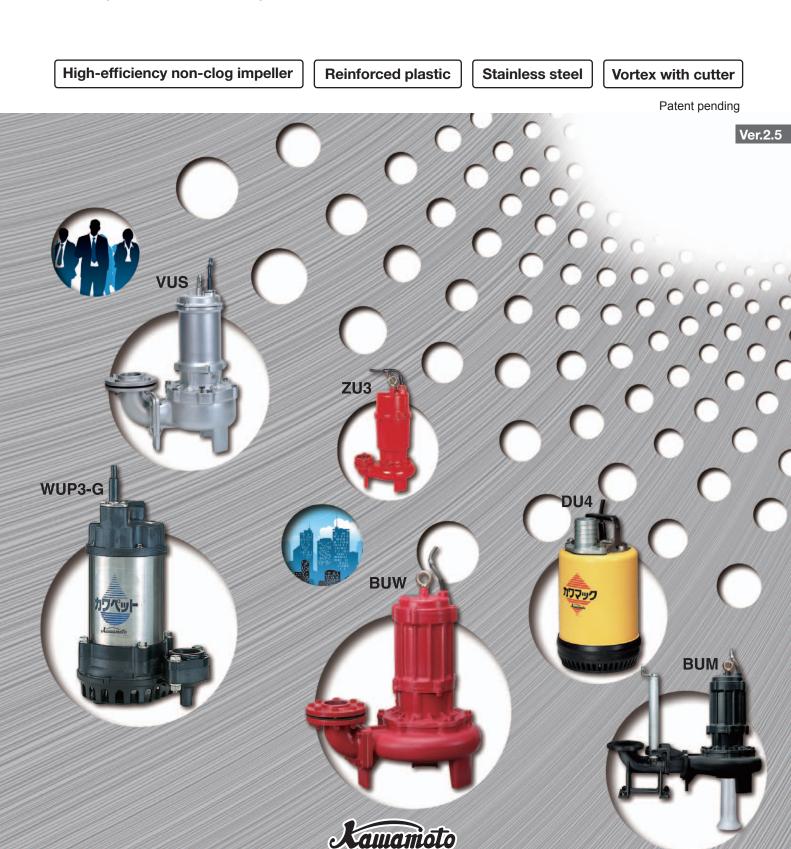


# Submersible Sump Pump Series

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



# Kawamoto's Submersible Sump Pump Series

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

# For Wastewater, 2 poles

#### WUP3-G type Vortex Adjustable float position

Reinforced plastic



Bore: 32, 40, 50mm Output: 0.15 - 0.75kW

# WUZ2/3-G type

Adjustable float position



Motor Titanium frame 2-pole drysealed motor Materials

Vortex

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

## YUK2 type



Motor 2-pole drysealed motor Materials

Semi-open

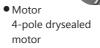
Casing: Cast iron Impeller: SCS13 Shaft: SUS403 Bore: 40, 50mm

Output: 0.25 - 0.75kW

-P4-

# For Sewage, 4 poles





with cutter

High durability

AU4 type

Materials Casing: Cast iron Impeller: Ductile iron Shaft: SUS420J2 Cutter: Alloy tool steel (Ceramic coated) • Bore: 50 - 100mm

Output: 0.75 - 7.5kW

#### VU4 type

High efficiency

e-star. Product



Motor 4-pole drysealed motor

Vortex

Materials Casing: Cast iron Impeller: Cast iron Shaft: SUS420J2 • Bore: 50 - 100mm

• Output: 0.75 - 15kW

-P7-

#### **VUS** type

Rust resistant



e-star Product

Motor 4-pole drysealed motor

Materials Casing: SCS13 Impeller: SCS13 Shaft: SUS304

• Bore: 50 - 100mm

Output: 0.4 - 7.5kW

-P8-

## For Wastewater, 2 poles

#### SU4 type





Casing: Cast iron Impeller: Bronze Shaft: SUS403 Bore: 50mm

Output: 0.75 - 3.7kW

-P4-

# For Sewage, 2 poles

#### WUO(3)-G type



Adjustable float position Reinforced plastic



Motor Stainless steel frame 2-pole drysealed motor

Casing: Plastic Impeller: Plastic Shaft: SUS304

# ZU<sup>3</sup>type





6

Semi-open

Non-clog



-P5-





Materials

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



#### Bore: 50 - 80mm • Output: 0.4 - 7.5kW

# For Sewage, 4 poles

# **BUW** type High efficiency Bore to pass foreigr objects 100% dia.

High-efficiency non-clog U

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





- Materials Casing: Cast iron Impeller: Cast iron
  - Shaft: SUS420J2 • Bore: 50 - 150mm Output: 0.75 - 22kW

Non-clog

4-pole drysealed

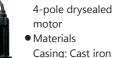
Motor

-P6-

# For Manholes, 4 poles VUM type

# **BUM** type High efficiency Motor

non-clog type



Casing: Cast iron Impeller: SCS13 Shaft: SUS420J2

Bore: 65, 80mm • Output: 1.5 - 3.7kW

-P8-

# Stainless steel

Materials

Casing: SCS13 Impeller: SCS13 Shaft: SUS304 Motor cover: SCS13

4-pole drysealed

Motor

Bell mouth: SCS13 • Bore: 50 - 100mm

• Output: 0.4 - 7.5kW

-P9-

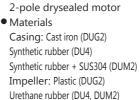
## Construction works / For Residual water drainage

#### DUG2/DU4/ DUM2 type



DU4 type

Motor



Shaft: SUS403 Bore: 40, 50mm

Output: 0.25 - 2.2kW -P11-

LU2 type

Semi-open Motor

motor Materials Casing: Synthetic rubber Impeller: Plastic Shaft: SUS403

2-pole drysealed

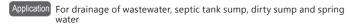
Bore: 50mm

Output: 0.4kW

-P11-



For Wastewater, 2 poles



stainless steel frame. ② Corrosion proof and long-life.

 $\stackrel{\cdot}{ \ \, \ \, }$  Equipped with a small special motor with built-in auto-cut of a large starting torque to ensure safety.

Light and easy to handle, due to resinified pump parts and motor with

- 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).
- ② Japan Public Buildings Association compliant. (50mm-bore products)
- ® Starting/stopping water levels are adjustable in L and LN types.

#### Types

Ability to pass foreign objects

Operation method	Model	
Non-automatic	WUP3-G type	
Automatic	WUP3-LG type	
Auto alternate	WUP3-LNG type	

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

60Hz 2

60Hz

(H





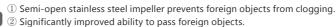


WUP3-LNG type

YUK2 type

For Wastewater, 2 poles





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

0.08 0.1 Capacity (m<sup>3</sup>/min)

0.04 0.05 0.06 0.08 0.1 Capacity (m<sup>3</sup>/min)

0.15 0.2

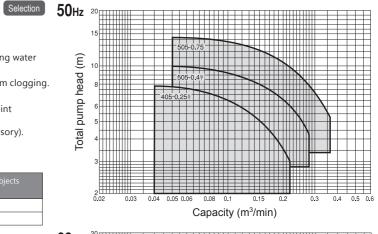
0.15 0.2 Capacity (m3/min)

Capacity (m<sup>3</sup>/min)

0.3 0.4 0.5 0.6 0.8 1.0

Ability to pass foreign objects

			· · · · · · · · · · · · · · · · · · ·
	Model	Bore (mm)	Diameter of foreign objects (sphere) (mm)
Non-automatic	YUK2 type	40	20
Automatic	YUK2-L type	50	20
Auto alternate	YUK2-LN type		









60<sub>Hz</sub> Capacity (m³/min)



SU4 type

#### For Wastewater, 2 poles

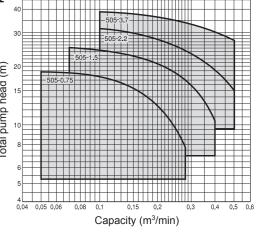




- ① Closed impeller made of Bronze provides excellent pumping performance without startup failures due to rusted impellers.
- ② Equipped with a motor with built-in auto-cut to prevent motor burnout. ③ Attached with a special strainer to prevent suction of foreign objects.
- ④ The flange is attached with a pedestal support to avoid excess load to be
- applied to the pump.
- ⑤ Two types available: flange type and pedestal support type for easy maintenance and inspection

Types

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





SU4 type







Capacity (m³/min)



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

- 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
- ⑤ Strainers with output of 0.75kW or less are quick detachable type for easy
- ⑥ Japan Public Buildings Association compliant. (50mm-bore products)
- The starting of the starting o ® Improved strainer strength. (compared to our conventional models)

#### Types

Operation method	Model	
Non-automatic	WUZ2/3-G type	
Automatic	WUZ2/3-LG type	
Auto alternate	WU72/3-I NG type	

#### Ability to pass foreign objects

eration method	Model	Output	Diameter of foreign objects (sphere) (mm)
lon-automatic	WUZ2/3-G type	0.25kW or less	14
Automatic	WUZ2/3-LG type	0.4, 0.75kW	20
luto alternate	WUZ2/3-LNG type	1.5kW	35
		2.2kW or above	40









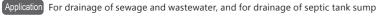








For Sewage, 2 poles



Features ① Light weight and easy-to-handle submersible sewage pump.

- $\ensuremath{ 2}$  Stainless steel made frame motor and plastic parts increase operating life.
- ③ Uses glass fiber reinforced plastic for the impeller and casing, and equipped with a motor with built-in auto-cut having a large starting torque for stable operation.
- $\ensuremath{\textcircled{4}}$  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

Non-automatic WUO(3)-G type Automatic WUO(3)-LG type WUO(3)-LNG type Auto alternate

Ability to pass foreign objects

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



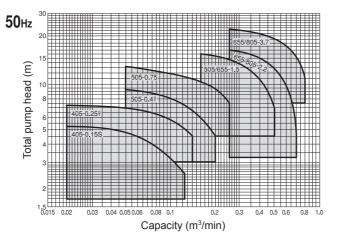
WUO(3)-(G) type

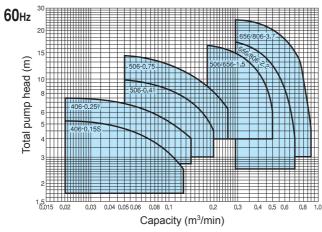


WUO(3)-LG type



WUO(3)-LNG type





# **ZU**<sup>3</sup> type

For Sewage, 2 poles

Application Sewage and wastewater with solids

- Features ① The S-shaped impellers provides excellent ability to pass foreignob jects.
  - 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
  - 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)	
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				
	Diameter of foreign objects	Size of o		

n method	Model		Diameter of foreign objects (sphere) (mm)	Size of clot (mm)
omatic	ZU3 type, ZUJ type	50	35	200×200
Ulliatic	(with pedestal support)	65	35	300×300
tic	ZU3-L type, ZUJ-L type	80	40	300×450
uc .	(with pedestal support)			



ZU3-L type



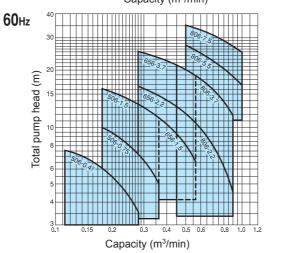






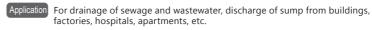
ZUJ type\*

Selection 50Hz Capacity (m³/min)





For Sewage, 4 poles





- 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.
- $\ensuremath{\textcircled{4}}$  Equipped with a motor with built-in auto-cut to prevent motor burnout.
- ⑤ Two types available: flange type and pedestal support type for easy maintenance and inspection



Non-automatic

Ability to pass foreign object 80



Flange type



Pedestal support type



Impeller

**50**Hz <sup>30</sup> Capacity (m³/min)

60Hz 0.3 0.4 0.5 0.6 0.7 0.8 1.0 Capacity (m3/min)

## **BU4** type

For Sewage, 4 poles

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.
  - $\ensuremath{\mathfrak{B}}$  Two types available: flange type 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

Ability to pass foreign object

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



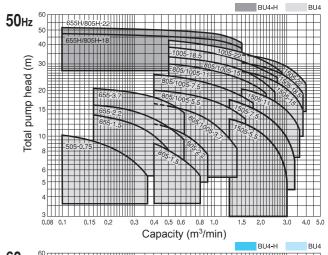
BU4 type

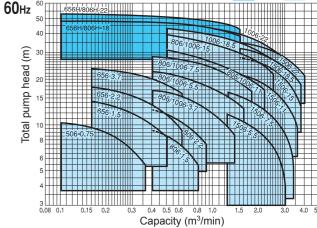
BU4-L type

BU4-LN type

BU4 type

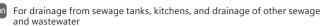
(pedestal support type)





# **AU4** type

For Sewage, 4 poles





- 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: flange type and pedestal support type for easy
- ⑤ Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

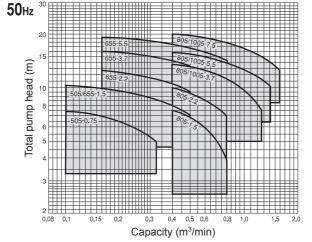
#### Types

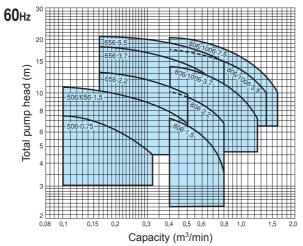
#### Ability to pass foreign objects

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

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.







# VU4 type

For Sewage, 4 poles



AU4 type

For discharge of sewage and wastewater



- 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
- ③ Equipped with a motor with built-in auto-cut (7.5kW or less) to prevent
- 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: flange type and pedestal support type for easy maintenance and inspection. Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).

#### Types

#### Ability to pass foreign objects

Operation	Model		Solid	
method	Model	Bore (mm)	Sphere diamete	
Non-automatic	VU4 type		(mm)	
Automatic	VU4-L type	50	50	
Auto alternate	VU4-LN type	65	65	
		80	80	

		Solid	Cloth				
	Bore (mm)	Sphere diameter (mm)	Packaging tape	Cotton gloves	Panty hose		
•	50	50	400mm or	0			
ре	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		

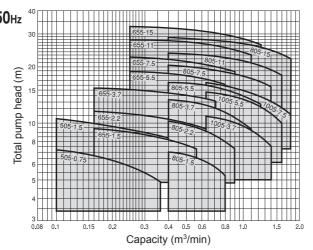


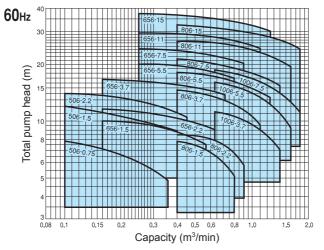
VU4-L type

Stainless steel impeller



VU4 type (pedestal support type)





# **VUS** type

#### For Sewage, 4 poles



For discharge of sewage and wastewater from buildings, factories, hospitals,



- 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 revents startup failure due to rusted impellers.
  - 4 Equipped with a motor with built-in auto-cut to prevent motor burnout.
  - $\ensuremath{\mathfrak{S}}$  Two types available: flange type and pedestal support type for easy maintenance and inspection.

#### Types Ability to pass foreign objects

	Model				Cloth		
Operation method	Model	Bore (mm)	Sphere diameter	Packaging	Packaging Cotton		
Non-automatic	VUS type		(mm)	tape	gloves	hosé	
Automatic	VUS-L type	50	50	400mm or	0	. 0	
Auto alternate	VUS-LN type	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			(60Hz, 3.7kW )	

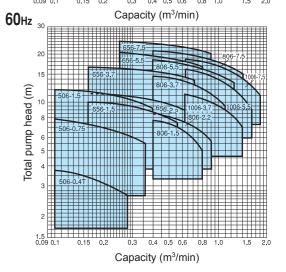






(pedestal support type) Note: Guide pipes are not included.

Selection 50Hz



#### efficiency non-clog impeller **BUM type**

pecial specification With flood detector · Please inquire for details.

#### For Manholes, 4 poles



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.



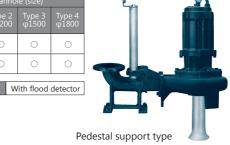
- Features ① The ability to pass foreign objects is 100% of the bore size (can discharge spherical solids with a diameter which equals to the bore size).
  - ② The closed-type, high-efficiency, non-clog impeller (patent pending) and our original casing structure provide high pumping performance with 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.

# Selection 50Hz Total pump 0.3 0.4 0.5 0.6 0.7 0.8 1.0 Capacity (m³/min)

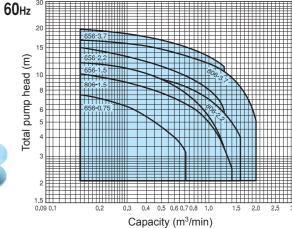
#### Ability to pass foreign objects



Pump		le (size)					
Bore (mm)	Type 1 φ900	Type φ120	2	Type 3 φ1500	Type 4 φ1800		
65		0		0	0		
80		0		0	0		
Special specification With flood detector					detecto		







Note: Guide pipes are not included.

# **VUM** type

For Manhole, 4 poles



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
  - $\ensuremath{\textcircled{2}}$  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

andard 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

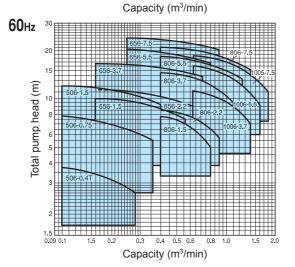
Pump		Manhole (size)						
Bore (mm)	Type 1 φ900	Type 2 φ1200	Type 3 φ1500	Type 4 φ1800				
50	0	0	0					
65		0	0	(3.7kW or above)				
80		0	0	0				
100			0	0				

Special specification With flood detector



Note: Guide pipes are not included.

# Selection 50Hz 0.3 0.4 0.5 0.6 0.8 1.0



# Separately sold parts

Control panel for ECM2 type manhole pump

suppressing scum and bad smell.

- 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	ECM-2-A type	ECM-2-P type			
Operation method		Alternate	Alternate/Parallel			
F	lated capacity	0.4 - 7.5kW	0.4 - 7.5kW×2			
display	Instruments	Voltmeter, ammeter, operation counter, operation timer (instruments other than the voltmeter are separate)				
Panel c	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	$\begin{array}{c} \phi 170 - 400mm \\ \hline \text{Installation metal fitting for } \phi 170 - 230mm \\ \hline \text{Installation metal fitting for } \phi 230 - 300mm \\ \hline \text{Installation metal fitting for } \phi 300 - 400mm \\ \hline \end{array}$				



#### Water level gauge (throw-in)

With weight (6m SUS chain)



#### Sump check valve

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



#### Float switch (EHF5-S type



· Please inquire for details.

Ball valve (stainless stee

## Special accessories

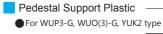
Hose Coupling (bamboo shoot shaped) Plastic —

■ For WUP3 type

Float Switch



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





Stainless Steel Pedestal Support

, ,		
	Model	Note
40	UJP-40-5K	
50	UJP-50-5K	0.75kW or less
30	UJP-50-7K	1.5kW
65	UJP-65-7K	1.5kW
05	UJP-65B-7K	2.2, 3.7kW
80	UJP-80-7K	

Includes a rope for hanging the pump.

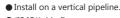
EHF5-4 type



Sump Check valve



Nylon coated



JIS IOK thin flange

• Operation pressure: 0.29MPa (3kgf/cm²) or less

Control Panel



ECD2-P type

ECDW-P type

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

	Туре	ECD2 type (indoor)	ECDW type (outdoor)	ECD2-P type (indoor)	ECDW-P type (outdoor)	ECDD-P type (outdoor with a pole)		
Co	ontrol method		ON-OFF co	entrol by input from	the float switch			
Оре	eration method	Indiv	idual		Alternate/Parallel			
R	ated capacity	0.15kW ~	~ 7.5kW		0.15kW ~ 7.5kW × 2	!		
R	lated voltage	Single	ohase 100V : 0.1	5kW ~ 0.4kW Three	phase 200V : 0.25kV	/ ~ 7.5kW		
Protection function (%1)		Overcurrent magnet switch	protection, fault detection	Phase failure, m	reverse phase, overcu agnet switch fault dete	rrent protection,		
	Power indicator light	(White)		(White)				
	Operation indicator light	○ (Red)		(Red): No1, No2 Individual indication				
Display	Fault indicator light	O(Orange)		O (Orange): No1, No2 Individual indication				
Display	Reverse phase indicator light			O (Orange): For three phase 200V only				
	Abnormal water pressure indicator light	0 (0	range)	(Orange)				
	Pump selection indicator light	_		○ (Red) : No1, No2				
	Ammeter	○ (A	nalog)	O (Digital, with 3-digit display)				
External signal	Operation	○ (%	(2)	(Collective)				
(no voltage)	Fault	○ (%	(3)	(Collective)				
	Water level	○ (%	(3)	0				
Al	arm buzzer	С	)	0				

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

Sump Pump Defect Detector

#### 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).

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/DU<sup>2</sup>/DUM2 type

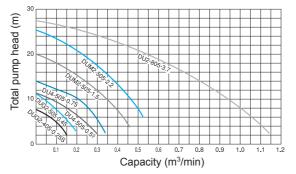
Application For general civil engineering and construction works, and drainage from pits,

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.











DU4 type







60Hz  $\widehat{\mathbb{E}}$ pump head Capacity (m³/min)

# LU2 type

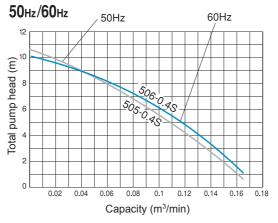
For Residual wate

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
  - ③ Uses aluminum frame motor to realize a light and compact design which is easy
  - ④ Equipped with a small powerful motor with built-in auto-cut to prevent motor

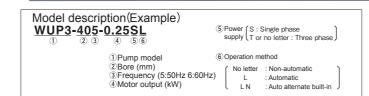


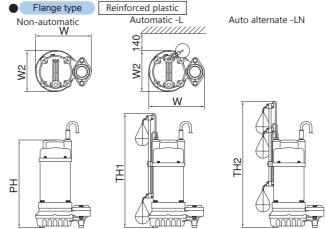




#### \* DUG2/DU<sup>2</sup><sub>4</sub>/DUM2 type and LU2 type are portable submersible sump pump for construction and submersible sump pump for residual water. Do not use them in long continuous operation or under an installation condition where the pump is completely under water at all times. The pump may break in short time.

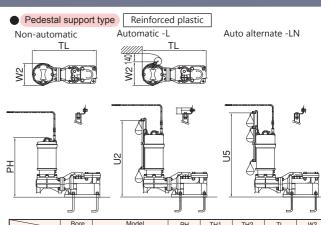
# Submersible Sump Pump Outline Dimension (The diagrams are for reference only) Please request a delivery specification when planning installation.





, <u>U</u> IIII	i dumin A i admin A i dumin A						
	Bore	Model	PH	TH1	TH2	W	W2
	32	WUP3-325/6-0.15SG	320			210	143
		WUP3-405/6-0.25SG	330			210	143
WUP3 type	40	WUP3-405/6-0.25TG	320			210	143
M		WUP3-505/6-0.4SG	355			234	170
	50	WUP3-505/6-0.4TG	340			234	170
		WUP3-505/6-0.75G	360			234	170
	32		374	510	545	210	143
	32	WUP3-325/6-0.15SL(N)G	384	510	545	210	143
WUP3-L(N) type	40	WUP3-405/6-0.25SL(N)G					
Α		WUP3-405/6-0.25TL(N)G	374	494	529	210	143
		WUP3-505/6-0.4SL(N)G	375	505	540	234	170
	50	WUP3-505/6-0.4TL(N)G	360	485	520	234	170
		WUP3-505/6-0.75L(N)G	380	505	540	234	170
	32	WUZ3-325/6-0.15SG	345			210	143
		WUZ3-325/6-0.15TG	345			210	143
	40	WUZ3-405/6-0.25SG	355			210	143
	40	WUZ3-405/6-0.25TG	345	—		210	143
		WUZ3-505/6-0.4SG	385			234	170
		WUZ3-505/6-0.4TG	370			234	170
WUZ2-3 type	50	WUZ3-505/6-0.75G	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
	80	WUZ2-655/6-3.7	581			372	216
		WUZ2-805/6-2.2	544			372	216
		WUZ2-805/6-3.7	581			372	216
		WUZ3-325/6-0.15SL(N)G	399	535	570	210	143
	32	WUZ3-325/6-0.15TL(N)G	399	519	554	210	143
		WUZ3-405/6-0.25SL(N)G	409	535	570	210	143
	40	WUZ3-405/6-0.25TL(N)G	399	519	554	210	143
			405	535	570	234	170
		WUZ3-505/6-0.4SL(N)G					
NUZ2·3-L(N) type	50	WUZ3-505/6-0.4TL(N)G	390	515	550	234	170
Α	65	WUZ3-505/6-0.75L(N)G	410	535	570	234	170
		WUZ2-505/6-1.5L(N)G	527	645	690	362	191
		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
	00	WUZ2-805/6-3.7L(N)G	616	795	840	372	216
		WUO3-405/6-0.15S	360			208	138
	40	WUO3-405/6-0.25S	370			208	138
		WUO3-405/6-0.25T	360	_	_	208	138
		WUO3-505/6-0.4SG	385	—	-	228	158
		WUO3-505/6-0.4TG	370	—	—	228	158
WUO(3) type	50	WUO3-505/6-0.75G	390			228	158
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
	- 55	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
		WUO3-405/6-0.15SL(N)G	414	550	585	208	138
	40		414	550	585	208	138
	40	WUO3-405/6-0.25SL(N)G					
		WUO3-405/6-0.25TL(N)G	414	534	569	208	138
		WUO3-505/6-0.4SL(N)G	405	535	570	228	158
		WUO3-505/6-0.4TL(N)G	390	515	550	228	158
	50	I MILLOS EDEZE O ZEL ANO	410	535	570	228	158
WUO3-L(N) type	50	WUO3-505/6-0.75L(N)G			000	362	191
WUO3-L(N) type	50	WUO-505/6-1.5L(N)G	497	600	660		
	50		497 497	600	660	362	191
	65	WUO-505/6-1.5L(N)G					191 216
WUO3-L(N) type A		WUO-505/6-1.5L(N)G WUO-655/6-1.5L(N)G	497	600	660	362	
		WUO-505/6-1.5L(N)G WUO-655/6-1.5L(N)G WUO-655/6-2.2L(N)G	497 549	600 750	660 810	362 372	216





	Dule	iviouei	PH	IHI	TH2	IL.	W2
	50	WUO-505/6-1.5	473			512	179
		WUO-655/6-1.5	473			512	179
WUO(3) type	65	WUO-655/6-2.2	540			552	216
M		WUO-655/6-3.7	577			552	216
	80	WUO-805/6-2.2	540			552	216
	80	WUO-805/6-3.7	577		—	552	216
	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
WUO3-L(N) type		WUO-655/6-2.2L(N)G	575	776	836	552	216
Α		WUO-655/6-3.7L(N)G	612	776	836	552	216
	80	WUO-805/6-2.2L(N)G	575	776	836	552	216
	00	WUO-805/6-3.7L(N)G	612	776	836	552	216

<ul><li>Flange type</li></ul>	Cast iron	
Non-automatic	Automatic -L	Auto alternate -LN
WS WS	W2 140	
H. Company		ns.

	Bore	Model	PH	U2	U5	W	W:
	40	YUK2-405/6-0.25S	387			216	15
YUK2 type	40	YUK2-405/6-0.25T	387			216	15
M		YUK2-505/6-0.4S	422			242	17
IVI	50	YUK2-505/6-0.4T	387			242	17
		YUK2-505/6-0.75	395			242	10
	40	YUK2-405/6-0.25SL(N)	422	435	485	216	15
YUK2-L(N) type	40	YUK2-405/6-0.25TL(N)	422	435	485	216	15
		YUK2-505/6-0.4SL(N)	434	450	500	242	17
Α	50	YUK2-505/6-0.4TL(N)	422	435	485	242	17
		YUK2-505/6-0.75L(N)	430	450	500	242	17
		SU4-505/6-0.75	375			255	16
SU4 type		SU4-505/6-1.5	420			270	20
M	50	SU4-505/6-2.2	550		-	372	2:
		SU4-505/6-3.7	550		-	372	2:
		SU4-505/6-0.75L(N)	420	500	560	255	16
SU4-L(N) type	50	SU4-505/6-1.5L(N)	480	515	575	270	20
A	50	SU4-505/6-2.2L(N)	605	680	750	372	23
		SU4-505/6-3.7L(N)	605	680	750	372	2:
		ZU3-505/6-0.4S	456			249	18
		ZU3-505/6-0.4T	394			249	18
	50	ZU3-505/6-0.75	397			254	19
		ZU3-505/6-1.5	446			301	23
7110 6		ZU3-655/6-1.5	446		_	301	23
ZU3 type	65	ZU3-655/6-2.2	592		-	352	26
M		ZU3-655/6-3.7	592			352	26
		ZU3-805/6-2.2	592			352	26
		ZU3-805/6-3.7	592			352	26
	80	ZU3-805/6-5.5	657			446	29
		ZU3-805/6-7.5	657			446	29
		ZU3-505/6-0.4SL(N)	456	510	570	249	18
	=-	ZU3-505/6-0.4TL(N)	456	510	570	249	18
ZU3-L(N) type A	50	ZU3-505/6-0.75L(N)	442	510	570	254	19
		ZU3-505/6-1.5L(N)	506	540	600	301	22
		ZU3-655/6-1.5L(N)	506	540	600	301	22
	65	ZU3-655/6-2.2L(N)	647	720	790	352	26
		ZU3-655/6-3.7L(N)	647	720	790	352	26
		ZU3-805/6-2.2L(N)	647	720	790	352	26
	80	ZU3-805/6-3.7L(N)	647	720	790	352	26





A : Automatic (Alternate) operation

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

# Pedestal support type Cast iron Auto alternate -LN Non-automatic

	'm   a	4 1		1004			D
	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
		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
	65	ZUJ-655/6-1.5L(N)	557	590	650	624	222
Α		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
	80	ZUJ-805/6-3.7L(N)	715	790	860	722	268

M : Manual operation A : Automatic (Alternate) operation

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

# Flange type Auto alternate -LN Automatic -L Non-automatic

Cast iron							
	Bore	Model	PH	U2	U5	W	W2
	50	AU4-505/6-0.75	484	_		379	232
	50	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
	00	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

Bore Model PH 50 BU4-505/6-0.75 499 BU4-655/6-1.5 549	U2	U5	W	W2
			401	242
604-655/6-1.5   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
	_		603	358
BU4-805/6-11 760			675	420
BU4-805/6-15 810 BU4-1005/6-3.7 663			675	420
			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
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
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-L(N) type BU4-655/6-3.7L(N) 688	767	837	537/502	323/304
A BU4-805/6-1.5L(N) 624	653	713	501/466	289/259
80 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
65 BUW655/6-1.5 634	-		506	290
BUW type BUW655/6-2.2 708			560	344
M BUW655/6-3.7 /08	_	_	560	344
BUW805/6-1.5 672	_	_	520	256
80 BUW805/6-2.2 746	_		583	312
BUW805/6-3.7 746	_		583	312
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 VU4-655/6-15 805	-		591	386
	-		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
VU4-1005/6-3.7 735	-		527	267
100 VU4-1005/6-5.5 761	_		570	311
VU4-1005/6-7.5 761			570	311
VU4-505/6-0.75L(N) 563	632	692	377	232
50 VU4-505/6-1.5L(N) 603	632	692	416	262
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
A 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
		VUS-1005/6-3.7	737			527	266
	100	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 operation A : Automatic (Alternate) operation

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

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

Cast iron							
	Bore	Model	PH	U2	U5	TL	W2
	50	AU4-505/6-0.75	512		_	574	232
		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
	100	AU4-1005/6-7.5	730			816	339
		AU4-505/6-0.75L(N)	562	631	691	574	232
	50		617	646	706	623	242
		AU4-505/6-1.5L(N)					
		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
Α		AU4-655/6-3.7L(N)	731	815/810	885/880	746/680	309/266
A		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
		BU4-805/6-1.5 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			_	
-			799			998/952 968	453/420 366
		BU4-1505/6-5.5					
		BU4-1505/6-7.5	799			968	366
	150	BU4-1505/6-11	842			1017	421
	100	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	0.5	BU4-655/6-22H	935		_	990	481
M	-00	BU4-805/6-18H	935			990	481
	80	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	00		727	806	876	757/722	
		BU4-655/6-3.7L(N) BU4-805/6-1.5L(N)		681	891	_	323/304
Α	00		624/652	815	885	721/686	289/259
	80	BU4-805/6-2.2L(N)	708/736			721/686	289/259
	100	BU4-805/6-3.7L(N)	718/761	840	910	787	332
	100	BU4-1005/6-3.7L(N)	718/761	840	910	799	332
		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
М		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
	80	VU4-805/6-7.5	755	-	-	804/766	336/304
			802			833/804	384/336
		VU4-805/6-11	002				
		VU4-805/6-11 VU4-805/6-15	852	_	_	833	384
				_	_	833 792	
	100	VU4-805/6-15	852		=		384

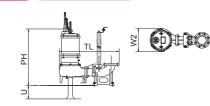
	792	267
_	835	311
	835	311
	p activation v	

	Bore	Model	PH	U2	U5	TL	W2
		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
	65	VU4-655/6-1.5L(N)	670	698	758	676/643	262/232
VU4-L(N) type		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

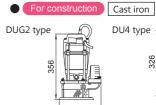
	Bore	Model	PH	U2	U5	TL	W2
		VUS-505/6-0.4T	530			577	232
	50	VUS-505/6-0.75	530			577	232
		VUS-505/6-1.5	570			615	262
		VUS-655/6-1.5	609			676/642	262/23
		VUS-655/6-2.2	698			676/642	262/23
	65	VUS-655/6-3.7	698			718	302
		VUS-655/6-5.5	710			767/718	332/29
VUS type		VUS-655/6-7.5	710			767	332
M		VUS-805/6-1.5	643		_	666	232
	80	VUS-805/6-2.2	731			711/666	267/23
		VUS-805/6-3.7	731		_	711	267
		VUS-805/6-5.5	743			766	304
		VUS-805/6-7.5	743			804/766	336/30
		VUS-1005/6-3.7	766	_	_	791	266
		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	262/23
VUS-L(N) type A	65	VUS-655/6-2.2L(N)	753	832	902	676/642	262/23
		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	267/23
		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 U	I L	VV2
		BUM655/6-0.75	617	325	674	237
	65	BUM655/6-1.5	646	305	726	290
	0.5	BUM655/6-2.2	720	305	780	344
BUM type		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
		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
	65	VUM-655/6-1.5	609	231	676/642	262/232
		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 type		VUM-655/6-7.5	710	231	767	332
VOIN 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













M: Manual operation
A: Automatic (Alternate) operation

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

M: Manual operation A: Automatic (Alternate) operation

U5: (Parallel operation activation)



Comfort Earth®

Kawamoto Pump, as a company handling valuable "water", will endeavor as a united force under our slogan "Comfort Earth", and make initiatives for activities to reduce environmental burdens and protect the environment.



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.lt 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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Distributer

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http://www.kawamoto.co.jp

Head office: 4-11 Osu, Naka-ku, Nagoya-shi Zip 460-8650 Nagoya (052)251-7171 (Main)

Name	Submersible Sump Pump
No.	3710 Y (E)