

Submersible Sump Pump Series

For drainage of wastewater, sewage, facilities and construction equipment.

High-efficiency non-clog impeller

Reinforced glass fiber resin

Stainless steel

Vortex with cutter

Ver.3.1



VUS



ZU3



WUP4



BUW



DU4



BUM



Kawamoto's Submersible Sump Pump Series

Specification table by model (liquid temperature: 0 to 40°C, pH 5 to 9)

For Wastewater, 2 poles

WUP4 type

Adjustable float position

New!



- Reinforced glass fiber resin
- 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-

Vortex



WUZ2/4 type

Adjustable float position

New!



For seawater

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

-P3-

Vortex



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 Wastewater, 2 poles

SU4 type

Closed



- Motor
- 2-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: Bronze
- Shaft: SUS403
- Bore: 50mm
- Output: 0.75 - 7.5kW

-P4-

WUO(4) type

Adjustable float position

New!



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

-P5-

Vortex



For Sewage, 2 poles

ZU3/4 ZUJ/4 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 Sewage, 4 poles

BUW type

High-efficiency
non-clog



High efficiency

Bore to pass foreign
objects 100% dia.



- Motor
- 4-pole drysealed motor
- Materials
- Casing: Cast iron
- Impeller: SCS13
- Shaft: SUS420J2
- Bore: 65, 80mm
- Output: 0.75 - 7.5kW

-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-

High durability

High efficiency
e-star Product

Rust resistant



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 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: 0.75 - 7.5kW

-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 Construction works / For Residual water drainage

DUG2/DU4/ DUM2 type

Vortex



DU4 type

- 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

-P11-

LU2 type

Semi-open



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

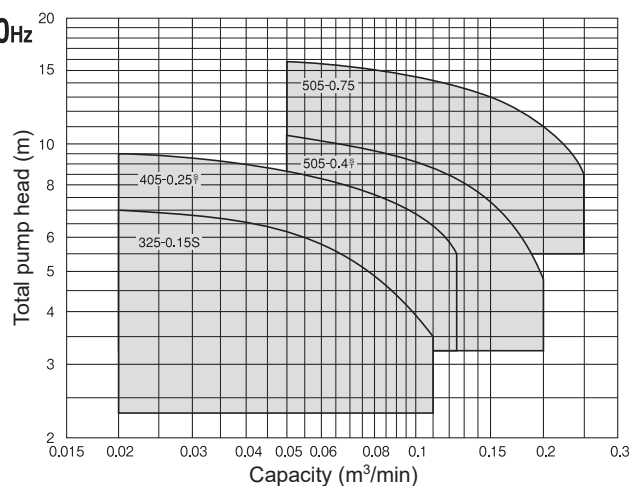
-P11-

Reinforced glass fiber resin

WUP4 type

For Wastewater, 2 poles

Selection 50Hz



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

- Features**
- ① Light and easy to handle, due to resinified pump parts and motor with stainless steel frame.
 - ② Corrosion proof and long-life.
 - ③ Equipped with a small special motor with built-in auto-cut of a large starting torque to ensure safety.
 - ④ Vortex type and excellent performance to pass foreign objects.
 - ⑤ Strainer is quick detachable type for easy cleaning and maintenance.
 - ⑥ Can be paired with plastic pedestal support (special accessory).
 - ⑦ Japan Public Buildings Association compliant. (50mm-bore products)
 - ⑧ Starting/stopping water levels are adjustable in L and LN types.
 - ⑨ Improved strainer strength. (compared to our conventional models)

Types

Operation method	Model
Non-automatic	WUP4 type
Automatic	WUP4-L type
Auto alternate	WUP4-LN type

Ability to pass foreign objects

Bore (mm)	Diameter of foreign objects (sphere) (mm)
32	14
40	14
50	20



WUP4 type

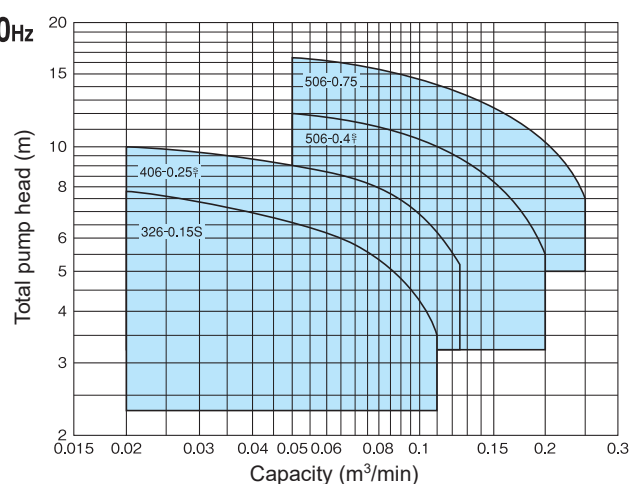


WUP4-L type



WUP4-LN type

60Hz

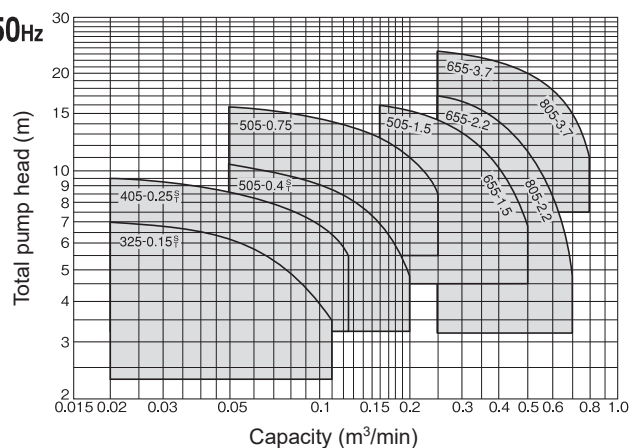


Titanium

WUZ2/4 type

For Seawater and Wastewater, 2 poles

Selection 50Hz



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

- Features**
- ① 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.
 - ② Glass fiber reinforced plastic is used in plastic parts which require strength, such as the impeller and casing.
 - ③ Vortex type and excellent in the ability to pass foreign objects.
 - ④ Equipped with a motor with built-in auto-cut having a large torque to prevent burn damage.
 - ⑤ Strainers with output of 0.75kW or less are quick detachable type for easy maintenance.
 - ⑥ Japan Public Buildings Association compliant. (50mm-bore products)
 - ⑦ Starting/stopping water levels are adjustable in L and LN types.
 - ⑧ Improved strainer strength. (compared to our conventional models)

Types

Operation method	Model
Non-automatic	WUZ2/4 type
Automatic	WUZ2/4-L type
Auto alternate	WUZ2/4-LN type

Ability to pass foreign objects

Output	Diameter of foreign objects (sphere) (mm)
0.25kW or less	14
0.4, 0.75kW	20
1.5kW	35
2.2kW or above	40



WUZ2/4 type

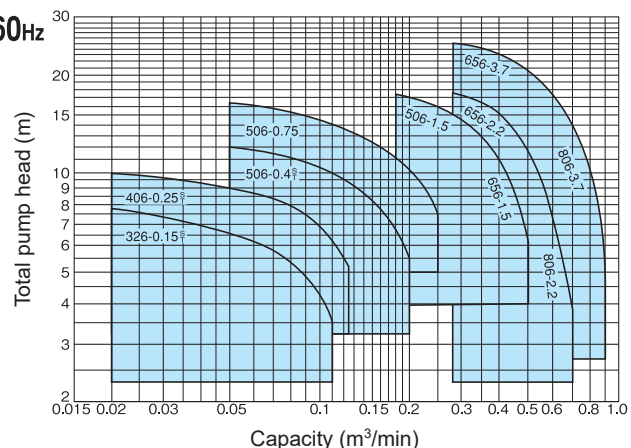


WUZ2/4-L type



WUZ2/4-LN type

60Hz

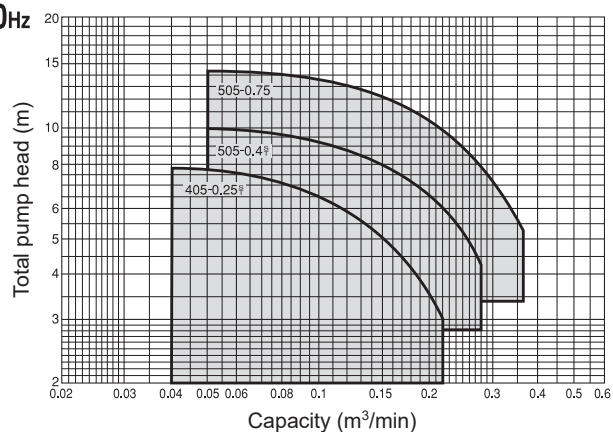


YUK2 type

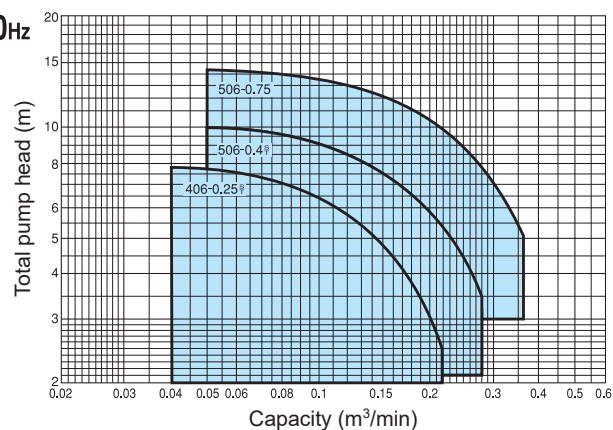
For Wastewater, 2 poles

Selection

50Hz



60Hz



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

Features

- ① Semi-open stainless steel impeller prevents foreign objects from clogging.
- ② Significantly improved ability to pass foreign objects.
- ③ Safety device (auto-cut) activates at overload and during restraint operation and prevents motor burnout.
- ④ Can be combined with a plastic pedestal support (special accessory).

Types

Operation method	Model
Non-automatic	YUK2 type
Automatic	YUK2-L type
Auto alternate	YUK2-LN type

Ability to pass foreign objects

Bore (mm)	Diameter of foreign objects (sphere) (mm)
40	20
50	20



YUK2 type



YUK2-L type



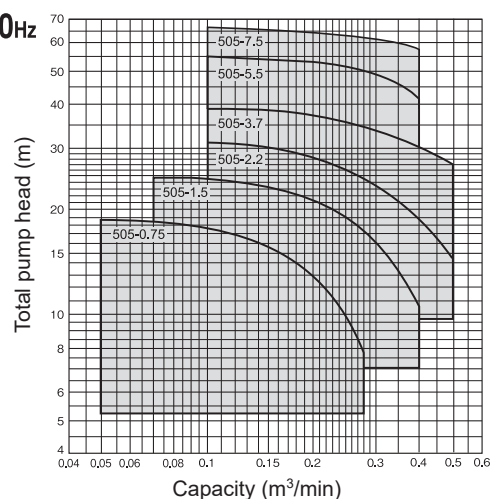
YUK2-LN type

SU4 type

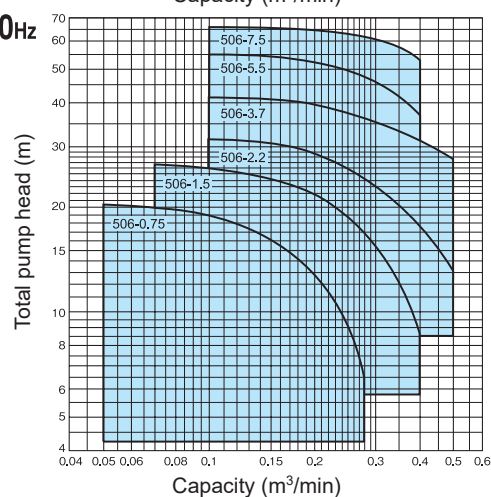
For Wastewater, 2 poles

Selection

50Hz



60Hz



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

Features

- ① Closed impeller made of Bronze* provides excellent pumping performance without startup failures due to rusted impellers.
- ② Equipped with a motor with built-in auto-cut to prevent motor burnout.
- ③ Attached with a special strainer to prevent suction of foreign objects.
- ④ The flange is attached with a pedestal support to avoid excess load to be applied to the pump.
- ⑤ Two types available: floor mount and pedestal support type for easy maintenance and inspection.
- ⑥ Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

* 5.5kW and 7.5kW model adopt Stainless cast steel (304)

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



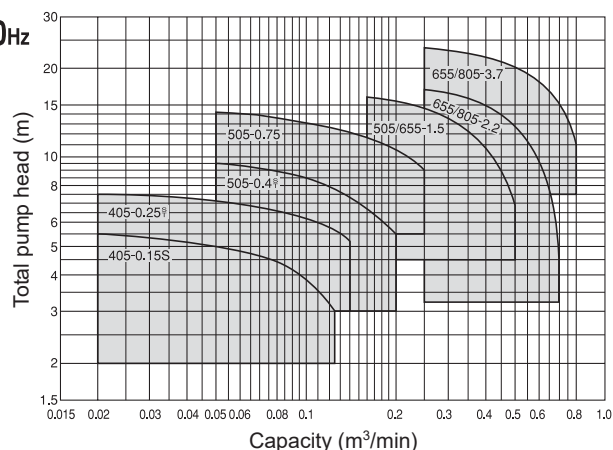
SU4 type
(Pedestal support type)

Reinforced glass fiber resin WUO(4) type

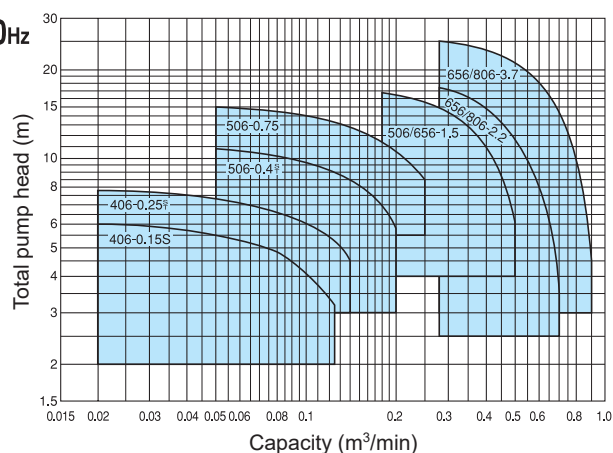
For Sewage, 2 poles

Selection

50Hz



60Hz



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

- Features**
- ① Light weight and easy-to-handle submersible sewage pump.
 - ② Stainless steel made frame motor and plastic parts increase operating life.
 - ③ Uses reinforced glass fiber resin for the impeller and casing, and equipped with a motor with built-in auto-cut having a large starting torque for stable operation.
 - ④ Vortex type and excellent performance to pass foreign objects.
 - ⑤ Can be combined with a plastic pedestal support (special accessory).
 - ⑥ Starting/stopping water levels are adjustable in L and LN types.

Types

Operation method	Model
Non-automatic	WUO(4) type
Automatic	WUO(4)-L type
Auto alternate	WUO(4)-LN type

Ability to pass foreign objects

Bore (mm)	Diameter of foreign objects (sphere) (mm)
40	35
50	35
65	35 (40 for 2.2kW or above)
80	40



WUO(4) type



WUO(4)-L type



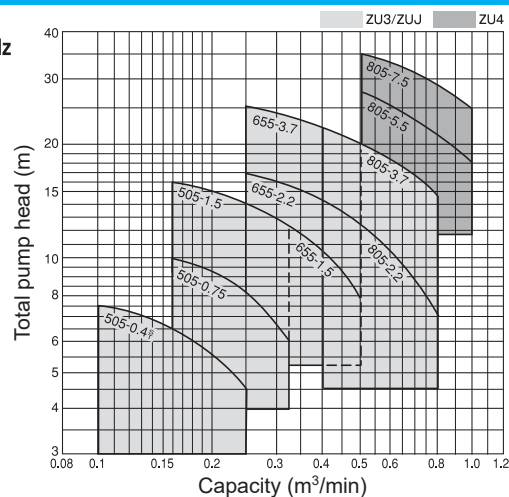
WUO(4)-LN type

ZU3/4 ZUJ/4 type

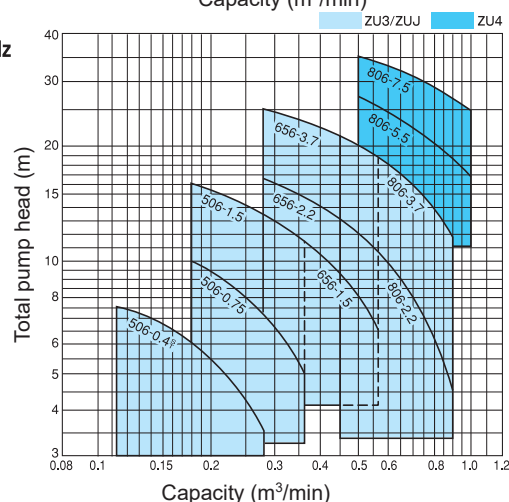
For Sewage, 2 poles

Selection

50Hz



60Hz



Application Sewage and wastewater with solids

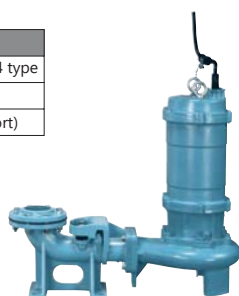
- Features**
- ① The S-shaped impellers provides excellent ability to pass foreign objects.
 - ② The pump is free from forming air pocket behind impeller.
 - ③ Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - ④ ZUJ type is equipped with a pedestal support for easy maintenance and inspection.
 - ⑤ Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

Types

Operation method	Model
Non-automatic	ZU3 type, ZUJ type (with pedestal support), ZU4 type
Automatic	ZU3-L type, ZUJ-L type (with pedestal support)
Auto alternate	ZU3-LN type, ZUJ-LN type (with pedestal support)

Ability to pass foreign objects

Bore (mm)	Diameter of foreign objects (sphere) (mm)	Size of cloth (mm)
50	35	200×200
65	35	300×300
80	40	300×450



ZU4 type (Pedestal support type)
Floor mount is also available.



ZU3 type



ZU3-L type



ZU3-LN type



ZUJ type※

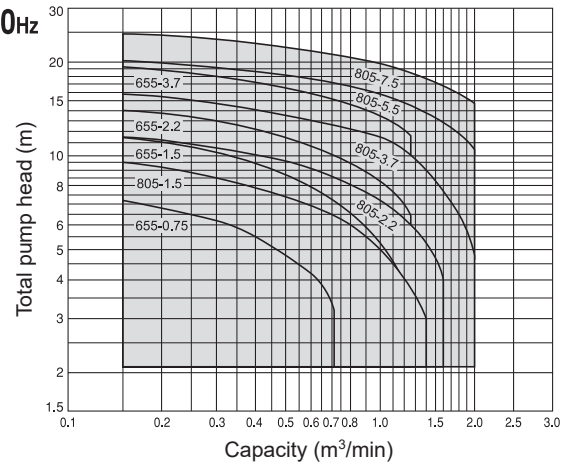
※ L and -LN types are also available with a float switch.

BUW type

For Sewage, 4 poles

Selection

50Hz



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

- Features**
- ① 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).
 - ② The closed-type, high-efficiency, non-clog impeller (patent pending) and our original casing structure provide high pumping performance with high efficiency.
 - ③ Uses highly corrosion proof stainless steel for the impeller.
 - ④ Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - ⑤ Two types available: floor mount 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



High efficiency & 100% size of the bore object passage



Floor mount

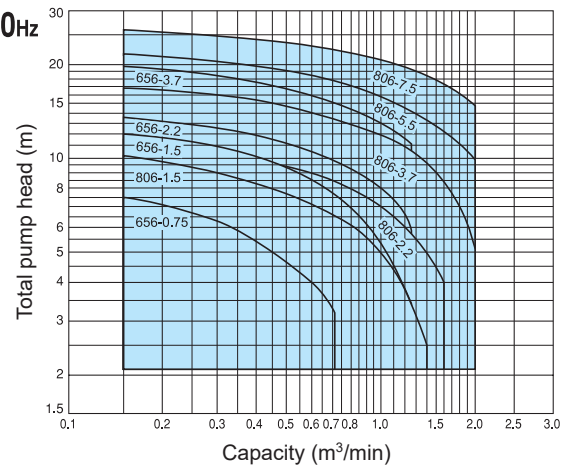


Pedestal support type



Impeller

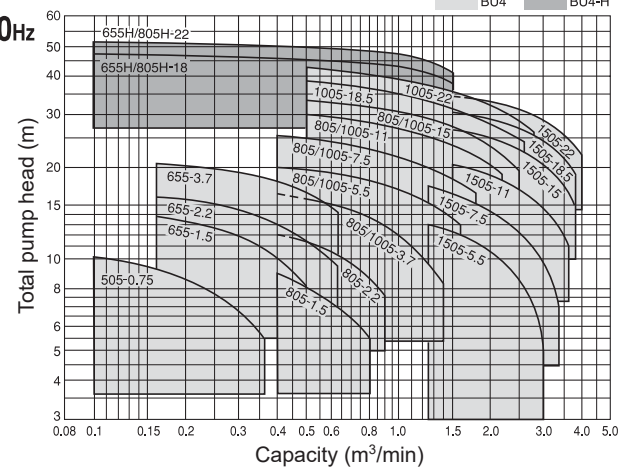
60Hz

**BU4 type**

For Sewage, 4 poles

Selection

50Hz



Application For discharge of sewage and wastewater

- Features**
- ① The closed-type non-clog impeller and our original casing structure (patented) provide high pumping performance.
 - ② 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.
 - ③ Two types available: floor mount and pedestal support type for easy maintenance and inspection.
 - ④ Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).
 - ⑤ High pressure model BU4-H type is also available.

Types

Operation method	Model
Non-automatic	BU4 type
Automatic	BU4-L type
Auto alternate	BU4-LN type

Ability to pass foreign object

Bore (mm)	Diameter of foreign objects (sphere) (mm)	Size of cloth (mm)
50	35	300×300
65	35	300×450
80	53	1.5kW : 300×450 2.2~3.7kW : 300×900 5.5~22kW : 200×300 ※
100	53	
150	53	

※ With restart.



BU4 type



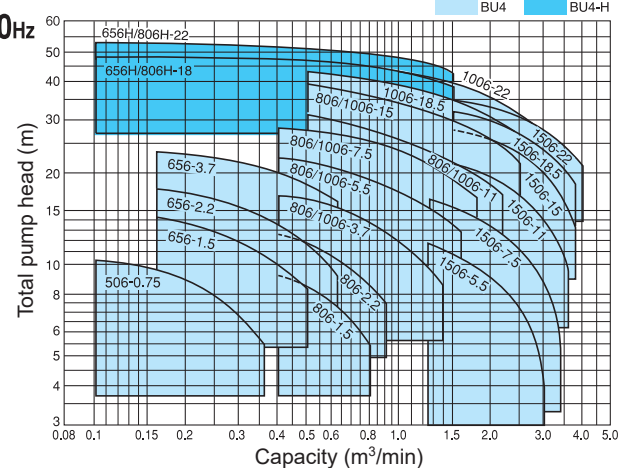
BU4-L type



BU4-LN type

BU4 type
(Pedestal support type)

60Hz



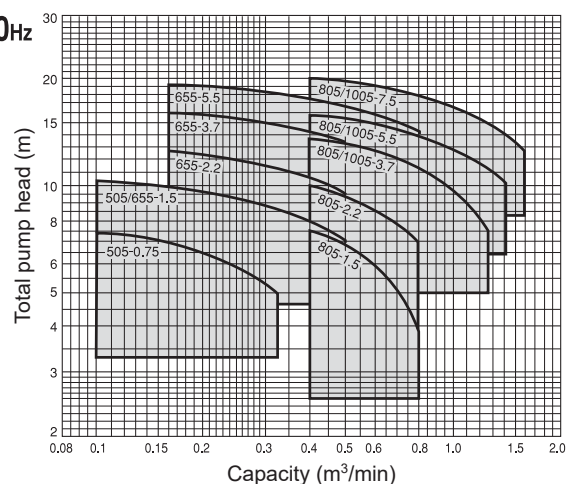
Vortex with cutter

AU4 type

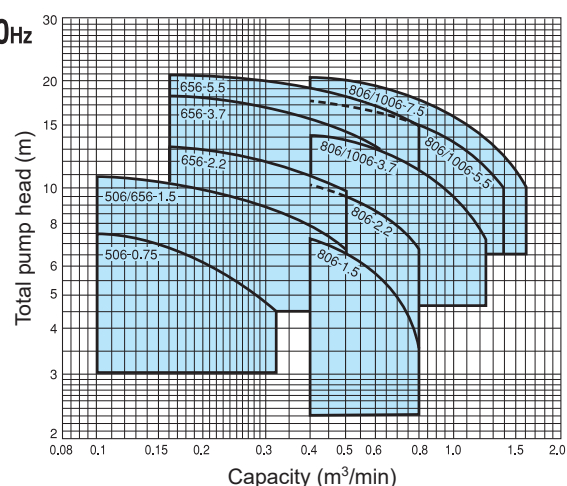
For Sewage, 4 poles

Selection

50Hz



60Hz



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

- Features**
- ① The ceramic-coated cutter piece help maintain long service life with excellent performance.
 - ② Original suction configuration (patented) and casing structure.
 - ③ Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - ④ Two types available: floor mount and pedestal support type for easy maintenance and inspection.
 - ⑤ Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

Types

Operation method	Model
Non-automatic	AU4 type
Automatic	AU4-L type
Auto alternate	AU4-LN type

Ability to pass foreign objects

Bore (mm)	Solid object (sphere diameter (mm))	Cuttable cloth
50	17	0.75kW: Panty hose 1.5kW: Towel (300x450mm) 2.2kW and above: Towel (300x900mm)
65	17	
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	



AU4 type



AU4-L type



AU4-LN type



AU4 type
(Pedestal support type)

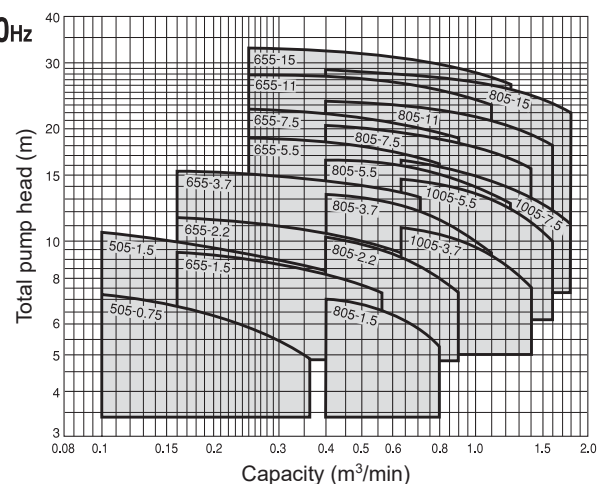
Vortex type

VU4 type

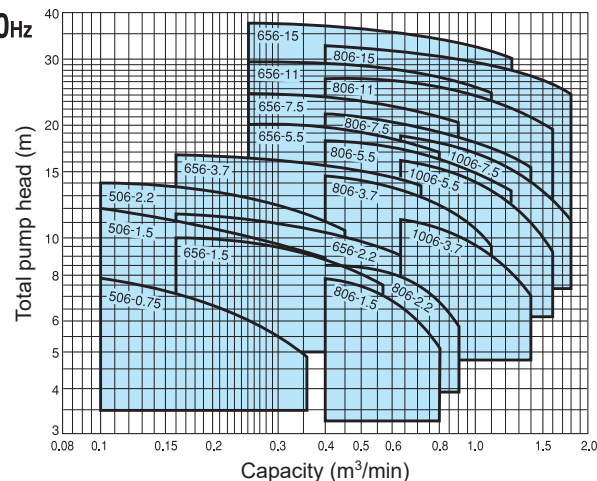
For Sewage, 4 poles

Selection

50Hz



60Hz



Application For discharge of sewage and wastewater

- Features**
- ① Excellent ability to pass foreign objects without entangling. (Can discharge spherical solids with a diameter which equals to the bore size.)
 - ② Our original casing structure (patented) provides excellent pumping performance.
 - ③ Equipped with a motor with built-in auto-cut (7.5kW or less) to prevent motor burnout.
 - ④ Motor with output of 11kW or above can detect abnormal temperature rise of the motor coil as an external signal.
 - ⑤ Two types available: floor mount 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

Operation method	Model
Non-automatic	VU4 type
Automatic	VU4-L type
Auto alternate	VU4-LN type

Ability to pass foreign objects

Bore (mm)	Solid Sphere diameter (mm)	Packaging tape	Cloth Cotton gloves	Panty hose
50	50	400mm or smaller (OK with restart for 0.75kW and 50Hz, 1.5kW)	○ (OK with restart for 1.5kW or less)	○ (OK with restart for 2.2kW or less and 60Hz, 3.7kW)
65	65			
80	80			
100	100			



VU4 type



VU4-L type



VU4-LN type



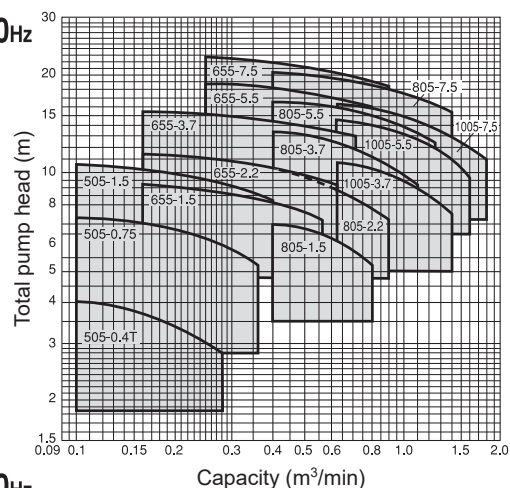
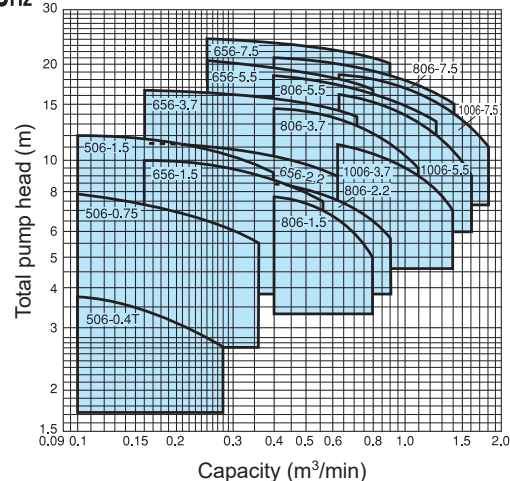
VU4 type
(Pedestal support type)

Special specification Stainless steel impeller

VUS type

For Sewage, 4 poles

Selection

50Hz**60Hz**

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

- Features**
- ① All stainless steel structure (pump, motor, pedestal support) provides corrosion proof and long life.
 - ② Excellent ability to pass foreign objects (can discharge spherical solids with a diameter which equals to the bore size) and superior pumping performance.
 - ③ Vortex type increases resistant against wearing due to sand etc., and reverts startup failure due to rusted impellers.
 - ④ Equipped with a motor with built-in auto-cut to prevent motor burnout.
 - ⑤ Two types available: floor mount and pedestal support type for easy maintenance and inspection.

Types

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

Ability to pass foreign objects

Bore (mm)	Solid Sphere diameter (mm)	Cloth Packaging tape	Cotton gloves	Panty hose
50	50	400mm or smaller	○	○
65	65	OK with restart for 0.75kW and 50Hz, 1.5kW	OK with restart for 1.5kW or less	OK with restart for 2.2kW or less and 60Hz, 3.7kW
80	80			
100	100			



VUS type



VUS-L type



VUS-LN type

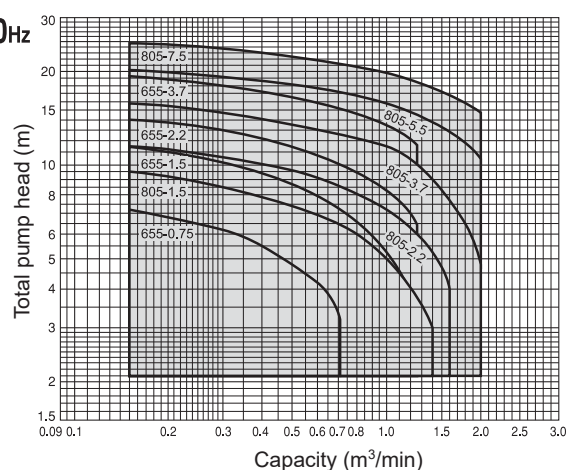
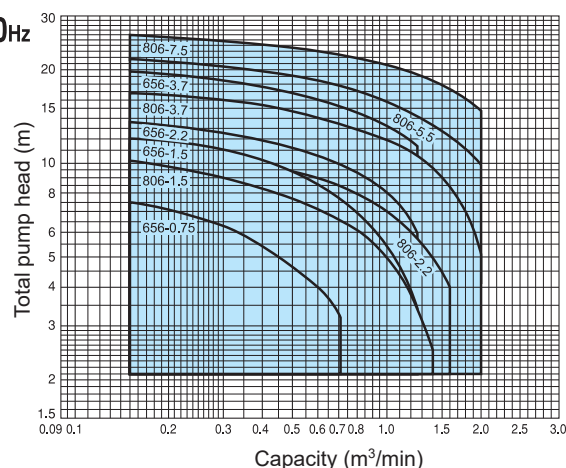
VUS type
(Pedestal support type)
Note: Guide pipes are not included.

Special specification With flood detector · Please inquire for details.

BUM type

For Manholes, 4 poles

Selection

50Hz**60Hz**

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 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).
 - ② The closed-type, high-efficiency, non-clog impeller (patent pending) and our original casing structure provide high pumping performance with high efficiency.
 - 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.
 - ④ Control panel for manhole pumps and necessary parts are also available as special accessories.

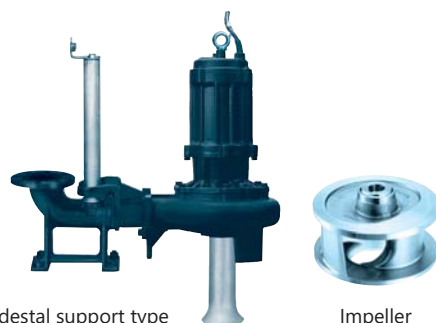
Ability to pass foreign objects

100% of the bore (sphere diameter in mm)

**Pump/manhole combination table**

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

Special specification With flood detector



Pedestal support type

Impeller

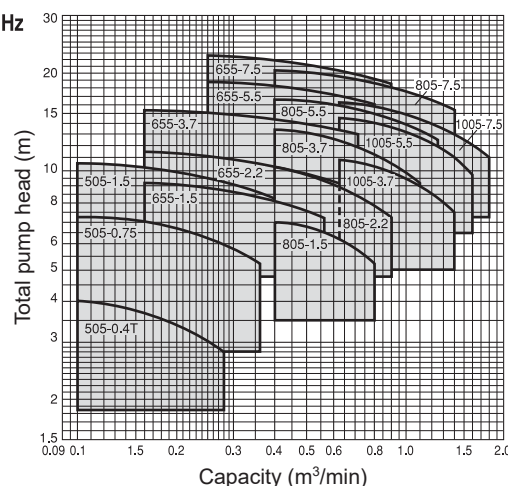
Note: Guide pipes are not included.

Stainless steel made vortex type

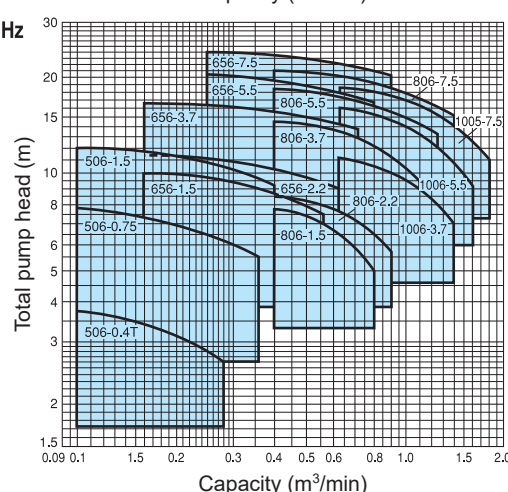
VUM type

For Manhole, 4 poles

Selection 50Hz



60Hz



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	Manhole (size)			
	Bore (mm)	Type 1 φ900	Type 2 φ1200	Type 3 φ1500
50		○	○	○
65			○	○ (3.7kW or above)
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

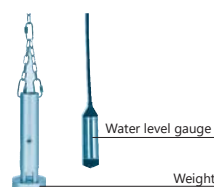
Model	ECM2-A type	ECM2-P type
Operation method	Alternate	Alternate/Parallel
Rated capacity	0.4 - 7.5kW	0.4 - 7.5kW×2
Panel display	Instruments	Voltmeter, ammeter, operation counter, operation timer (instruments other than the voltmeter are separate)
	Indicator light	Operation, stop, fault (separate) 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)



Prewirl tank



Sump check valve

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



Check valve

Ball valve (stainless steel)

Please inquire for details.

Float switch (EHF5-S type)

For backup



Special accessories

Hose Coupling (bamboo shoot shaped) Plastic

- For WUP4 type



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

Pedestal Support Plastic

- For WUP4, WUO4, 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
(For seawater model is also available)



Attachable to 2 poles manual type wastewater pump
0.75kW or less

EHFR type [Low water level control space saving model]
(Example of combination with WUP type)

Sump Check valve



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

Stainless Steel Pedestal Support



Control Panel



ECD3-P type



ECDW3-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.
- Alternate/parallel type equips ELB as standard

Type		ECD2 type (indoor)	ECDW type (outdoor)	ECD3-P type (indoor)	ECDW3-P type (outdoor)	ECDD3-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)		
	Operation indicator light	○ (Red)		○ (Red) : No1, No2 Individual indication		
	Fault indicator light	○ (Orange)		○ (Orange) : No1, No2 Individual indication		
	Reverse phase indicator light	————		○ (Orange) : For three phase 200V only		
	Abnormal water pressure indicator light	○ (Orange)		○ (Orange)		
	Pump selection indicator light	————		○ (Red) : No1, No2		
External signal (no voltage)	Ammeter	○ (Analog)		○ (Digital, with 3-digit display)		
	Operation	○ (※2)		○ (Collective)		
	Fault	○ (※3)		○ (Collective)		
	Water level	○ (※3)		○		
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- $\frac{1}{2}$ 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

DUG2/DU₄²/DUM2 type

For Construction

Application For general civil engineering and construction works, and drainage from pits, manholes, etc.

- Features**
- ① Uses semi-open impeller to avoid clogging by foreign objects.
 - ② Small size and light weight enable easy handling, maintenance and inspection.
 - ③ Equipped with a motor with built-in auto-cut to prevent motor burnout.



DUG2 type

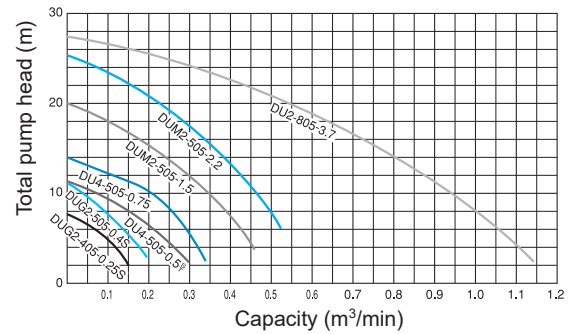
DU4 type

DUM2 type

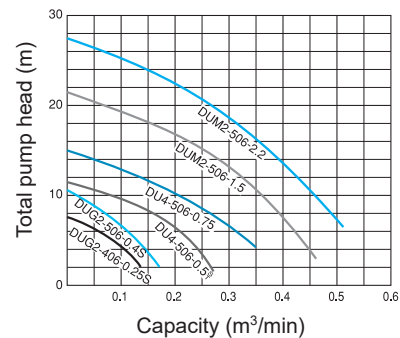
DU2 type

Selection

50Hz



60Hz



LU2 type

For Residual water

Application For drainage of bottom water from water receiving tank cleaning and residual water of various pits, pools, etc.

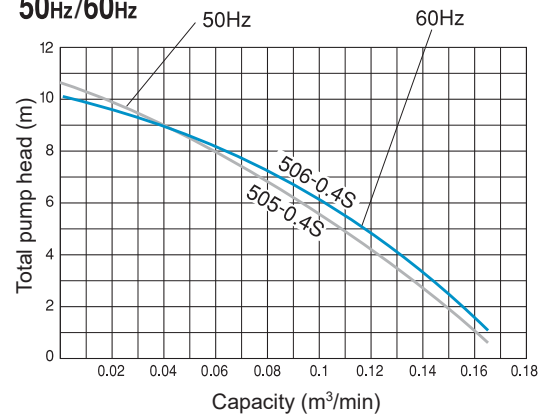
- Features**
- ① Residual water sump pump with excellent drainage performance, with the minimum pumping water level in millimeter order. (The minimum pumping water level varies depending on the bottom surface conditions. 1 - 3mm)
 - ② In-pump air separation mechanism prevents air lock and improves re-pumping performance.
 - ③ Uses aluminum frame motor to realize a light and compact design which is easy to carry. (Mass: 8.0kg)
 - ④ Equipped with a small powerful motor with built-in auto-cut to prevent motor burnout.



LU2 type

Selection

50Hz/60Hz



* DUG2/DU₄²/DUM2 type and LU2 type are portable submersible sump pump for construction and submersible sump pump for residual water. Do not use them in long continuous operation or under an installation condition where the pump is completely under water at all times. The pump may break in short time.

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

Model description(Example)

WUP4-405-0.25SL

① ② ③ ④ ⑤ ⑥

- ① Pump model
② Bore (mm)
③ Frequency (5:50Hz 6:60Hz)
④ Motor output (kW)

⑤ Power (S : Single phase supply T or no letter : Three phase)

⑥ Operation method
No letter : Non-automatic
L : Automatic
LN : Auto alternate built-in

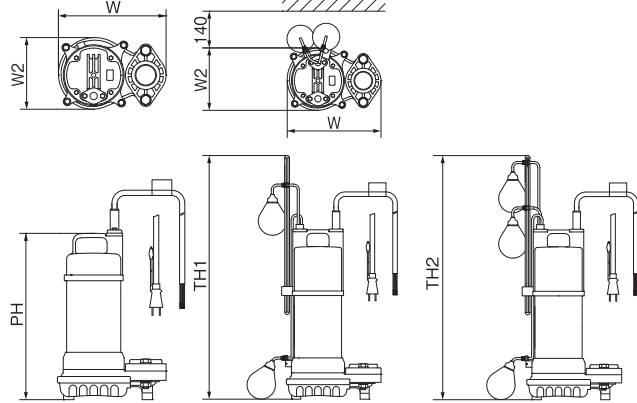
Floor mount

Reinforced glass fiber resin

Non-automatic

Automatic -L

Auto alternate -LN



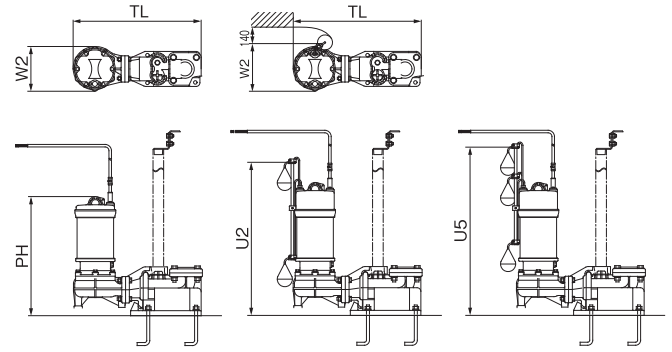
Pedestal support type

Reinforced glass fiber resin

Non-automatic

Automatic -L

Auto alternate -LN



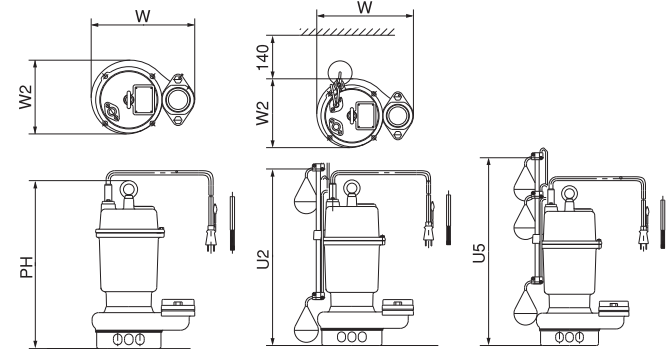
	Bore	Model	PH	TH1	TH2	TL	W2
WUO type M	50	WUO-505/6-1.5	473	—	—	512	179
	65	WUO-655/6-1.5	473	—	—	512	179
	65	WUO-655/6-2.2	540	—	—	552	216
	80	WUO-805/6-3.7	577	—	—	552	216
	80	WUO-805/6-2.2	540	—	—	552	216
WUO-L(N) type A	50	WUO-505/6-1.5L(N)G	528	630	690	512	191
	65	WUO-655/6-1.5L(N)G	528	630	690	512	191
	65	WUO-655/6-2.2L(N)G	575	776	836	552	216
	80	WUO-805/6-3.7L(N)G	612	776	836	552	216
	80	WUO-805/6-2.2L(N)G	575	776	836	552	216

Floor mount

Cast iron

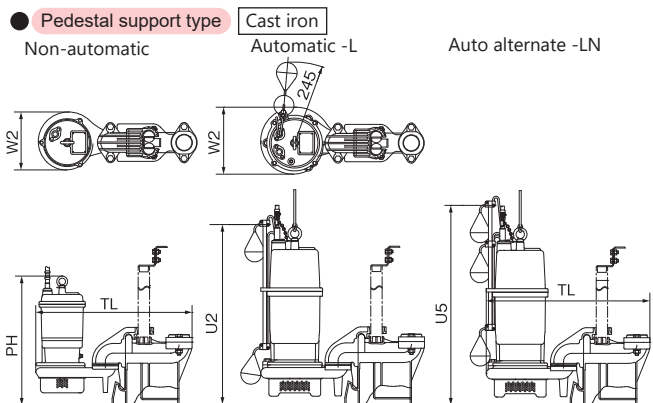
Automatic -L

Auto alternate -LN



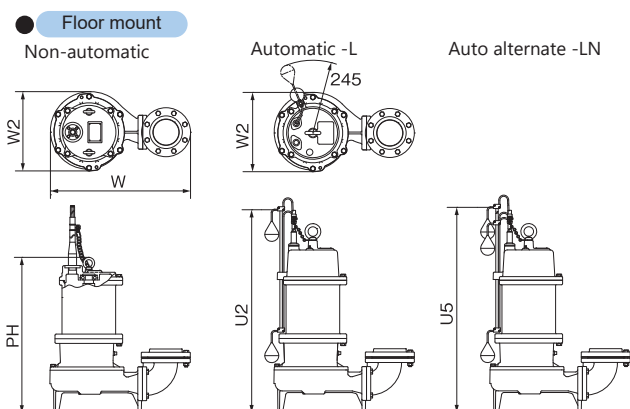
	Bore	Model	PH	U2	U5	W	W2	
YUK2 type M	40	YUK2-405/6-0.25S	387	—	—	216	158	
		YUK2-405/6-0.25T	387	—	—	216	158	
	50	YUK2-505/6-0.4S	422	—	—	242	172	
		YUK2-505/6-0.4T	387	—	—	242	172	
		YUK2-505/6-0.75	395	—	—	242	172	
YUK2-L(N) type A	40	YUK2-405/6-0.25SL(N)	422	435	485	216	158	
		YUK2-405/6-0.25TL(N)	422	435	485	216	158	
	50	YUK2-505/6-0.4SL(N)	434	450	500	242	172	
		YUK2-505/6-0.4TL(N)	422	435	485	242	172	
		YUK2-505/6-0.75L(N)	430	450	500	242	172	
SU4 type M	50	SU4-505/6-0.75	375	—	—	255	162	
		SU4-505/6-1.5	420	—	—	270	200	
		SU4-505/6-2.2	550	—	—	372	234	
		SU4-505/6-3.7	550	—	—	372	234	
		SU4-505/6-5.5	604	—	—	509	284	
SU4-L(N) type A	50	SU4-505/6-7.5	604	—	—	509	284	
		SU4-505/6-0.75L(N)	420	500	560	255	162	
		SU4-505/6-1.5L(N)	480	515	575	270	200	
		SU4-505/6-2.2L(N)	605	680	750	372	234	
		SU4-505/6-3.7L(N)	605	680	750	372	234	
ZU3 type M	50	ZU3-505/6-0.4S	456	—	—	249	181	
		ZU3-505/6-0.4T	394	—	—	249	181	
		ZU3-505/6-0.75	397	—	—	254	190	
		ZU3-505/6-1.5	446	—	—	301	222	
		ZU3-655/6-1.5	446	—	—	301	222	
	65	ZU3-655/6-2.2	592	—	—	352	268	
		ZU3-655/6-3.7	592	—	—	352	268	
		ZU3-805/6-2.2	592	—	—	352	268	
	80	ZU3-805/6-3.7	592	—	—	352	268	
		ZU3-805/6-5.5	657	—	—	446	295	
		ZU3-805/6-7.5	657	—	—	446	295	
	ZU3-L(N) type A	50	ZU3-505/6-0.4SL(N)	456	510	570	249	181
			ZU3-505/6-0.4TL(N)	456	510	570	249	181
ZU3-505/6-0.75L(N)			442	510	570	254	190	
ZU3-505/6-1.5L(N)			506	540	600	301	222	
ZU3-655/6-1.5L(N)			506	540	600	301	222	
65		ZU3-655/6-2.2L(N)	647	720	790	352	268	
		ZU3-655/6-3.7L(N)	647	720	790	352	268	
80		ZU3-805/6-2.2L(N)	647	720	790	352	268	
		ZU3-805/6-3.7L(N)	647	720	790	352	268	

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



	Bore	Model	PH	U2	U5	TL	W2
SU4 type M	50	SU4-505/6-0.75	403	—	—	477	162
		SU4-505/6-1.5	443	—	—	489	200
		SU4-505/6-2.2	585	—	—	585	234
		SU4-505/6-3.7	585	—	—	585	234
SU4-L(N) type A	50	SU4-505/6-0.75L(N)	448	528	588	477	162
		SU4-505/6-1.5L(N)	503	528	599	489	200
		SU4-505/6-2.2L(N)	640	715	785	585	234
		SU4-505/6-3.7L(N)	640	715	785	585	234
ZUJ type M	50	ZUJ-505/6-0.4S	496	—	—	493	181
		ZUJ-505/6-0.4T	434	—	—	493	181
		ZUJ-505/6-0.75	437	—	—	518	190
	65	ZUJ-505/6-1.5	497	—	—	624	222
		ZUJ-655/6-1.5	497	—	—	624	222
		ZUJ-655/6-2.2	660	—	—	722	268
	80	ZUJ-655/6-3.7	660	—	—	722	268
		ZUJ-805/6-2.2	660	—	—	722	268
		ZUJ-805/6-3.7	660	—	—	722	268
		ZUJ-805/6-5.5	693	—	—	751	317
ZUJ-L(N) type A	50	ZUJ-505/6-0.4SL(N)	496	550	610	493	181
		ZUJ-505/6-0.4TL(N)	496	550	610	493	181
		ZUJ-505/6-0.75L(N)	482	550	610	518	190
	65	ZUJ-505/6-1.5L(N)	557	590	650	624	222
		ZUJ-655/6-1.5L(N)	557	590	650	624	222
		ZUJ-655/6-2.2L(N)	715	790	860	722	268
	80	ZUJ-655/6-3.7L(N)	715	790	860	722	268
		ZUJ-805/6-2.2L(N)	715	790	860	722	268
		ZUJ-805/6-3.7L(N)	715	790	860	722	268
		ZUJ-805/6-5.5L(N)	715	790	860	722	268

M : Manual operation U2 : (Pump activation water level)
A : Automatic (Alternate) operation U5 : (Parallel operation activation)
For model ZU4-80-5.5/7.5, refer to P.14.



Cast iron

	Bore	Model	PH	U2	U5	W	W2
ZU4 type M	80	ZU4-805/6-5.5	669	—	—	523	294
		ZU4-805/6-7.5	669	—	—	523	294
AU4 type M	50	AU4-505/6-0.75	484	—	—	379	232
		AU4-505/6-1.5	535	—	—	423	242
	65	AU4-655/6-1.5	535	—	—	433	242
		AU4-655/6-2.2	624	—	—	460	266
		AU4-655/6-3.7	634/624	—	—	526/460	309/266
	80	AU4-655/6-5.5	658	—	—	526	309
		AU4-805/6-1.5	557/562	—	—	464/432	264/237
		AU4-805/6-2.2	636	—	—	464/432	264/237
		AU4-805/6-3.7	656	—	—	546	300
	100	AU4-805/6-5.5	680	—	—	589/546	339/300
AU4-L(N) type A	50	AU4-505/6-0.75L(N)	534	603	663	379	232
		AU4-505/6-1.5L(N)	585	614	674	423	242
	65	AU4-655/6-1.5L(N)	585	614	674	433	242
		AU4-655/6-2.2L(N)	679	758	828	460	266
		AU4-655/6-3.7L(N)	689/679	768/758	838/828	526/460	309/266
	80	AU4-805/6-1.5L(N)	607/612	636	706	464/431	264/237
		AU4-805/6-2.2L(N)	691	786	856	464/431	264/237
		AU4-805/6-3.7L(N)	711	806	846	546	300
		AU4-1005/6-3.7L(N)	711	806	846	558	300
	100	AU4-1005/6-3.7L(N)	711	806	846	558	300

M : Manual operation U2 : (Pump activation water level)
A : Automatic (Alternate) operation U5 : (Parallel operation activation)

	Bore	Model	PH	U2	U5	W	W2
BU4 type M	50	BU4-505/6-0.75	499	—	—	401	242
		BU4-655/6-1.5	549	—	—	470	273
	65	BU4-655/6-2.2	633	—	—	537/502	323/304
		BU4-655/6-3.7	633	—	—	537/502	323/304
	80	BU4-805/6-1.5	574	—	—	501/466	289/259
		BU4-805/6-2.2	653	—	—	501/466	289/259
		BU4-805/6-3.7	663	—	—	572	332
		BU4-805/6-5.5	687	—	—	603	358
		BU4-805/6-7.5	687	—	—	603	358
		BU4-805/6-11	760	—	—	675	420
		BU4-805/6-15	810	—	—	675	420
	100	BU4-1005/6-3.7	663	—	—	584	332
		BU4-1005/6-5.5	687	—	—	616	358
		BU4-1005/6-7.5	687	—	—	616	358
		BU4-1005/6-11	760	—	—	689	420
		BU4-1005/6-15	810	—	—	689	420
		BU4-1005/6-18.5	879	—	—	738/689	453/420
		BU4-1005/6-22	879	—	—	738/689	453/420
	150	BU4-1505/6-5.5	722	—	—	698	366
		BU4-1505/6-7.5	722	—	—	698	366
		BU4-1505/6-11	765	—	—	747	421
		BU4-1505/6-15	815	—	—	747	421
		BU4-1505/6-18.5	884	—	—	790/747	457/421
		BU4-1505/6-22	884	—	—	790/747	457/421
		BU4-655/6-18H	897	—	—	725	481
BU4-H type M	65	BU4-655/6-22H	897	—	—	725	481
	80	BU4-805/6-18H	897	—	—	725	481
BU4-L(N) type A	50	BU4-505/6-0.75L(N)	549	618	678	401	242
		BU4-655/6-1.5L(N)	599	628	688	470	273
	65	BU4-655/6-2.2L(N)	688	767	837	537/502	323/304
		BU4-655/6-3.7L(N)	688	767	837	537/502	323/304
	80	BU4-805/6-1.5L(N)	624	653	713	501/466	289/259
		BU4-805/6-2.2L(N)	708	787	857	501/466	289/259
		BU4-805/6-3.7L(N)	718	797	867	572	332
	100	BU4-1005/6-3.7L(N)	718	797	867	584	332
		BUW655/6-0.75	602	—	—	454	237
BUW type M	65	BUW655/6-1.5	634	—	—	506	290
		BUW655/6-2.2	708	—	—	560	344
	80	BUW655/6-3.7	708	—	—	560	344
		BUW805/6-1.5	672	—	—	520	256
		BUW805/6-2.2	746	—	—	583	312
		BUW805/6-3.7	746	—	—	583	312
	100	BUW805/6-5.5	771	—	—	642	379
		BUW805/6-7.5	771	—	—	642	379
		VU4-505/6-0.75	513	—	—	377	232
		VU4-505/6-1.5	553	—	—	416	262
VU4 type M	50	VU4-506-2.2	632	—	—	416	262
		VU4-655/6-1.5	590	—	—	456/423	262/232
	65	VU4-655/6-2.2	669	—	—	456/423	262/232
		VU4-655/6-3.7	669	—	—	500	303
		VU4-655/6-5.5	693	—	—	547/500	335/303
		VU4-655/6-7.5	693	—	—	547	335
	80	VU4-655/6-11	755	—	—	591	386
		VU4-655/6-15	805	—	—	591	386
		VU4-805/6-1.5	619	—	—	452	232
		VU4-805/6-2.2	698	—	—	495/452	267/232
VU4-L(N) type A	50	VU4-805/6-3.7	698	—	—	495	267
		VU4-805/6-5.5	722	—	—	551	304
	80	VU4-805/6-7.5	722	—	—	589/551	336/304
		VU4-805/6-11	770/769	—	—	618/589	384/336
		VU4-805/6-15	820	—	—	618	384
	100	VU4-1005/6-3.7	735	—	—	527	267
		VU4-1005/6-5.5	761	—	—	570	311
		VU4-1005/6-7.5	761	—	—	570	311
	150	VU4-505/6-0.75L(N)	563	632	692	377	232
		VU4-505/6-1.5L(N)	603	632	692	416	262
		VU4-506-2.2L(N)	687	632	683	416	262
		VU4-655/6-1.5L(N)	640	669	729	456/423	262/232
		VU4-655/6-2.2L(N)	724	803	873	456/423	262/232
		VU4-655/6-3.7L(N)	724	803	873	500	303
		VU4-805/6-1.5L(N)	669	698	758	452	232
		VU4-805/6-2.2L(N)	753	832	902	495/452	267/232
		VU4-805/6-3.7L(N)	753	832	902	495	267
	100	VU4-1005/6-3.7L(N)	790	869	939	527	267

Stainless steel

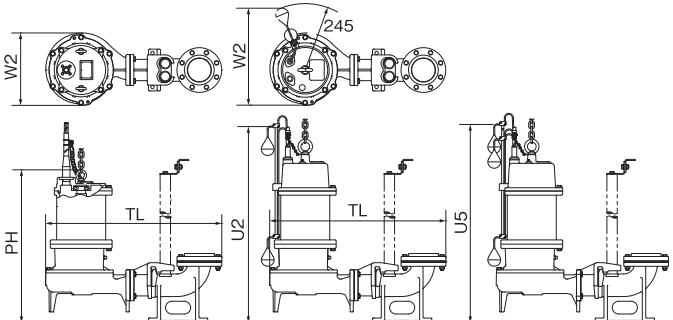
	Bore	Model	PH	U2	U5	W	W2
VUS type M	50	VUS-505/6-0.4T	503	—	—	377	232
		VUS-505/6-0.75	503	—	—	377	232
		VUS-505/6-1.5	543	—	—	416	262
	65	VUS-655/6-1.5	580	—	—	456/423	262/232
		VUS-655/6-2.2	669	—	—	456/423	262/232
		VUS-655/6-3.7	669	—	—	500	302
		VUS-655/6-5.5	681	—	—	548/500	332/296
	VUS-655/6-7.5	681	—	—	548	332	
	80	VUS-805/6-1.5	617	—	—	451	232
		VUS-805/6-2.2	698	—	—	495/451	267/232
		VUS-805/6-3.7	698	—	—	495	267
		VUS-805/6-5.5	710	—	—	551	304
	VUS-805/6-7.5	710	—	—	589/551	336/304	
	100	VUS-1005/6-3.7	737	—	—	527	266
		VUS-1005/6-5.5	749	—	—	570	311
VUS-1005/6-7.5		749	—	—	570	311	
VUS-L(N) type A	50	VUS-505/6-0.4TL(N)	563	632	692	377	232
		VUS-505/6-0.75L(N)	563	632	692	377	232
		VUS-505/6-1.5L(N)	603	632	692	416	262
	65	VUS-655/6-1.5L(N)	638	669	729	456/423	262/232
		VUS-655/6-2.2L(N)	724	803	873	456/423	262/232
		VUS-655/6-3.7L(N)	724	803	873	500	302
	80	VUS-805/6-1.5L(N)	667	698	758	451	232
		VUS-805/6-2.2L(N)	753	832	902	495/451	267/232
		VUS-805/6-3.7L(N)	753	832	902	495	267
	100	VUS-1005/6-3.7L(N)	792/793	869	939	526/527	266

● Pedestal support type

Non-automatic

Automatic -L

Auto alternate -LN



Cast iron

	Bore	Model	PH	U2	U5	TL	W2		
ZU4 type M	80	ZU4-805/6-5.5	705	—	—	743	294		
		ZU4-805/6-7.5	705	—	—	743	294		
AU4 type M	50	AU4-505/6-0.75	512	—	—	574	232		
		AU4-505/6-1.5	567	—	—	623	242		
	65	AU4-655/6-1.5	567	—	—	633	242		
		AU4-655/6-2.2	676	—	—	680	266		
		AU4-655/6-3.7	681/676	—	—	746/680	309/266		
		AU4-655/6-5.5	705	—	—	746	309		
	80	AU4-805/6-1.5	602/607	—	—	684/652	264/237		
		AU4-805/6-2.2	681	—	—	684/652	264/237		
		AU4-805/6-3.7	706	—	—	761	300		
		AU4-805/6-5.5	730	—	—	804/761	339/300		
	100	AU4-805/6-7.5	730	—	—	804	339		
		AU4-1005/6-3.7	706	—	—	773	300		
		AU4-1005/6-5.5	730	—	—	816/773	339/300		
		AU4-1005/6-7.5	730	—	—	816	339		
	AU4-L(N) type A	50	AU4-505/6-0.75L(N)	562	631	691	574	232	
			AU4-505/6-1.5L(N)	617	646	706	623	242	
65		AU4-655/6-1.5L(N)	617	646	706	633	242		
		AU4-655/6-2.2L(N)	731	810	880	680	266		
80		AU4-655/6-3.7L(N)	731	815/810	885/880	746/680	309/266		
		AU4-805/6-1.5L(N)	652/657	681	751	684/651	264/237		
		AU4-805/6-2.2L(N)	736	831	901	684/651	264/237		
		AU4-805/6-3.7L(N)	761	856	926	761	300		
100		AU4-1005/6-3.7L(N)	761	856	926	773	300		
BU4 type M		50	BU4-505/6-0.75	514	—	—	596	242	
	BU4-655/6-1.5		569	—	—	670	273		
	65	BU4-655/6-2.2	672	—	—	757/722	323/304		
		BU4-655/6-3.7	672	—	—	757/722	323/304		
		BU4-805/6-1.5	602	—	—	721/684	289/259		
		BU4-805/6-2.2	681	—	—	721/684	289/259		
	80	BU4-805/6-3.7	706	—	—	787	332		
		BU4-805/6-5.5	730	—	—	818	358		
		BU4-805/6-7.5	730	—	—	818	358		
		BU4-805/6-11	773	—	—	900	420		
	100	BU4-805/6-15	848	—	—	940	420		
		BU4-1005/6-3.7	706	—	—	799	332		
		BU4-1005/6-5.5	730	—	—	831	358		
		BU4-1005/6-7.5	730	—	—	831	358		
		BU4-1005/6-11	773	—	—	912	420		
		BU4-1005/6-15	848	—	—	952	420		
		BU4-1005/6-18.5	917	—	—	998/952	453/420		
		BU4-1005/6-22	917	—	—	998/952	453/420		
	150	BU4-1505/6-5.5	799	—	—	968	366		
		BU4-1505/6-7.5	799	—	—	968	366		
		BU4-1505/6-11	842	—	—	1017	421		
		BU4-1505/6-15	892	—	—	1017	421		
		BU4-1505/6-18.5	961	—	—	1060/1017	457/421		
		BU4-1505/6-22	961	—	—	1060/1017	457/421		
		BU4-H type M	65	BU4-655/6-18H	935	—	—	990	481
				BU4-655/6-22H	935	—	—	990	481
	80		BU4-805/6-18H	935	—	—	990	481	
			BU4-805/6-22H	935	—	—	990	481	
BU4-L(N) type A	50	BU4-505/6-0.75L(N)	564	633	693	596	242		
		BU4-655/6-1.5L(N)	619	648	708	670	273		
	65	BU4-655/6-2.2L(N)	727	806	876	757/722	323/304		
		BU4-655/6-3.7L(N)	727	806	876	757/722	323/304		
	80	BU4-805/6-1.5L(N)	624/652	681	891	721/686	289/259		
		BU4-805/6-2.2L(N)	708/736	815	885	721/686	289/259		
	100	BU4-805/6-3.7L(N)	718/761	840	910	787	332		
		BU4-1005/6-3.7L(N)	718/761	840	910	799	332		
BUW type M	65	BUW655/6-0.75	626	—	—	674	237		
		BUW655/6-1.5	655	—	—	726	290		
		BUW655/6-2.2	720	—	—	780	344		
		BUW655/6-3.7	720	—	—	780	344		
	80	BUW805/6-1.5	698.5	—	—	735	256		
		BUW805/6-2.2	764	—	—	798	312		
		BUW805/6-3.7	764	—	—	798	312		
		BUW805/6-5.5	788	—	—	857	379		
		BUW805/6-7.5	788	—	—	857	379		

M : Manual operation
A : Automatic (Alternate) operation

U2 : (Pump activation water level)
U5 : (Parallel operation activation)

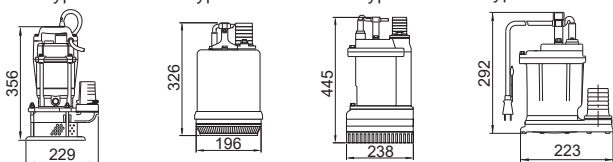
● For construction

DUG2 type

DU4 type

DUM2 type

LU2 type



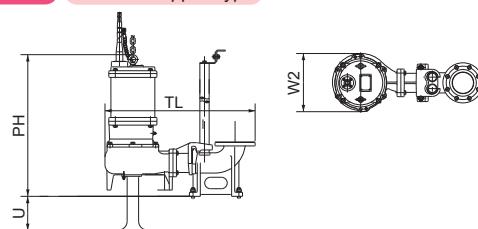
	Bore	Model	PH	U2	U5	TL	W2
VU4 type M	50	VU4-505/6-0.75	590	—	—	577	232
		VU4-505/6-1.5	590	—	—	616	262
		VU4-506-2.2	590	—	—	616	262
	65	VU4-655/6-1.5	620	—	—	676/643	262/232
		VU4-655/6-2.2	699	—	—	676/643	262/232
		VU4-655/6-3.7	699	—	—	720	303
		VU4-655/6-5.5	723	—	—	767/720	335/303
		VU4-655/6-7.5	723	—	—	767	335
		VU4-655/6-11	795	—	—	811	386
	80	VU4-655/6-15	845	—	—	811	386
		VU4-805/6-1.5	652	—	—	667	232
		VU4-805/6-2.2	731	—	—	710/667	267/232
		VU4-805/6-3.7	731	—	—	710	267
		VU4-805/6-5.5	755	—	—	766	304
		VU4-805/6-7.5	755	—	—	804/766	336/304
VU4-L(N) type A	50	VU4-805/6-11	802	—	—	833/804	384/336
		VU4-805/6-15	852	—	—	833	384
		VU4-1005/6-3.7	766	—	—	792	267
	65	VU4-1005/6-5.5	790	—	—	835	311
		VU4-1005/6-7.5	790	—	—	835	311
		VU4-505/6-0.75L(N)	590	659	719	577	232
	80	VU4-505/6-1.5L(N)	630	659	719	616	262
		VU4-506-2.2L(N)	714	820	890	616	262
		VU4-655/6-1.5L(N)	670	698	758	676/643	262/232
	100	VU4-655/6-2.2L(N)	754	832	902	676/643	262/232
		VU4-655/6-3.7L(N)	754	832	902	720	303
		VU4-805/6-1.5L(N)	702	731	791	667	232

Stainless steel

	Bore	Model	PH	U2	U5	TL	W2
VUS type M	50	VUS-505/6-0.4T	530	—	—	577	232
		VUS-505/6-0.75	530	—	—	577	232
		VUS-505/6-1.5	570	—	—	615	262
	65	VUS-655/6-1.5	609	—	—	676/642	262/232
		VUS-655/6-2.2	698	—	—	676/642	262/232
		VUS-655/6-3.7	698	—	—	718	302
	80	VUS-655/6-5.5	710	—	—	767/718	332/296
		VUS-655/6-7.5	710	—	—	767	332
		VUS-805/6-1.5	643	—	—	666	232
	100	VUS-805/6-2.2	731	—	—	711/666	267/232
		VUS-805/6-3.7	731	—	—	711	267
		VUS-805/6-5.5	743	—	—	766	304
VUS-L(N) type A	50	VUS-805/6-7.5	743	—	—	804/766	336/304
		VUS-1005/6-3.7	766	—	—	791	266
		VUS-1005/6-5.5	778	—	—	835	311
	65	VUS-1005/6-7.5	778	—	—	835	311
		VUS-505/6-0.4TL(N)	590	659	719	577	232
		VUS-505/6-0.75L(N)	590	659	719	577	232
	80	VUS-505/6-1.5L(N)	630	659	719	615	262
		VUS-655/6-1.5L(N)	669	698	758	676/642	262/232
		VUS-655/6-2.2L(N)	753	832	902	676/642	262/232
	100	VUS-655/6-3.7L(N)	753	832	902	718	302
		VUS-805/6-1.5L(N)	700	731	791	666	232
		VUS-805/6-2.2L(N)	786	865	935	711/666	267/232

M : Manual operation
A : Automatic (Alternate) operation

● For manholes Pedestal support type



	Bore	Model	PH	U	TL	W2
BUM type	65	BUM655/6-0.75	617	325	674	237
		BUM655/6-1.5	646	305	726	290
		BUM655/6-2.2	720	305	780	344
		BUM655/6-3.7	720	305	780	344
		BUM805/6-1.5	689	305	735	256
	80	BUM805/6-2.2	764	305	798	312
		BUM805/6-3.7	764	305	798	312
		BUM805/6-5.5	788	206.5	857	379
		BUM805/6-7.5	788	206.5	857	379
		50	VUM-505/6-0.4T	530	248	577
VUM-505/6-0.75	530		248	577	232	
VUM-505/6-1.5	570		248	615	262	
VUM type	65		VUM-655/6-1.5	609	231	676/642
		VUM-655/6-2.2	698	231	676/642	262/232
		VUM-655/6-3.7	698	231	718	302
		VUM-655/6-5.5	710	231	767/718	332/296
		VUM-655/6-7.5	710	231	767	332
	80	VUM-805/6-1.5	643	192	666	232
		VUM-805/6-2.2	731	192	711/666	267/232
		VUM-805/6-3.7	731	192	711	267
		VUM-805/6-5.5	743	192	766	304
		VUM-805/6-7.5	743	192	804/766	336/304
100	VUM-1005/6-3.7	766	176	791	266	
	VUM-1005/6-5.5	778	176	835	311	
	VUM-1005/6-7.5	778	176	835	311	



Comfort Earth®

To reduce the environmental burden and protect the environment, we at KAWAMOTO PUMP will keep on carrying out activities as a united force under our slogan "Comfort Earth", as a company involved with the valuable resource that is "water".



Kawamoto products with this mark are products with excellent energy-saving and environmentally friendly features.

⚠ Important Safety Precautions

Always read the manual thoroughly and fully comprehend the contents for safe operation before starting use. Precautions for using products safely and for preventing personal injuries or physical damage are given in the manual.

- Matters falling under the following may not be covered by the warranty: uses out of the specified scope of application, failure to comply with precautions, improper repairs and alterations, matters arising from natural disasters, matters arising from the installation environment (improper power source, foreign objects, sand etc.), non-compliance with laws and regulations or standards pertaining thereto, accidental or intentional damage or injury, replacement of consumable parts, defects due to resale, etc.
- Do not use the product for applications out of the product specifications. Doing so may cause electric shock, fire, water leakage, etc.
- Have spare equipment ready when using pumps for equipment for living things (fish farms, fish tanks, aquariums, etc.) or critical equipment.
- Pump failure may cause lack of oxygen and water quality deterioration, and may affect the lives of the living things.
When using pumps for equipment for living things (fish farms, fish tanks, aquariums, etc.), do not install the pump in the tank where the living things are put into. The current leakage or sealing liquid leak from the mechanical seal may cause the death of the living things.
- If used to transport food-related items, give due consideration to the materials used. Contamination by foreign objects may occur.
- Avoid using for living things which disagrees with copper alloy. It may affect the lives of the living things.
- Select a product which is appropriate for your application. Inappropriate use of products may cause accidents.
- Conduct construction in accordance with the applicable laws and regulations (the Technical Standards of Electric Installation, interior wiring regulation, Building Standards Act, Water Supply Law, etc.). Not only does it violate the laws and regulations, but it also may cause injuries due to electric shock, fire, falling and tipping over.
- Do not use in places where people are assumed to get in contact with the product (baths, pools, lakes, etc.). Electric leak may occur and cause electric shock.
- Depending on the equipment, attach a filter etc. appropriate for your application on the discharge side before use, perform thorough flushing to check that there is no contamination. Cutting oil, rubber mold releasing agent, foreign objects etc. from the manufacturing line and cutting oil, foreign objects etc. from the pipeline may contaminate the liquid which is to be handled.
- Do not operate pumps with a specification of 50Hz at 60Hz. It may cause damage due to overpressure or burn damage of motors etc. due to overload. Do not operate pumps with a specification of 60Hz at 50Hz. Pump performance may be reduced.
- Only repair technicians may disassemble, repair, modify the product or replace cables. Defects may cause failure, damage, electrification or fire.
- It is recommended that both periodic and daily inspections be performed in order to ensure that the pump will operate reliably for as long as possible. Failure to perform inspections may lead to pump failure, accidents etc. For periodic inspections, please consult your distributor or our nearest sales office.

Specifications/configurations may be altered as a result of improvements and such. Unauthorized reproduction of this document is prohibited.

Distributor

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E-mail: kawamotobo@kawamoto-oms.com
<https://www.kawamoto-global.com/>

For any question about pumps, please contact your nearest distributor

Name	Submersible Sump Pump
No.	3710 Y (E)