

Series:

GSZ-6

Discharge Bore:

200mm

Motor Output / Pole:

22·37kW / 6-pole

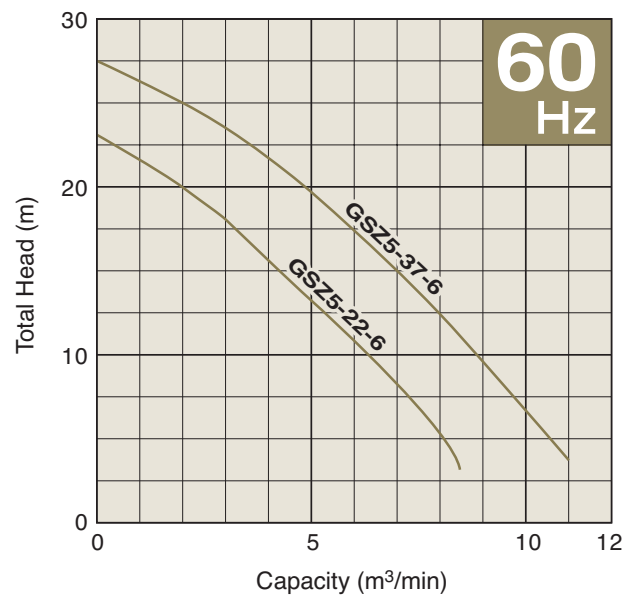
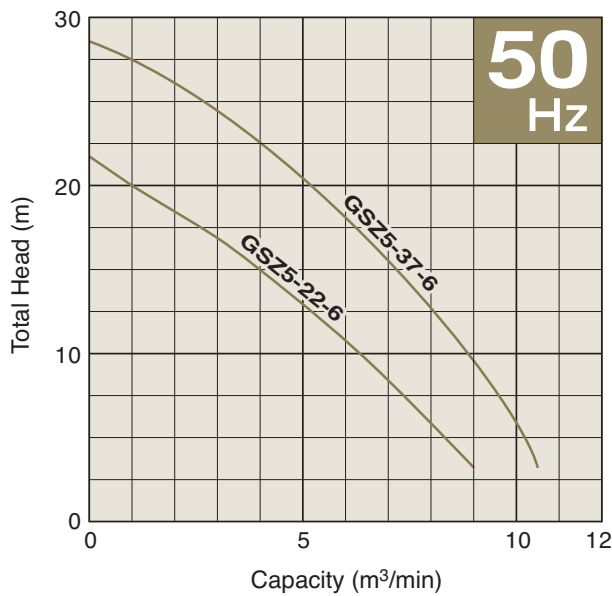


The GSZ-6-series is a submersible three-phase high power and high volume heavy-duty drainage pump driven by a 6-pole motor. In combination with abrasion-resistant wear parts, the very low speed motor ensures extremely long wear life. The side discharge, spiral design allows smoother passage of the sucked solid matters. The motor is cooled by a water jacket that assures efficient motor cooling even when it operates with its motor exposed to air.

Selection Table

Model	Discharge Bore mm	Motor Output kW	Phase	Starting Method	Pole	Dry Weight kg
GSZ5-22-6	200	22	3-phase	Direct on Line	6	685
GSZ5-37-6	200	37	3-phase	Star-Delta	6	796

Performance Curves



SPECIFICATIONS	Model	GSZ5-22-6									
		GSZ-6-series 22kW, 3-phase									
<p>Type of Pump Submersible high power and high volume drainage pump for construction and foundation works, floodwater drainage, etc.</p> <p>Water Jacket Equipped with a water jacket, around the motor frame. A portion of the pumped liquid is allowed to flow into the water jacket to cool the motor.</p> <p>Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water</p> <p>Temperature: 0 to 40°C</p> <p>Discharge Bore & Connection 200mm, JIS 10kg/cm² Flange</p> <p>Motor Output 22kW</p> <p>Power Supply Three-phase</p> <p>Starting Method Direct on Line</p> <p>Motor Continuous-duty rated, dry-type induction motor</p> <p>Insulation Class: F Degree of Protection: IP68</p> <p>No. of Poles & Speed (Synchronous Speed) 6-pole, 1000/1200min⁻¹ (50/60Hz)</p> <p>Power Supply Voltages & Rated Currents</p> <table border="0"> <tr> <td>50Hz</td> <td>60Hz</td> </tr> <tr> <td>380V – 49.0A</td> <td>220V – 85.5A</td> </tr> <tr> <td>400V – 47.0A</td> <td>380V – 47.5A</td> </tr> <tr> <td>415V – 45.0A</td> <td>440V – 42.8A</td> </tr> </table> <p>Power Cable Standard Length: 10m 200 to 600V supply: 1 x 4 x 22mm², O.D. 31.6mm, Chloroprene rubber 1 x 2 x 1.25mm², O.D. 9.6mm, PVC</p> <p>Dry Weight (excluding cable) 685kg</p>		50Hz	60Hz	380V – 49.0A	220V – 85.5A	400V – 47.0A	380V – 47.5A	415V – 45.0A	440V – 42.8A	<p>Impeller Semi-open impeller made of high-chromium cast iron</p> <p>Solids Passage 50Hz – ϕ50mm 60Hz – ϕ50mm</p> <p>Suction Plate Made of high-chromium cast iron, excellent in abrasion-resistance</p> <p>Cable Entry with Anti-Wicking Block Watertight cable entry with strain-relief device. The anti-wicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.</p> <p>Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings</p> <p>Shaft 420 stainless steel</p> <p>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.</p> <p>Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC</p> <p>Oil Seal (Lip Seal) Used as a “Dust Seal”; it protects the mechanical seal from abrasive particles.</p> <p>OIL LIFTER 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.</p> <p>Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 5400ml</p> <p>Motor Protection Device A miniature thermal protector is embedded in each winding of the motor. Should excessive heat builds up, the bimetal strip opens to cause the control panel to shut the power supply.</p>	
50Hz	60Hz										
380V – 49.0A	220V – 85.5A										
400V – 47.0A	380V – 47.5A										
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SPECIFICATIONS	Model	GSZ5-37-6									
		GSZ-6-series 37kW, 3-phase									
<p>Type of Pump Submersible high power and high volume drainage pump for construction and foundation works, floodwater drainage, etc.</p> <p>Water Jacket Equipped with a water jacket, around the motor frame. A portion of the pumped liquid is allowed to flow into the water jacket to cool the motor.</p> <p>Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water</p> <p>Temperature: 0 to 40°C</p> <p>Discharge Bore & Connection 200mm, JIS 10kg/cm² Flange</p> <p>Motor Output 37kW</p> <p>Power Supply Three-phase</p> <p>Starting Method Star-Delta</p> <p>Motor Continuous-duty rated, dry-type induction motor</p> <p>Insulation Class: F Degree of Protection: IP68</p> <p>No. of Poles & Speed (Synchronous Speed) 6-pole, 1000/1200min⁻¹ (50/60Hz)</p> <p>Power Supply Voltages & Rated Currents</p> <table border="0"> <tr> <td>50Hz</td> <td>60Hz</td> </tr> <tr> <td>380V – 81A</td> <td>220V – 139A</td> </tr> <tr> <td>400V – 79A</td> <td>380V – 80A</td> </tr> <tr> <td>415V – 79A</td> <td>440V – 70A</td> </tr> </table> <p>Power Cable Standard Length: 10m 200 to 600V supply: 1 x 4 x 22mm², O.D. 31.6mm, Chloroprene rubber 1 x 3 x 22mm², O.D. 27.1mm, Chloroprene rubber 1 x 2 x 1.25mm², O.D. 9.6mm, PVC</p> <p>Dry Weight (excluding cable) 796kg</p>		50Hz	60Hz	380V – 81A	220V – 139A	400V – 79A	380V – 80A	415V – 79A	440V – 70A	<p>Impeller Semi-open impeller made of high-chromium cast iron</p> <p>Solids Passage 50Hz – ϕ50mm 60Hz – ϕ50mm</p> <p>Suction Plate Made of high-chromium cast iron, excellent in abrasion-resistance</p> <p>Cable Entry with Anti-Wicking Block Watertight cable entry with strain-relief device. The anti-wicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.</p> <p>Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings</p> <p>Shaft 420 stainless steel</p> <p>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.</p> <p>Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC</p> <p>Oil Seal (Lip Seal) Used as a “Dust Seal”; it protects the mechanical seal from abrasive particles.</p> <p>OIL LIFTER 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.</p> <p>Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 9200ml</p> <p>Motor Protection Device A miniature thermal protector is embedded in each winding of the motor. Should excessive heat builds up, the bimetal strip opens to cause the control panel to shut the power supply.</p>	
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380V – 81A	220V – 139A										
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TSURUMI MANUFACTURING CO., LTD.											

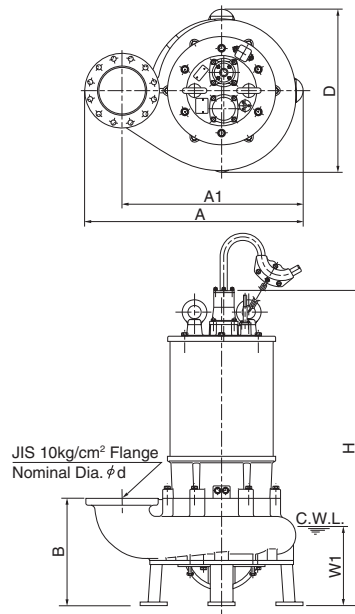
DIMENSIONS

Model

GSZ5-22-6 & GSZ5-37-6

GSZ-6-series

200mm



C. W. L. : Continuous Running Water Level

Unit: mm

Model	d	A	A1	B	D	H	W1
GSZ5-22-6	200	965	800	474	720	1360	350
GSZ5-37-6	200	1047	882	430	804	1421	370