



TSURUMI PUMP

KRS 3-phase
50Hz

Heavy-duty drainage pumps
- for professional use

4-pole Motor 1450 r.p.m. - excellent durability
and versatility





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.



Rugged

4-pole motor used to achieve a simple structure that demonstrates excellent durability and versatility. By offering a cast iron pump body durability is increased over standard aluminium body pumps.

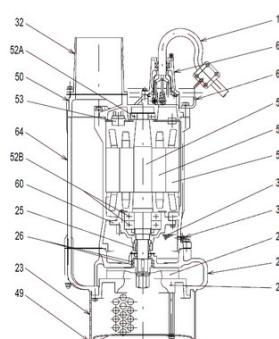
Rugged

KRS-series, cast iron pumps with 4-pole motor, represent Tsurumi's multipurpose pumps for their simple construction, superb durability, and high efficiency. Tsurumi's years of expertise and innovative techniques are fully utilized in every component of these pumps which have won users' unparalleled credit and admiration.



Components:

001	Cable
006	Cable entrance
020	Pump casing
021	Impeller
022	Suction plate
023	Strainer
025	Mechanical seal
026	Oil sealing
032	Hose coupling
035	Oil plug
036	Lubricant
049	Bottom plate
050	Motor cover
052A	Upper bearing
052B	Lower bearing
053	Motor protector
054	Shaft
055	Rotor
056	Stator
060	Bearing housing
064	Motor casing
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
KRS-43	1	100	3,0	6,5	14,8	1820	95,0	12	15	20
KRS-63	2	150	3,0	6,5	8,0	3250	97,0	15	15	20
KRS-65.5	3	150	5,5	12,1	17,0	3180	118,0	20	15	20
KRS-85.5	4	200	5,5	12,1	10,0	4850	118,0	20	15	20
KRS2-69	5	150	9,0	19,0	21,0	4250	155,0	20	15	20
KRS2-89	6	200	9,0	19,0	15,0	5300	175,0	30	15	20
KRS815	7	200	15,0	31,9	21,5	6400	240,0	25	20	20
KRS822	8	200	22,0	44,6	34,8	5300	380,0	25	20	20
KRS822L	9	200	22,0	44,6	26,0	5900	390,0	25	20	20
KRS1022	10	250	22,0	45,7	12,1	12000	390,0	25	20	20



ø Discharge bore mm

100, 150, 200, 250

Pumping Fluid

0-40°C

Type of Fluid

Spring water, Rain water, Ground water, Sand carrying water

Pump

Components

Impeller

Semi-open type impeller, Closed type impeller

Shaft Seal

Double mechanical seal

Bearings

Shielded ball bearings

Material

Impeller

Ductile iron casting EN-GJS-700-2

Casing

Grey iron casting EN-GJL-200

Suction Plate

Grey iron casting EN-GJL-200

Shaft Seal

Silicon carbide in oil bath

Motor

Phase / Voltage

3-phase / 400V / 50Hz / d.o.l.

Insulation

Insulation class E, Insulation class F, Insulation class B

Motor Protector (built-in)

Circle thermal cut-out

Lubrication

Turbine oil (ISO VG32)

Type, Poles

Induction motor, 4 poles, IP68

Material

Casing

Grey iron casting EN-GJL-150, Grey iron casting EN-GJL-200

Shaft

Stainless steel EN-X30Cr13

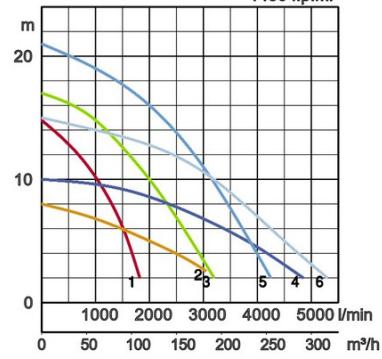
Cable

Rubber, NSSHÖU

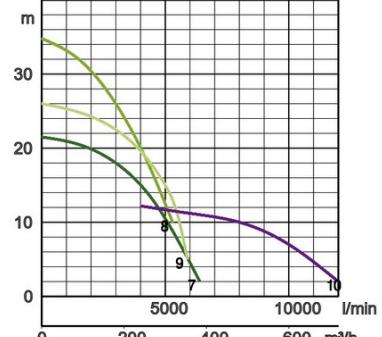
Discharge Connection

Threaded flange, Hose coupling

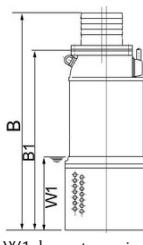
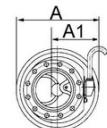
1450 r.p.m.



1450 r.p.m.



KRS1022



W1: lowest running water level

KRS-43

KRS-63

KRS-65.5

KRS-85.5

KRS2-69

KRS2-89

KRS815

KRS822

KRS822L

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.

Tsurumi (Europe) GmbH

Wahlerstr. 10
D-40472 Düsseldorf
Tel.: +49 (0)211-4179373
Fax: +49 (0)211-417937-480
Email: sales@tsurumi.eu
www.tsurumi.eu

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.

