

Tsurumi KTD33.0-53 Submersible Slurry Pump with Agitator
4 HP (3 kW) - 80 mm, 415 V 50 Hz, Imported, Refurbished & Tested

TSURUMI

SKU

SM-SUB-TSU-KTD33-4HP

CATEGORY

Industrial Pumps



Standard Machinery || +91 8866662293

In Stock

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Request pricing and availability on WhatsApp with the product details pre-filled.

- ✓ Genuine Tsurumi KTD33.0-53 submersible slurry pump, Japan
- ✓ Agitator below the impeller for sand, mud and settled solids
- ✓ 3 kW (4 HP) motor, 380/400/415 V, 50 Hz, 3 phase
- ✓ Up to 22 m head and approx. 0.79 m³/min flow
- ✓ 80 mm (3 inch) hose outlet
- ✓ Built-in motor protector
- ✓ IP68 submersible motor, up to 17 m depth, insulation class F
- ✓ Imported, refurbished and tested before dispatch

Technical Specifications

Manufacturer	Tsurumi
SKU	SM-SUB-TSU-KTD33-4HP
Model	KTD33.0-53
Series	KTD
Product Type	Submersible Slurry Pump with Agitator
Origin	Japan
Condition	Imported, Refurbished & Tested
Motor Output (P2)	3 kW

Motor Output (P2)	4 HP
Phase	3 Phase
Voltage	380/400/415 V
Frequency	50 / 60 Hz
Rated Current (415 V)	6.3 A
Insulation Class	F
Enclosure	IP68
Speed	2850 RPM
Maximum Head	22 M
Maximum Flow	47000 LPH

Product Description

Tsurumi KTD33.0-53 Submersible Slurry Pump with Agitator - 3 kW (4 HP), 80 mm

This is an **imported Tsurumi KTD33.0-53 submersible slurry pump**, made by Tsurumi Manufacturing of Japan. The **KTD series** is Tsurumi's heavy-duty slurry pump range, built on the same rugged base as its KTZ dewatering pumps. It has a **3 kW (4 HP)** motor for **380/400/415 V, 50 Hz, 3 phase** supply and an **80 mm (3 inch) outlet**. It is supplied by Standard Machinery in **Imported, Refurbished & Tested** condition.

The key feature of this pump is the agitator fitted below the impeller. It stirs up sand, mud and settled solids at the bottom of the pit so they are drawn into the pump and carried away, instead of building up and blocking the suction. This makes the KTD a strong choice for pits where an ordinary dewatering pump would choke.

Key Specifications

- **Brand / model:** Tsurumi KTD33.0-53
- **Type:** Submersible slurry pump with agitator
- **Origin:** Tsurumi Mfg. Co., Ltd., Osaka, Japan
- **Motor output (P2):** 3 kW (approx. 4 HP)
- **Power input (P1):** 4.03 kW
- **Supply:** 3 phase, 380/400/415 V, 50 Hz
- **Rated current:** 6.8 / 6.5 / 6.3 A (at 380 / 400 / 415 V)
- **Speed:** 2850 RPM
- **Maximum head:** 22 m (approx. 72 ft)
- **Maximum flow:** approx. 0.79 m³/min (approx. 47,000 LPH / 209 US GPM)
- **Outlet:** 80 mm (3 inch) hose outlet
- **Motor protection:** Built-in motor protector
- **Enclosure:** IP68, submersible to 17 m
- **Insulation class:** F
- **Maximum liquid temperature:** 40 °C
- **Weight:** 65 kg (approx. 143 lb)
- **Condition:** Imported, Refurbished & Tested

Maximum head and maximum flow occur at different points on the pump curve, not at the same time.

Applications

- Sand and silt removal from pits, sumps and settling tanks
- Mud and slurry pumping on construction and piling sites
- Cleaning out flooded basements and pits with heavy sediment
- Quarry, aggregate wash and mining sumps
- Desilting of drains, channels and intake wells
- Industrial process sumps with settled solids

Industries Served

- Construction, piling and foundation contractors
- Mining, quarrying and aggregate plants
- Tunnelling and underground works
- Municipal drainage and desilting contractors
- Ports, dredging and marine works
- Industrial plants with slurry or sediment pits

Why Buy from Standard Machinery

- **Genuine Tsurumi slurry pump:** Original Tsurumi nameplate with full ratings
- **Ready for Indian power:** 380/400/415 V, 50 Hz rating, no rewinding or VFD needed
- **Built-in agitator:** Keeps solids moving so the suction does not choke
- **Imported industrial equipment:** Sourced from the Alang Ship Breaking Yard and refurbished in Bhavnagar, Gujarat
- **Tested before dispatch:** Each pump is checked and run before it leaves our facility
- **Pan-India and export supply:** Dispatch across India and to buyers in Africa, the Middle East and Southeast Asia

Voltage & Power Note

This pump is rated **380/400/415 V, 50 Hz, 3 phase**, a direct match for standard Indian industrial supply. It draws about **6.3 A at 415 V**. Use a DOL starter with overload, phase-failure and earth protection. The motor has a built-in protector that switches it off on overheating.

Safety Note

- This refurbished unit is **not offered as explosion-proof** and must not be used in hazardous areas
- For water, slurry, sand and mud up to 40 °C; **not for oil, fuel, solvents or flammable liquids**
- Do not install deeper than 17 m below the liquid surface
- Lift and lower the pump only by its lifting point using a chain or rope, never by the power cable
- Always connect the earth conductor before use

Maintenance Tips

- Check the seal chamber oil regularly; water in the oil indicates seal wear
- Inspect the agitator, impeller and suction cover for wear after heavy slurry work
- Clear the suction strainer of packed mud after each job
- Flush the pump with clean water after pumping slurry
- Check motor insulation resistance before installation
- Inspect the power cable for cuts and damage before each use

Frequently Asked Questions

What is the Tsurumi KTD series?

The KTD series is Tsurumi's heavy-duty submersible slurry pump range, based on its KTZ dewatering pumps and fitted with an agitator for pumping sand, mud and settled solids.

What does the agitator do?

The agitator stirs up settled sand and mud at the pump inlet so the solids are drawn in and pumped out, preventing build-up and suction blockage.

Will it run on Indian 415 V supply?

Yes. It is rated 380/400/415 V, 50 Hz, 3 phase, which matches Indian industrial supply directly. Current at 415 V is about 6.3 A.

What are its head and flow?

Maximum head is 22 m and maximum flow is approximately 0.79 m³/min (about 47,000 LPH). These occur at different points on the pump curve.

What size hose does it need?

It has an 80 mm (3 inch) outlet, suitable for a 3 inch hose.

Do you export?

Yes. Standard Machinery supplies across India and exports to Africa, the Middle East and Southeast Asia. Contact us for export packing and shipping details.

Need a Tsurumi slurry pump for sand, mud or sediment? Contact Standard Machinery, Bhavnagar, Gujarat, at +91 88 6666 9293 / +91 73837 39400 or info@standardmachinery.store for price, photos and availability.

Compatibility

- Power supply: 3 phase, 380/400/415 V, 50 Hz (direct match for Indian supply)
- Rated current: 6.8 / 6.5 / 6.3 A at 380 / 400 / 415 V
- Starter: DOL starter with overload, phase-failure and earth protection
- Outlet: 80 mm (3 inch) hose connection
- Liquid: Water, slurry, sand and mud, up to 40 °C
- Installation: Submersible up to 17 m depth; lower by the lifting point, never by the cable
- Not suitable for: Oil, fuel, solvents, flammable liquids or explosive atmospheres

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