



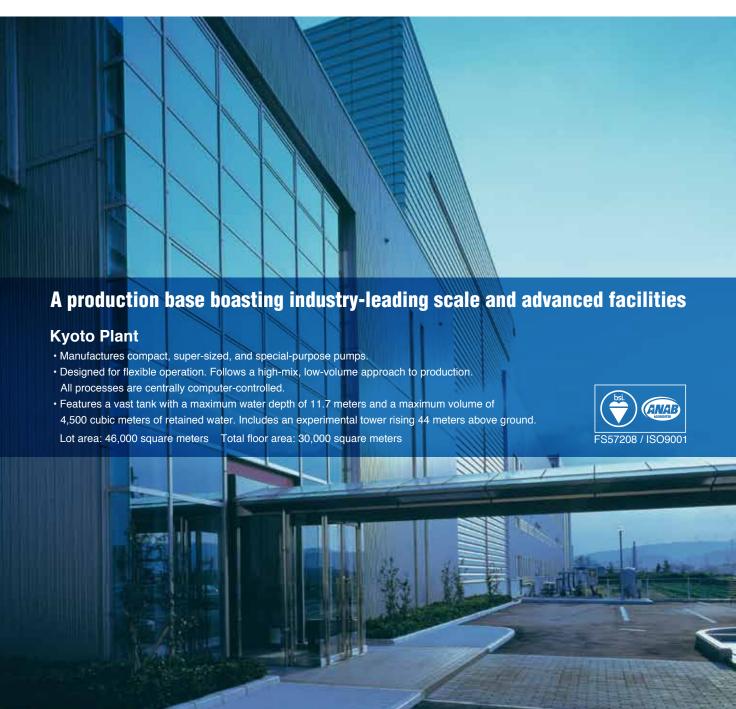


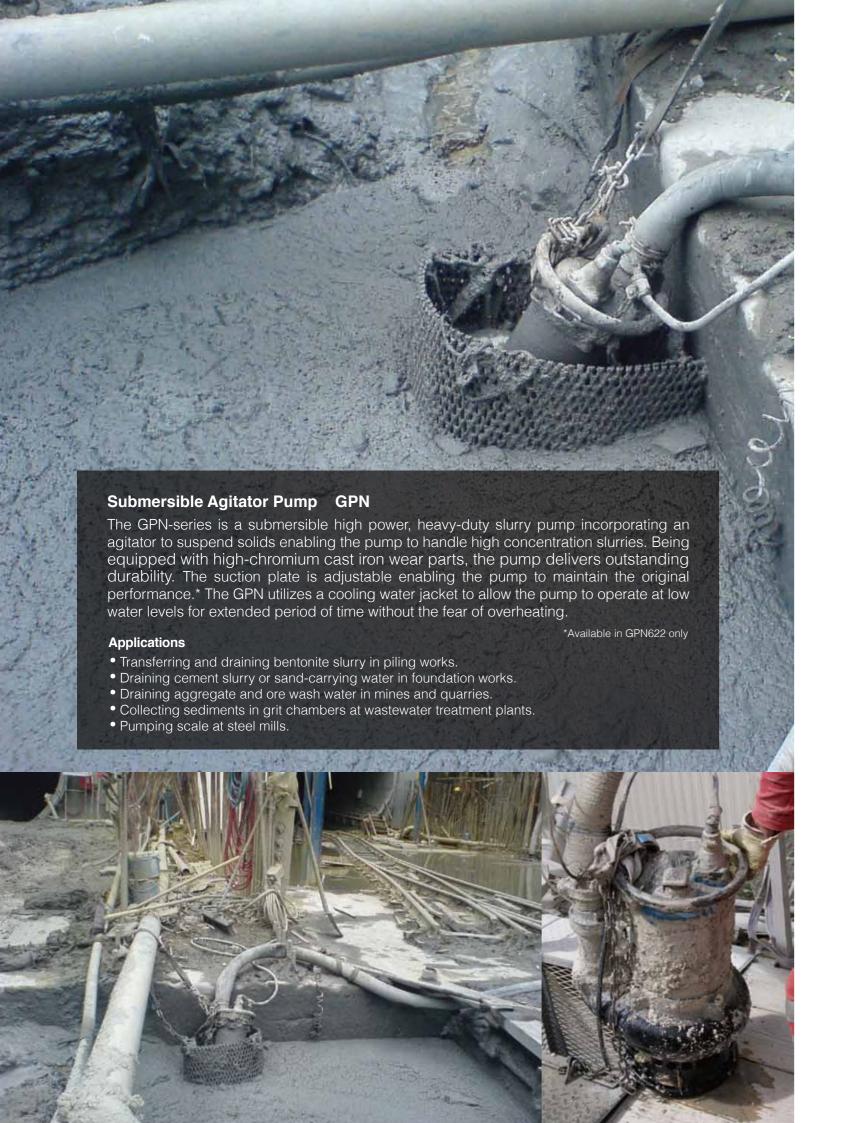
"Pursuing close communication between people and water"

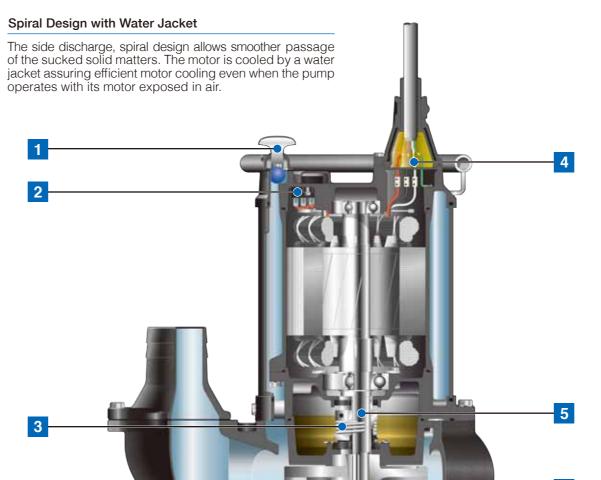
Tsurumi Manufacturing Company, Limited was founded in Osaka, Japan in 1924. Since the foundation, Tsurumi has consistently devoted its efforts to the creation and development of advanced water utilization technologies. Tsurumi has also innovated the pump manufacturing technologies in a constant pursuit of new opportunities and new fields that contribute to the advancement of our society and environment. This effort epitomizes its management policy "Dedicated to pursuing close communication between people and water through innovative creation and respect for harmony with nature."

is a Tsurumi-original keyword created from the combination of amenity and -ics which is a postfix used in academics and technology.

This message expresses our pursuit of technology that is friendly to people and the Earth.







1 Air Release Valve

Fitted on the water jacket, it prevents the Air-lock. When air goes through the valve, the ball stays at the bottom, but when the pumped water starts to flow, it closes the outlet by its buoyancy.

Detects both excess heat and excess amperage draw. It therefore protects against, overheating, overcurrent and dry-running. *GPN622 has built-in miniature thermal protectors working with a dedicated circuit in the control panel.

3 Internal Mechanical Seal with Silicon Carbide Faces

Runs in the oil chamber, a clean, non-corrosive and abrasion free lubricating environment. It eliminates the problems like spring failure and ensures the longest operational life of any seal available. *GPN622 has the Oil Lifter forcibly lubricating and cooling the mechanical seal.

Prevents water incursion due to capillary wicking should the power cable be damaged or the end submerged.

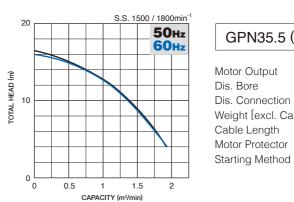
5 Chromium Molybdenum Motor Shaft

Made of SCM435 (JIS), chromium molybdenum steel (tensile strength 930 N/mm² and over). It has the superior performance against a shock given at the instant of sucking hard foreign matters.

6 High-chromium Iron Impeller & Suction Plate
Made of high-chromium cast iron ensuring highest durability. Even if the performance drops due to wearing outof the impeller and/or suction plate, it can be improved by simply replacing the suction plate. *GPN622 has an adjustable suction plate.

7 Agitating Mechanism

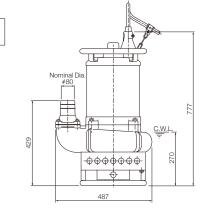
Consists of a shaft-mounted agitator and a dedicated strainer. The agitator made of high-chromium cast iron resists wear caused by abrasive particles, and it suspends solids to assist in pumping sediments in combination with the strainer.

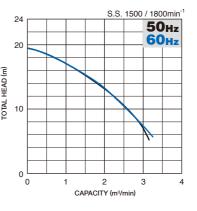


GPN35.5 (GPN3-80)

5.5 kW [Three-phase] Motor Output Dis. Bore Dis. Connection Hose Coupling Weight [excl. Cable] 145 kg Cable Length Circle Thermal Protector Motor Protector

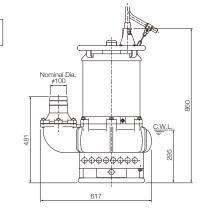
Direct on Line

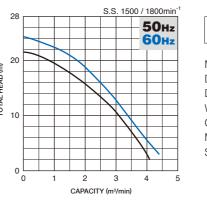




GPN411 (GPN3-100)

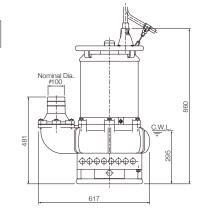
Motor Output 11 kW [Three-phase] Dis. Bore 100 mm Dis. Connection Hose Coupling Weight [excl. Cable] 217 kg Cable Length Motor Protector Circle Thermal Protector Starting Method Direct on Line

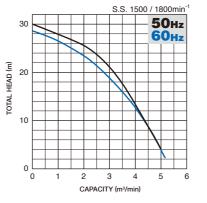




GPN415

Motor Output 15 kW [Three-phase] Dis. Bore 100 mm Dis. Connection Hose Coupling 220 kg Weight [excl. Cable] Cable Length Circle Thermal Protector Motor Protector Starting Method Direct on Line

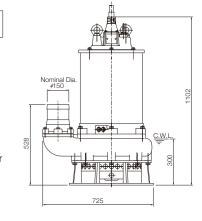




GPN622

Motor Output 22 kW [Three-phase] Dis. Bore 150 mm Hose Coupling Dis. Connection Weight [excl. Cable] 415 kg Cable Length Shaft Seal Double Mechanical Seal with Oil Lifter Motor Protector Miniature Thermal Protector Starting Method Direct on Line

Leakage Sensor available as option





We reserve the right to change the specifications and designs for improvement without prior notice.

TSURUMI MANUFACTURING CO., LTD.

| | | Printed in Japan | CAT. IB108-A | HB-F-B-R |
|---|-------------|------------------|--------------|----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| , | Your Dealer | | | ì |