



TSURUMI PUMP

300BY 3-phase
50Hz

BY-Series 300mm 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

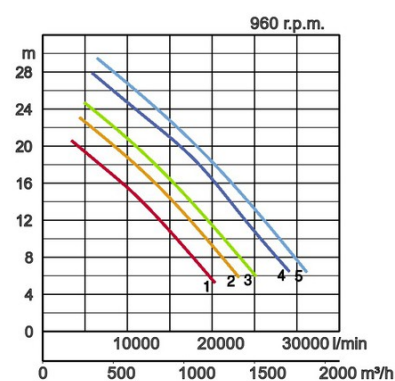
- Explosion proof version (available up to 40,5kW)
- Oil sensor
- All pumps can be operated with soft-starter and frequency-converter



Specifications:

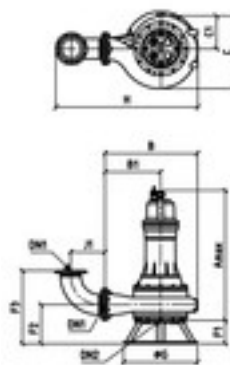
Model		Colour code curve		Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm
free standing	with guide rail fitting										free standing	with guide rail fitting	
300BYM640.5	TOS300BYM640.5		1	300	40,5	3	960	20,6	20333	star/delta	1000,3	1000,3	150
300BYM649.5	TOS300BYM649.5		2	300	49,5	3	960	23,1	23167	star/delta	1022,9	1022,9	150
300BYM658	TOS300BYM658		3	300	58	3	960	24,7	25166	star/delta	1069,4	1069,4	150
300BYM668.5	TOS300BYM668.5		4	300	68,5	3	960	27,9	29117	star/delta	1279,3	1279,3	150
300BYM682	TOS300BYM682		5	300	82	3	960	29,5	31166	star/delta	1329,8	1329,8	150

ø Discharge bore mm			300mm
Pumping Fluid	Type of Fluid		Municipal sewage
	Temperature		0-40°C
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	Lubrication		Turbine oil (ISO VG32)
	Insulation		Insulation class H
	Motor Protector (built-in)		Miniature protector
	Phase / Voltage		3-phase / 400V / 50Hz / s.d.
	Type, Poles		Induction motor, 6 poles, IP68
	Material	Casing	Grey iron casting EN-GJL-250
		Shaft	Stainless steel EN-X20Cr13
		Cable	Rubber, 10m H07RN8-F
Discharge Connection			Flange DIN/ANSI DN300 (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:

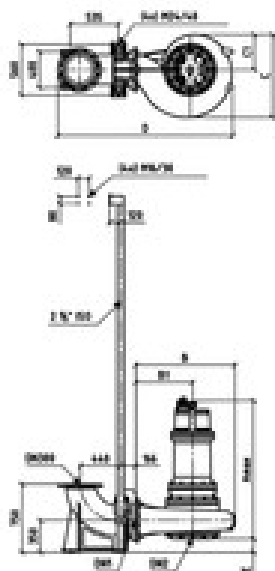
Model	A	B	B1	C	C1	DN1	DN2	DN3	F1	F2	F3	G	H	J1
300BYM640.5	1463	1100	630	915	386	300	350	300	300	505	1030	1000	1880	527
300BYM649.5	1593	1100	630	915	386	300	350	300	300	505	1030	1000	1880	527
300BYM658	1593	1100	630	915	386	300	350	300	300	505	1030	1000	1880	527
300BYM668.5	1773	1100	630	915	386	300	350	300	300	505	1030	1000	1880	527
300BYM682	1773	1100	630	915	386	300	350	300	300	505	1030	1000	1880	527



W1: lowest running water level

Dimensions - guide rail fitting type in mm:

Model	A	B	B1	C	C1	D	DN1	DN2	E
300BYM640.5	1463	1100	630	915	386	1946	300	350	145
300BYM649.5	1593	1100	630	915	386	1946	300	350	145
300BYM658	1593	1100	630	915	386	1946	300	350	145
300BYM668.5	1773	1100	630	915	386	1946	300	350	145
300BYM682	1773	1100	630	915	386	1946	300	350	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-BY_300mm-EN

