



TSURUMI PUMP

150UYK 3-phase 50Hz

UYK-series 150mm discharge, dry installation
Sewagepump with Vortex-impeller

The UYK-series is equipped with a vortex-impeller and a wide pump-casing. This construction prevents clogging by big or fibrous impurities.





Vortex Impeller

This impeller is used mainly to avoid clogging or wear by large or stringy solids in the water. It accelerates part of the water to great speed, and this speed is used to smoothly move all the water from inlet to outlet.

Optional Accessories:

- duck-foot for guide rails:
 - guide support
 - duck foot
- Bend
- Stand set for free-standing version



Available options

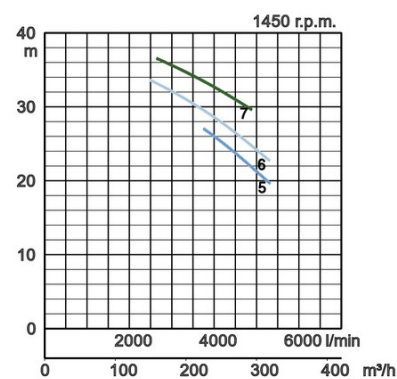
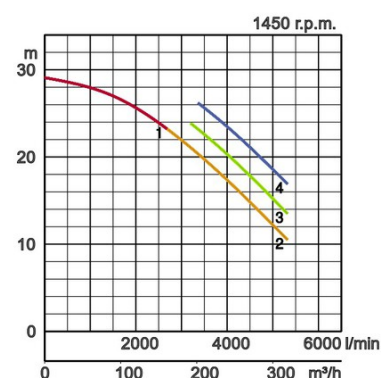
- Explosion proof version
- Oil sensor
- Motor versions up to 2.9 kW in d.o.l., 3.7kW-motor either in d.o.l.- or star-delta-start, from 5 kW on only start-delta-start
- All pumps can be operated with soft-starter and frequency-converter



Specifications:

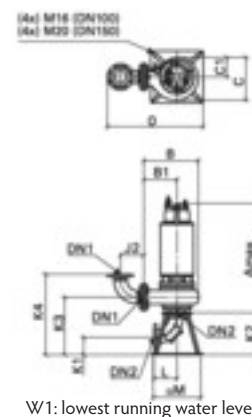
Model	Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable	Impeller passage mm
150UYMK422H	1	150	22	3	1450	29,1	3300	star/delta	510,7	100
150UYMK425.6	2	150	25,6	3	1450	23,0	5300	star/delta	545,8	100
150UYMK429.2	3	150	29,2	3	1450	24,0	5300	star/delta	553,6	100
150UYMK433	4	150	33	3	1450	26,0	5300	star/delta	554,3	100
150UYMK437.3	5	150	37,4	3	1450	27,0	5300	star/delta	663,7	100
150UYMK446.1	6	150	46,1	3	1450	33,5	5300	star/delta	708,3	100
150UYMK446.1H	7	150	46,1	3	1450	36,5	4890	star/delta	708,3	100

ø Discharge bore mm			150mm
Pumping Fluid	Temperature		0-35°C
	Type of Fluid		Municipal sewage
Pump	Compo- nents	Impeller	Vortex 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, 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-X5CrNiMo17-12-2
		Cable	Rubber, 10m H07RN8-F
Discharge Connection			Flange DIN/ANSI DN150 (PN10)
Optional Accessories			Horizontal installation / Vertical installation



Dimensions - vertical installation mm::

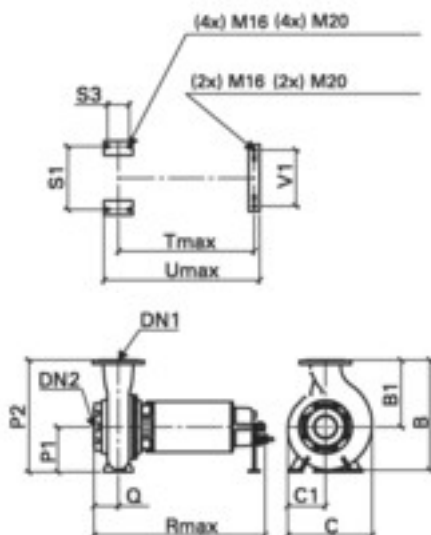
Model	A	B	B1	C	C1	DN1	DN2	J2	K1	K2	K3	K4	L	M	O
150UYMK422H	1353	620	380	464	232	150	200	273	301	692	822	1093	367	560	1121
150UYMK425.6	1353	620	380	464	232	150	200	273	301	692	822	1093	367	560	1121
150UYMK429.2	1353	620	380	464	232	150	200	273	301	692	822	1093	367	560	1121
150UYMK433	1353	620	380	464	232	150	200	273	301	692	822	1093	367	560	1121
150UYMK437.3	1409	620	380	464	232	150	200	273	301	692	822	1093	367	560	1121
150UYMK446.1	1409	620	380	464	232	150	200	273	301	692	822	1093	367	560	1121
150UYMK446.1H	1409	620	380	464	232	150	200	273	301	692	822	1093	367	560	1121



Dimensions - horizontal installation mm::

Model	B	B1	C	C1	DN1	DN2	P1	P2	Q	R	S1	S3	T	U	V1
150UYMK422H	620	380	464	232	150	200	260	640	130	1365	380	115	1158	1263	360
150UYMK425.6	620	380	464	232	150	200	260	640	130	1365	380	115	1158	1263	360
150UYMK429.2	620	380	464	232	150	200	260	640	130	1365	380	115	1158	1263	360
150UYMK433	620	380	464	232	150	200	260	640	130	1365	380	115	1158	1263	360
150UYMK437.3	620	380	464	232	150	200	260	640	130	1424	380	115	1197	1302	410
150UYMK446.1	620	380	464	232	150	200	260	640	130	1424	380	115	1197	1302	410
150UYMK446.1H	620	380	464	232	150	200	260	640	130	1424	380	115	1197	1302	410

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-UY_K_150mm-EN

