



TSURUMI PUMP

300BYK 3-phase 50Hz

BYK-Series 300mm discharge, dry 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
- Optionally available with guide-rail-installation kit.



Available options

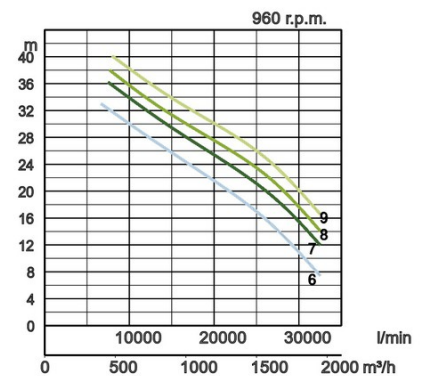
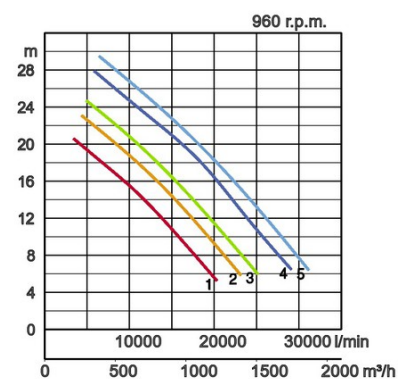
- Explosion proof version (available up to 40,5kW)
- Oil sensor
- All pumps can be operated with soft-starter and frequency-converter



Specifications:

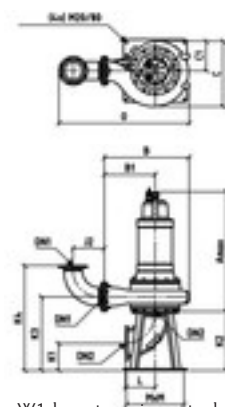
Model	Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable	Impeller passage mm
300BYMK640.5	1	300	40,5	3	960	20,6	20333	star/delta	1007,3	150
300BYMK649.5	2	300	49,5	3	960	23,1	23167	star/delta	1033,3	150
300BYMK658	3	300	58	3	960	24,7	25166	star/delta	1082,4	150
300BYMK668.5	4	300	68,5	3	960	27,9	29117	star/delta	1269,9	150
300BYMK682	5	300	82	3	960	29,5	31166	star/delta	1320,2	150
300BYMK698	6	300	98	3	960	33,0	32508	star/delta	1553,1	150
300BYMK6112	7	300	112	3	960	36,2	32500	star/delta	1604,5	150
300BYMK6132	8	300	132	3	960	38,0	32500	star/delta	1940,0	150
300BYMK6160	9	300	160	3	960	40,1	32500	star/delta	1980,0	150

Discharge bore mm			300mm
Pumping Fluid	Type of Fluid		Municipal sewage
	Temperature		0-40°C
Pump	Components	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)
	Phase / Voltage		3-phase / 400V / 50Hz / s.d.
	Motor Protector (built-in)		Miniature protector
	Insulation		Insulation class H
	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			Horizontal installation / Vertical installation



Dimensions - vertical installation mm::

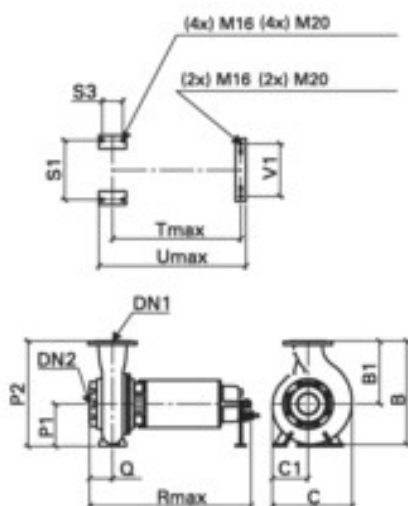
Model	A	B	B1	C	C1	DN1	DN2	J2	K1	K2	K3	K4	L	M	O
300BYMK640.51463	1100	630	915	386	300	350	527	377	1002	1207	1732	602	900	1880	
300BYMK649.51593	1100	630	915	386	300	350	527	377	1002	1207	1732	602	900	1880	
300BYMK658 1593	1100	630	915	386	300	350	527	377	1002	1207	1732	602	900	1880	
300BYMK668.51773	1100	630	915	387	300	350	527	377	1002	1207	1732	602	900	1880	
300BYMK682 1773	1100	630	915	387	300	350	527	377	1002	1207	1732	602	900	1880	
300BYMK698 1773	1220	700	1022	443	300	350	527	377	1007	1212	1737	602	-	1970	
300BYMK61121773	1220	700	1022	443	300	350	527	377	1007	1212	1737	602	-	1970	
300BYMK61322090	1220	700	1022	443	300	350	527	377	1007	1212	1737	602	-	1970	
300BYMK61602090	1220	700	1022	443	300	350	527	377	1007	1212	1737	602	-	1970	



Dimensions - horizontal installation mm::

Model	B	B1	C	C1	DN1	DN2	P1	P2	Q	R	S1	S3	T	U	V1
300BYMK640.5	1100	630	915	386	300	350	500	1130	205	1478	500	120	1176	1286	410
300BYMK649.5	1100	630	915	386	300	350	500	1130	205	1608	500	120	1306	1416	410
300BYMK658	1100	630	915	386	300	350	500	1130	205	1608	500	120	1306	1416	410
300BYMK668.5	1100	630	915	387	300	350	500	1130	205	1788	500	120	1486	1596	508
300BYMK682	1100	630	915	387	300	350	500	1130	205	1788	500	120	1486	1596	508
300BYMK698	1220	700	1022	443	300	350	550	1250	205	1788	600	120	1486	1596	508
300BYMK6112	1220	700	1022	443	300	350	550	1250	205	1788	600	120	1486	1596	508
300BYMK6132	1220	700	1022	443	300	350	550	1250	205	2100	600	120	1754	1884	740
300BYMK6160	1220	700	1022	443	300	350	550	1250	205	2100	600	120	1754	1884	740

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_300mm-EN

