



TSURUMI PUMP

GPN 3-phase
50Hz

Pump with agitator
- for professional use

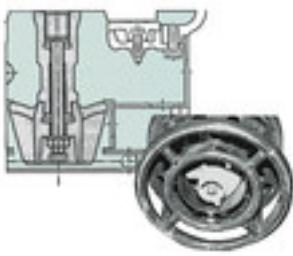
Heavy duty sand pump - a special steel impeller and suction plate have greatly increased the pump's life. The casing is designed to have wide passing area, thorough thickness and anti-abrasion material



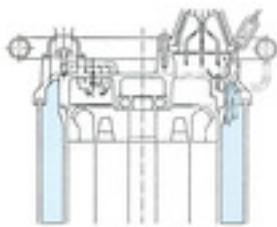


Forced agitation

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.

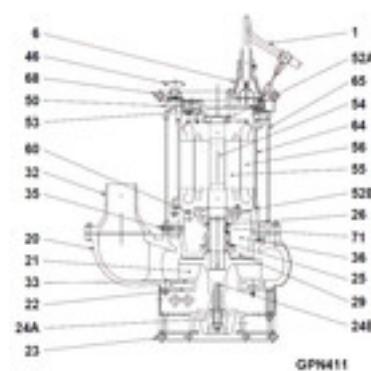


Water jacket

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

Components:

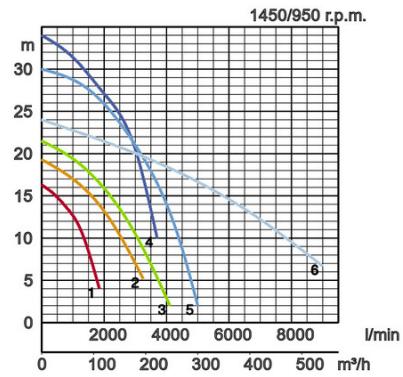
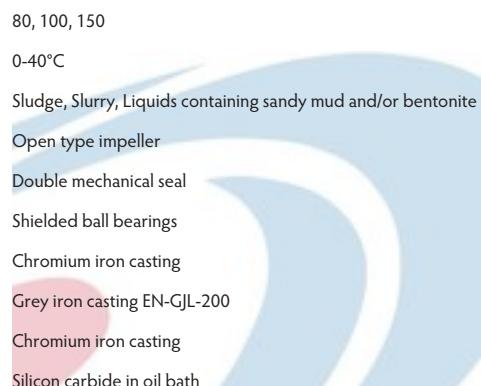
001	Cable
006	Cable entrance
020	Pump casing
021	Impeller
022	Suction plate
023	Strainer
024	Agitator
025	Mechanical seal
026	Oil sealing
029	Oil casing
032	Outlet
033	Suction plate
035	Oil plug
036	Lubricant
046	Air valve
050	Motor cover
052A	Upper bearing
052B	Lower bearing
053	Motor protector
054	Shaft
055	Rotor
056	Stator
060	Bearing housing
064	Motor casing
065	Jacket
068	Handle
071	Shaft sleeve



Specifications:

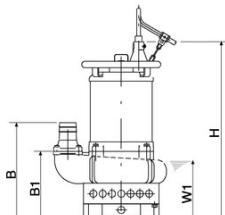
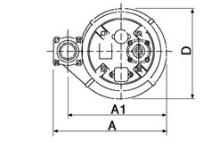
Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
GPN35.5	1	80	5,5	12,1	16,3	1900	145,0	30	20	20
GPN411	2	100	11,0	22,0	19,3	3250	217,0	30	20	20
GPN415	3	100	15,0	25,8	21,5	4110	220,0	30	20	20
GPN422	4	100	22,0	42,5	34,0	3700	415,0	30	20	20
GPN622	5	150	22,0	42,5	30,0	5000	415,0	30	30	20
GPN837	6	200	37,0	74,0	24,0	9000	815,0	30	30	20

ø Discharge bore mm	80, 100, 150
Pumping Fluid	Temperature
	0-40°C
	Type of Fluid
	Sludge, Slurry, Liquids containing sandy mud and/or bentonite
Pump	Components
	Impeller
	Double mechanical seal
	Bearings
	Shielded ball bearings
	Material
	Impeller
	Chromium iron casting
	Casing
	Grey iron casting EN-GJL-200
	Suction Plate
	Chromium iron casting
	Shaft Seal
	Silicon carbide in oil bath
Motor	Insulation
	Insulation class E, Insulation class B, Insulation class F
	Phase / Voltage
	3-phase / 400V / 50Hz / d.o.l., 3-phase / 400V / 50Hz / s.d.
	Type, Poles
	Induction motor, 4 poles, IP68, 6 poles
	Motor Protector (built-in)
	Circle thermal cut-out
	Lubrication
	Turbine oil (ISO VG32)
	Material
	Casing
	Grey iron casting EN-GJL-150
	Shaft
	Chromium-molybdenum steel (DIN 1.7220)
	Cable
	Rubber, NSSHÖU
Discharge Connection	Threaded flange/Hose coupling



Dimensions in mm:

Model	A	A1	B	B1	D	H	W1
GPN35.5	487	426	448	326	390	796	290
GPN411	617	517	500	347	450	879	315
GPN415	617	618	500	347	451	879	315
GPN422	725	625	528	335	573	1102	300
GPN622	725	625	528	335	572	1102	300
GPN837	1015	850	898	615	749	1606	560



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.



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