

Submersible Contractor Pump

TYPE DU-DUH

APPLICATIONS

- General engineering work
- Drainage from pits, manhole, etc.
- Other kinds of drainage or water supply

FEATURES

- NON CLOGGING**
Semi-open impeller allows passage of foreign objects.
- AERO OPERATION IS POSSIBLE**
Continuous operation is possible even when submersible motor is exposed to air, and drainage of water until extremely low water level.
- WATERPROOF MATERIALS OF HIGH QUALITY**
Ductile cast iron(FCD450)is used for impeller and stainless steel is used for pump shaft, bolts and nuts.
- BUILT-IN MOTOR PROTECTOR**
When motor gets blocked and an overloaded operation starts, motor protector works to prevent motor from failure.



SPECIFICATIONS

| | |
|-----------------|--|
| Liquid | Quality : Clean, muddy or filthy water Temperature : 0 — 5°C Viscosity : Below 5 centi poise Hydrogen ion : Within PH 6.5 and PH 8.0 Sand content : Below 4% Size of grains : Smaller than 6 mm |
| Materials | Impeller : Ductile cast iron (FCD450) Shaft : Stainless stel (SUS403) Casting : Cast iron |
| Motor | Kind : Dry-sealed submersible Speed : 3,600 -min. Voltage : 220V or 380 V Starting : Direct on line Insulation : DUH=E, DU=B |
| Mechanical seal | Double type mechanical seal Lower: SiC (Silicon carbide) × SiC Upper: Ceramic × Carbon |

STANDARD ACCESSORIES

| | DUH | DU |
|--------------------|------|----------|
| Hose coupling | 1pce | 1pce(*1) |
| Flange (Discharge) | NIL | 1pce(*2) |
| Motor cable | 20 m | 20 m |

*1 Except 11 kw and 15 kw

SPECIAL INSTRUCTION

When the voltage regulation exceeds 10%, either plus or minus, motor protector starts to operate and performance of pump drops sharply.

To prevent this, when generator is used for power source, use a generator which has an output more than 4 (four) times as much as that of pump.

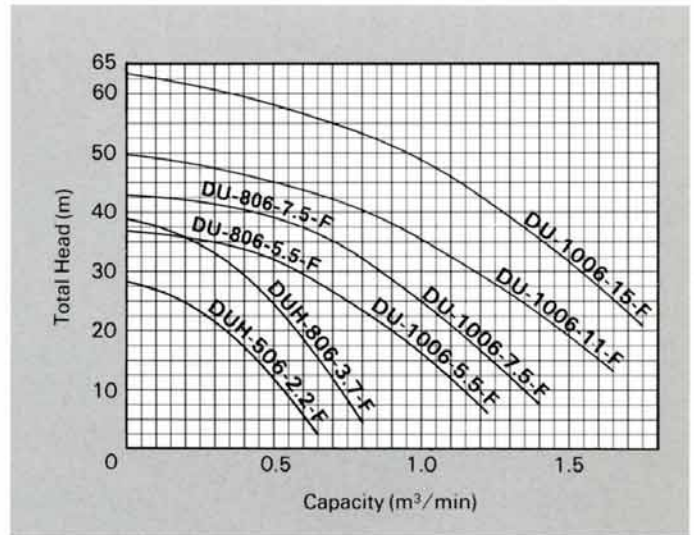
Submersible Contractor Pump

SELECTION

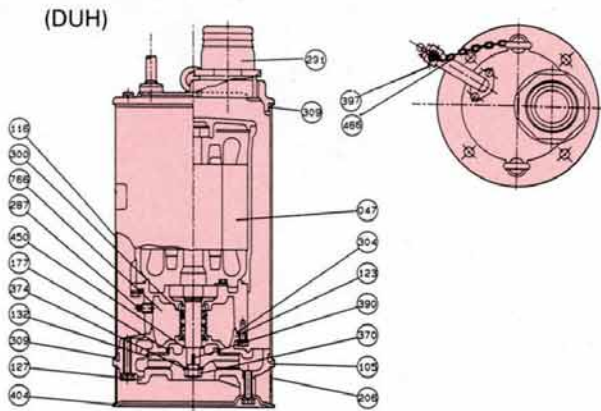
| MODEL | BORE (MM) | MOTOR (HP) | STANDARD PERFORMANCE | | MAXIMUM PERFORMANCE | | KG |
|------------------------------|-----------|------------|--------------------------------|----------------|--------------------------------|----------------|-----|
| | | | CAPACITY (m ³ /min) | TOTAL HEAD (m) | CAPACITY (m ³ /min) | TOTAL HEAD (m) | |
| DUH-506-2.2-F | 50 | 3 | 0.25 | 23.0 | 0.650 | 28.0 | 46 |
| DUH-806-3.7-F | 80 | 5 | 0.5 | 22.0 | 0.750 | 37.0 | 52 |
| DU-806-5.5-F _{2/4} | 80 | 7.5 | 1.0 | 16.5 | 1.350 | 37.0 | 112 |
| DU-1006-5.5-F _{2/4} | 100 | 7.5 | 1.0 | 16.5 | 1.350 | 37.0 | 112 |
| DU-806-7.5-F _{2/4} | 80 | 10 | 1.0 | 25.2 | 1.500 | 43.0 | 120 |
| DU-1006-7.5-F _{2/4} | 100 | 10 | 1.0 | 25.2 | 1.500 | 43.0 | 120 |
| DU-1006-11-F | 100 | 15 | 0.6 | 43.5 | 1.650 | 50.0 | 161 |
| DU-1006-15-F | 100 | 20 | 0.9 | 51.0 | 1.750 | 62.5 | 181 |

※F2=220V ※F4=380V

PERFORMANCE



PARTS LIST

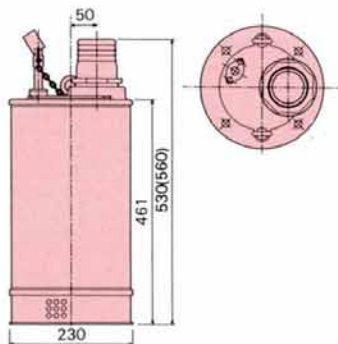


| NO. | NAME OF PARTS |
|-----|-------------------|
| 047 | Submersible motor |
| 105 | Casing |
| 116 | Pipe casing |
| 123 | Casing cover |
| 127 | Suction cover |
| 132 | Impeller |
| 177 | Wearing |
| 206 | Strainer |
| 272 | Flange |
| 287 | Plug |
| 291 | Hose coupling |
| 300 | Mechanical seal |
| 304 | O-ring |

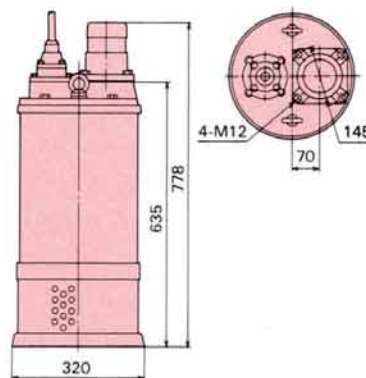
| NO. | NAME OF PARTS |
|-----|-----------------|
| 312 | Flange packing |
| 370 | Impeller nut |
| 374 | Impeller washer |
| 390 | Key |
| 397 | Clamp |
| 404 | Base |
| 419 | Cap |
| 450 | Shim |
| 460 | Cushion |
| 466 | Chain |
| 468 | Hanger |
| 605 | Cable |
| 766 | Turbine oil |

DIMENSIONS

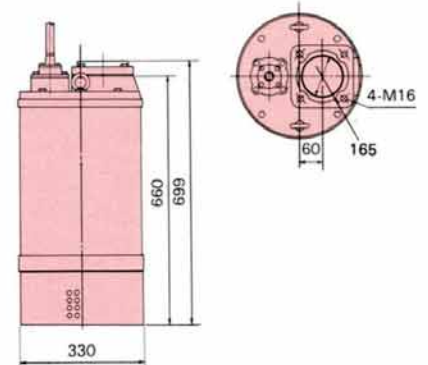
DUH-2.2~3.7kw



DU-5.5~7.5 kw



DU-11~15 kw



Distributor

KAWAMOTO PUMP MFG. CO.,LTD.

11, Ohsu 4-Chome
Nakaku, Nagoya, Japan

Printed in Japan

| | |
|------|-----------|
| Kind | DU(H)-ENG |
| No. | U520110 |
| Ed. | NO.1 |