



TSURUMI PUMP

150UY 3-phase
50Hz

UY-series 150mm discharge, wet installation
Sewagepump with Vortex-impeller

The UY-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

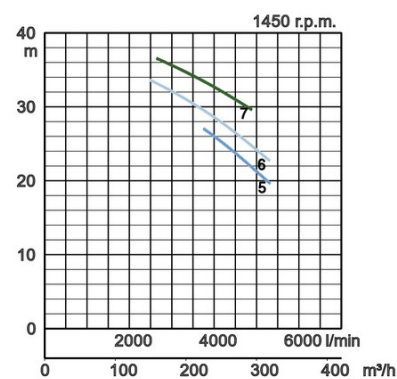
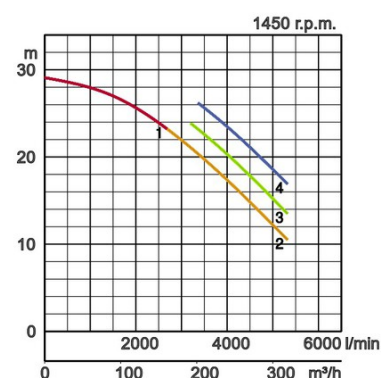
- Explosion proof version
- Oil sensor
- Motor versions up to 2.9 kW in d.o.l., 3.7kW-motor either in d.o.l.- or star-delta-start, from 5 kW on only start-delta-start
- All pumps can be operated with soft-starter and frequency-converter



Specifications:

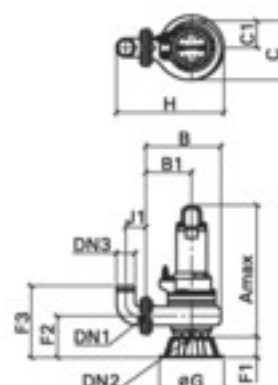
Model		Colour code curve		Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm
free standing	with guide rail fitting										free standing	with guide rail fitting	
150UY422H	TOS150UY422H	1	1	150	22	3	1450	29,1	3300	star/delta	415,1	387,4	100
150UY425.6	TOS150UY425.6	2	2	150	25,6	3	1450	23,0	5300	star/delta	458,2	430,5	100
150UY429.2	TOS150UY429.2	3	3	150	29,2	3	1450	24,0	5300	star/delta	463,0	463,0	100
150UY433	TOS150UY433	4	4	150	33	3	1450	26,0	5300	star/delta	459,2	431,5	100
150UY437.4	TOS150UY437.4	5	5	150	37,4	3	1450	27,0	5300	star/delta	549,9	515,4	100
150UY446.1	TOS150UY446.1	6	6	150	46,1	3	1450	33,5	5300	star/delta	590,9	556,4	100
150UY446.1H	TOS150UY446.1H	7	7	150	46,1	3	1450	36,5	4890	star/delta	590,9	556,4	100

ø Discharge bore mm			150mm
Pumping Fluid	Type of Fluid		Municipal sewage
	Temperature		0-35°C
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	Lubrication		Turbine oil (ISO VG32)
	Motor Protector (built-in)		Miniature protector
	Insulation		Insulation class H
	Phase / Voltage		3-phase / 400V / 50Hz / s.d.
	Type, Poles		Induction motor, 4 poles, IP68
	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			Guide rail fitting "TOS" (guide support, duck foot bend, lifting chain) / Bend and stand set for free standing types



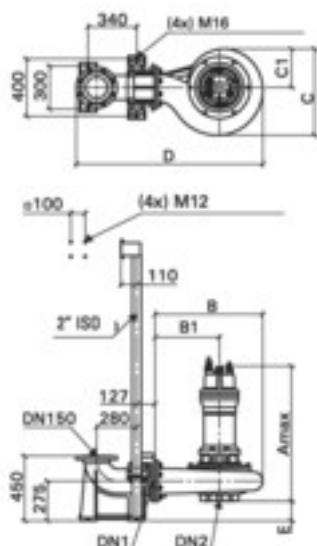
Dimensions in mm:

Model	A	B	B1	C	C1	DN1	DN2	DN3	F1	F2	F3	G	H	J1
150UY422H	1353	620	380	464	232	150	200	6"	250	380	666	600	1037	273
150UY425.6	1353	620	380	464	232	150	200	6"	250	380	666	600	1037	273
150UY429.2	1353	620	380	464	232	150	200	6"	250	380	666	600	1037	273
150UY433	1353	620	380	464	232	150	200	6"	250	380	666	600	1037	273
150UY437.4	1409	620	380	464	232	150	200	6"	250	380	666	600	1037	273
150UY446.1	1409	620	380	464	232	150	200	6"	250	380	666	600	1037	273
150UY446.1H	1409	620	380	464	232	150	200	6"	250	380	666	600	1037	273



Dimensions - guide rail fitting type in mm:

Model	A	B	B1	C	C1	D	DN1	DN2	E
150UY422H	1353	620	380	464	232	1170	150	200	145
150UY425.6	1353	620	380	464	232	1170	150	200	145
150UY429.2	1353	620	380	464	232	1170	150	200	145
150UY433	1353	620	380	464	232	1170	150	200	145
150UY437.4	1409	620	380	464	232	1170	150	200	145
150UY446.1	1409	620	380	464	232	1170	150	200	145
150UY446.1H	1409	620	380	464	232	1170	150	200	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-UY_150mm-EN

