



TSURUMI PUMP

100BP 3-phase 50Hz

BP-series 100mm discharge,
wet-well and dry-well installation, hydraulically
highly efficient channel impeller and IE3 premium
efficiency motor, moisture sensor

Sewage pump for municipal and industrial
sewage water. The pumps are as a standard
equipped with a moisture sensor and a cooling
jacket and thus can constructively be installed
dry- and wet-well mounted. Option for
explosion-proof version available.





Closed single-channel impeller

The channel impeller prevents clogging by solid-matters and fibrous components in the medium.

Optional Accessories:

- duck-foot for guide rails:
 - guide support
 - duck foot
- Bend
- Stand set for free-standing version



Available options

- Explosion proof version
- Oil sensor
- Motor versions up to 2.9 kW in d.o.l., 3.7kW-motor either in d.o.l.- or star-delta-start, from 5 kW on only start-delta-start
- All pumps can be operated with soft-starter and frequency-converter

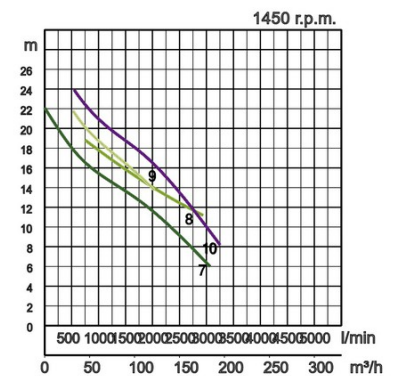
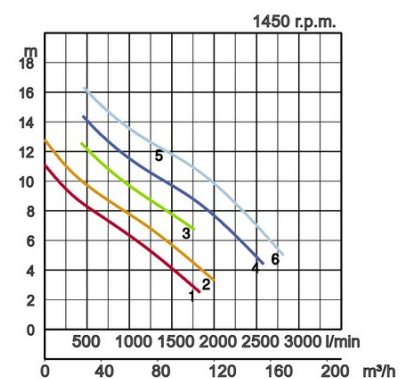


Specifications:

Model		Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm
free standing	with guide rail fitting									free standing	with guide rail fitting	
100BPM42.9LL	TOS100BPM42.9LL	1	100	2,9	3	1450	11,1	1833	direct	130,0	130,0	80
100BPM42.9L	TOS100BPM42.9L	2	100	2,9	3	1450	12,8	2000	direct	130,0	130,0	80
100BPM42.9	TOS100BPM42.9	3	100	2,9	3	1450	12,4	1767	direct	135,0	135,0	80
100BPM43.7	TOS100BPM43.7	4	100	3,7	3	1450	14,4	2583	star/delta	135,0	135,0	80
100BPM43.7H	TOS100BPM43.7H	5	100	3,7	3	1450	16,1	1444	star/delta	135,0	135,0	80
100BPM45.0	TOS100BPM45.0	6	100	5,0	3	1450	16,1	2817	star/delta	135,0	135,0	80
100BPM46.5	TOS100BPM46.5	7	100	6,5	3	1450	22,1	3067	star/delta	153,0	153,0	80
150BPM48.5	TOS150BPM48.5	8	150	8,5	3	1450	18,3	2935	star/delta	202,0	202,0	100
100BPM46.5H	TOS100BPM46.5H	9	100	6,5	3	1450	21,1	2033	star/delta	168,0	168,0	80
100BPM48.5	TOS100BPM48.5	10	100	8,5	3	1450	23,9	3250	star/delta	168,0	168,0	80

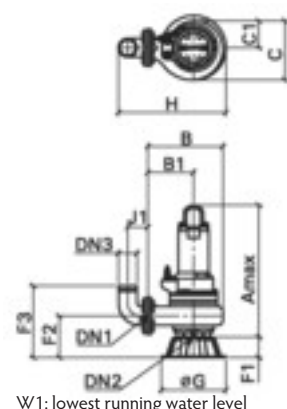
3.7 kW version available in d.o.l. or star-delta

ø Discharge bore mm			100mm, 150mm
Pumping Fluid	Temperature		0-40°C
	Type of Fluid		Municipal sewage
Pump	Compo- nents	Impeller	Single channel impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Grey iron casting EN-GJL-250
		Casing	Grey iron casting EN-GJL-250
		Shaft Seal	SiC, upper in oil bath
		Wearing	Bronze
Motor	Lubrication		Turbine oil (ISO VG32)
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l., 3-phase / 400V / 50Hz / s.d.
	Motor Protector (built-in)		Miniature protector
	Insulation		Insulation class H
	Type, Poles		Induction motor, 4 poles, IP68
	Material	Casing	Grey iron casting EN-GJL-250
		Shaft	Stainless steel EN-X14Cr-Mo-S17
Cable		Rubber, 10m H07RN8-F	
Discharge Connection			Flange DIN/ANSI DN100 (PN10), Flange DIN/ANSI DN150 (PN10)
Optional Accessories			Guide rail fitting "TOS" (guide support, duck foot bend, lifting chain) / Bend and stand set for free standing types



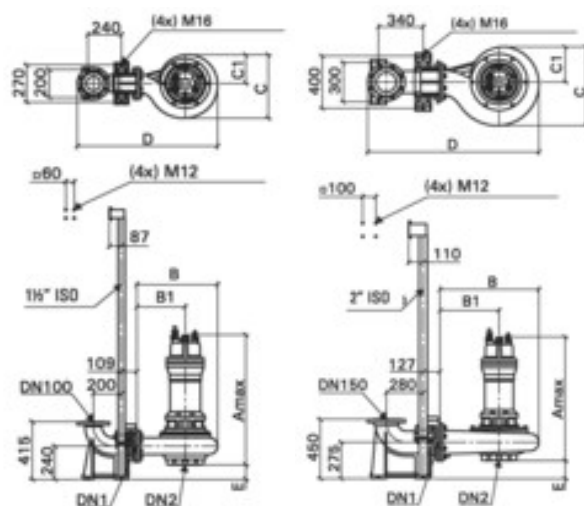
Dimensions in mm:

Model	A	B	B1	C	C1	DN1	DN2	DN3	F1	F2	F3	G	H	J1
100BPM42.9LL	714	360	200	315	155	100	100	4"	125	218	403	395	577	122
100BPM42.9L	714	360	200	315	155	100	100	4"	125	218	403	395	577	122
100BPM42.9	720	460	280	357	163	100	100	4"	125	225	410	395	656	122
100BPM43.7	720	460	280	357	163	100	100	4"	125	225	410	395	656	122
100BPM43.7H	720	460	280	357	163	100	100	4"	125	225	410	395	656	122
100BPM45.0	720	460	280	357	163	100	100	4"	125	225	410	395	656	122
100BPM46.5	790	460	280	357	163	100	100	4"	125	225	410	395	656	122
150BPM48.5	861	610	370	467	209	150	150	6"	125	262	548	450	967	273
100BPM46.5H	803	488	300	381	178	100	100	4"	125	220	405	395	677	122
100BPM48.5	803	488	300	381	178	100	100	4"	125	220	405	395	677	122



Dimensions - guide rail fitting type in mm:

Model	A	B	B1	C	C1	D	DN1	DN2	E
100BPM42.9LL	714	360	200	315	155	784	100	100	147
100BPM42.9L	714	360	200	315	155	784	100	100	147
100BPM42.9	720	460	280	357	163	884	100	100	140
100BPM43.7	720	460	280	357	163	884	100	100	140
100BPM43.7H	720	460	280	357	163	884	100	100	140
100BPM45.0	720	460	280	357	163	884	100	100	140
100BPM46.5	790	460	280	357	163	884	100	100	140
150BPM48.5	861	610	370	467	209	1160	150	150	138
100BPM46.5H	803	488	300	381	178	912	100	100	145
100BPM48.5	803	488	300	381	178	912	100	100	145



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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.

sew-BP_100mm-EN

