# 🧭 Tsurumi Pump

## SPECIFICATIONS Mod

#### Model

## KTV2-15

### Drainage Pumps KTV-series

1.5kW, 3-phase

#### Type of Pump

Submersible drainage pump for construction and foundation works, floodwater drainage, etc.

**Type of Fluid** Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

**Discharge Bore & Connection** 50mm, Hose Coupling (80mm discharge bore available on special request)

Motor Output 1.5kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: E Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000/3600min<sup>-1</sup> (50/60Hz)

 Power Supply Voltages & Rated Currents

 50Hz
 60Hz

 380V - 3.4A
 220V - 5.6A

 400V - 3.3A
 380V - 3.3A

 415V - 3.2A
 440V - 2.8A

#### **Power Cable**

Sheath: PVC Standard Length: 8m 200 to 600V supply: 1 x 4 x 1.25mm<sup>2</sup>, O.D. 11.1mm

Dry Weight (excluding cable) 21kg

#### Impeller

Vortex impeller deigned for "high-gap structure", made of ductile cast iron

Solids Passage 50Hz – ¢8.5mm 60Hz – ¢8.5mm

#### **Cable Entry with Anti-Wicking Block**

Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

**Bearing** Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 403 stainless steel

**Shaft Seal** (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

#### **OIL LIFTER** (Patented)

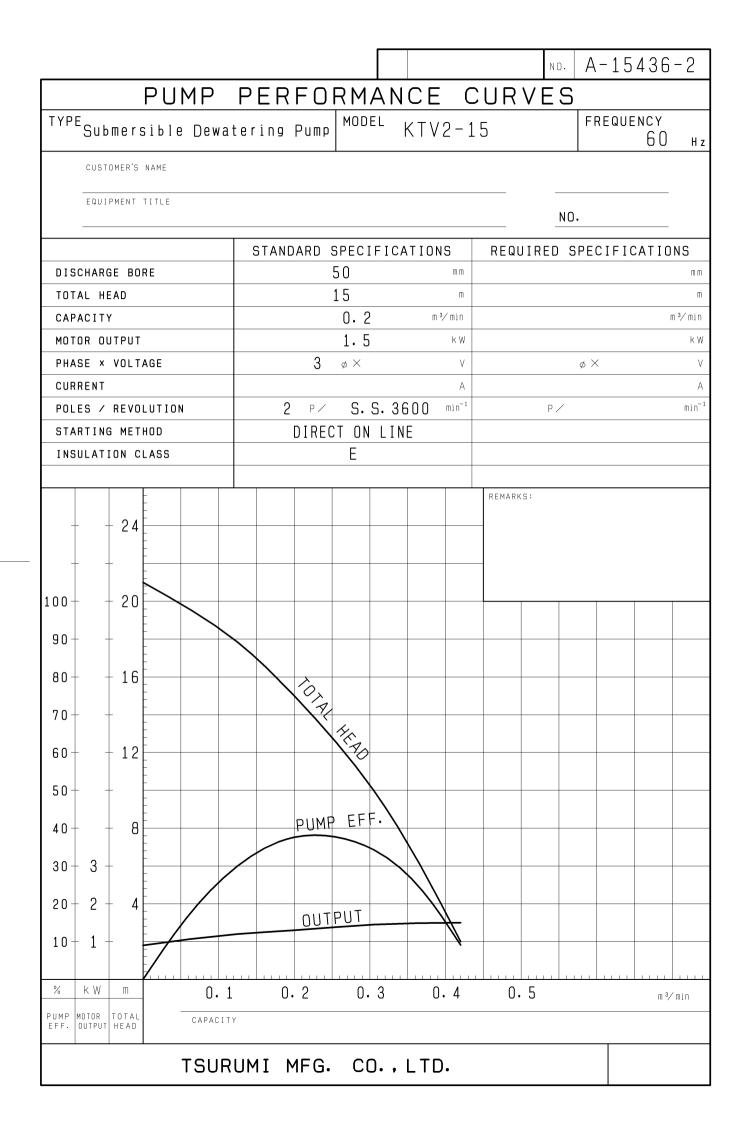
Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

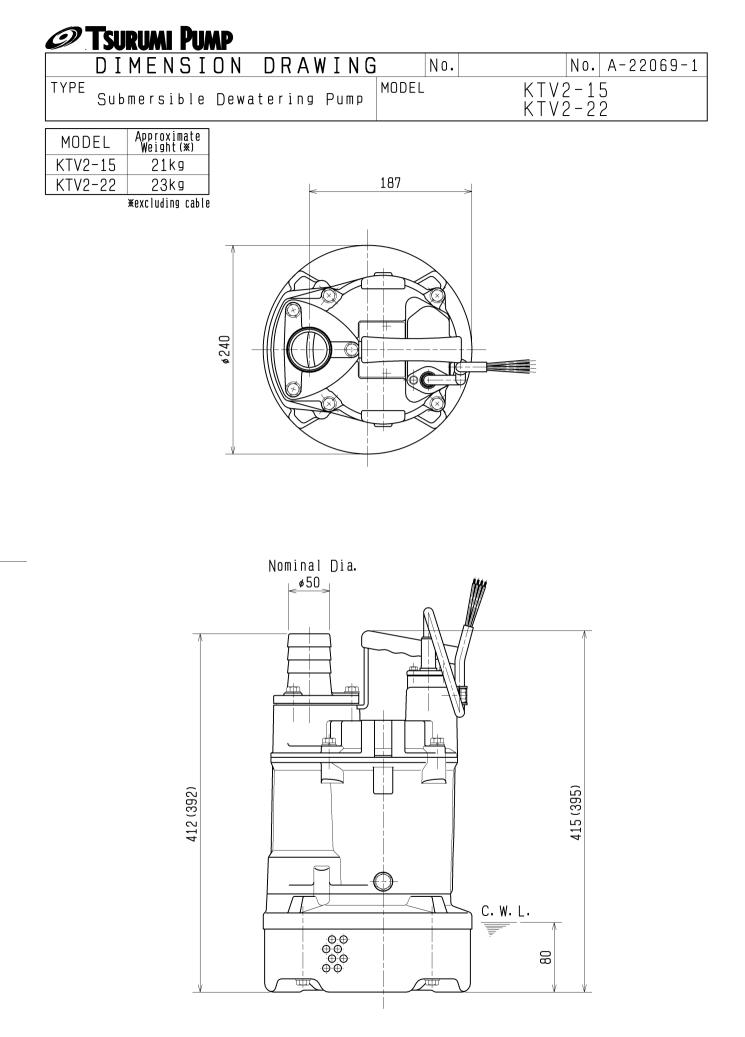
Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 270ml

#### **Motor Protection Device**

A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

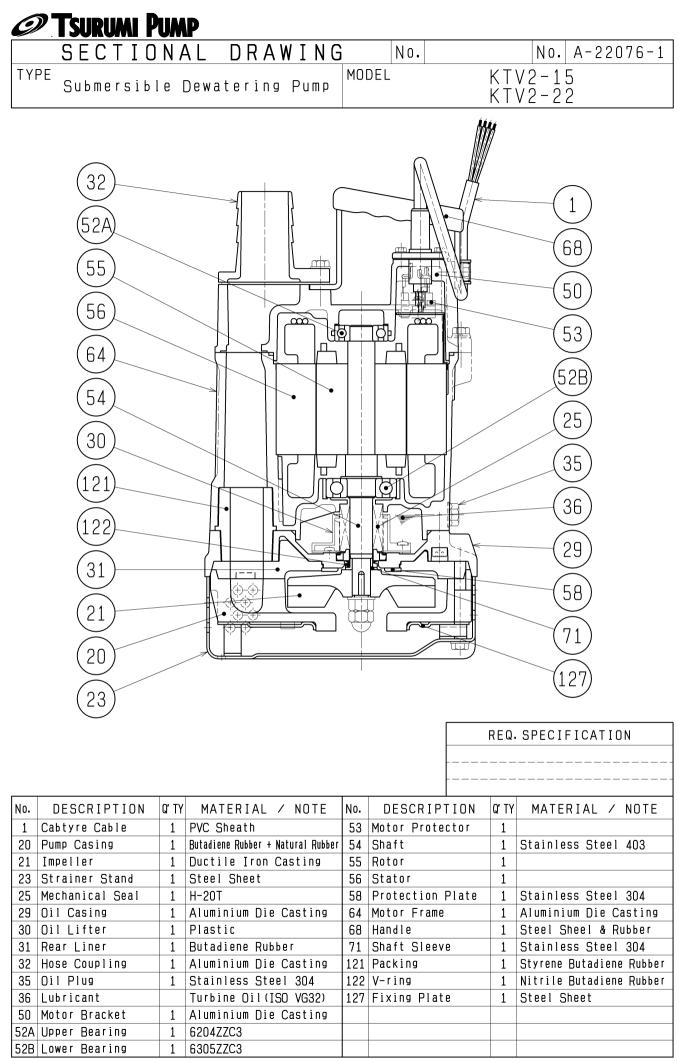
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The Figure in ( ) shows the dimensions of KTV2-15. C.W.L.:Continuous running Water Level

unit:mm



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