

# **Submersible Sump Pump Series**

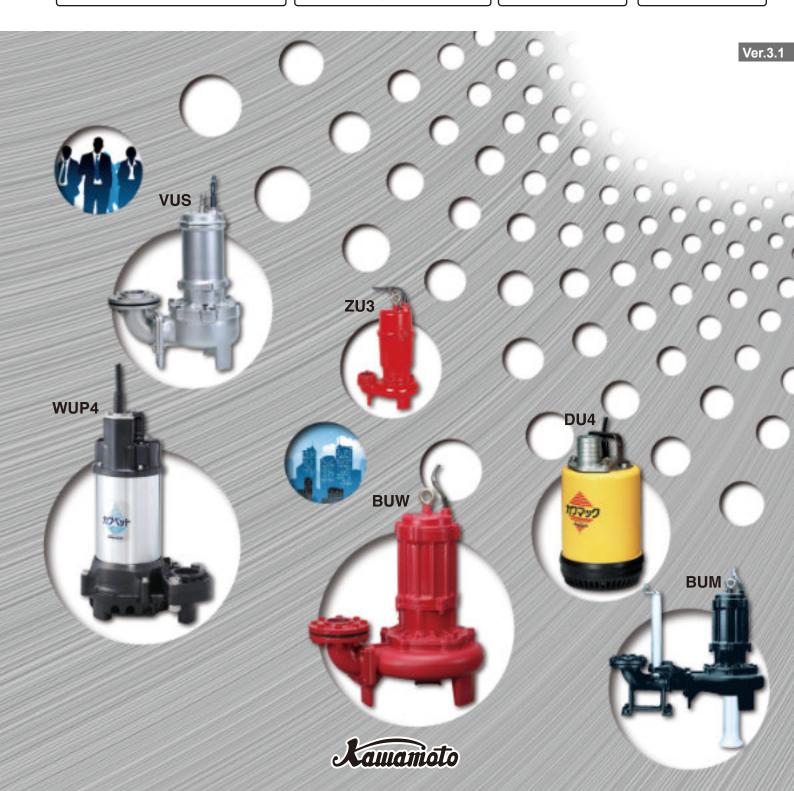
For drainage of wastewater, sewage, facilities and construction equipment.

High-efficiencynon-clogimpeller

Reinforced glassfiber resin

Stainless steel

Vortex with cutter



# Kawamoto's Submersible Sump Pump Series

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

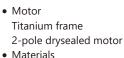
### For Wastewater, 2 poles

### WUP4 type Adjustable float position Reinforced glass fiber resin Motor Stainless steel frame 2-pole drysealed motor Materials Casing: Plastic Impeller: Plastic Shaft: SUS304 Bore: 32, 40, 50mm

WUZ2/4 type



Titanium



Vortex

- Materials Casing: Plastic Impeller: Plastic Shaft: Titanium
- Bore: 32 80mm Output: 0.15 - 3.7kW

-P3-

YUK2 type



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

-P4-

Output: 0.15 - 0.75kW

Vortex

### For Wastewater, 2 poles

### SU4 type





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

-P4-

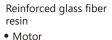
### For Sewage, 2 poles

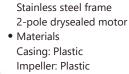
WUO(4) type

Adjustable float position









- Shaft: SUS304 Bore: 40 - 80mm
- Output: 0.15 3.7kW

-P5-







- 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

High-efficiency non-clog

-P6-

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

Output: 0.75 - 7.5kW

### **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 efficiency

### Rust resistant



### For Sewage, 4 poles

### AU4 type





- 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



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

-P7-

### VUS type



- 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

- Motor4-pole drysealed motor
- Materials
   Casing: Cast iron
   Impeller: SCS13
   Shaft: SUS420J2
- Bore: 65, 80mm
- Output: 0.75 7.5kW

### VUM type



Vortex

- Motor 4-pole drysealed motor
- Materials
   Casing: SCS13
   Impeller: SCS13
   Shaft: SUS304
   Motor cover: SCS13
   Bell mouth: SCS13

   Bore: 50 100mm
- Outroute 0.4 7 Float
- Output: 0.4 7.5kW

-P9-

### For Construction works / For Residual water drainage

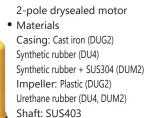
### DUG2/DU4/ DUM2 type







-P8-



Bore: 40, 50mmOutput: 0.25 - 2.2kW

-P11-

### LU2 type



Semi-open

- Motor2-pole drysealed motor
- Materials
   Casing: Synthetic rubber
   Impeller: Plastic
   Shaft: SUS403
- •Bore: 50mm
- •Output: 0.4kW

-P11-

### DU4 type

## **WUP4** type

### For Wastewater, 2 poles



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



Features galight and easy to handle, due to resinified pump parts and motor with stainless steel frame.

k<sup>®</sup>Corrosion proof and long-life.

1 Equipped with a small special motor with built-in auto-cut of a large starting torque to ensure safety.

maVortex type and excellent performance to pass foreign objects. n@Strainer is quick detachable type for easy cleaning and maintenance. gaCan be paired with plastic pedestal support (special accessory). r 🗓 Japan Public Buildings Association compliant. (50mm-bore products)  $\ensuremath{\mathsf{s}}\xspace{\ensuremath{\mathbb{B}}}\xspace Starting/stopping \ water levels are adjustable in L and LN types.$ ∬2Improved strainer strength. (compared to our conventional models)

### Types

#### Ability to pass foreign objects

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

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



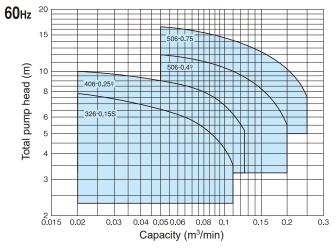




Selection

WUP4-LN type

Selection 50Hz 20  $\overline{\mathbb{E}}$ Total pump head 6 5 4 3 0.015 0.02 0.04 0.05 0.06 0.08 0.3 Capacity (m³/min)



### WUZ2/4 type

For Seawater and Wastewater, 2 poles



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



Features gauses titanium for the metal part which contacts water and plastic in the pump to achieve corrosion proof, light weight and easy-to-handle features.

k@Glass fiber reinforced plastic is used in plastic parts which require strength, such as the impeller and casing.

12 Vortex type and excellent in the ability to pass foreign objects.

m@Equipped with a motor with built-in auto-cut having a large torque to prevent burn damage.

n@Strainers with output of 0.75kW or less are quick detachable type for easy maintenance.

g 🛮 Japan Public Buildings Association compliant. (50mm-bore products) r Starting/stopping water levels are adjustable in L and LN types. ş Improved strainer strength. (compared to our conventional models) u

### Types

### Ability to pass foreign objects

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

_ , ,	<u> </u>
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
_	

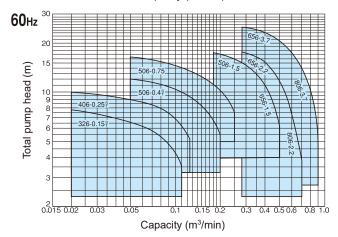


WUZ2/4 type WUZ2/4-L type





**50**Hz Total pump head (m) 8 6 Capacity (m³/min)



### YUK2 type

For Wastewater, 2 poles

Selection

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

g

Semi-open stainless steel impeller prevents foreign objects from clogging. k®Significantly improved ability to pass foreign objects.u

1 Safety device (auto-cut) activates at overload and during restraint operation and prevents motor burnout.

macan be combined with a plastic pedestal support (special accessory).

### Types

#### Ability to pass foreign objects

		. '		,	٠.
Operation method	Model				
Non-automatic	YUK2 type		4	10	
Automatic	YUK2-L type		5	0	
Auto alternate	YUK2-LN type				

Ability to pass foreign objects		
	Diameter of foreign objects (sphere) (mm)	
40	20	
50	20	







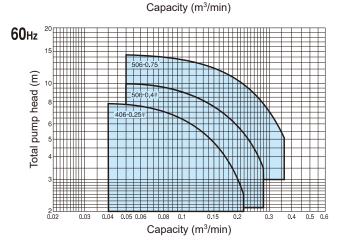
YUK2-L type



YUK2-LN type

Selection

# **50**Hz Total pump head (m)



### SU4 type

### For Wastewater, 2 poles



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



Features gallosed impeller made of Bronze. provides excellent pumping performance without startup failures due to rusted impellers.

k® Equipped with a motor with built-in auto-cut to prevent motor burnout. 1 Attached with a special strainer to prevent suction of foreign objects. male flange is attached with a pedestal support to avoid excess load to be applied to the pump.

ŋº 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).
- 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

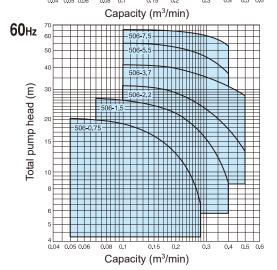


SU4-LN type



SU4 type (Pedestal support type)

# 50<sub>Hz</sub> Total pump head (m)



## Reinforced glass fiber resin WUO(4) type

### For Sewage, 2 poles

Selection

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

Features galight weight and easy-to-handle submersible sewage pump.

k@Stainless steel made frame motor and plastic parts increase operating life.

1 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

maVortex type and excellent performance to pass foreign objects.  $\eta \boxtimes \mathsf{Can}\,$  be combined with a plastic pedestal support (special accessory). g<sub>2</sub>Starting/stopping water levels are adjustable in L and LN types.

### Types

### Ability to pass foreign objects

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

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







WUO(4)-LN type

Selection

50<sub>Hz</sub> (E Total pump head 0.03 0.04 0.05 0.06 0.08 0.1 0.4 0.5 0.6

Capacity (m3/min)

60<sub>Hz</sub> Total pump head (m) 0.03 0.04 0.05 0.06 0.08 0.1 Capacity (m³/min)

### ZU3/4 ZUJ/4 type

For Sewage, 2 poles

Application Sewage and wastewater with solids



- Features g. The S-shaped impellers provides excellent ability to pass foreignobjects.
  - k, The pump is free from forming air pocket behind impeller.
  - 1 Equipped with a motor with built-in auto-cut to prevent motor burnout.
  - m, ZUJ type is equipped with a pedestal support for easy maintenance and
  - n, 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

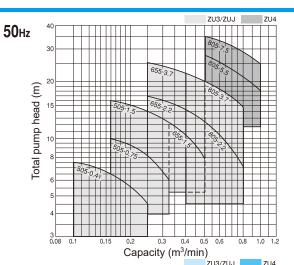
Bore (mm)	Diameter of foreign objects (sphere) (mm)	Size of cloth (mm)
50	35	200×200
65	35	300×300
80	40	300×450

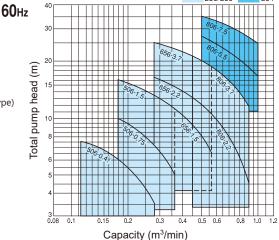












# High-efficiency non-clog impeller **BUW type**

### For Sewage, 4 poles

Selection

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

- Features g. 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).
  - k@The closed-type, high-efficiency, non-clog impeller (patent pending) and our original casing structure provide high pumping performance with high efficiency.

1 Uses highly corrosion proof stainless steel for the impeller.

m@Equipped with a motor with built-in auto-cut to prevent motor burnout.

η 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



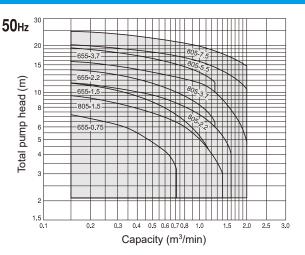
Floor mount

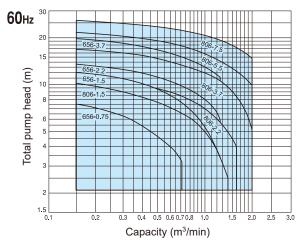


Pedestal support type



Impeller





### **BU4** type

For Sewage, 4 poles

Application For discharge of sewage and wastewater



- Features g. The closed-type non-clog impeller and our original casing structure (patented) provide high pumping performance.
  - k 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.
  - 1 Two types available: floor mount and pedestal support type for easy maintenance and inspection.
  - m, Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).
  - η 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
100	53	2.2·3.7kW : 300×900 5.5~22kW : 200×300
150	53	111111111



BU4 type



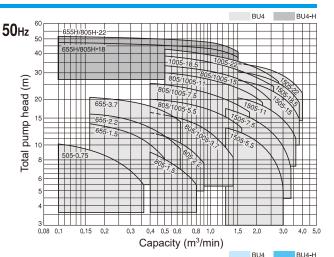
BU4-L type

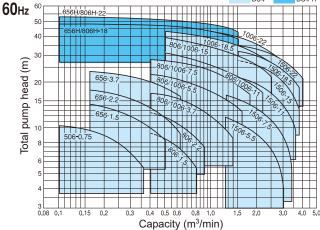


BU4-LN type



BU4 type (Pedestal support type)





### **AU4** type

### For Sewage, 4 poles

Selection

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

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

### Types

#### 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)		
65	17	2.2kW and above: Towel (300x900mm)		
80	24 (2.2kW or less)	(In addition to the above.)		
80	26 (3.7kW or above)	cotton gloves, packaging tapes, plastic bags, etc. can also be cut.		
100	26	can also be cut.		
100	26	can also be cut.		







AU4-L type

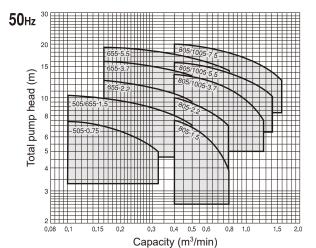


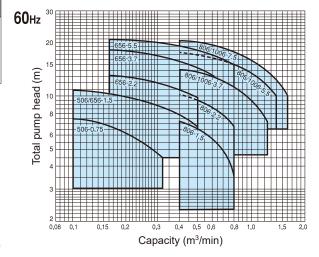
AU4-LN type



AU4 type (Pedestal support type)

Selection





# Vortex type VU4 type

### For Sewage, 4 poles

Application For discharge of sewage and wastewater



- Excellent ability to pass foreign objects without entangling. (Can discharge spherical solids with a diameter which equals to the bore size.)
- k, Our original casing structure (patented) provides excellent pumping performance.
- 1 Equipped with a motor with built-in auto-cut (7.5kW or less) to prevent motor burnout.
- $\ensuremath{\mathfrak{m}}$  Motor with output of 11kW or above can detect abnormal temperature rise of the motor coil as an external signal.
- 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

### Ability to pass foreign objects

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

ı			Cloth			
	Bore (mm)	Sphere diameter (mm)	Packaging tape	Cotton gloves	Panty hose	
	50	50	400mm or	0	, 0	
	65	65	smaller (OK with	(OK with	OK with restart for	
	80	80	restart for 0.75kW and	restart for 1.5kW or	2.2kW or less and	
	100	100	(50Hz, 1.5kW )	less	60Hz, 3.7kW	

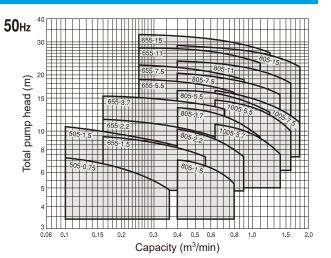


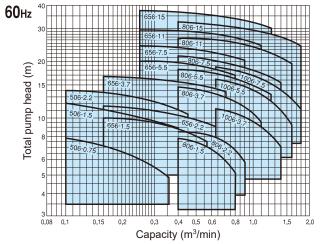
VU4-LN type

Stainless steel impeller



(Pedestal support type)





### **VUS** type

### For Sewage, 4 poles

Selection

**50**Hz

Ξ

pump head

Total



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

Features

- g, All stainless steel structure (pump, motor, pedestal support) provides corrosion proof and long life.
- k, 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 revents startup failure due to rusted impellers.
- $\ensuremath{\mathfrak{m}}$  Equipped with a motor with built-in auto-cut to prevent motor burnout.
- ${\mathfrak n}_{\!\!\!\! 1}$  Two types available: floor mount and pedestal support type for easy maintenance and inspection.

Types

Non-automatic VUS type Automatic VUS-L type VUS-LN type Auto alternate

Ability to pass foreign objects

		lid Cloth				
Bore (mm)	Sphere diameter (mm)	Packaging tape	Cotton gloves	Panty hose		
50	50	400mm or	0	. 0		
65	65	smaller (OK with	(OK with	OK with restart for		
80	80	restart for 0.75kW and	restart for 1.5kW or	2.2kW or less and		
100	100	50Hz, 1.5kW	less	60Hz, 3.7kW		



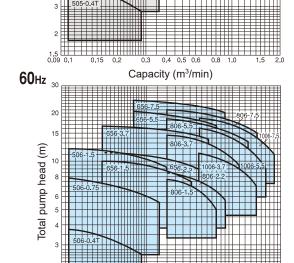






VUS type (Pedestal support type) Note: Guide pipes are not included.

With flood detector · Please inquire for details.



Capacity (m3/min)

High-efficiency non-clog impeller

### **BUM type**

For Manholes, 4 poles





Submersible sump pumps for manholes installed as relay pumps for sewage  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($ main piping and sewage treatment facilities such as for sewage relay and drainage of sump from agricultural communities.

Features

- g. 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).
- k, The closed-type, high-efficiency, non-clog impeller (patent pending) and our original casing structure provide high pumping performance with high efficiency.
- 1 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.
- m, Control panel for manhole pumps and necessary parts are also available as special accessories.

# **50**Hz Total pump head (m) 0.5 0.6 0.7 0.8 1.0 Capacity (m³/min)

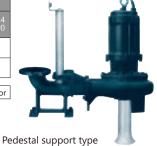
### Ability to pass foreign objects

100% of the bore (sphere diameter in mm)

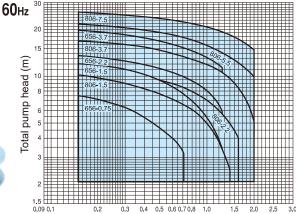
### Pump/manhole combination table

Pump	Manhole (size)				
Bore (mm)	Type 1 φ900	Type 2 φ1200	Type 3 φ1500	Type 4 φ1800	
65		0	0	0	
80		0	0	0	









Capacity (m³/min)

Note: Guide pipes are not included.

### **VUM type**

### **50**Hz

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.

 $g_{\overline{\mbox{\sc B}}\mbox{\sc S}\mbox{\sc Stainless}}$  steel made precision casting (SCS) is used in the pump and pedestal support, which gives features of high corrosion proof and durable with long

For Manhole, 4 poles

- k<sup>®</sup>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.) 1 © 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.

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	Type 4 φ1800		
50	0	0	0			
65		0	0	(3.7kW or above)		
80		0	0	0		
100			0	0		

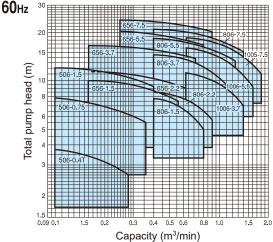
With flood detector



Note: Guide pipes are not included.

# pump head (m Total 0.5 0.6

Capacity (m³/min)



### Separately sold parts

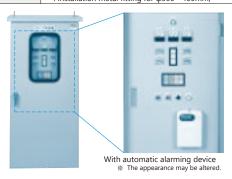
Control panel for ECM2 type manhole pump

### **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
- 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	
Ор	eration method	Alternate	Alternate/Parallel	
R	lated capacity	0.4 - 7.5kW	0.4 - 7.5kW×2	
lnstruments		Voltmeter, ammeter, operation counter, operation timer (instruments other than the voltmeter are separate)		
Panel display	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 fo Installation metal fitting fo	r φ230 - 300mm	



### Water level gauge (throw-in)

With weight (6m SUS chain)



### Prewhirl tank



### Sump check valve

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



Check valve

### Float switch (EHF5-S type)

For backup

### Ball valve (stainless steel)

Please inquire for details.

### 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
03	UJP-65B-7K	2.2, 3.7kW
80	UJP-80-7K	

Includes a rope for hanging the pump.

Float Switch



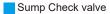




EHF5-1 type (For seawater model is also available)

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)





- 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







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
- 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 Phase failure, reverse phase, overcurrent protection, magnet switch fault detection Protectionfunction(-1) Overcurrent protection, gnet switch fault detecti Power indicator light ☑(White) (Red): No1, No2 Individual indication Operation indicator ligh (Red) 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 (Analog) ☑(Digital, with 3-digit display) Ammeter Externa Operation ②(-2) (Collective) Fault 2(-3) (Collective) 2(-3) Water level Alarm buzzer [?]
- ( 1) Detected by the microcomputer in the control panel. Phase failure and reverse phase are for three phase 200V only.

Sump Pump Defect Detector

( - 2) Auxiliary contact output of the magnet switch. ( - 3) Output collectively as an alarm output.

### Full water alarm panel



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

a buzzer and signal of no



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

EBA-1 type

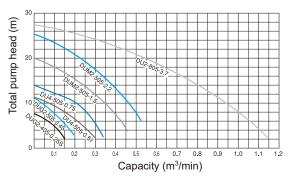
# DUG2/DU<sub>4</sub> /DUM2 type For Construction

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

Features galuses semi-open impeller to avoid clogging by foreign objects. k<sub>E</sub>Small size and light weight enable easy handling, maintenance and inspection. 1 Equipped with a motor with built-in auto-cut to prevent motor burnout.

Selection

### **50**Hz







DU4 type

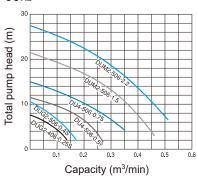




DUG2 type

DU2 type





### LU2 type

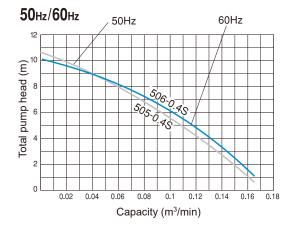
For Residual water

DUM2 type

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

- Features g, 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)
  - k, In-pump air separation mechanism prevents air lock and improves re-pumping
  - 1 Uses aluminum frame motor to realize a light and compact design which is easy
  - m, Equipped with a small powerful motor with built-in auto-cut to prevent motor

### Selection

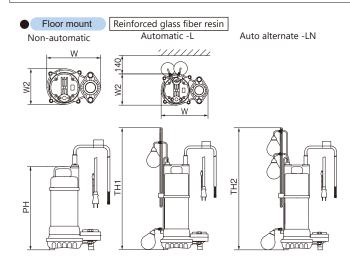




<sup>\*</sup> DUG2/DU<sup>2</sup>,/DUM2 type and LU2 type are portable submersible sump pump for construction and submersible sump pump for residual water. Do not use them in long continuous operation or under an installation condition where the pump is completely under water at all times. The pump may 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 5 Power (COCAJOHMFCQIBIF SUPPLY (CPSCOPSMFULFSCORSFCQBIF) ①Pump model ②Bore (mm) ③Frequency (5:50Hz 6:60Hz) ④Motor output (kW) No letter : Non-automatic : Automatic LN : Auto alternate built-in



	Bore	Model	PH	TH1	TH2	w	W2
	32	WUP4-325/6-0.15S	320	_	_	210	143
		WUP4-405/6-0.25S	330			210	143
WUP4 type	40	WUP4-405/6-0.25T	320			210	143
M		WUP4-505/6-0.4S	354		_	234	170
IVI	50	WUP4-505/6-0.4T	339			234	170
	""	WUP4-505/6-0.75	359			234	170
	32			539	539		143
	32	WUP4-325/6-0.15SL(N)	374			210	
	40	WUP4-405/6-0.25SL(N)	384	539	539	210	143
WUP4-L(N) type		WUP4-405/6-0.25TL(N)	374	524	524	210	143
Α		WUP4-505/6-0.4SL(N)	376	538	538	234	170
	50	WUP4-505/6-0.4TL(N)	361	518	518	234	170
		WUP4-505/6-0.75L(N)	381	538	538	234	170
	32	WUZ4-325/6-0.15S	345			210	143
	32	WUZ4-325/6-0.15T	345			210	143
	40	WUZ4-405/6-0.25S	355			210	143
	40	WUZ4-405/6-0.25T	345			210	143
		WUZ4-505/6-0.4S	385		_	234	170
		WUZ4-505/6-0.4T	370		_	234	170
WUZ2-4 type	50	WUZ4-505/6-0.75	390			234	170
M		WUZ2-505/6-1.5	472			362	179
		WUZ2-655/6-1.5	472			362	179
	65	WUZ2-655/6-2.2	544			372	216
	0.5	WUZ2-655/6-2.2 WUZ2-655/6-3.7	581			372	216
						372	216
	80	WUZ2-805/6-2.2	544				
		WUZ2-805/6-3.7	581			372	216
	32	WUZ4-325/6-0.15SL(N)	399	535	570	210	143
	J.	WUZ4-325/6-0.15TL(N)	399	519	554	210	143
	40	WUZ4-405/6-0.25SL(N)	409	535	570	210	143
	40	WUZ4-405/6-0.25TL(N)	399	519	554	210	143
	50	WUZ4-505/6-0.4SL(N)	405	535	570	234	170
WUZ2·4-L(N) type		WUZ4-505/6-0.4TL(N)	390	515	550	234	170
		WUZ4-505/6-0.75L(N)	410	535	570	234	170
Α		WUZ2-505/6-1.5L(N)G	527	645	690	362	191
	65	WUZ2-655/6-1.5L(N)G	527	645	690	362	191
		WUZ2-655/6-2.2L(N)G	579	795	840	372	216
		WUZ2-655/6-3.7L(N)G	616	795	840	372	216
	80	WUZ2-805/6-2.2L(N)G	579	795	840	372	216
		WUZ2-805/6-3.7L(N)G	616	795	840	372	216
		WUO4-405/6-0.15S	360	735	- 040	207	138
	40	WUO4-405/6-0.15S WUO4-405/6-0.25S	370			207	138
		WUO4-405/6-0.25T	360			207	138
		WUO4-505/6-0.4S	384			232	165
	50	WUO4-505/6-0.4T	369			232	165
WUO(4) type		WUO4-505/6-0.75	389	_	_	232	165
M		WUO-505/6-1.5	442	_	_	362	179
		WUO-655/6-1.5	442	_	_	362	179
	65	WUO-655/6-2.2	514	_	_	372	216
		WUO-655/6-3.7	551			372	216
		WUO-805/6-2.2	514	_	_	372	216
	80	WUO-805/6-3.7	551	_	_	372	216
		WUO4-405/6-0.15SL(N)	414	579	579	207	138
	40	WUO4-405/6-0.25SL(N)	424	579	579	207	138
	40	WUO4-405/6-0.25TL(N)	414	564	564	207	138
		WUO4-505/6-0.4SL(N)	406	568	568	232	165
WUO(4)-L(N) type		WUO4-505/6-0.4TL(N)	391	548	548	232	165
	50						
		WUO4-505/6-0.75L(N)	411	568	568	232	165
Α		WUO-505/6-1.5L(N)G	497	600	660	362	191
		WUO-655/6-1.5L(N)G	497	600	660	362	191
	65	WUO-655/6-2.2L(N)G	549	750	810	372	216
		WUO-655/6-3.7L(N)G	586	750	810	372	216
	80	WUO-805/6-2.2L(N)G	549 586	750 750	810 810	372 372	216

M : Manual operation

A : Automatic (Alternate) operation

#### Pedestal support type Reinforced glass fiber resin Automatic -L Auto alternate -LN Non-automatic W2 U5 72 H Bore Model W2 179 TH1 TH2 WUO-505/6-1.5 473 512 50 WUO-655/6-1.5 WUO type 65 WUO-655/6-2.2 540 552 216 552 552 WUO-805/6-2.2 540 216 80 WUO-805/6-3.7 216 50 WUO-505/6-1.5L(N)G 528 630 690 512 191 WUO-655/6-1.5L(N)G 528 630 512 191 690 WUO-655/6-2.2L(N)G WUO-655/6-3.7L(N)G 776 776 216 216 WUO-L(N) type 65 575 836 552 552 552 836 612 Α WUO-805/6-2.2L(N)G 776 836

•	Floor mount Cas	t iron Automatic -L	Auto alternate -LN
W2	W	W2 140	-0
HA		CO C	5

612

776

836

216

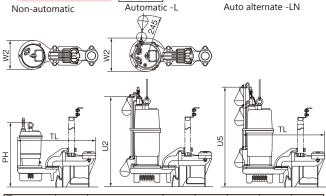
80

WUO-805/6-3.7L(N)G

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

M : Manual operation
A : Automatic (Alternate) operation
For model ZU4-80-5.5/7.5, refer to P.13.

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



Pedestal support type Cast iron

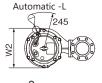
	Bore	Model	PH	U2	U5	TL	W2
		SU4-505/6-0.75	403			477	162
SU4 type		SU4-505/6-1.5	443			489	200
М	50	SU4-505/6-2.2	585			585	234
		SU4-505/6-3.7	585			585	234
		SU4-505/6-0.75L(N)	448	528	588	477	162
SU4-L(N) type		SU4-505/6-1.5L(N)	503	528	599	489	200
Α	50	SU4-505/6-2.2L(N)	640	715	785	585	234
		SU4-505/6-3.7L(N)	640	715	785	585	234
		ZUJ-505/6-0.4S	496			493	181
		ZUJ-505/6-0.4T	434			493	181
	50	ZUJ-505/6-0.75	437			518	190
		ZUJ-505/6-1.5	497			624	222
ZUJ type		ZUJ-655/6-1.5	497			624	222
	65	ZUJ-655/6-2.2	660			722	268
M		ZUJ-655/6-3.7	660			722	268
		ZUJ-805/6-2,2	660			722	268
		ZUJ-805/6-3.7	660			722	268
	80	ZUJ-805/6-5.5	693			751	317
		ZUJ-805/6-7.5	693			751	317
		ZUJ-505/6-0.4SL(N)	496	550	610	493	181
	50	ZUJ-505/6-0.4TL(N)	496	550	610	493	181
	50	ZUJ-505/6-0.75L(N)	482	550	610	518	190
ZUJ-L(N) type		ZUJ-505/6-1.5L(N)	557	590	650	624	222
		ZUJ-655/6-1.5L(N)	557	590	650	624	222
Α	65	ZUJ-655/6-2.2L(N)	715	790	860	722	268
		ZUJ-655/6-3.7L(N)	715	790	860	722	268
	80	ZUJ-805/6-2,2L(N)	715	790	860	722	268
	00	ZUJ-805/6-3.7L(N)	715	790	860	722	268

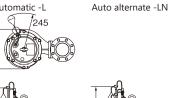
M : Manual operation
A : Automatic (Alternate) operation
For model ZU4-80-5.5/7.5, refer to P.14.

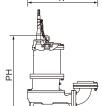
U2: (Pump activation water level) U5: (Parallel operation activation)

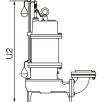
### Floor mount Non-automatic

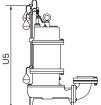












	Bore	Model	PH	U2	U5	W	W2
ZU4 type	80	ZU4-805/6-5.5	669			523	294
M	80	ZU4-805/6-7.5	669	_		523	294
	50	AU4-505/6-0.75	484			379	232
	30	AU4-505/6-1.5	535			423	242
		AU4-655/6-1.5	535			433	242
	65	AU4-655/6-2.2	624			460	266
	05	AU4-655/6-3.7	634/624			526/460	309/266
		AU4-655/6-5.5	658			526	309
AU4 type		AU4-805/6-1.5	557/562		_	464/432	264/237
M		AU4-805/6-2.2	636			464/432	264/237
	80	AU4-805/6-3.7	656	_	_	546	300
		AU4-805/6-5.5	680			589/546	339/300
		AU4-805/6-7.5	680			589	339
		AU4-1005/6-3.7	656			558	300
	100	AU4-1005/6-5.5	680			601/558	339/300
		AU4-1005/6-7.5	680			601	339
	50	AU4-505/6-0.75L(N)	534	603	663	379	232
	30	AU4-505/6-1.5L(N)	585	614	674	423	242
		AU4-655/6-1.5L(N)	585	614	674	433	242
AU4-L(N) type	65	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
Α		AU4-805/6-1.5L(N)	607/612	636	706	464/431	264/237
	80	AU4-805/6-2.2L(N)	691	786	856	464/431	264/237
		AU4-805/6-3.7L(N)	711	806	846	546	300
	100	AU4-1005/6-3.7L(N)	711	806	846	558	300

M : Manual operation A : Automatic (Alternate) operation

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

	Bore	Model	PH	U2	U5	w	W2
	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
		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
	80	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
BU4 type		BU4-1005/6-3.7	663			584	332
M		BU4-1005/6-5.5	687			616	358
		BU4-1005/6-7.5	687		_	616	358
	100	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
		BU4-1505/6-5.5	722			698	366
		BU4-1505/6-7.5	722			698	366
	150	BU4-1505/6-11	765			747	421
	100	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
	65	BU4-655/6-18H	897			725	481
BU4-H type		BU4-655/6-22H	897			725	481
M	80	BU4-805/6-18H	897			725	481
		BU4-805/6-22H	897			725	481
	50	BU4-505/6-0.75L(N)	549	618	678	401	242
	65	BU4-655/6-1.5L(N)	599	628	688	470	273
DUAL OD to		BU4-655/6-2.2L(N)	688	767	837	537/502	323/304
BU4-L(N) type		BU4-655/6-3.7L(N)	688	767	837	537/502	323/304
A	00	BU4-805/6-1.5L(N)	624	653	713	501/466	289/259
	80	BU4-805/6-2.2L(N) BU4-805/6-3.7L(N)	708	787	857	501/466	289/259
	100		718	797	867	572	332
	100	BU4-1005/6-3.7L(N) BUW655/6-0.75	718 602	797	867	584 454	332 237
	65	BUW655/6-1.5	634			506	290
		BUW655/6-2.2	708			560	344
		BUW655/6-3.7	708			560	344
BUW type		BUW805/6-1.5	672			520	256
M	80	BUW805/6-2.2	746			583	312
		BUW805/6-3.7	746			583	312
		BUW805/6-5.5	771			642	379
		BUW805/6-7.5	771	_	_	642	379
		VU4-505/6-0.75	513	_		377	232
	50	VU4-505/6-1.5	553		_	416	262
		VU4-506-2.2	632		_	416	262
		VU4-655/6-1.5	590			456/423	262/232
		VU4-655/6-2.2	669			456/423	262/232
		VU4-655/6-3.7	669			500	303
	65	VU4-655/6-5.5	693		_	547/500	335/303
		VU4-655/6-7.5	693			547	335
		VU4-655/6-11	755			591	386
VU4 type		VU4-655/6-15	805			591	386
M		VU4-805/6-1.5	619			452	232
		VU4-805/6-2.2	698			495/452	267/232
		VU4-805/6-3.7	698			495	267
	80	VU4-805/6-5.5	722			551	304
		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 VU4-1005/6-5.5	735			527 570	267 311
	100	VU4-1005/6-5.5 VU4-1005/6-7.5	761 761			570	311
		VU4-505/6-0.75L(N)	563	632	692	377	232
	50	VU4-505/6-0.75L(N)	603	632	692	416	262
	30	VU4-506-2.2L(N)	687	632	863	416	262
		VU4-655/6-1.5L(N)	640	669	729	456/423	262/232
VU4-L(N) type	65	VU4-655/6-2.2L(N)	724	803	873	456/423	262/232
Α	00	VU4-655/6-3.7L(N)	724	803	873	500	303
		VU4-805/6-1.5L(N)	669	698	758	452	232
	80	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-505/6-0.4T	503			377	232
	50	VUS-505/6-0.75	503			377	232
		VUS-505/6-1.5	543			416	262
		VUS-655/6-1.5	580			456/423	262/232
		VUS-655/6-2.2	669			456/423	262/232
	65	VUS-655/6-3.7	669			500	302
		VUS-655/6-5.5	681			548/500	332/296
VUS type		VUS-655/6-7.5	681			548	332
M		VUS-805/6-1.5	617	_		451	232
		VUS-805/6-2.2	698	_		495/451	267/232
	80	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-505/6-0.4TL(N)	563	632	692	377	232
	50	VUS-505/6-0.75L(N)	563	632	692	377	232
		VUS-505/6-1.5L(N)	603	632	692	416	262
		VUS-655/6-1.5L(N)	638	669	729	456/423	262/232
VUS-L(N) type	65	VUS-655/6-2.2L(N)	724	803	873	456/423	262/232
Α		VUS-655/6-3.7L(N)	724	803	873	500	302
		VUS-805/6-1.5L(N)	667	698	758	451	232
	80	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
M · Manual oper	otion				112: (Pump	activation v	vater level)

M : Manual operation A : Automatic (Alternate) operation

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

# Pedestal support type Non-automatic Automatic -L Auto alternate -LN F

Cast iron							
	Bore	Model	PH	U2	U5	TL	W2
ZU4 type	80	ZU4-805/6-5.5	705			743	294
M	80	ZU4-805/6-7.5	705			743	294
	50	AU4-505/6-0 75	512			574	232
	50	AU4-505/6-1.5	567			623	242
		AU4-655/6-1.5	567			633	242
	65	AU4-655/6-2.2	676			680	266
	05	AU4-655/6-3.7	681/676			746/680	309/266
		AU4-655/6-5.5	705			746	309
AU4 type		AU4-805/6-1.5	602/607			684/652	264/237
M		AU4-805/6-2.2	681			684/652	264/237
	80	AU4-805/6-3.7	706			761	300
		AU4-805/6-5.5	730			804/761	339/300
		AU4-805/6-7.5	730			804	339
		AU4-1005/6-3.7	706			773	300
	100	AU4-1005/6-5.5	730			816/773	339/300
		AU4-1005/6-7.5	730			816	339
	50	AU4-505/6-0.75L(N)	562	631	691	574	232
	50	AU4-505/6-1.5L(N)	617	646	706	623	242
		AU4-655/6-1.5L(N)	617	646	706	633	242
AU4-L(N) type	65	AU4-655/6-2.2L(N)	731	810	880	680	266
		AU4-655/6-3.7L(N)	731	815/810	885/880	746/680	309/266
Α		AU4-805/6-1.5L(N)	652/657	681	751	684/651	264/237
	80	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
	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
		BU4-805/6-3.7	706			787	332
	80	BU4-805/6-5.5	730			818	358
		BU4-805/6-7.5	730			818	358
		BU4-805/6-11	773			900	420
		BU4-805/6-15	848			940	420
BU4 type		BU4-1005/6-3.7	706			799	332
M		BU4-1005/6-5.5	730			831	358
		BU4-1005/6-7.5	730			831	358
	100	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
		BU4-1505/6-5.5	799			968	366
		BU4-1505/6-7.5	799	_	_	968	366
	150	BU4-1505/6-11	842			1017	421
	150	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
	65	BU4-655/6-18H	935	-		990	481
BU4-H type		BU4-655/6-22H	935			990	481
M	80	BU4-805/6-18H	935	_		990	481
		BU4-805/6-22H	935			990	481
	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-L(N) type		BU4-655/6-3.7L(N)	727	806	876	757/722	323/304
Α		BU4-805/6-1.5L(N)	624/652	681	891	721/686	289/259
			700/700	815	885	721/686	289/259
	80	BU4-805/6-2.2L(N)	708/736				
		BU4-805/6-3.7L(N)	718/761	840	910	787	332
	80	BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N)	718/761 718/761		910 910	799	332
		BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75	718/761 718/761 626	840		799 674	332 237
		BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75 BUW655/6-1.5	718/761 718/761 626 655	840		799 674 726	332 237 290
	100	BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75 BUW655/6-1.5 BUW655/6-2.2	718/761 718/761 626 655 720	840		799 674 726 780	332 237 290 344
BUW type	100	BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75 BUW655/6-1.5 BUW655/6-2.2 BUW655/6-3.7	718/761 718/761 626 655 720 720	840		799 674 726 780 780	332 237 290 344 344
BUW type	100	BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75 BUW655/6-1.5 BUW655/6-2.2 BUW655/6-3.7 BUW805/6-1.5	718/761 718/761 626 655 720 720 698.5	840		799 674 726 780 780 735	332 237 290 344 344 256
BUW type M	100	BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75 BUW655/6-1.5 BUW655/6-2.2 BUW655/6-3.7 BUW805/6-1.5 BUW805/6-1.5	718/761 718/761 626 655 720 720 698.5 764	840		799 674 726 780 780 735 798	332 237 290 344 344 256 312
	100	BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75 BUW655/6-1.5 BUW655/6-2.2 BUW655/6-3.7 BUW805/6-1.5 BUW805/6-3.7	718/761 718/761 626 655 720 720 698.5 764	840		799 674 726 780 780 735 798	332 237 290 344 344 256 312 312
	100	BU4-805/6-3.7L(N) BU4-1005/6-3.7L(N) BUW655/6-0.75 BUW655/6-1.5 BUW655/6-2.2 BUW655/6-3.7 BUW805/6-1.5 BUW805/6-1.5	718/761 718/761 626 655 720 720 698.5 764	840		799 674 726 780 780 735 798	332 237 290 344 344 256 312

M : Manual operation A : Automatic (Alternate) operation

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













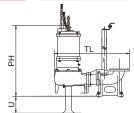
	Bore	Model	PH	U2	U5	TL	W2
		VU4-505/6-0.75	590			577	232
	50	VU4-505/6-1.5	590			616	262
		VU4-506-2.2	590		_	616	262
		VU4-655/6-1.5	620		_	676/643	262/232
		VU4-655/6-2.2	699		_	676/643	262/232
		VU4-655/6-3.7	699			720	303
	65	VU4-655/6-5.5	723			767/720	335/303
		VU4-655/6-7.5	723			767	335
		VU4-655/6-11	795			811	386
VU4 type		VU4-655/6-15	845		_	811	386
M		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
	80	VU4-805/6-5.5	755			766	304
		VU4-805/6-7.5	755			804/766	336/304
		VU4-805/6-11	802			833/804	384/336
		VU4-805/6-15	852			833	384
		VU4-1005/6-3.7	766		_	792	267
	100	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
	50	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
VU4-L(N) type	65	VU4-655/6-2.2L(N)	754	832	902	676/643	262/232
Α		VU4-655/6-3.7L(N)	754	832	902	720	303
		VU4-805/6-1.5L(N)	702	731	791	667	232
	80	VU4-805/6-2.2L(N)	786	865	935	710/667	267/232
		VU4-805/6-3.7L(N)	786	865	935	710	267
	100	VU4-1005/6-3.7L(N)	821	898	968	792	267

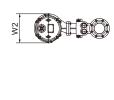
### Stainless steel

_							
	Bore	Model	PH	U2	U5	TL	W2
		VUS-505/6-0.4T	530			577	232
	50	VUS-505/6-0.75	530			577	232
		VUS-505/6-1.5	570	_	_	615	262
		VUS-655/6-1.5	609			676/642	262/232
		VUS-655/6-2.2	698			676/642	262/232
	65	VUS-655/6-3.7	698			718	302
		VUS-655/6-5.5	710			767/718	332/296
VUS type		VUS-655/6-7.5	710			767	332
М		VUS-805/6-1.5	643			666	232
		VUS-805/6-2.2	731			711/666	267/232
	80	VUS-805/6-3.7	731			711	267
		VUS-805/6-5.5	743			766	304
		VUS-805/6-7.5	743			804/766	336/304
		VUS-1005/6-3.7	766			791	266
	100	VUS-1005/6-5.5	778			835	311
		VUS-1005/6-7.5	778			835	311
		VUS-505/6-0.4TL(N)	590	659	719	577	232
	50	VUS-505/6-0.75L(N)	590	659	719	577	232
		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-L(N) type	65 A	VUS-655/6-2.2L(N)	753	832	902	676/642	262/232
Α		VUS-655/6-3.7L(N)	753	832	902	718	302
		VUS-805/6-1.5L(N)	700	731	791	666	232
	80	VUS-805/6-2.2L(N)	786	865	935	711/666	267/232
		VUS-805/6-3.7L(N)	786	865	935	711	267
	100	VUS-1005/6-3.7L(N)	821	898	968	791	266

M : Manual operation A : Automatic (Alternate) operation

## For manholes Pedestal support type





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



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.

Always read the manual thoroughly and fully comprehend the contents for safe operation before starting use. Important Safety Precautions Precautions Precautions 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
  - 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
- 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 distributer or our nearest sales office.

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Distributor

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For any question about pumps, please contact your nearest distributor

Name	Submersible Sump Pump
No.	3710 Y 🖹