



# KRSU <sup>3-phase</sup> 50Hz

Manhole pump.  
For professional use.

The slim design accompanied by a central discharge makes the KRSU series ideal for bypass applications within sewer refurbishments.



## Top Discharge



Pumped water cools the motor and discharges as illustrated. The motor can be cooled even when pumping a small amount of water. The top discharge arrangement allows access into areas with space limitations.

## Vortex Impeller



A special impeller with a high wall blade design ensures clog free applications with a free passage of up to 56mm.

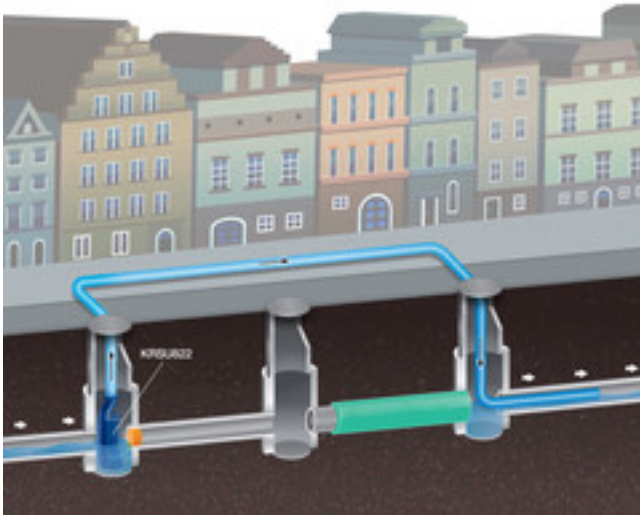
## Optimized design for manholes



With a diameter of 547mm the pump can be utilized in almost every manhole. The centralized discharge and an optimized balance point ensure that the pump is always in the upright position

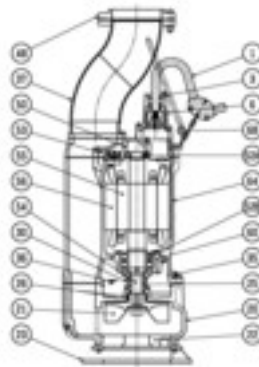


Reference for usage is channel refurbishment for example



## Components:

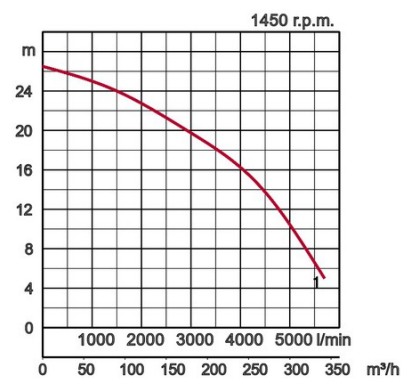
- |                     |                     |
|---------------------|---------------------|
| 001 Cable           | 037 Discharge bend  |
| 003 Gland           | 048 Threaded flange |
| 006 Cable entrance  | 050 Motor cover     |
| 020 Pump casing     | 052A Upper bearing  |
| 021 Impeller        | 052B Lower bearing  |
| 022 Suction plate   | 053 Motor protector |
| 023 Strainer        | 054 Shaft           |
| 025 Mechanical seal | 055 Rotor           |
| 026 Oil sealing     | 056 Stator          |
| 030 Oil lifter      | 060 Bearing housing |
| 035 Oil plug        | 064 Motor casing    |
| 036 Lubricant       | 068 Handle          |



## Specifications:

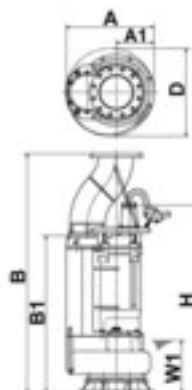
Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
KRSU822	1	200	22,0	44,6	26,5	5700	417,0	56	20	20

ø Discharge bore mm		200	
Pumping Fluid	Type of Fluid	Grey water, slightly polluted water, sewage water	
	Temperature	0-40°C	
Pump	Components	Impeller	Vortex impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Grey iron casting EN-GJL-200
		Casing	Grey iron casting EN-GJL-200
Shaft Seal	Silicon carbide in oil bath		
Motor	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.
	Lubrication		Turbine oil (ISO VG32)
	Type, Poles		Induction motor, 4 poles, IP68
	Motor Protector (built-in)		Circle thermal cut-out
	Insulation		Insulation class F
	Material	Casing	Grey iron casting EN-GJL-200
		Shaft	Stainless steel EN-X30Cr13
Cable		Rubber, NSSHÖU	
Discharge Connection		Hose coupling	



## Dimensions in mm:

Model	A	A1	B	B1	D	H	W1
KRSU822	546	235	1486	977	547	1167	325



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](http://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.

## Tsurumi (Europe) GmbH

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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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