Sewage / Wastewater Pumps

Tsurumi Pump		
SPECIFICATIONS	Model	50MG22.2

MG-series

2.2kW, 3-phase

Type of Pump

Submersible cast iron pump with a grinding mechanism suitable for pumping sewage and wastewater

Type of Fluid Sewage, wastewater, and water carrying solid matters

Temperature: 0 to 40°C

Discharge Bore 50mm

Motor Output 2.2kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: F Degree of Protection: IP68

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

Power Supply Voltages & Rated Currents

60Hz
220V – 9.8A
380V – 5.3A
440V – 4.9A

Power Cable

Sheath: PVC Standard Length: 6m 200 to 600V supply: 1 × 4 × 2.0mm², O.D. 11.8mm

Dry Weight (excluding cable) Free Standing Type: 77kg Guide Rail Fitting Type: 73kg

Impeller

Vortex impeller designed for "high-gap structure", dynamically balanced

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.

Bearings

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

Shaft 420 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 Faces: Ceramic + Carbon Lower Seal Faces: SiC + SiC

Oil Seal (Lip Seal) Used as a "Dust Seal", it protects the mechanical seal from abrasive particles.

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), 1350ml

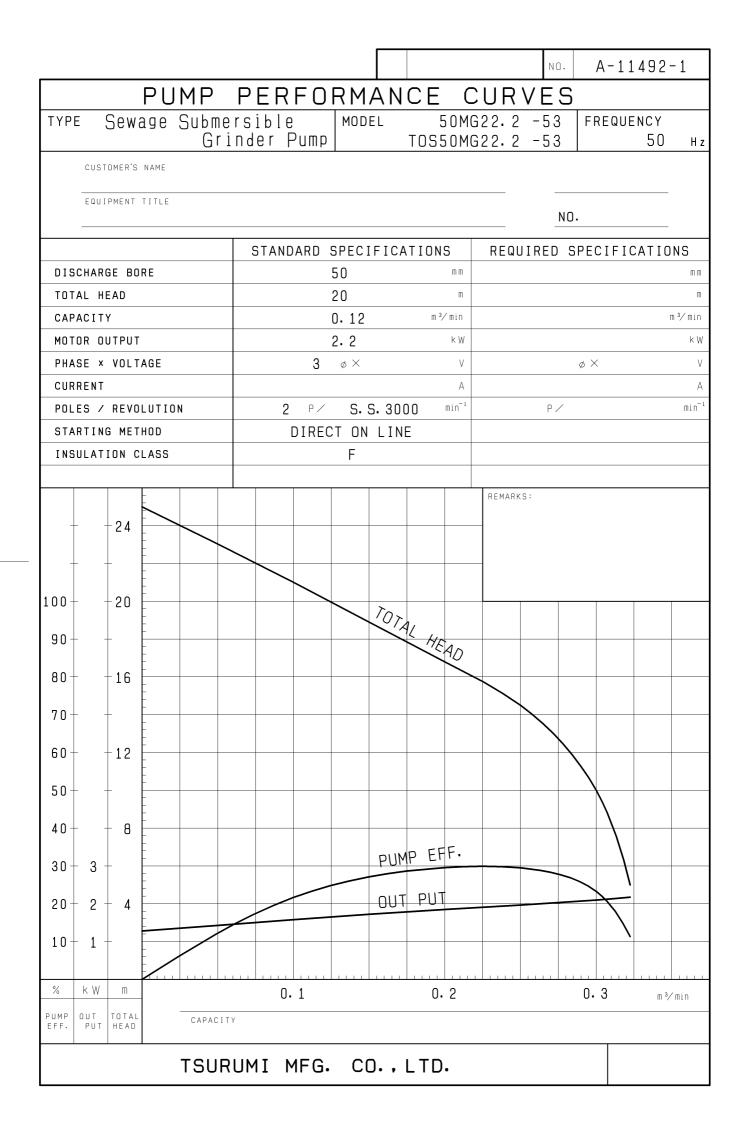
Motor Protection Device

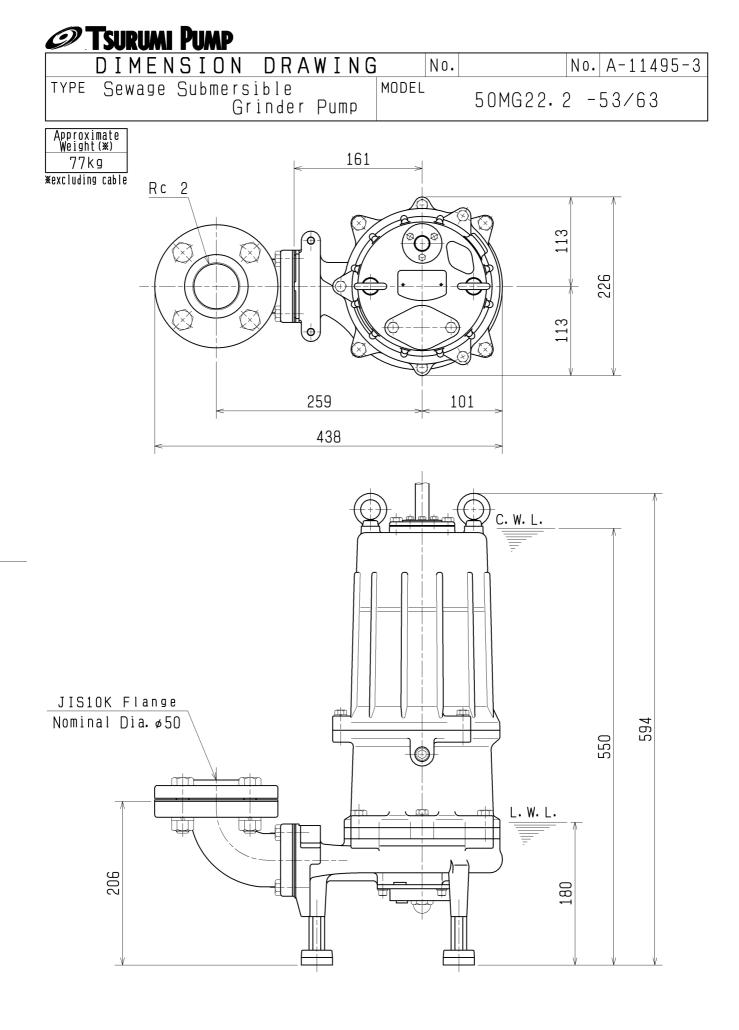
A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

Optional Accessory

External Leakage Sensor

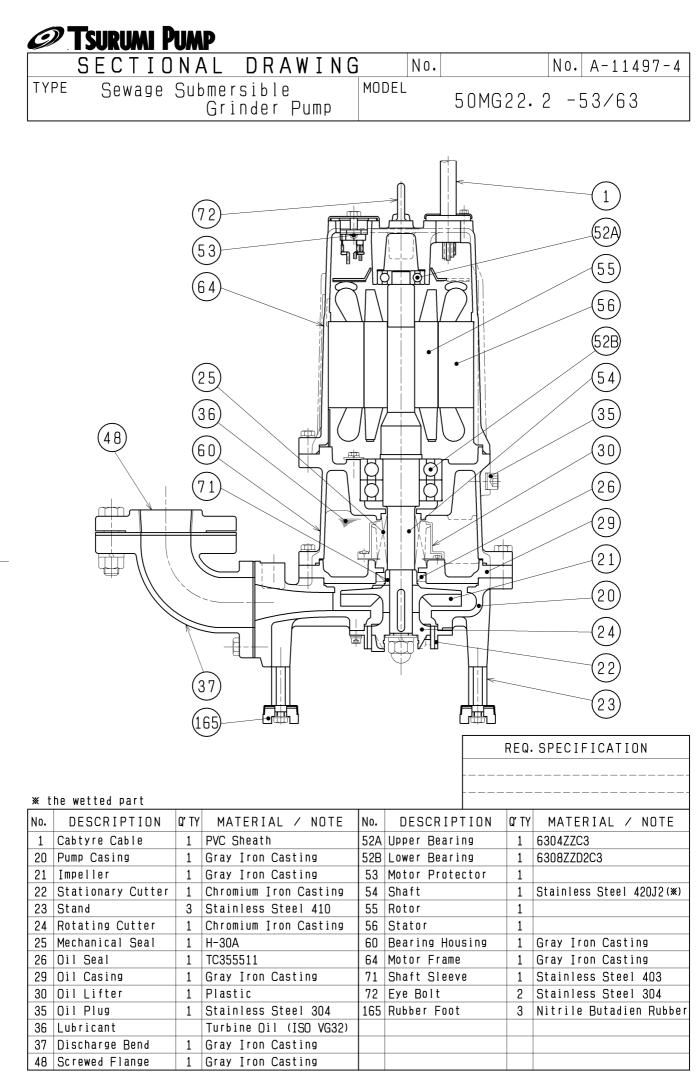
TSURUMI MANUFACTURING CO., LTD.





C.W.L.:Continuous Running Water Level L.W.L.:Lowest Running Water Level

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