



TSURUMI PUMP

100BYZK^{3-phase}_{50Hz}

BYZK-Series 100mm discharge, dry installation
Sewage pump with closed
single-channel-impeller

A closed single-channel impeller ensures, that sewage water containing sludge and fibrous substances can be pumped efficiently without clogging.





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
- Optionally available with guide-rail-installation kit.



Available options

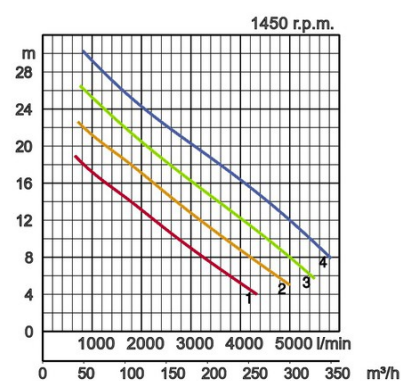
- Explosion proof version
- Oil sensor
- All pumps can be operated with soft-starter and frequency-converter



Specifications:

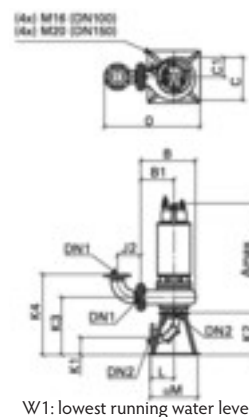
Model	Colour code curve		Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable	Impeller passage mm
100BYZMK412.2L		1	100	12,2	3	1450	18,9	4333	star/delta	219,0	100
100BYZMK412.2		2	100	12,2	3	1450	22,5	5000	star/delta	219,0	100
100BYZMK414.6		3	100	14,6	3	1450	25,6	5500	star/delta	219,0	100
100BYZMK419.3		4	100	19,3	3	1450	29,1	5833	star/delta	244,0	100

ø Discharge bore mm			100mm
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
		Wearring	Bronze
Motor	Type, Poles		Induction motor, 4 poles, IP68
	Phase / Voltage		3-phase / 400V / 50Hz / s.d.
	Motor Protector (built-in)		Miniature protector
	Insulation		Insulation class H
	Lubrication		Turbine oil (ISO VG32)
	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)
Optional Accessories			Horizontal installation / Vertical installation



Dimensions - vertical installation mm::

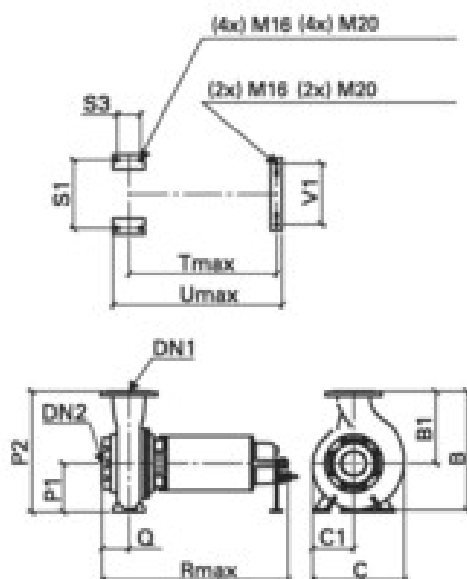
Model	A	B	B1	C	C1	DN1	DN2	J2	K1	K2	K3	K4	L	M	O
100BYZMK412.2L878	781	541	457	207	100	150	197	205	502	622	817	283	520	942	
100BYZMK412.2 878	781	541	457	207	100	150	197	205	502	622	817	283	520	942	
100BYZMK414.6 878	781	541	457	207	100	150	197	205	502	622	817	283	520	942	
100BYZMK419.3 968	781	541	457	207	100	150	197	205	502	622	817	283	520	942	



Dimensions - horizontal installation mm::

Model	B	B1	C	C1	DN1	DN2	P1	P2	Q	R	S1	S3	T	U	V1
100BYZMK412.2L	605	345	457	207	100	150	260	605	130	890	380	115	706	816	310
100BYZMK412.2	605	345	457	207	100	150	260	605	130	890	380	115	706	816	310
100BYZMK414.6	605	345	457	207	100	150	260	605	130	890	380	115	706	816	310
100BYZMK419.3	605	345	457	207	100	150	260	605	130	980	380	115	796	906	310

Horizontal installation



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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-BYZ_K_100mm-EN

