

For Wastewater, 2 poles

WUP3-G type

Vortex



Adjustable float position



- Reinforced plastic
- Motor
- Stainless steel frame
- 2-pole drysealed motor
- Materials
- Casing: Plastic
- Impeller: Plastic
- Shaft: SUS304
- Bore: 32, 40, 50mm
- Output: 0.15 - 0.75kW

-P3-

WUZ2/3-G type

Vortex



Adjustable float position



- Titanium
- Motor
- Titanium frame
- 2-pole drysealed motor
- Materials
- Casing: Plastic
- Impeller: Plastic
- Shaft: Titanium
- Bore: 32 - 80mm
- Output: 0.15 - 3.7kW

-P3-

YUK2 type

Semi-open



- Motor
- 2-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: SCS13
- Shaft: SUS403
- Bore: 40, 50mm
- Output: 0.25 - 0.75kW

-P4-

For Sewage, 4 poles

AU4 type

Vortex with cutter



- Motor
- 4-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: Ductile iron
- Shaft: SUS420J2
- Cutter: Alloy tool steel (Ceramic coated)
- Bore: 50 - 100mm
- Output: 0.75 - 7.5kW

-P7-

VU4 type

Vortex



- Motor
- 4-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: Cast iron
- Shaft: SUS420J2
- Bore: 50 - 100mm
- Output: 0.75 - 15kW

-P7-

VUS type

Vortex



- Motor
- 4-pole drysealed motor
- Materials
- Casing: SCS13
- Impeller: SCS13
- Shaft: SUS304
- Bore: 50 - 100mm
- Output: 0.4 - 7.5kW

-P8-

For Wastewater, 2 poles

SU4 type

Closed



- Motor
- 2-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: Bronze
- Shaft: SUS403
- Bore: 50mm
- Output: 0.75 - 3.7kW

-P4-

For Sewage, 2 poles

WUO(3)-G type

Vortex



Adjustable float position



- Reinforced plastic
- Motor
- Stainless steel frame
- 2-pole drysealed motor
- Materials
- Casing: Plastic
- Impeller: Plastic
- Shaft: SUS304
- Bore: 40 - 80mm
- Output: 0.15 - 3.7kW

-P5-

ZU3 type

Semi-open non-clog



- Motor
- 2-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: Cast iron
- Shaft: SUS403
- Bore: 50 - 80mm
- Output: 0.4 - 7.5kW

-P5-

For Manholes, 4 poles

BUM type

High efficiency



High efficiency non-clog type



- Motor
- 4-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: SCS13
- Shaft: SUS420J2
- Bore: 65, 80mm
- Output: 1.5 - 3.7kW

-P8-

VUM type

Vortex



- Stainless steel
- Motor
- 4-pole drysealed motor
- Materials
- Casing: SCS13
- Impeller: SCS13
- Shaft: SUS304
- Motor cover: SCS13
- Bell mouth: SCS13
- Bore: 50 - 100mm
- Output: 0.4 - 7.5kW

-P9-

For Sewage, 4 poles

BUW type

High-efficiency non-clog



- High efficiency
- Motor
- 4-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: SCS13
- Shaft: SUS420J2
- Bore: 65, 80mm
- Output: 1.5 - 3.7kW

-P6-

BU4 type

Non-clog



- Motor
- 4-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: Cast iron
- Shaft: SUS420J2
- Bore: 50 - 150mm
- Output: 0.75 - 22kW

-P6-

For Construction works / For Residual water drainage

DUG2/DU4/DUM2 type

Vortex



- Motor
- 2-pole drysealed motor
- Materials
- Casing: Cast iron (DUG2)
- Synthetic rubber (DU4)
- Synthetic rubber + SUS304 (DUM2)
- Impeller: Plastic (DUG2)
- Urethane rubber (DU4, DUM2)
- Shaft: SUS403
- Bore: 40, 50mm
- Output: 0.25 - 2.2kW

DU4 type

-P11-

LU2 type

Semi-open



- Motor
- 2-pole drysealed motor
- Materials
- Casing: Synthetic rubber
- Impeller: Plastic
- Shaft: SUS403
- Bore: 50mm
- Output: 0.4kW

-P11-

NEW Reinforced plastic
WUP3-G type

For Wastewater, 2 poles

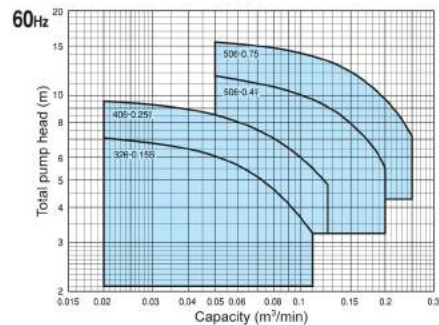
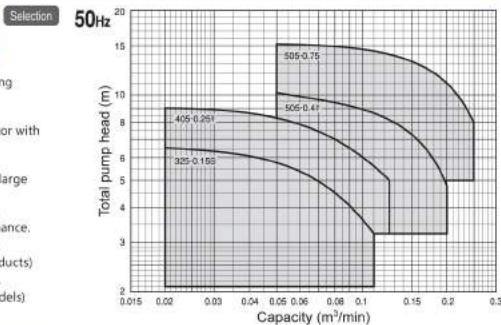
Application For drainage of wastewater, septic tank sump, dirty sump and spring water

- Features**
- Light and easy to handle, due to resinified pump parts and motor with stainless steel frame.
 - Corrosion proof and long-life.
 - Equipped with a small special motor with built-in auto-cut of a large starting torque to ensure safety.
 - Vortex type and excellent performance to pass foreign objects.
 - Strainer is quick detachable type for easy cleaning and maintenance.
 - Can be paired with plastic pedestal support (special accessory).
 - Japan Public Buildings Association compliant. (50mm-bore products)
 - Starting/stopping water levels are adjustable in L and LN types.
 - Improved strainer strength. (compared to our conventional models)

Types		Ability to pass foreign objects	
Operation method	Model	Bore (mm)	Diameter of foreign objects (sphere) (mm)
Non-automatic	WUP3-G type	32	14
Automatic	WUP3-LG type	40	14
Auto alternate	WUP3-LNG type	50	20



WUP3-G type WUP3-LG type WUP3-LNG type



YUK2 type

For Wastewater, 2 poles

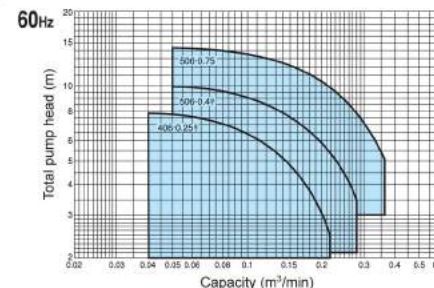
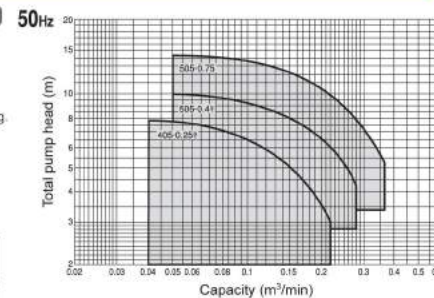
Application For drainage of wastewater, septic tank sump, dirty sump and spring water

- Features**
- Semi-open stainless steel impeller prevents foreign objects from clogging.
 - Significantly improved ability to pass foreign objects.
 - Safety device (auto-cut) activates at overload and during restraint operation and prevents motor burnout.
 - Can be combined with a plastic pedestal support (special accessory).

Types		Ability to pass foreign objects	
Operation method	Model	Bore (mm)	Diameter of foreign objects (sphere) (mm)
Non-automatic	YUK2 type	40	20
Automatic	YUK2-L type	50	20
Auto alternate	YUK2-LN type		



YUK2 type YUK2-L type YUK2-LN type



NEW Titanium
WU22/3-G type

For Seawater and Wastewater, 2 poles

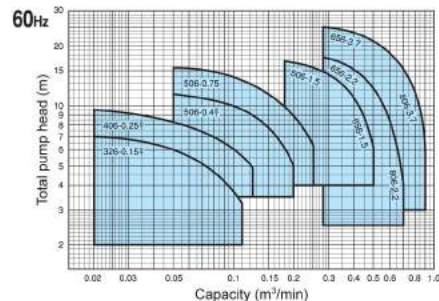
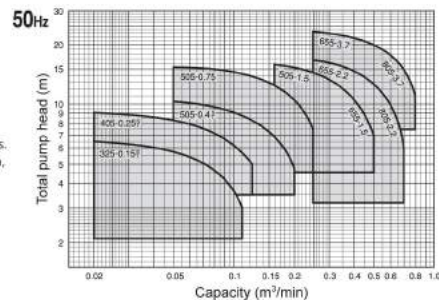
Application For seawater intake, circulation, fish and shellfish breeding farms, processing plant, various wastewater

- Features**
- Uses titanium for the metal part which contacts water and plastic in the pump to achieve corrosion proof, light weight and easy-to-handle features.
 - Glass fiber reinforced plastic is used in plastic parts which require strength, such as the impeller and casing.
 - Vortex type and excellent in the ability to pass foreign objects.
 - Equipped with a motor with built-in auto-cut having a large torque to prevent burn damage.
 - Strainers with output of 0.75kW or less are quick detachable type for easy maintenance.
 - Japan Public Buildings Association compliant. (50mm-bore products)
 - Starting/stopping water levels are adjustable in L and LN types.
 - Improved strainer strength. (compared to our conventional models)

Types		Ability to pass foreign objects	
Operation method	Model	Output	Diameter of foreign objects (sphere) (mm)
Non-automatic	WU22/3-G type	0.25kW or less	14
Automatic	WU22/3-LG type	0.4, 0.75kW	20
Auto alternate	WU22/3-LNG type	1.5kW	35
		2.2kW or above	40



WU22/3-G type WU22/3-LG type WU22/3-LNG type



SU4 type

For Wastewater, 2 poles

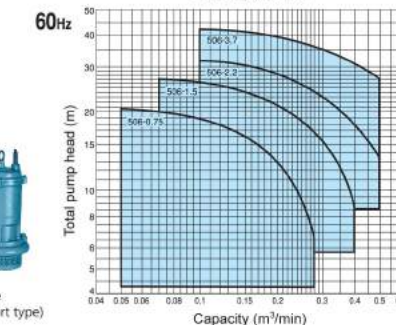
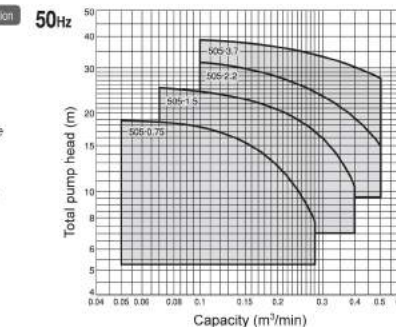
Application For drainage of wastewater, septic tank sump, rain water and spring water sump

- Features**
- Closed impeller made of Bronze provides excellent pumping performance without startup failures due to rusted impellers.
 - Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - Attached with a special strainer to prevent suction of foreign objects.
 - The flange is attached with a pedestal support to avoid excess load to be applied to the pump.
 - Two types available: flange type and pedestal support type for easy maintenance and inspection.

Types	
Operation method	Model
Non-automatic	SU4 type
Automatic	SU4-L type
Auto alternate	SU4-LN type



SU4 type SU4-L type SU4-LN type SU4 type (pedestal support type)



NEW Reinforced plastic WUO(3)-G type

For Sewage, 2 poles

Application For drainage of sewage and wastewater, and for drainage of septic tank sump

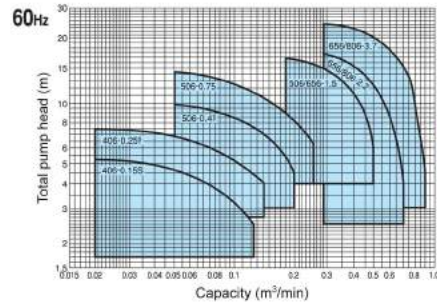
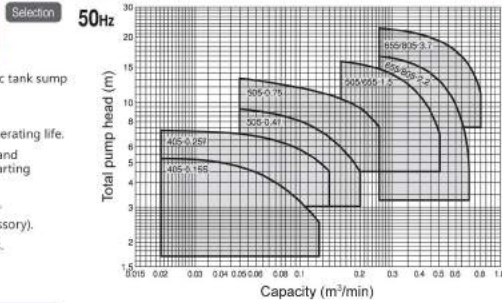
- Features**
- Light weight and easy-to-handle submersible sewage pump.
 - Stainless steel made frame motor and plastic parts increase operating life.
 - Uses glass fiber reinforced plastic for the impeller and casing, and equipped with a motor with built-in auto-cut having a large starting torque for stable operation.
 - Vortex type and excellent performance to pass foreign objects.
 - Can be combined with a plastic pedestal support (special accessory).
 - Starting/stopping water levels are adjustable in L and LN types.

Types **Ability to pass foreign objects**

Operation method	Model	Bore (mm)	Diameter of foreign objects (sphere) (mm)
Non-automatic	WUO(3)-G type	40	35
Automatic	WUO(3)-LG type	50	35
Auto alternate	WUO(3)-LNG type	65	35 (40 for 2.2kW or above)
		80	40



WUO(3)-(G) type WUO(3)-LG type WUO(3)-LNG type



NEW High-efficiency non-clog impeller BUW type

For Sewage, 4 poles

Application For drainage of sewage and wastewater, discharge of sump from buildings, factories, hospitals, apartments, etc.

- Features**
- The ability to pass foreign objects is 100% of the bore size (can discharge spherical solids with a diameter which equals to the bore size).
 - The closed-type, high-efficiency, non-clog impeller (patent pending) and our original casing structure provide high pumping performance with high efficiency.
 - Uses highly corrosion proof stainless steel for the impeller.
 - Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - Two types available: flange type and pedestal support type for easy maintenance and inspection.

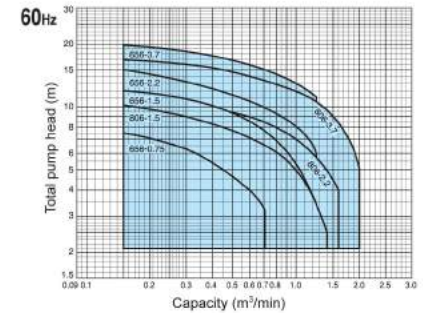
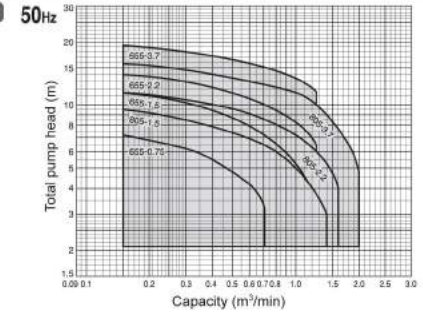
Types Non-automatic

Ability to pass foreign object

Bore (mm)	Diameter of foreign objects (sphere) (mm)
65	65
80	80



Flange type Pedestal support type Impeller



ZU3 type

For Sewage, 2 poles

Application Sewage and wastewater with solids

- Features**
- The S-shaped impellers provides excellent ability to pass foreign objects.
 - The pump is free from forming air pocket behind impeller.
 - Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - ZUJ type is equipped with a pedestal support for easy maintenance and inspection.
 - Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

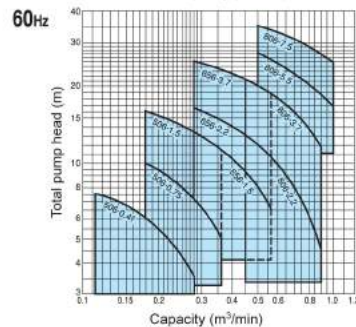
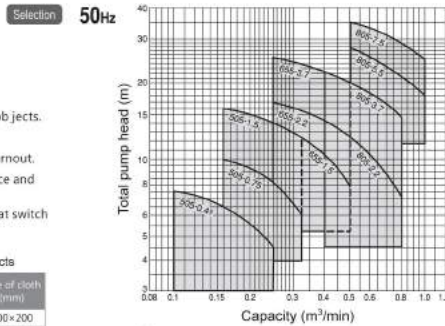
Types **Ability to pass foreign objects**

Operation method	Model	Bore (mm)	Diameter of foreign objects (sphere) (mm)	Size of cloth (mm)
Non-automatic	ZU3 type, ZUJ type (with pedestal support)	50	35	200×200
Automatic	ZU3-L type, ZUJ-L type (with pedestal support)	65	35	300×300
Auto alternate	ZU3-LN type, ZUJ-LN type (with pedestal support)	80	40	300×450



ZU3 type ZU3-L type ZU3-LN type ZUJ type*

*-L and -LN types are also available with a float switch.



BU4 type

For Sewage, 4 poles

Application For discharge of sewage and wastewater

- Features**
- The closed-type non-clog impeller and our original casing structure (patented) provide high pumping performance.
 - Equipped with a motor with built-in auto-cut (7.5kW or less) to prevent motor burnout. Motor with output of 11kW or above can detect abnormal temperature rise of the motor coil as an external signal.
 - Two types available: flange type and pedestal support type for easy maintenance and inspection.
 - Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).
 - High pressure model BU4-H type is also available.

Types

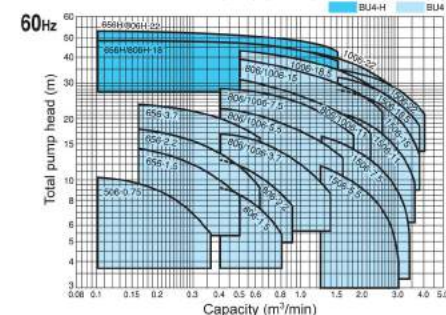
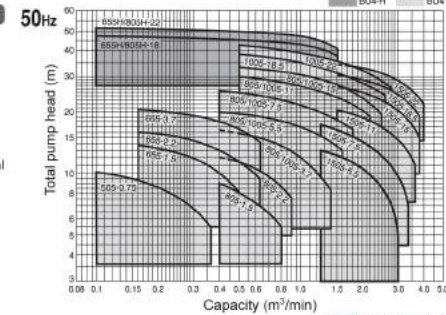
Ability to pass foreign object

Operation method	Model	Bore (mm)	Diameter of foreign objects (sphere) (mm)	Size of cloth (mm)
Non-automatic	BU4 type	50	35	300×300
Automatic	BU4-L type	65	35	300×450
Auto alternate	BU4-LN type	80	53	1.5kW: 300×60 2.2-3.7kW: 300×90 5.5-22kW: 200×300
		100	53	
		150	53	

* With motor.



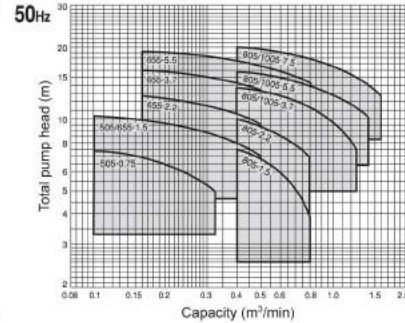
BU4 type BU4-L type BU4-LN type BU4 type (pedestal support type)



Vortex with cutter AU4 type

For Sewage, 4 poles

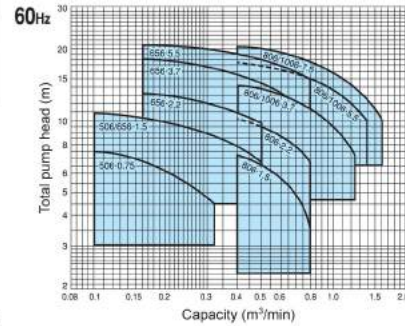
Selection



Application For drainage from sewage tanks, kitchens, and drainage of other sewage and wastewater

- Features**
- The ceramic-coated cutter piece help maintain long service life with excellent performance.
 - Original suction configuration (patented) and casing structure.
 - Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - Two types available: flange type and pedestal support type for easy maintenance and inspection.
 - Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

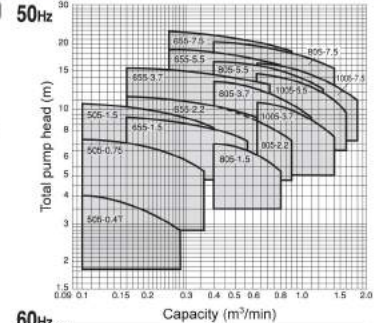
Types		Ability to pass foreign objects		
Operation method	Model	Bore (mm)	Solid object (sphere diameter) (mm)	Curtable cloth
Non-automatic	AU4 type	50	17	0.75kW: Party hose 1.5kW: Towel (300x450mm) 2.2kW and above: Towel (300x900mm)
Automatic	AU4-L type	65	17	
Auto alternate	AU4-LN type	80	24 (2.2kW or less) 26 (3.7kW or above)	(In addition to the above, cotton gloves, packaging tapes, plastic bags, etc. can also be cut.)
		100	26	



Stainless Steel, Vortex type VUS type

For Sewage, 4 poles

Selection



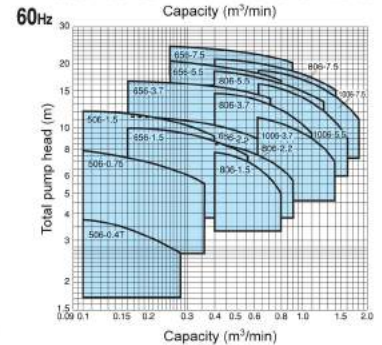
Application For discharge of sewage and wastewater from buildings, factories, hospitals, apartments, etc.

- Features**
- All stainless steel structure (pump, motor, pedestal support) provides corrosion proof and long life.
 - Excellent ability to pass foreign objects (can discharge spherical solids with a diameter which equals to the bore size) and superior pumping performance.
 - Vortex type increases resistant against wearing due to sand etc., and reverts startup failure due to rusted impellers.
 - Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - Two types available: flange type and pedestal support type for easy maintenance and inspection.

Types		Ability to pass foreign objects				
Operation method	Model	Bore (mm)	Sphere diameter (mm)	Packaging tape	Cloth	Party hose
Non-automatic	VUS type	50	50	400mm or smaller	○	○
Automatic	VUS-L type	65	65	OK with restart for 0.75kW and 50Hz, 1.5kW	○	OK with restart for 2.2kW or less and 60Hz, 3.7kW
Auto alternate	VUS-LN type	80	80	OK with restart for 0.75kW and 50Hz, 1.5kW	○	OK with restart for 2.2kW or less and 60Hz, 3.7kW



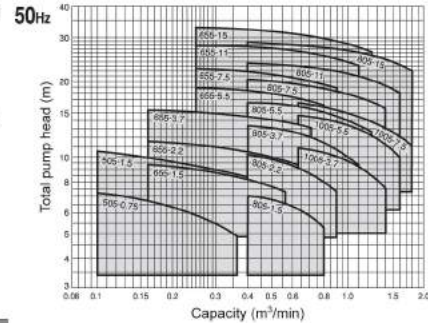
Special specification: With flood detector - Please inquire for details.



Vortex type VU4 type

For Sewage, 4 poles

Selection



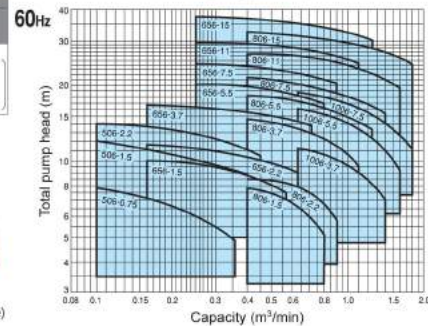
Application For discharge of sewage and wastewater

- Features**
- Excellent ability to pass foreign objects without entangling. (Can discharge spherical solids with a diameter which equals to the bore size.)
 - Our original casing structure (patented) provides excellent pumping performance.
 - Equipped with a motor with built-in auto-cut (7.5kW or less) to prevent motor burnout.
 - Motor with output of 11kW or above can detect abnormal temperature rise of the motor coil as an external signal.
 - Two types available: flange type and pedestal support type for easy maintenance and inspection. Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

Types		Ability to pass foreign objects				
Operation method	Model	Bore (mm)	Sphere diameter (mm)	Packaging tape	Cloth	Party hose
Non-automatic	VU4 type	50	50	400mm or smaller	○	○
Automatic	VU4-L type	65	65	OK with restart for 0.75kW and 50Hz, 1.5kW	○	OK with restart for 2.2kW or less and 60Hz, 3.7kW
Auto alternate	VU4-LN type	80	80	OK with restart for 0.75kW and 50Hz, 1.5kW	○	OK with restart for 2.2kW or less and 60Hz, 3.7kW



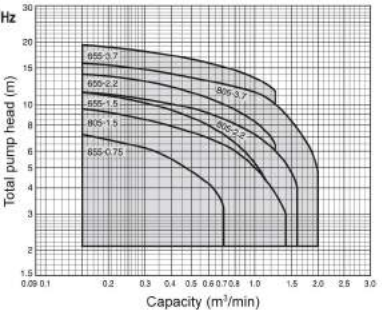
Special specification: Stainless steel impeller



NEW High-efficiency non-clog impeller BUM type

For Manholes, 4 poles

Selection



Application Submersible sump pumps for manholes installed as relay pumps for sewage main piping and sewage treatment facilities such as for sewage relay and drainage of sump from agricultural communities.

- Features**
- The ability to pass foreign objects is 100% of the bore size (can discharge spherical solids with a diameter which equals to the bore size).
 - The closed-type, high-efficiency, non-clog impeller (patent pending) and our original casing structure provide high pumping performance with high efficiency.
 - Combination of a prewhirl tank and a pump with bell mouth allows operation up to low residual water level, while discharging suspended particles and suppressing scum and bad smell.
 - Control panel for manhole pumps and necessary parts are also available as special accessories.

Ability to pass foreign objects
100% of the bore (sphere diameter in mm)

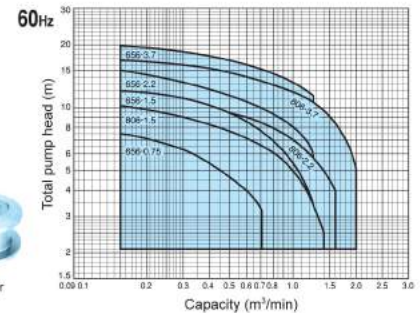
Pump/manhole combination table

Pump Bore (mm)	Manhole (size)			
	Type 1 φ900	Type 2 φ1200	Type 3 φ1500	Type 4 φ1800
65	○	○	○	○
80	○	○	○	○

Special specification: With flood detector



Note: Guide pipes are not included.



Stainless steel made vortex type

VUM type

For Manhole, 4 poles

Selection 50Hz

Application Submersible sump pumps for manholes installed as relay pumps for sewage main piping and sewage treatment facilities such as for sewage relay and drainage of sump from agricultural communities.

- Features**
- ① Stainless steel made precision casting (SCS) is used in the pump and pedestal support, which gives features of high corrosion proof and durable with long service life.
 - ② The sump pump is a vortex type with non-blocking feature, with a 4-pole motor with a large starting torque. (Can discharge spherical solids with a diameter which equals to the bore size.)
 - ③ Combination of a prewhirl tank and a pump with bell mouth allows operation up to low residual water level, while discharging suspended particles and suppressing scum and bad smell.

Standard accessories Stainless steel sump pump, stainless steel bell mouth, stainless steel pedestal support, stainless steel direct coupling straight pipe, stainless steel chain

Ability to pass foreign objects

100% of the bore (sphere diameter in mm)

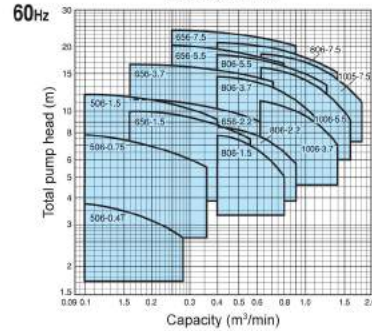
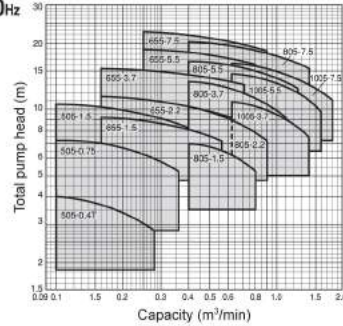
Pump/manhole combination table

Pump Bore (mm)	Manhole (size)			
	Type 1 φ1500	Type 2 φ1200	Type 3 φ1000	Type 4 φ1600
50	○	○	○	○
65	○	○	○	○ (φ1600 only)
80	○	○	○	○
100	○	○	○	○

Special specification With flood detector



Note: Guide pipes are not included.



Separately sold parts

Control panel for ECM2 type manhole pump

Features

- Easy installation of pole mounting. (Outdoor specification with lock)
- Supports throw-in water level gauges and float switches in standard models.
- Standard models also support voltmeters, ammeters and earth leakage circuit breakers as well as counter of accumulated operation time and number and phase advance capacitor.
- Equipped with an abnormal water level detector function.
- Equipped with a connection terminal for in-house power generation in case of power outage.
- Control panels with automatic alarming device are available as a variation. (Standard models have an installation space.)

Specifications

Model	ECM-2-A type	ECM-2-P type
Operation method	Alternate	Alternate/Parallel
Rated capacity	0.4 - 7.5kW	0.4 - 7.5kW × 2
Panel display	Instruments	Voltmeter, ammeter, operation counter, operation timer (instruments other than the voltmeter are separate)
	Indicator light	Operation, stop, fault (separate) Manhole water level (HH, H, L level), abnormal high water level
External dimensions (max.)	1400×700×350mm (length × width × depth)	
Applicable pole for installation	φ170 - 400mm (Installation metal fitting for φ170 - 230mm) (Installation metal fitting for φ230 - 300mm) (Installation metal fitting for φ300 - 400mm)	



With automatic alarming device
The appearance may be altered.

Water level gauge (throw-in)

With weight (6m SUS chain)



Sump check valve

Nylon coated valve
(Please inquire for stainless steel valves.)



Check valve

Float switch (EHF5-S type)

For backup



Inflow baffle (stainless steel)

Prewhirl tank



Ball valve (stainless steel)

*Please inquire for details.

Special accessories

Hose Coupling (bamboo shoot shaped) Plastic

● For WUP3 type



Bore (mm)	Name
32	32A Hose coupling
40	40A Hose coupling
50	50A Hose coupling

Pedestal Support Plastic

● For WUP3-G, WUC0(3)-G, YUK2 type



Bore (mm)	Model	Note
40	UJP-40-5K	—
50	UJP-50-5K	0.75kW or less
	UJP-50-7K	1.5kW
65	UJP-65-7K	1.5kW
	UJP-65B-7K	2.2, 3.7kW
80	UJP-80-7K	—

Includes a rope for hanging the pump.

Float Switch



EHF5-4 type



EHF5-1 type

Stainless Steel Pedestal Support



Sump Check valve



- Nylon coated
- Install on a vertical pipeline.
- IS IOK thin flange
- Operation pressure: 0.29MPa (3kgf/cm²) or less

Control Panel



ECM2-P type

ECDW-P type

- Control panel with a microcomputer for submersible sump pumps ensures control and protection.
- Control panels for indoor and outdoor are available for individual operation, and control panels for indoor and outdoor (with a pole) are available for auto alternate/parallel operation.
- Control panel specifications include standard specifications and also special specifications are available.

Type	ECM2 type (indoor)	ECDW type (outdoor)	ECM2-P type (indoor)	ECDW-P type (outdoor)	ECM2-P type (outdoor with a pole)
Control method	ON-OFF control by input from the float switch				
Operation method	Individual		Alternate/Parallel		
Rated capacity	0.15kW - 7.5kW		0.15kW - 7.5kW × 2		
Rated voltage	Singlephase 100V : 0.15kW - 0.4kW Three phase 200V : 0.25kW - 7.5kW				
Protection function (※1)	Overcurrent protection, magnet switch fault detection		Phase failure, reverse phase, overcurrent protection, magnet switch fault detection		
Display	Power indicator light	○ (White)	○ (White)	○ (White)	
	Operation indicator light	○ (Red)	○ (Red) : No1, No2 Individual indication	○ (Red) : No1, No2 Individual indication	
	Fault indicator light	○ (Orange)	○ (Orange) : No1, No2 Individual indication	○ (Orange) : No1, No2 Individual indication	
	Reverse phase indicator light	—	○ (Orange) : For three phase 200V only	○ (Orange) : For three phase 200V only	
	Abnormal water pressure indicator light	○ (Orange)	○ (Orange)	○ (Orange)	
External signal (no voltage)	Pump selection indicator light	—	○ (Red) : No1, No2	○ (Red) : No1, No2	
	Ammeter	○ (Analog)	○ (Digital, with 3-digit display)	○ (Digital, with 3-digit display)	
	Operation	○ (※2)	○ (Collective)	○ (Collective)	
	Fault	○ (※3)	○ (Collective)	○ (Collective)	
	Water level	○ (※3)	○ (Collective)	○ (Collective)	
Alarm buzzer	○	○	○	○	

(※1) Detected by the microcomputer in the control panel. Phase failure and reverse phase are for three phase 200V only.
(※2) Auxiliary contact output of the magnet switch. (※3) Output collectively as an alarm output.

Full water alarm panel



EBA-3 type

- Sends out an alarm with a buzzer and lamp and also outputs a signal of no external voltage at abnormal water level (full water).

Sump Pump Defect Detector

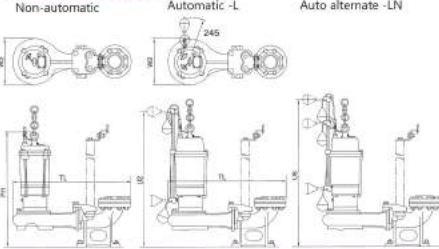


EFS type

- Float switch fault, lock due to foreign objects, no power transmission due to tripped earth leakage breaker, and pump fault are identified and displayed by LED.
- Applicable pump
Submersible sump pump with a float switch for three phase 200V

Submersible Sump Pump Outline Dimension (The diagrams are for reference only) Please request a delivery specification when planning installation.

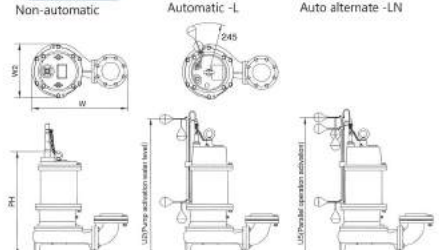
● Pedestal support type



Type	Bore	Model	PH	L2	US	TL	W2
SUA type M	50	SUA-50S/0-0.75	493	—	—	477	162
		SUA-50S/0-1.5	443	—	—	489	200
		SUA-50S/0-2	585	—	—	585	234
SUA-L type A	50	SUA-50S/0-0.75LN	448	528	588	477	162
		SUA-50S/0-1.5LN	503	528	599	489	200
		SUA-50S/0-2LN	640	715	785	585	234
ZSU type M	50	ZSU-50S/0-0.4T	434	—	—	493	181
		ZSU-50S/0-1.5	437	—	—	624	222
		ZSU-50S/0-2	680	—	—	624	222
ZSU-L type A	50	ZSU-50S/0-0.4TLN	496	550	610	493	181
		ZSU-50S/0-1.5LN	557	600	650	624	222
		ZSU-50S/0-2LN	715	790	860	722	268
ZSU-L type A	50	ZSU-50S/0-0.75LN	482	550	610	518	190
		ZSU-50S/0-1.5LN	557	600	650	624	222
		ZSU-50S/0-2LN	715	790	860	722	268

M: Manual operation
A: Automatic (Alternate) operation
L2: (Pump activation water level)
US: (Parallel operation activation)

● Flange type



Type	Bore	Model	PH	L2	US	W	W2
AUA type M	50	AUA-50S/0-0.75	444	—	—	377	232
		AUA-50S/0-1.5	535	—	—	416	262
		AUA-50S/0-2	624	—	—	456	292
AUA-L type A	50	AUA-50S/0-0.75LN	444	528	588	477	162
		AUA-50S/0-1.5LN	535	528	599	489	200
		AUA-50S/0-2LN	624	715	785	585	234
VUA type M	50	VUA-50S/0-0.4T	434	—	—	493	181
		VUA-50S/0-1.5	437	—	—	624	222
		VUA-50S/0-2	680	—	—	624	222
VUA-L type A	50	VUA-50S/0-0.4TLN	496	550	610	493	181
		VUA-50S/0-1.5LN	557	600	650	624	222
		VUA-50S/0-2LN	715	790	860	722	268

M: Manual operation
A: Automatic (Alternate) operation
L2: (Pump activation water level)
US: (Parallel operation activation)

Type	Bore	Model	PH	L2	US	W	W2
BU4 type M	50	BU4-50S/0-0.75	499	—	—	401	242
		BU4-50S/0-1.5	549	—	—	470	273
		BU4-50S/0-2.2	633	—	—	537/562	323/304
		BU4-50S/0-3.7	633	—	—	537/562	323/304
		BU4-50S/0-1.5	574	—	—	501/486	289/259
		BU4-50S/0-2.2	653	—	—	501/486	289/259
		BU4-50S/0-3.7	663	—	—	572	332
		BU4-50S/0-5.5	687	—	—	603	358
		BU4-50S/0-7.5	687	—	—	603	358
		BU4-50S/0-11	760	—	—	675	420
BU4-L type M	50	BU4-50S/0-1.5	610	—	—	675	420
		BU4-50S/0-2.2	663	—	—	584	332
		BU4-50S/0-3.7	663	—	—	616	358
		BU4-50S/0-5.5	687	—	—	689	420
		BU4-50S/0-7.5	687	—	—	689	420
		BU4-50S/0-11	760	—	—	747	421
		BU4-100S/0-3.7	663	—	—	584	332
		BU4-100S/0-5.5	687	—	—	616	358
		BU4-100S/0-7.5	687	—	—	689	420
		BU4-100S/0-11	810	—	—	689	420
BU4-H type M	50	BU4-100S/0-15	879	—	—	738/689	453/420
		BU4-100S/0-22	879	—	—	738/689	453/420
		BU4-100S/0-3.7	663	—	—	584	332
		BU4-100S/0-5.5	687	—	—	616	358
		BU4-100S/0-7.5	687	—	—	689	420
		BU4-100S/0-11	765	—	—	747	421
		BU4-100S/0-15	811	—	—	747	421
		BU4-100S/0-22	884	—	—	790/747	457/421
		BU4-100S/0-22	884	—	—	790/747	457/421
		BU4-100S/0-11	765	—	—	725	481
BU4-L type A	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-H type A	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-L type M	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-L type A	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-H type M	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-L type A	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-H type A	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-L type M	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-L type A	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-H type M	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3.7LN	687	—	—	725	481
		BU4-50S/0-5.5LN	687	—	—	725	481
		BU4-50S/0-7.5LN	687	—	—	725	481
		BU4-50S/0-11LN	765	—	—	747	421
		BU4-50S/0-15LN	811	—	—	747	421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-22LN	884	—	—	790/747	457/421
		BU4-50S/0-11LN	765	—	—	725	481
BU4-L type A	50	BU4-50S/0-1.5LN	687	—	—	725	481
		BU4-50S/0-2.2LN	687	—	—	725	481
		BU4-50S/0-3					