



TSURUMI PUMP

150BYK 3-phase 50Hz

BYK-Series 150mm 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

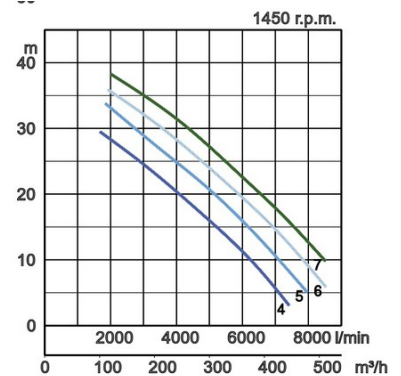
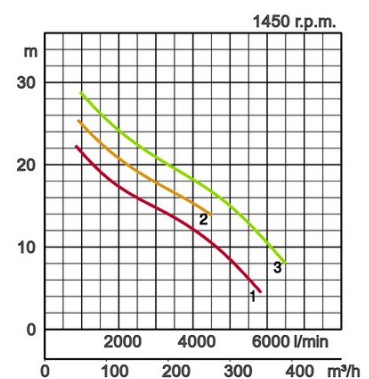
- Explosion proof version
- Oil sensor
- All pumps can be operated with soft-starter and frequency-converter



Specifications:

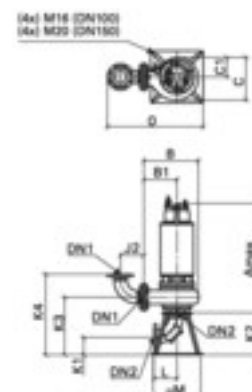
Model	Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable	Impeller passage mm
150BYMK412.2	1	150	12,2	3	1450	22,2	5833	star/delta	237,0	100
150BYMK414.6	2	150	14,6	3	1450	25,1	4504	star/delta	237,0	100
150BYMK419.3	3	150	19,3	3	1450	27,8	6500	star/delta	262,0	100
150BYMK422	4	150	22	3	1450	29,5	7417	star/delta	409,0	100
150BYMK425.6	5	150	25,6	3	1450	33,8	7967	star/delta	436,0	100
150BYMK429.2	6	150	29,2	3	1450	35,9	8533	star/delta	436,0	100
150BYMK433	7	150	33	3	1450	38,3	8520	star/delta	456,0	100

ø Discharge bore mm			150mm
Pumping Fluid	Type of Fluid		Municipal sewage
	Temperature		0-40°C
Pump	Components	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.
	Insulation		Insulation class H
	Motor Protector (built-in)		Miniature protector
	Lubrication		Turbine oil (ISO VG32)
	Material	Casing	Grey iron casting EN-GJL-250
		Shaft	Stainless steel EN-X20Cr13, Stainless steel EN-X14Cr-Mo-S17
		Cable	Rubber, 10m H07RN8-F
Discharge Connection			Flange DIN/ANSI DN150 (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
150BYMK412.2895	610	370	467	209	150	150	273	205	502	637	908	283	520	1076	
150BYMK414.6895	610	370	467	209	150	150	273	205	502	637	908	283	520	1076	
150BYMK419.3985	610	370	467	209	150	150	273	205	502	637	908	283	520	1076	
150BYMK422	1201	690	420	547	241	150	273	200	502	640	911	283	560	1161	
150BYMK425.61326	730	420	547	241	150	150	273	200	502	640	911	283	560	1161	
150BYMK429.21326	730	420	547	241	150	150	273	200	502	640	911	283	560	1161	
150BYMK433	1326	730	420	547	241	150	273	200	502	640	911	283	560	1161	

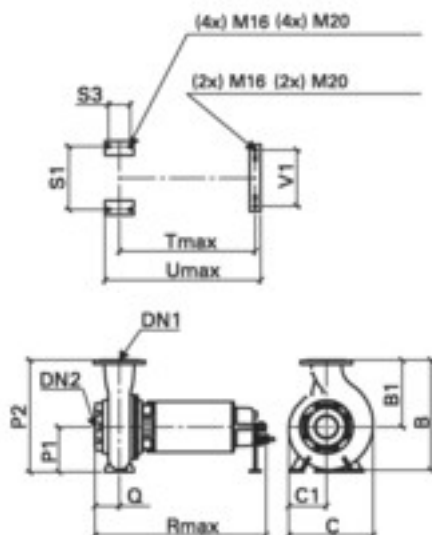


W1: lowest running water level

Dimensions - horizontal installation mm::

Model	B	B1	C	C1	DN1	DN2	P1	P2	Q	R	S1	S3	T	U	V1
150BYMK412.2	630	370	467	209	150	150	260	630	137	907	350	130	723	833	310
150BYMK414.6	630	370	467	209	150	150	260	630	137	907	350	130	723	833	310
150BYMK419.3	630	370	467	209	150	150	260	630	137	997	350	130	813	923	310
150BYMK422	730	420	547	241	150	150	310	730	138	1213	350	90	998	1098	360
150BYMK425.6	730	420	547	241	150	150	310	730	138	1338	350	90	1123	1223	360
150BYMK429.2	730	420	547	241	150	150	310	730	138	1338	350	90	1123	1223	360
150BYMK433	730	420	547	241	150	150	310	730	138	1338	350	90	1123	1223	360

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-BY_K_150mm-EN

