



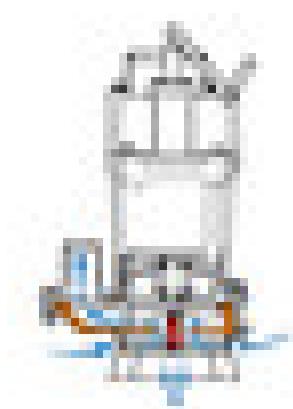
TSURUMI PUMP

HSD 1-phase
50Hz

Portable sand and slurry pump with agitator
- for professional use

The Tsurumi HSD-pump is a small and robust
submersible contractor's pump.





Forced agitation

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



Long life, low maintenance

No wear plate to replace. Impeller and agitator made of chromium iron casting, pump casing made of ductile iron casting.

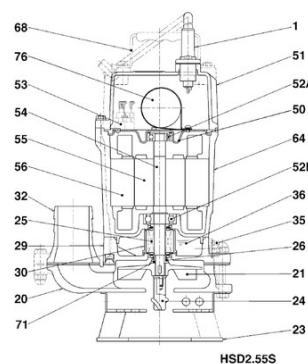


Tough casing

Withstands abrasion, provides long service, high throughput. Remove only three bolts for easy access to the impeller.

Components:

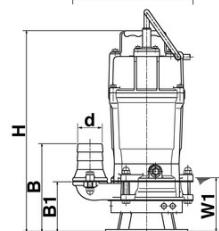
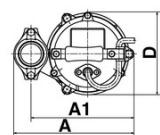
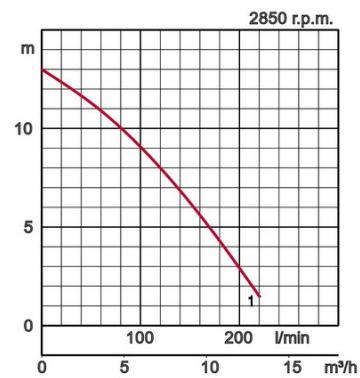
001	Cable
020	Pump casing
021	Impeller
023	Strainer
024	Agitator
025	Mechanical seal
026	Oil sealing
029	Oil casing
030	Oil lifter
032.	Outlet
035	Oil plug
036	Lubricant
050	Motor cover
051	Head cover
052A	Upper bearing
052B	Lower bearing
053	Motor protector
054	Shaft
055	Rotor
056	Stator
064	Motor casing
068	Handle
071	Shaft sleeve
076	Condensor



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
HSD2.55S	1	50	0,55	3,4	13,2	220	14,0	10	10	10

ø Discharge bore mm		50	
Pumping Fluid		Sand carrying water, Sludge, Bentonite	
Temperature		0-40°C	
Pump	Components	Impeller	
		Semi-Vortex impeller	
		Shaft Seal	
	Material	Bearings	
		Impeller	
		Chromium iron casting	
Motor	Components	Casing	
		Ductile iron casting EN-GJS-700-2	
		Shaft Seal	
	Material	Induction motor, 2 poles, IP68	
		Lubrication	
		Turbine oil (ISO VG32)	
Motor Protector (built-in)		Miniature protector	
Insulation		Insulation class E	
Phase / Voltage		Single phase 230V / 110V / 50Hz	
Casing	Material	Casing	
		Aluminium die casting	
		Shaft	
Shaft	Material	Stainless steel EN-X6Cr13	
		Cable	
		Rubber, H07RN-F	
Discharge Connection		Threaded flange/Hose coupling	



Dimensions in mm:

Model	d	A	A1	B	B1	D	H	W1
HSD2.55S	50	241	200	171	97	186	421	105

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-HSD-EN