

## Centrifugal dredging pump



Centrifugal dredging pump is widely used in the dredging industry.

### Construction and Features

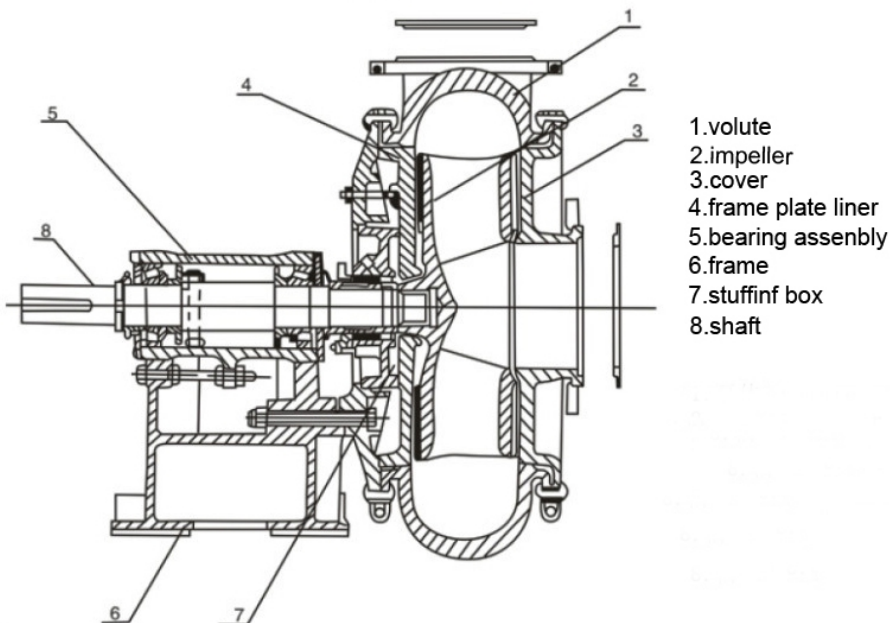
- 1.Advanced hydraulic model,CAD three-dimension design,high efficiency and obvious energy-saving;
- 2.Large dredging depth,high density of dredging mud,good NPSH and stronger suction lift ability;
- 3.Strong through-put,the pump can persistently discharge gravel,high plastic soil lump and so on;
- 4.The pump can be directly matched with either motor of diesel engine;
- 5.Wide application.It can be used in various kinds of soil quality;
- 6.Little hydraulic loss,high efficiency and low oil-consumption;
- 7.Little volume,light weight;
- 8.Steady operating,little vibration,low noise;
- 9.Simple&reliable construction,easily disassembly&assembly,convenient maintaining;
- 10.Reliable sealing without leakage;
- 11.Long operating life of parts;
- 12.High reliability of whole set,long MTBF;
- 13.Obvious economic efficiency;



TECHNICAL SPECIFICATIONS

| Type    | CAPACITY (m³/h) | HEAD (m) | IMPELLER SPEED (r/min) | EFFICIENCY (%) | INLET DIAMETER (mm) | OUTLET DIAMETER (mm) | NPSHR (m) | WEIGHT (ton) |
|---------|-----------------|----------|------------------------|----------------|---------------------|----------------------|-----------|--------------|
| 100WS   | 180-250         | 25-45    | 1000-1400              | 50-58          | 150                 | 100                  | <3.5      | 0.5          |
| 150WS   | 250-550         | 20-40    | 1200-1400              | 58-60          | 200                 | 150                  | <4        | 1.1          |
| 150WSG  | 350-700         | 40-65    | 800-980                | 68-71          | 200                 | 150                  | <3.5      | 1.9          |
| 200WS   | 350-700         | 20-45    | 700-980                | 60-65          | 250                 | 200                  | <4.5      | 2.3          |
| 200WSG  | 550-1000        | 40-65    | 700-850                | 70-72          | 250                 | 200                  | <4        | 3.2          |
| 250WS   | 700-1100        | 20-45    | 500-750                | 65-70          | 300                 | 250                  | <4        | 4.5          |
| 250WSG  | 900-1500        | 40-60    | 500-650                | 70-74          | 350                 | 250                  | <4.5      | 4.6          |
| 300WS   | 1100-1800       | 20-40    | 400-600                | 65-68          | 350                 | 300                  | <4.5      | 5.5          |
| 300WSG  | 1500-2200       | 30-65    | 400-550                | 74-78          | 450                 | 300                  | <4        | 8.0          |
| 350WSG  | 2000-3000       | 40-65    | 400-550                | 74-78          | 450                 | 350                  | <4        | 8.8          |
| 450WSG  | 3000-4000       | 35-67    | 350-500                | 76-80          | 600                 | 450                  | <4.5      | 12           |
| 500WSG  | 4000-5500       | 40-65    | 350-450                | 78-80          | 650                 | 500                  | <4.8      | 17           |
| 600WSG  | 5000-9000       | 55-80    | 320-400                | 81-85          | 650                 | 600                  | <6        | 35           |
| 700WSG  | 8000-12000      | 60-85    | 280-380                | 83-85          | 750                 | 700                  | <6        | 50           |
| 800WSG  | 10000-15000     | 50-70    | 260-360                | 79-80          | 850                 | 800                  | <6        | 58           |
| 900WSG  | 12000-19000     | 50-75    | 280-330                | 83-85          | 950                 | 900                  | <6        | 85           |
| 1000WSG | 16000-25000     | 23-76    | 180-290                | 85-87          | 1100                | 1000                 | <6        | 126          |

CONSTRUCTIONAL DRAWING OF CENTRIFUGAL DREDGING PUMP



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