



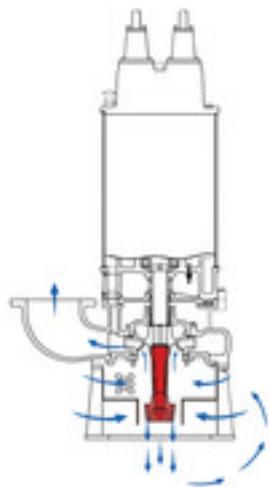
TSURUMI PUMP

GSD 3-phase
50Hz

Pump with agitator
- for professional use

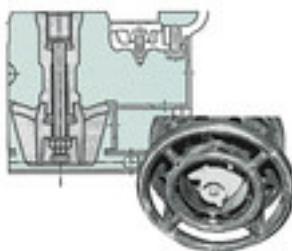
Heavy duty sand pump - a special steel impeller and suction plate have greatly increased the pump's life. The casing is designed to have wide passing area, thorough thickness and anti-abrasion material



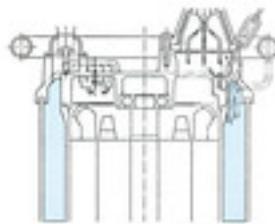


Forced agitation

The agitator installed on the motor shaft extension forcibly agitates the fluid for easy and efficient transmission of sludge and slurry.



A special-steel impeller and suction plate have greatly increased the pump's life. The casing is designed to have wide passing area, thorough thickness and antiabrasion material. 4-pole motor used to achieve a simple structure that demonstrates excellent durability and versatility. Spiral structure, marvelously facilitates the passage of sand, soil, sludge, or slime - without clogging.

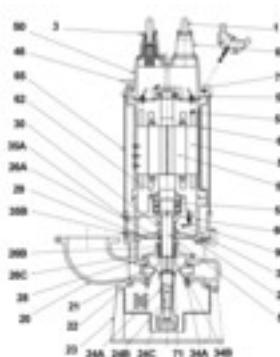


Water jacket

Inner and outer motor casing - flow-through-design - perfect cooling under dry-run-conditions

Components:

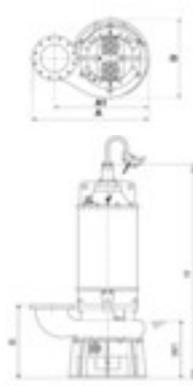
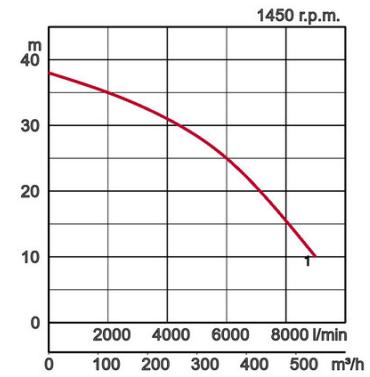
001	Cable
003	Gland
006	Cable entrance
020	Pump casing
021	Impeller
022	Suction plate
023	Strainer
024	Agitator
025	Mechanical seal
026A	Oil sealing
026B	Oil sealing
026C	Labyrinth ring
028	Middle plate
029	Oil casing
030	Oil lifter
034	Wear ring
035A	Oil plug
035B	Oil plug
036	Lubricant
046	Air valve
050	Motor cover
052A	Upper bearing
052B	Lower bearing
053	Motor protector
054	Shaft
055	Rotor
056	Stator
060	Bearing housing
062	Bearing cover
064	Motor casing
065	Jacket
071	Shaft sleeve
072	Eye bolt
090,	Leakage sensor



Specifications:

Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
GSD-55-4	1	250	55,0	123,0	38,0	9000	1215	25	20	20

ø Discharge bore mm		250mm	
Pumping Fluid		Sludge, Slurry, Liquids containing sandy mud and/or bentonite	
Temperature		0-40°C	
Pump	Components	Impeller	
		Open type impeller	
		Shaft Seal	
	Material	Bearings	
		Shielded ball bearings	
		Impeller	
		Chromium iron casting	
		Casing	
		Grey iron casting EN-GJL-200	
Motor	Type, Poles	Suction Plate	
		Chromium iron casting	
		Shaft Seal	
		Silicon carbide in oil bath	
	Motor Protector (built-in)	Miniature protector	
Motor	Insulation		
	Phase / Voltage		
	Lubrication		
	Type, Poles		
	Material	Induction motor, 4 poles, IP68	
Motor		Casing	
		Grey iron casting EN-GJL-150	
Motor	Shaft	Shaft	
		Stainless steel EN-X30Cr13	
	Cable	Rubber, NSSHÖU	
Discharge Connection		Hose coupling	



Dimensions in mm:

Model	A	A1	B	D	H	W1
GSD-55-4	1050	850	655	708	1927	510

W1: lowest running water level

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. In this regard, please pay attention to our website www.tsurumi.eu/english/applications.htm.



Contributing to World-wide Prosperity and Understanding through Worker- and Environment-friendly Production.

Designed for increased productivity through fully integrated streamlined production systems, Tsurumi's factory in Kyoto (Japan) features a production capacity of a full 1 million pumps per year. Large-scale modern R&D facilities offer optimum conditions for experimenting and testing of even super-large pumps and for developing new products to expand the possibilities and applications of pumps. To provide optimum conditions for our main asset, our workers, as well as for the environment, special emphasis is placed on optimized working conditions with airconditioning, minimized dust and exhaust gas emission, comprehensive recycling and waste recovery.

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We reserve the right to change specifications and designs herein for improvement without prior notice. Our pumps are for professional use only. In the event that Tsurumi (Europe) GmbH have, in exceptional cases taken over, a manufacturer's warranty, this entitles the enduser to assert remedy free of charge against Tsurumi (Europe) GmbH due to any defect to the product occurring during the guarantee period (see below), also then when the warranty claims against the seller do not or no longer exist. In the event of malfunction, which is attributable to the improper handling by the enduser, no guarantee claim shall arise. Further claims shall not result from the warranty, unless if something to the contrary has explicitly been determined. The decision as to whether remedy is effected by way of replacement or repair shall be at the choice of Tsurumi (Europe) GmbH. The claims shall be time barred after a period of three months after expiry of the guarantee period, however, not before expiry of the warranty period which is valid towards the seller. In the event of doubt, the warranty period shall correspond with the warranty period which is valid between the end-user and his seller.



con-GSD-DE