# KTD

## A cast iron made, heavy-duty slurry pump employing the KTZ-series as the base

**NEW** Tsurumi Agitator Pump **KTD Series** is a cast iron made, heavy-duty slurry pump employing the KTZ Series as the base. An agitator is provided to assist smooth suction of the pumping fluid. The side-flow, top-discharge design keeps the motor cooling even if the pump is operated continuously with its motor exposed in air, and it makes the pump easier to place in a confined space.

**KTD Series** is suitable for transferring or draining bentonite slurry used for slurry drilling, draining slurry mixed water in civil engineering works or foundation works.

## Standard Specifications

| MODEL | MOTOR SPECIFICATIONS | | | | | | PUMP SPECIFICATIONS | | | DIMENSIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor Output (HP) | Rated Current (A) | | | | RPM | Discharge Size (in.) | Maximum Capacity (GPM) | Maximum Head (ft.) | Dimension (in.) | | Continuous Running Water Level (in.) | Pump Weight (lbs.) |
| | | 208V | 230V | 460V | 575V | | | | | Diameter | Height | | |
| KTD22.0 | 2.7 | 8.7* | 8.2 | 4.1 | 3.3 | 3410 | 2 | 111 | 66 | 9 1/4 | 23 3/16 | 5 1/2 | 86 |
| KTD33.0 | 4 | 12.0* | 11.4 | 5.9 | 4.5 | 3410 | 3 | 209 | 75 | 11 11/16 | 25 3/4 | 6 1/4 | 145 |

* : 208 & 230V same motor

## Major Components & Specifications

| | | | |
|---|---|---|---|
| Discharge Bore inches | | | 2 / 3 |
| Pumping Fluid | Type of Fluid | | Sludge, Slurry, Fluid containing Mud |
| | Fluid Temperature | | 32 ~ 104°F |
| Pump | Structure | Impeller | Semi-open |
| | | Shaft Seal | Double Mechanical Seal with Oil Lifter |
| | | Bearing | Double-shielded Ball Bearing |
| | Materials | Impeller | High-chromium Cast Iron |
| | | Shaft Seal | Silicon Carbide |
| | | Casing | Gray Cast Iron |
| | | Agitator | Ductile Cast Iron |
| Motor | Type, Pole | | Dry Type Submersible Induction Motor, 2-pole |
| | Insulation | | Class F |
| | Phase | | Three-phase |
| | Starting Method | | Direct on Line |
| | Protection Device (Built-in) | | Circle Thermal Protector |
| | Lubricant | | Turbine Oil (ISO VG32) |
| | Materials | Frame | Gray Cast Iron |
| | | Shaft | 420 Stainless Steel |
| | | Cable | PVC (KTD22.0) Chloroprene Rubber (KTD33.0) |
| Discharge Connection | | | NPT Coupling |

* We reserve the right to change the specifications and designs for improvement without prior notice.

## Performance Curves