STANDARD MACHINERY

PRODUCT DATASHEET

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Tsurumi KTZ-15H Heavy-Duty Dewatering Pump 2 HP (1.5 kW) – Cast Iron, High-Chrome Impeller, 50 mm, Rewound for 440 V, Imported, Refurbished & Tested

TSURUMI

SKU
SM-SUB-TSU-KTZ15H-2HP

CATEGORY
Industrial Pumps

● In Stock

PRICE (USD)

$400.00 ~~$600.00~~

* Prices are exclusive of GST and subject to change without notice.

Chat on WhatsApp

Use WhatsApp for pricing and availability with the product details pre-filled.

- ✓ Genuine Tsurumi KTZ-15H from the flagship KTZ series, made in Japan
- ✓ Cast iron body with high-chrome cast iron impeller
- ✓ Double silicon carbide mechanical seals in oil chamber
- ✓ 1.5 kW (2 HP) motor rewound for 440 V, 3 phase
- ✓ Factory rated 15,000 LPH at 16.5 m head (60 Hz)
- ✓ 50 mm (2 inch) outlet
- ✓ Built for water with sand, silt and grit
- ✓ Imported, refurbished and tested before dispatch

Technical Specifications

Manufacturer	Tsurumi
SKU	SM-SUB-TSU-KTZ15H-2HP
Model	KTZ-15H
Product Type	Heavy-Duty Submersible Dewatering Pump
Origin	Japan

Condition	Imported, Refurbished & Tested
Motor Power	1.5 kW
Motor Power	2 Hp
Phase	3 Phase
Voltage	380~440 V
Insulation Class (Factory)	E
Rated Head (60 Hz)	16.5 M
Rated Capacity (60 Hz)	15,000 LPH
Body	Cast Iron
Impeller	High-Chrome Cast Iron

Product Description

Tsurumi KTZ-15H Heavy-Duty Dewatering Pump – 2 HP, Cast Iron, 50 mm

This is an **imported Tsurumi KTZ-15H submersible dewatering pump** from Tsurumi's **KTZ series**, the Japanese manufacturer's flagship line of heavy-duty drainage pumps. It has a **1.5 kW (2 HP)** motor and a **50 mm (2 inch) outlet**, and Tsurumi rates it at **0.25 m³/min (15,000 LPH) at 16.5 m head**. It is supplied by Standard Machinery in **Imported, Refurbished & Tested** condition, with the **motor rewound for 440 V, 3 phase**.

Unlike lightweight aluminium site pumps, the KTZ series is built with a cast iron body and a high-chrome cast iron impeller, designed to keep working in abrasive water carrying sand and silt. In Tsurumi's current range, the comparable 50 mm, 1.5 kW model is the KTZ21.5.

What Makes the KTZ Series Different

- **Cast iron construction:** Pump casing and motor frame in cast iron for durability in harsh site conditions
- **High-chrome impeller:** Semi-open impeller in high-chromium cast iron, with a ductile iron suction cover, for wear resistance in sandy water
- **Double silicon carbide seals:** Mechanical seals isolated in an oil chamber to protect against abrasion
- **Convertible performance:** Tsurumi designed the series so head or volume can be changed by swapping the impeller and wear plate
- **Self-cooling design:** Pumped water passes through the casing to help cool the motor

Key Specifications

- **Brand / model:** Tsurumi KTZ-15H
- **Series:** Tsurumi KTZ heavy-duty dewatering pumps
- **Origin:** Japan
- **Motor:** Submersible 3 phase induction, 1.5 kW (2 HP)
- **Voltage:** 440 V, 3 phase (motor rewound by Standard Machinery; original factory rating 200/220 V)
- **Factory rating (60 Hz):** 0.25 m³/min (15,000 LPH / 66 US GPM) at 16.5 m (54 ft) head
- **Outlet:** 50 mm (2 inch)
- **Construction:** Cast iron body, high-chrome cast iron impeller
- **Insulation (factory):** Class E
- **Condition:** Imported, Refurbished & Tested; motor rewound for 440 V

Applications

- Construction site and excavation dewatering
- Pits and sumps with sand, silt and grit
- Quarry and small mine drainage
- Tunnels, shafts and trenches
- Ground water, rain and spring water removal
- Industrial process and wash-water pits

Industries Served

- Civil and building contractors
- Mining and quarrying
- Tunnelling and underground works
- Industrial and processing plants
- Ports and ship repair yards
- Pump rental fleets

Why Buy from Standard Machinery

- **Genuine Tsurumi KTZ:** Japanese flagship dewatering pump with original nameplate retained
- **Ready for Indian supply:** Motor rewound for 440 V, no transformer needed
- **Built for abrasive water:** Cast iron body and high-chrome impeller
- **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

The motor has been **rewound for 440 V, 3 phase**, which suits standard Indian 415–440 V industrial supply. The original Tsurumi nameplate is retained and still shows the factory rating of 200/220 V, 60 Hz; the 440 V rating applies after our rewinding.

Tsurumi's rated duty point of 15,000 LPH at 16.5 m is for 60 Hz operation. On a 50 Hz supply, the pump runs about 17% slower; by the pump affinity laws, the duty point shifts to roughly 12,500 LPH at about 11.5 m. Use a DOL starter with overload, phase-failure and earth protection.

Safety Note

- This refurbished unit is **not offered as explosion-proof** and must not be used in hazardous areas
- Pump water only, including water with sand and silt; **not for oil, fuel, solvents or flammable liquids**
- Lift and lower the pump by its handle, 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 impeller and wear plate if output drops; both are replaceable wear parts
- Clean the strainer after working in muddy water
- Check motor insulation resistance before installation
- Inspect the power cable for cuts and damage before each use
- Check running current after installation and set the overload relay accordingly

Frequently Asked Questions

What is the Tsurumi KTZ series?

The KTZ series is Tsurumi's flagship line of heavy-duty submersible dewatering pumps, built in cast iron with high-chrome impellers for abrasive site water.

How is the KTZ-15H different from lighter site pumps?

It uses a cast iron body and a high-chrome cast iron impeller instead of lighter materials, giving better wear resistance when pumping water with sand and silt.

Can I use it on Indian 415–440 V supply?

Yes. The motor has been rewound for 440 V, 3 phase. The original nameplate still shows the Japanese factory rating of 200/220 V.

What is its output?

Tsurumi rates it at 15,000 LPH at 16.5 m on 60 Hz. On 50 Hz, expect roughly 12,500 LPH at about 11.5 m.

What hose size does it need?

It has a 50 mm (2 inch) outlet, suitable for a 2 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 heavy-duty Tsurumi KTZ pump for sandy site water? 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, 440 V (motor rewound); suits Indian 415–440 V supply
- On 50 Hz: approx. 17% slower than factory 60 Hz rating, with reduced head and flow
- Starter: DOL starter with overload, phase-failure and earth protection
- Outlet: 50 mm (2 inch) hose connection
- Liquid: Water, including water with sand, silt and grit
- Installation: Submersible; lower by the handle, never by the cable
- Not suitable for: Oil, fuel, flammable liquids or explosive atmospheres

Standard Machinery

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