                                                                    |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>泵系列</b><br>Pump Series                                       | 潜水泵系列   陆上泵系列   特种泵系列<br>Submersible pump series   On land pump series   Special pump series                                                       |
|    | <b>搅拌推流系列</b><br>Mixing and flow propeller                      | 搅拌机系列   推流器系列<br>Mixing series   Flow propeller series                                                                                             |
|    | <b>供氧曝气系列</b><br>Aeration equipment series                      | 曝气机系列   曝气盘系列   曝气管系列<br>Aerator series   Disc diffusers   Tube diffusers                                                                          |
|    | <b>风机系列</b><br>Blower Series                                    | 磁悬浮鼓风机   空气悬浮高速离心鼓风机   三叶罗茨鼓风机系列<br>Maglev turbo blower   High-Speed centrifugal blower   Three-lobe Roots Blower blower series                    |
|    | <b>污泥处理设备</b><br>Sludge treatment equipment                     | 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<br>Belt filter press   Box filter press   Screw press   Mud scraper   Dissolved air flotation clarifier |
|    | <b>智能化系列</b><br>Intelligent series                              | 智能设备   水务设备健康管理   水务系统工艺优化智联管理<br>Intelligent equipment   Health management for water equipment   Intelligent management for water system process  |
|   | <b>反应器及套装设备</b><br>Reactor and package equipment                | 芬顿反应系统   MBR生物膜反应器   预制泵站   一体化污水处理设备<br>Fenton reaction system   MBR biofilm reactor   Prefabricated pumping station   Intelligent Compact Unit   |
|  | <b>耗材药剂及相关设备</b><br>Consumables, reagents and related equipment | 生物绳   PAC 聚合氯化铝   PAM 聚丙烯酰胺   泡药设备<br>Biological rope   PAC polyaluminum chloride   PAM polyacrylamide   Automatic dispensing dissolvers           |

GSD 的经营理念 Business Philosophy

G-Green 绿色 S-Safe 安全 D-Development 永续经营



川源(中国)机械有限公司  
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