STANDARD MACHINERY

PRODUCT DATASHEET

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Tsurumi 22 kW (30 HP) Submersible Dewatering Pump – 4 Inch (100 mm), 60 Hz, Japanese, Imported, Refurbished & Tested

TSURUMI

SKU
SM-SUB-TSU-422-22KW

CATEGORY
Industrial Pumps

● In Stock

Chat on WhatsApp

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

- ✓ Genuine Tsurumi submersible pump with Japanese nameplate
- ✓ 22 kW (approx. 30 HP) three phase submersible motor
- ✓ 100 mm (4 inch) top discharge
- ✓ Rated for continuous submerged duty
- ✓ 3490 RPM at 60 Hz
- ✓ Compact upright design for narrow pits and sumps
- ✓ Two heavy lifting eyes and bottom strainer
- ✓ Imported, refurbished and tested before dispatch

Technical Specifications

Manufacturer	Tsurumi
SKU	SM-SUB-TSU-422-22KW
Model	GH-422
Product Type	Submersible Dewatering Pump
Condition	Imported, Refurbished & Tested
Rated Output	22 KW
Rated Output	30 HP
Phase	3 Phase

Frequency	60 Hz
Duty	Continuous, Submerged
Speed (60 Hz)	3490 RPM
Outlet Size	100 mm (4 inch)
Discharge	Top
Inlet	Bottom Strainer

Product Description

Tsurumi 22 kW (30 HP) Submersible Dewatering Pump – 4 Inch (100 mm)

This is an **imported Tsurumi submersible dewatering pump** with a **22 kW (approx. 30 HP)** three phase motor and a **100 mm (4 inch) top discharge**. It carries its original Japanese nameplate (model marked GH-422) and is rated for **continuous submerged duty**. It is supplied by Standard Machinery in **Imported, Refurbished & Tested** condition.

Tsurumi is a Japanese manufacturer well known for rugged submersible pumps used in construction, mining and tunnelling. This unit has a compact upright design with top discharge, two heavy lifting eyes and a bottom strainer, so it can be lowered into narrow pits and sumps.

Key Specifications

- **Brand:** Tsurumi (Japanese nameplate)
- **Model (as on nameplate):** GH-422
- **Type:** Submersible dewatering / drainage pump
- **Motor:** Submersible three phase induction motor
- **Rated output:** 22 kW (approx. 30 HP)
- **Rated frequency:** 60 Hz
- **Speed:** 3490 RPM at 60 Hz
- **Rated current:** 77 A
- **Duty:** Continuous, submerged
- **Outlet:** 100 mm (4 inch), top discharge
- **Inlet:** Bottom strainer
- **Handling:** Two lifting eyes
- **Condition:** Imported, Refurbished & Tested

Applications

- Construction site and deep excavation dewatering
- Mine and quarry sump pumping
- Tunnel and shaft drainage
- Groundwater and seepage removal
- Flood and storm water pumping
- Water transfer from deep pits

Industries Served

- Construction and infrastructure
- Mining and quarrying
- Tunnelling and metro projects
- Ports and ship repair yards

- Municipal drainage and flood relief
- Industrial plants with deep sumps

Why Buy from Standard Machinery

- **Genuine Japanese pump:** Tsurumi unit with original nameplate
- **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
- **Honest electrical details:** We explain the supply requirements clearly before you buy
- **Experience since 2008:** Supplying pumps, motors, winches and electrical panels to industrial buyers
- **Pan-India and export supply:** Dispatch across India and to buyers in Africa, the Middle East and Southeast Asia

Voltage & Power Note

Please read before ordering. This pump is rated **60 Hz** (3490 RPM). The voltage digits on the nameplate are worn, but the rated current of **77 A at 22 kW** corresponds to a **low-voltage (approx. 200–220 V class) three phase motor**, typical of Japanese supply. A 400 V class motor of the same power would draw about half this current.

This pump must not be connected directly to an Indian 415 V supply. For use in India, one of the following is needed:

- A suitably rated **step-down transformer** to the motor's rated voltage, or
- **Rewinding the motor** for 415 V, 50 Hz

On a 50 Hz supply, the pump will also run about 17% slower, with roughly 69% of its 60 Hz head and 83% of its 60 Hz flow. Contact us and we will confirm the electrical details and suggest the right setup for your site. Use a soft starter or reduced-voltage starter with overload, phase-failure and earth protection.

Safety Note

- Confirm the motor voltage before connecting; connecting to the wrong voltage will damage the motor
- 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 only by its lifting eyes using rated lifting gear, never by the power cable
- Always connect the earth conductor before use

Maintenance Tips

- Check the oil in the seal chamber at regular intervals; water in the oil indicates seal wear
- Inspect the impeller and wear parts if head or flow drops
- Keep the strainer clear of mud and debris
- Check motor insulation resistance before installation
- Inspect the power cable for cuts and damage before every use
- After pumping sandy water, flush the pump with clean water where possible

Frequently Asked Questions

What is the power and outlet size of this Tsurumi pump?

It has a 22 kW (approx. 30 HP) motor and a 100 mm (4 inch) top discharge.

Can I connect it directly to Indian 415 V supply?

No. The 77 A rated current at 22 kW indicates a low-voltage (approx. 200–220 V class) Japanese motor. It needs a step-down transformer or a motor rewind for 415 V. Contact us before ordering.

What frequency is it rated for?

It is rated 60 Hz, 3490 RPM. On 50 Hz, it runs about 17% slower with reduced head and flow.

Can it run continuously?

Yes. The nameplate rates it for continuous submerged duty.

Can it pump sandy or muddy water?

Yes, it is a dewatering pump for water containing sand and silt. It is not for oil or flammable liquids.

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 submersible pump for dewatering? 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: Three phase, 60 Hz, low-voltage (approx. 200–220 V class) motor
- Indian 415 V supply: Step-down transformer or motor rewind required; do not connect directly
- On 50 Hz: Runs about 17% slower with reduced head and flow
- Rated current: 77 A; size cable and protection accordingly
- Starter: Soft starter or reduced-voltage starter with overload, phase-failure and earth protection
- Outlet: 100 mm (4 inch) top discharge
- Liquid: Water, including water with sand and silt
- Not suitable for: Oil, fuel, flammable liquids or explosive atmospheres

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