

UX 50Hz only

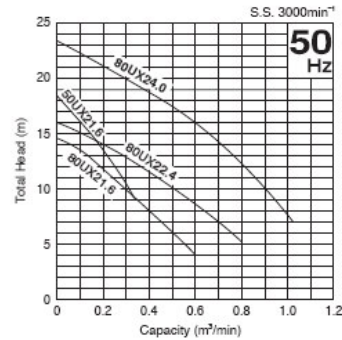
The UX-series is the explosion-proof type of the U-series and is available for operating in an area in which an explosive atmosphere occurs occasionally. The pump conforms to the relevant EU directives and is certified by ATEX II 2 G Ex d IIB T4 standard.



Applications

- Transferring sewage and wastewater to wastewater treatment plant
- Dewatering wastewater from industrial plant (e.g. petrochemical plant, etc)
- Pumping wastewater from collection sump where explosive atmosphere is likely to present

Performance Curves



Major Standard Specifications

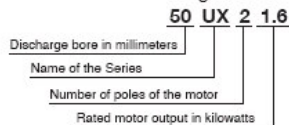
Discharge Bore		mm	50	80
Pumping Fluid	Type of Fluid	Wastewater, and Liquid carrying Waste and Solid Matters		
	Fluid Temperature	0 to 40°C		
Pump	Impeller	Vortex Impeller		
	Structure	Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Gray Iron Casting	
		Casing	Gray Iron Casting	
Shaft Seal		SiC		
Motor	Type, Pole	Dry Type Submersible Induction Motor 2-pole		
	Class of Insulation	Class F		
	Phase	Three-phase		
	Starting Method	Direct on Line		
	Protection Device (built-in)	Miniature Thermal Protector		
	Lubricant	Turbine Oil (ISO VG32)		
	Materials	Frame	Gray Iron Casting	
		Shaft	420 Stainless Steel	
Cable		Chloroprene Rubber		
Discharge Connection		Screwed Flange (1.6kW only) JIS 10K Flange		

Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) min ⁻¹	Impeller Passage mm	Dry Weight * kgs		Cabtyre Cable						
	Free Standing	Guide Rail Fitting					Free Standing	Guide Rail Fitting	No. of Cables	200 ~ 240 V Cores x mm ²	Outer Dia. mm	380 ~ 415 V Cores x mm ²	Outer Dia. mm	Length m	Material
50	50UX21.6	TOS50UX21.6	1.6	D.O.L	3000	35	41	46	1	—	—	6 x 1.5	14.0-14.6	10	Chloroprene Rubber
80	80UX21.6	TOS80UX21.6	1.6	D.O.L	3000	46	51	47	1	—	—	6 x 1.5	14.0-14.6	10	Chloroprene Rubber
80	80UX22.4	TOS80UX22.4	2.4	D.O.L	3000	56	65	61	1	—	—	6 x 1.5	14.0-14.6	10	Chloroprene Rubber
80	80UX24.0	TOS80UX24.0	4.0	D.O.L	3000	56	65	61	1	—	—	6 x 1.5	14.0-14.6	10	Chloroprene Rubber

* Dry weight
All weights excluding cable
Weights of guide rail fitting excluding duckfoot bend

Model Number Designation



Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)
- Screwed Flange
- -1.6kW only
- JIS 10kg/cm² Flange (with Packing, Bolts & Nuts)
- -2.4kW and above

Guide Rail Fitting - TOS

- Lifting Chain 5m, (with Shackles)
- Guide Support (with Bolts & Nuts)
- Guide Hook (with Bolts)
- Duckfoot Bend
- Guide Connector (with Bolts)
- JIS 10kg/cm² Flange (with Packing, Bolts & Nuts)
- Foundation Bolts (with Nuts)