



TSURUMI PUMP

200BY 3-phase 50Hz

BY-Series 200mm discharge, wet installation
Sewage pump with closed
double-channel-impeller

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





Closed double-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

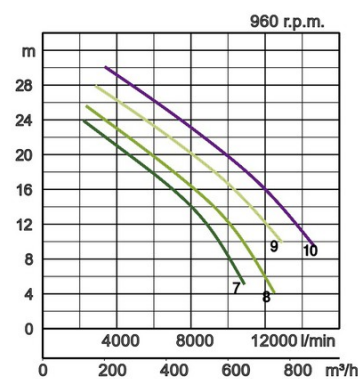
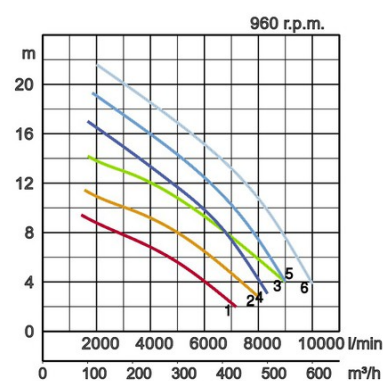
- Explosion proof version
- Oil sensor
- Motor versions up to 2.9 kW in d.o.l., 3.7kW-motor either in d.o.l.- or star-delta-start, from 5 kW on only start-delta-start
- All pumps can be operated with soft-starter and frequency-converter



Specifications:

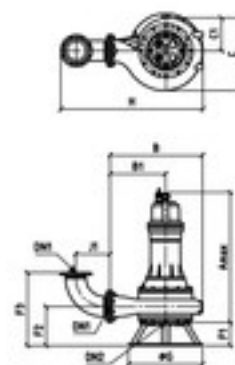
Model		Colour code curve		Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm
free standing	with guide rail fitting										free standing	with guide rail fitting	
200BYM67.3	TOS200BYM67.3		1	200	7,3	3	960	9,4	7167	star/delta	361,1	308,0	100
200BYM610	TOS200BYM610		2	200	10	3	960	11,5	8000	star/delta	380,1	327,8	100
200BYM613.6	TOS200BYM613.6		3	200	13,6	3	960	14,2	9000	star/delta	391,8	339,5	100
200BYM616.8	TOS200BYM616.8		4	200	16,8	3	960	17,0	8333	star/delta	559,9	485,8	100
200BYM619.5	TOS200BYM619.5		5	200	19,5	3	960	19,3	9000	star/delta	574,9	500,9	100
200BYM622.6	TOS200BYM622.6		6	200	22,6	3	960	21,6	10000	star/delta	600,6	526,6	100
200BYM625.8	TOS200BYM625.8		7	200	25,8	3	960	23,9	10883	star/delta	605,5	531,5	100
200BYM633.2	TOS200BYM633.2		8	200	33,2	3	960	25,6	12500	star/delta	744,8	670,8	100
200BYM640.5	TOS200BYM640.5		9	200	40,5	3	960	27,9	12917	star/delta	961,7	909,4	100
200BYM649.5	TOS200BYM649.5		10	200	49,5	3	960	30,1	14667	star/delta	984,3	932,0	100

ø Discharge bore mm			200mm
Pumping Fluid	Temperature		0-40°C
	Type of Fluid		Municipal sewage
Pump	Compo- nents	Impeller	Dual 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	Type, Poles		Induction motor, 6 poles, IP68
	Lubrication		Turbine oil (ISO VG32)
	Phase / Voltage		3-phase / 400V / 50Hz / s.d.
	Motor Protector (built-in)		Miniature protector
	Insulation		Insulation class H
	Material	Casing	Grey iron casting EN-GJL-250
		Shaft	Stainless steel EN-X14Cr-Mo-S17, Stainless steel EN-X20Cr13
		Cable	Rubber, 10m H07RN8-F
Discharge Connection			Flange DIN/ANSI DN200 (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:

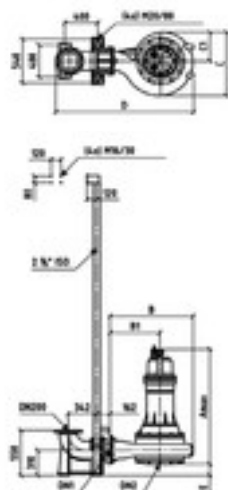
Model	A	B	B1	C	C1	DN1	DN2	DN3	F1	F2	F3	G	H	J1
200BYM67.3	990	740	450	547	241	200	250	200	250	414	781	800	1389	369
200BYM610	1050	740	450	547	241	200	250	200	250	414	781	800	1389	369
200BYM613.6	1140	740	450	547	241	200	250	200	250	414	781	800	1389	369
200BYM616.8	1208	878	550	650	291	200	200	200	250	400	767	600	1417	369
200BYM619.5	1333	878	550	650	291	200	200	200	250	400	767	600	1417	369
200BYM622.6	1333	878	550	650	291	200	200	200	250	400	767	600	1417	369
200BYM625.8	1333	878	550	650	291	200	200	200	250	400	767	600	1417	369
200BYM633.2	1338	878	550	650	291	200	200	200	250	400	767	600	1417	369
200BYM640.5	1405	1000	600	779	353	200	250	200	250	422	789	800	1539	369
200BYM649.5	1535	1000	600	779	353	200	250	200	250	422	789	800	1539	369



W1: lowest running water level

Dimensions - guide rail fitting type in mm:

Model	A	B	B1	DN1	DN2	E
200BYM67.3	990	740	450	200	250	145
200BYM610	1050	740	450	200	250	145
200BYM613.6	1140	740	450	200	250	145
200BYM616.8	1208	878	550	200	200	160
200BYM619.5	1333	878	550	200	200	160
200BYM622.6	1333	878	550	200	200	160
200BYM625.8	1333	878	550	200	200	160
200BYM633.2	1338	878	550	200	200	160
200BYM640.5	1405	1000	600	200	250	138
200BYM649.5	1535	1000	600	200	250	138



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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_200mm-EN

