

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)



High durability

High efficiency Rust resistant





Reinforced glass fiber resin WUP4 type

For Wastewater, 2 poles

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

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

kgCorrosion proof and long-life.
 JgEquipped with a small special motor with built-in auto-cut of a large starting torque to ensure safety.

m[®]Vortex type and excellent performance to pass foreign objects. n[®]Strainer is quick detachable type for easy cleaning and maintenance. p[®]Can be paired with plastic pedestal support (special accessory). r[®]Japan Public Buildings Association compliant. (50mm-bore products) s[®]Starting/stopping water levels are adjustable in L and LN types. J[®]Improved strainer strength. (compared to our conventional models)

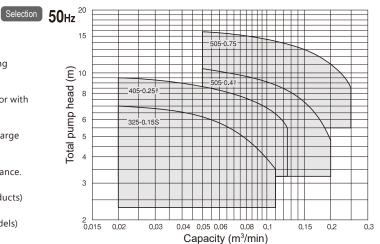


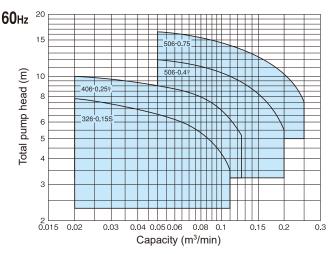






Selection





WUZ2/4 type For Seawater and Wastewater, 2 poles

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

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

JEVortex type and excellent in the ability to pass foreign objects.
mEquipped with a motor with built-in auto-cut having a large torque to prevent burn damage.

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

pDapan Public Buildings Association compliant. (50mm-bore products) pDStarting/stopping water levels are adjustable in L and LN types. spImproved strainer strength. (compared to our conventional models).

Ability to pass foreign objects

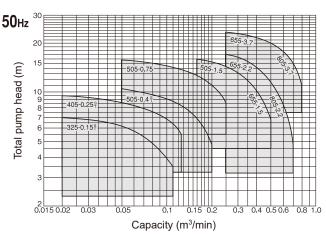
Types		Abili
Operation method	Model	Ou
Non-automatic	WUZ2/4 type	0.25kW
Automatic	WUZ2/4-L type	0.4, 0.7
Auto alternate	WUZ2/4-LN type	1.5kW
		2.2kW (

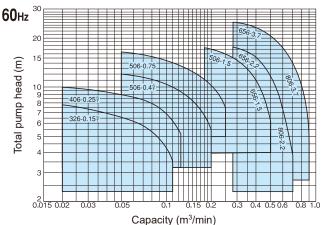
Ability to pass foreign objects					
Output	Diameter of foreign objects (sphere) (mm)				
0.25kW or less	14				
0.4, 0.75kW	20				
1.5kW	35				
2.2kW or above	40				
k					











WUZ2/4 type

WUZ2/4-LN type

3

YUK2 type

For Wastewater, 2 poles

Selection

50Hz 2

10

602

Selection

0.0

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

gESemi-open stainless steel impeller prevents foreign objects from clogging. Features k^DSignificantly improved ability to pass foreign objects.u

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

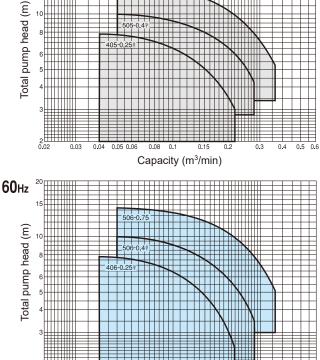
maCan be combined with a plastic pedestal support (special accessory).

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









0.4 0.5 0.6

YUK2 type





For Wastewater, 2 poles

Application

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

Features galclosed impeller made of Bronze provides excellent pumping performance without startup failures due to rusted impellers. kEquipped with a motor with built-in auto-cut to prevent motor burnout. 12Attached with a special strainer to prevent suction of foreign objects. m[®]The flange is attached with a pedestal support to avoid excess load to be applied to the pump.

n 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 р (automatic, auto alternate built-in).
- 5.5kW and 7.5kW model adopt Stainless cast steel (304)

Types

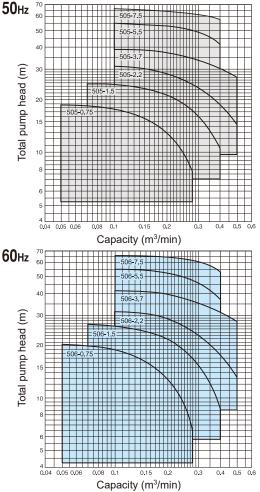
Operation method	Model
Non-automatic	SU4 type
Automatic	SU4-L type
Auto alternate	SU4-LN type







SU4 type (Pedestal support type)





Reinforced glass fiber resin WUO(4) type

For Sewage, 2 poles

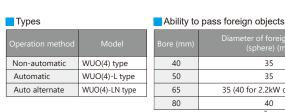
Selection

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

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

k Stainless steel made frame motor and plastic parts increase operating life.] Duses reinforced glass fiber resin for the impeller and casing, and equipped with a motor with built-in auto-cut having a large starting torque for stable operation.

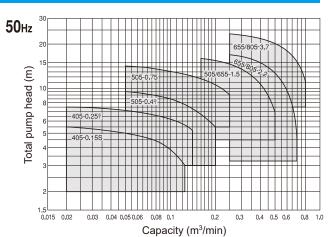
mgVortex type and excellent performance to pass foreign objects. ngCan be combined with a plastic pedestal support (special accessory). pIStarting/stopping water levels are adjustable in L and LN types.

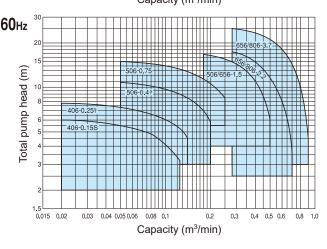






35





ZU3/ZUJ

ZU4

ZU4

ZU3/4 ZUJ/4 type

For Sewage, 2 poles

Selection

50Hz

3

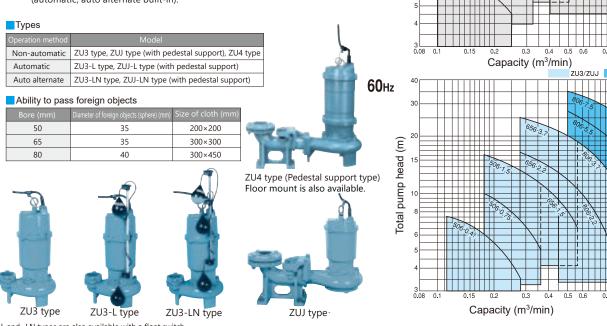
(E head

d dund

Total

Application Sewage and wastewater with solids

- Features g The S-shaped impellers provides excellent ability to pass foreignob jects.
 - κ 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 nspection.
 - n, Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).



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

High-efficiency non-clog impeller

For Sewage, 4 poles

Selection



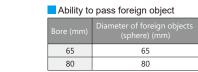
For drainage of sewage and wastewater, discharge of sump from buildings, factories, hospitals, apartments, etc.

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.

] Duses highly corrosion proof stainless steel for the impeller.

- mgEquipped with a motor with built-in auto-cut to prevent motor burnout. n, Two types available: floor mount and pedestal support type for easy
- maintenance and inspection.

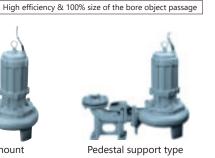




Types

Non-automatic

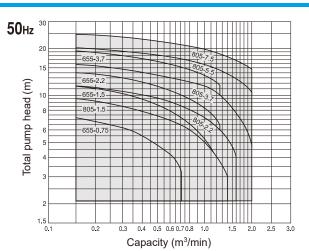
Floor mount

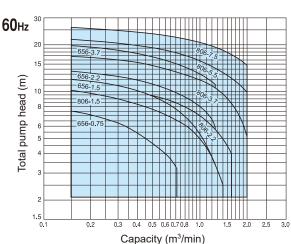






Selection





BU4 type



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.
 -] 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).
 - n, 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	

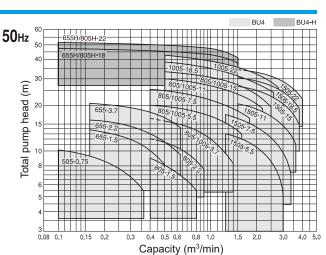
		,
	Diameter of foreign objects (sphere) (mm)	Size of cloth (mm)
50	35	300×300
65	35	300×450
80	53	1.5kW : 300×450
100	53	2.2·3.7kW : 300×900 5.5~22kW : 200×300
150	53	
ith restart.		

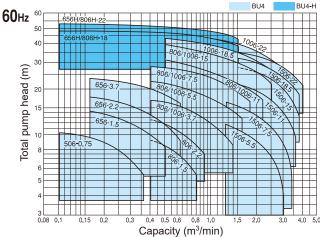






BU4-LN type BU4 type (Pedestal support type)





AU4 type

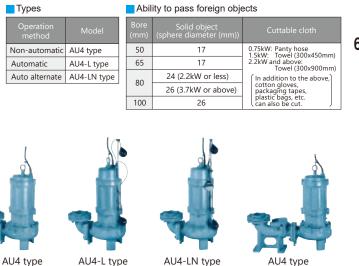
For Sewage, 4 poles

Selection

Application

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.
 -] 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).

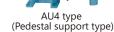


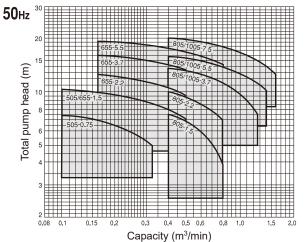


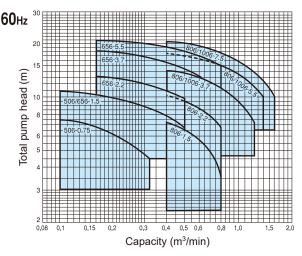
Features



AU4-LN type







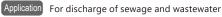
Vortex type VU4 type











- Excellent ability to pass foreign objects without entangling. (Can g discharge spherical solids with a diameter which equals to the bore size.)
- k, Our original casing structure (patented) provides excellent pumping performance.
-] Equipped with a motor with built-in auto-cut (7.5kW or less) to prevent motor burnout.
- $\ensuremath{\mathfrak{m}}$ 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 ŋ, maintenance and inspection. Some models with output of 3.7kW or less are available with a float switch (automatic, auto alternate built-in).



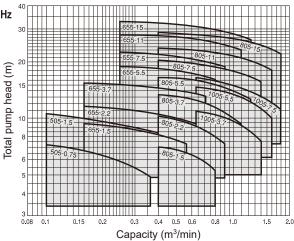
VU4-LN type

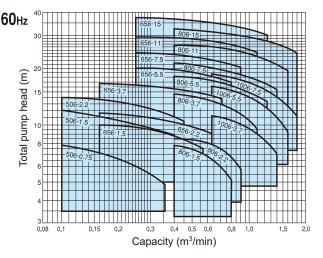
VU4 type

(Pedestal support type)

VU4-L type

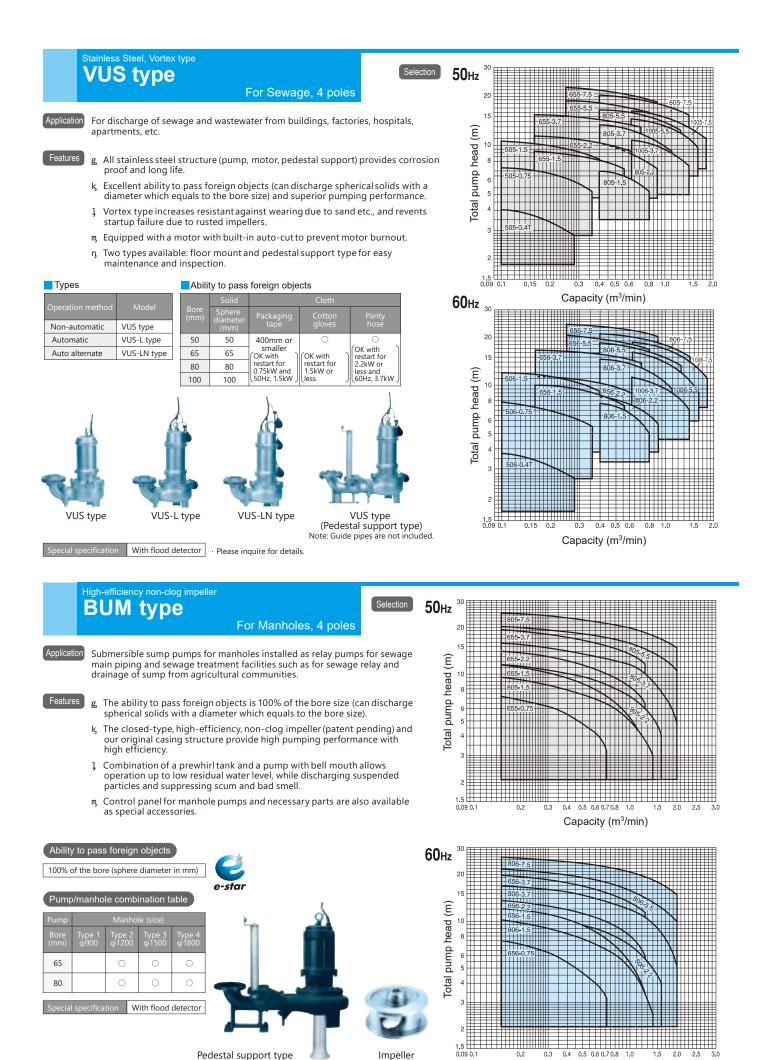
ial specification Stainless steel impeller







VU4 type



Pedestal support type

Note: Guide pipes are not included.

Capacity (m³/min)

VUM type

For Manhole, 4 poles

50Hz Selection

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

- Features g $\ensuremath{\mathbbm S}$ Stainless steel made precision casting (SCS) is used in the pump and pedestal support, which gives features of high corrosion proof and durable with long service life.
 - k The sump pump is a vortex type with non-blocking feature, with a 4-pole (Can discharge spherical solids with a diameter which equals to the bore size.)
 - $\ensuremath{\ensuremath{\mathbb{I}}\xspace}\xspace$ Combination of a prewhirl tank and a pump with bell mouth allows operation up to low residual water level, while discharging suspended particles and suppressing scum and bad smell.

Standard accessories

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

Ability to pass foreign objects

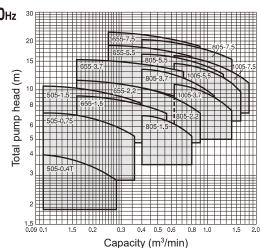
100% of the bore (sphere diameter in mm)

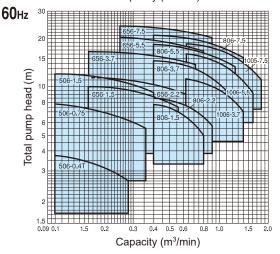
Pump/manhole combination table

Pump	Manhole (size)					
Bore (mm)	Type 1 φ900	Type 4 φ1800				
50	0	0		0		
65	0		0 0		(3.7kW or above)	
80		0		0	0	
100			0			
Special specification With flood detector						



Note: Guide pipes are not included.





Separately sold parts

Control panel for ECM2 type manhole pump

Features

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

Specifications

Model ECM2-A type			ECM2-P type		
Op	eration method	Alternate	Alternate/Parallel		
R	ated capacity	0.4 - 7.5kW	0.4 - 7.5kW×2		
Panel display	Instruments	Voltmeter, ammeter, operation counter, operation timer (instruments other than the voltmeter are separate)			
Panel o	Indicator light	ght Operation, stop, fault (separate) Manhole water level (HH, H, L level), abnormal high water lev			
	External dimensions (max.) 1400×700×350mm (length × width × depth)				
Applicable pole for installation φ170 - 400mm Installation (Installation metal fitting for φ170 - 230mm) Installation metal fitting for φ230 - 300mm Installation metal fitting for φ300 - 400mm/			r φ230 - 300mm		





Weight



Ball valve (stainless steel)

Please inquire for details.



Sump check valve

(Please inquire for stainless steel valves.)

Nylon coated valve

Check valve

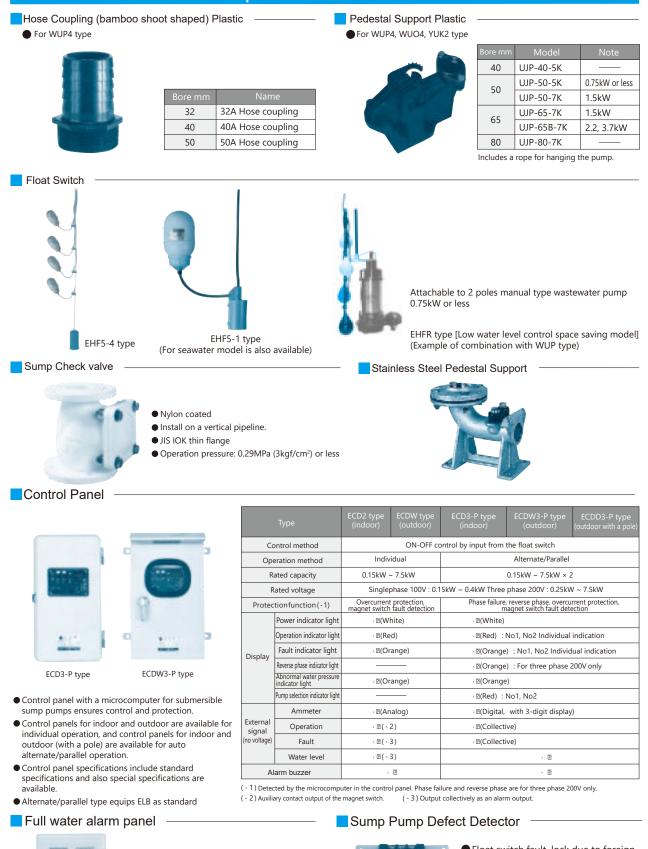
Float switch (EHF5-S type)

For backup





Special accessories



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



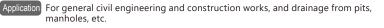
EFS type

- 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

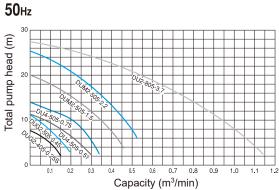
EBA-¹₂ type

DUG2/DU²/DUM2 type For Construction

Selection



Features geUses semi-open impeller to avoid clogging by foreign objects. k[®]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.





DUG2 type

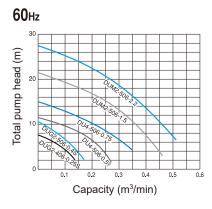


DU4 type





DU2 type



LU2 type

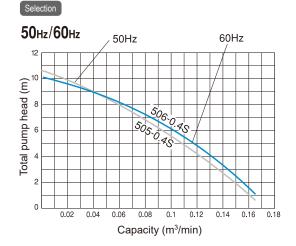
For Residual water



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

DUM2 type

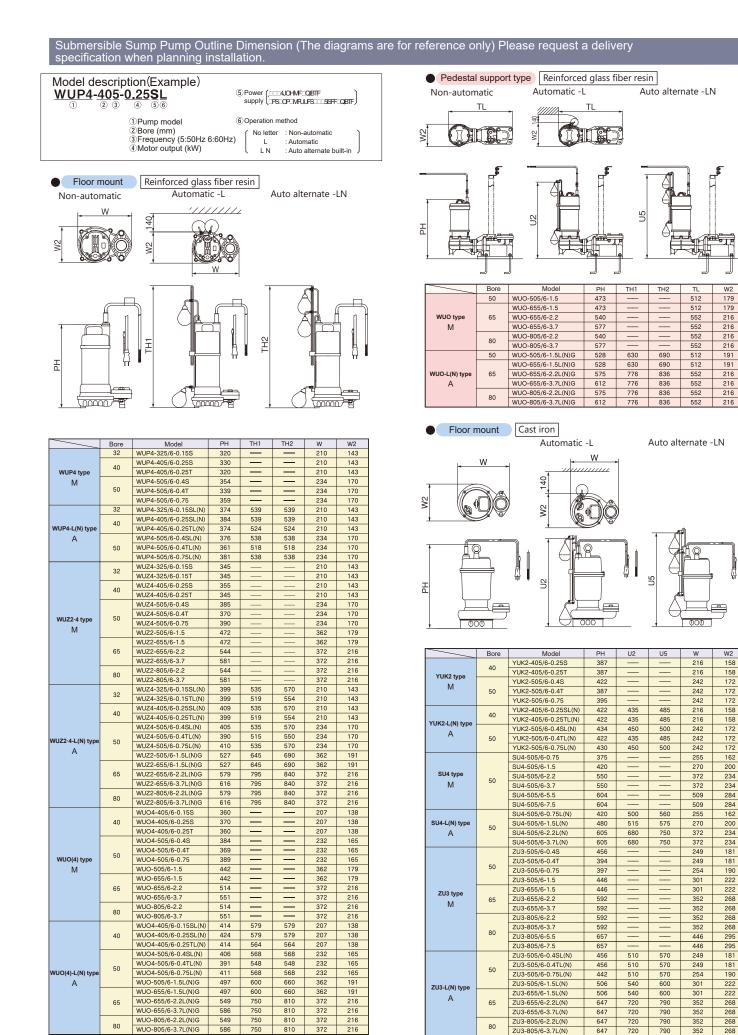
- Features g Residual water sump pump with excellent drainage performance, with the minimum pumping water level in millimeter order. (The minimum pumping water level varies depending on the bottom surface conditions. 1 - 3mm)
 - k, In-pump air separation mechanism prevents air lock and improves re-pumping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





LU2 type

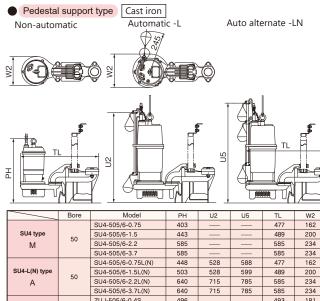
* DUG2/DU²/DUM2 type and LU2 type are portable submersible sump pump for construction and submersible sump pump for residual water. Do not use them in long continuous operation or under an installation condition where the pump is completely under water at all times. The pump may break in short time.



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

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



		SU4-505/6-3.7	585			585	234
		SU4-505/6-0.75L(N)	448	528	588	477	162
SU4-L(N) type	50	SU4-505/6-1.5L(N)	503	528	599	489	200
А	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
	80	ZUJ-805/6-2,2	660			722	268
		ZUJ-805/6-3.7	660			722	268
		ZUJ-805/6-5.5	693			751	317
		ZUJ-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 A		ZUJ-505/6-1.5L(N)	557	590	650	624	222
		ZUJ-655/6-1.5L(N)	557	590	650	624	222
	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
	- 50	ZUJ-805/6-3.7L(N)	715	790	860	722	268

Automatic -L C

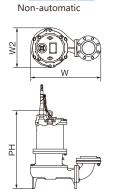
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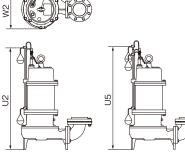
M : Manual operation A : Automatic (Alternate) operation For model ZU4-80-5.5/7.5, refer to P.14.

Floor mount

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

Auto alternate -LN





Cast iron

	Bore	Model	PH	U2	U5	W	W2
ZU4 type	80	ZU4-805/6-5.5	669			523	294
M	00	ZU4-805/6-7.5	669			523	294
	50	AU4-505/6-0.75	484			379	232
	00	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
М		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
	100	AU4-1005/6-3.7	656		-	558	300
		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
		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 A	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
		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

			AU4-80
		100	AU4-10
	Manual opera Automatic (A		peration

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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
	000	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
		BU4-1505/6-11	765			747	421
	150	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	05	BU4-655/6-22H	897			725	481
М		BU4-805/6-18H	897			725	481
	80	BU4-805/6-22H	897			725	481
	50	BU4-505/6-0.75L(N)	549	618	678	401	242
			599	628	688	401	
	65 80	BU4-655/6-1.5L(N)					273
Dille Lenne		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
		BU4-805/6-2.2L(N)	708	787	857	501/466	289/259
		BU4-805/6-3.7L(N)	718	797	867	572	332
		BU4-1005/6-3.7L(N)	718	797	867	584	332
		BUW655/6-0.75	602	151		454	237
			634				237
	65	BUW655/6-1.5				506	
		BUW655/6-2.2	708			560	344
BUW type		BUW655/6-3.7	708			560	344
		BUW805/6-1.5	672			520	256
м		BUW805/6-2.2	746			583	312
	80	BUW805/6-3.7	746			583	312
		BUW805/6-5.5	771			642	379
			771	_	_		379
		BUW805/6-7.5				642	
		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	-	1				
	00	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
М		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
						551	304
	80	VU4-805/6-5 5	799				
	80	VU4-805/6-5.5	722				
	80	VU4-805/6-7.5	722			589/551	336/304
	80	VU4-805/6-7.5 VU4-805/6-11	722 770/769			589/551 618/589	336/304 384/336
	80	VU4-805/6-7.5	722			589/551	336/304
	80	VU4-805/6-7.5 VU4-805/6-11	722 770/769			589/551 618/589	336/304 384/336
	80	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15	722 770/769 820			589/551 618/589 618	336/304 384/336 384
		VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7	722 770/769 820 735			589/551 618/589 618 527	336/304 384/336 384 267
		VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-5.5 VU4-1005/6-7.5	722 770/769 820 735 761 761	 632	 692	589/551 618/589 618 527 570 570	336/304 384/336 384 267 311 311
	100	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-5.5 VU4-1005/6-7.5 VU4-505/6-0.75L(N)	722 770/769 820 735 761 761 563	 632 	 692 692	589/551 618/589 618 527 570 570 377	336/304 384/336 384 267 311 311 232
		VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-5.5 VU4-1005/6-7.5 VU4-505/6-0.75L(N) VU4-505/6-1.5L(N)	722 770/769 820 735 761 761 563 603	632	692	589/551 618/589 618 527 570 570 377 416	336/304 384/336 384 267 311 311 232 262
	100	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-7.5 VU4-1005/6-7.5 VU4-505/6-0.75L(N) VU4-505/6-1.5L(N) VU4-506/6-1.2L(N)	722 770/769 820 735 761 761 563 603 687	632 632	692 863	589/551 618/589 618 527 570 570 377 416 416	336/304 384/336 384 267 311 311 232 262 262 262
	100	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-7.5 VU4-1005/6-7.5 VU4-505/6-7.5L(N) VU4-505/6-1.5L(N) VU4-505/6-1.5L(N)	722 770/769 820 735 761 761 563 603 687 640	632 632 669	692 863 729	589/551 618/589 618 527 570 570 377 416 416 456/423	336/304 384/336 384 267 311 311 232 262 262 262 262/232
VU4-L(N) type	100	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-7.5 VU4-505/6-0.75L(N) VU4-505/6-0.75L(N) VU4-505/6-1.5L(N) VU4-655/6-1.5L(N) VU4-655/6-1.5L(N)	722 770/769 820 735 761 761 563 603 687	632 632	692 863	589/551 618/589 618 527 570 570 377 416 416	336/304 384/336 384 267 311 311 232 262 262 262 262/232
VU4-L(N) type A	100	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-7.5 VU4-1005/6-7.5 VU4-505/6-7.5L(N) VU4-505/6-1.5L(N) VU4-505/6-1.5L(N)	722 770/769 820 735 761 761 563 603 687 640	632 632 669	692 863 729	589/551 618/589 618 527 570 570 377 416 416 456/423	336/304 384/336 384 267 311 311 232 262 262 262 262/232
	100	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-3.5 VU4-505/6-0.75L(N) VU4-505/6-0.75L(N) VU4-505/6-2.2L(N) VU4-655/6-2.2L(N) VU4-655/6-3.7L(N)	722 770/769 820 735 761 761 563 603 687 640 724	632 632 669 803 803	692 863 729 873	589/551 618/589 618 527 570 570 377 416 416 456/423 456/423 500	336/304 384/336 384 267 3111 3111 232 262 262 262 262 262/232 262/232 262/232 303
	100 50 65	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-3.5 VU4-1005/6-7.5 VU4-505/6-7.5L(N) VU4-505/6-1.5L(N) VU4-505/2-2.2L(N) VU4-655/6-3.7L(N) VU4-655/6-3.7L(N) VU4-655/6-3.7L(N)	722 770/769 820 735 761 761 563 603 687 640 724 724 669	632 632 669 803 803 698	692 863 729 873 873 873 758	589/551 618/589 618 527 570 570 377 416 416 456/423 456/423 500 452	336/304 384/336 384 267 311 311 232 262 262 262 262 262 232 262/232 262/232 303 232
	100	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-7.5 VU4-505/6-0.75L(N) VU4-505/6-0.75L(N) VU4-505/6-0.75L(N) VU4-655/6-1.5L(N) VU4-655/6-3.7L(N) VU4-655/6-3.7L(N) VU4-855/6-1.5L(N)	722 770/769 820 735 761 563 603 687 640 724 724 669 753	632 632 669 803 803 698 832	692 863 729 873 873 758 902	589/551 618/589 618 527 570 570 377 416 456/423 456/423 500 452 495/452	336/304 384/336 384 267 311 311 232 262 262 262 262 262 262 230 303 232 267/232
	100 50 65	VU4-805/6-7.5 VU4-805/6-11 VU4-805/6-15 VU4-1005/6-3.7 VU4-1005/6-3.5 VU4-1005/6-7.5 VU4-505/6-7.5L(N) VU4-505/6-1.5L(N) VU4-505/2-2.2L(N) VU4-655/6-3.7L(N) VU4-655/6-3.7L(N) VU4-655/6-3.7L(N)	722 770/769 820 735 761 761 563 603 687 640 724 724 669	632 632 669 803 803 698	692 863 729 873 873 873 758	589/551 618/589 618 527 570 570 377 416 416 456/423 456/423 500 452	336/304 384/336 384 267 3111 3111 232 262 262 262 262 262/232 262/232 262/232 303 232

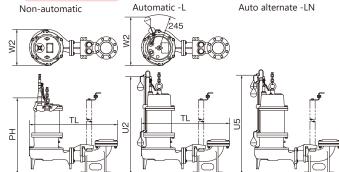
Stainless steel

	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	e 65	VUS-655/6-2.2L(N)	724	803	873	456/423	262/232
A		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

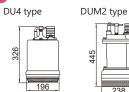


Cast iron

	Bore	Model	PH	U2	U5	TL	W2
ZU4 type		ZU4-805/6-5.5	705			743	294
M	80	ZU4-805/6-7.5	705			743	294
		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
		AU4-655/6-2.2	676			680	266
	65	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
		AU4-805/6-2.2	681			684/652	264/237
м	80	AU4-805/6-3.7	706			761	300
	80	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	700			816/773	339/300
	100	AU4-1005/6-7.5	730			816	339/300
		AU4-1005/6-7.5 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
A		AU4-655/6-3.7L(N)	731	815/810	885/880	746/680	309/266
~		AU4-805/6-1.5L(N)	652/657	681	751	684/651	264/237
	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
	100	BU4-1005/6-5.5	730			831	358
М		BU4-1005/6-7.5	730			831	358
		BU4-1005/6-11	773			912	420
		BU4-1005/6-15	848			952	420
			917				
		BU4-1005/6-18.5				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
		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
Μ	80	BU4-805/6-18H	935			990	481
	00	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
A		BU4-805/6-1.5L(N)	624/652	681	891	721/686	289/259
	80	BU4-805/6-2.2L(N)	708/736	815	885	721/686	289/259
		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
		BUW655/6-0.75	626			674	237
		BUW655/6-1.5	655			726	290
	65	BUW655/6-2.2	720			780	344
		BUW655/6-3.7	720			780	344
BUW type		BUW805/6-1.5	698.5			735	256
Μ			764			735	312
	00	BUW805/6-2.2					
	80	BUW805/6-3.7	764			798 857	312 379
		BUW805/6-5.5 BUW805/6-7.5	788 788			857	379

For construction

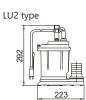




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ÂT E

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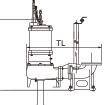
/	Bore	Model	PH	U2	U5	TL	W2
		VU4-505/6-0.75	590			577	232
	50	VU4-505/6-1.5	590			616	262
		VU4-506-2.2	590		—	616	262
		VU4-655/6-1.5	620			676/643	262/232
		VU4-655/6-2.2	699			676/643	262/232
		VU4-655/6-3.7	699			720	303
	65	VU4-655/6-5.5	723			767/720	335/303
		VU4-655/6-7.5	723			767	335
		VU4-655/6-11	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
A		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

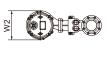
Stainless steel

	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
M		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			791 835	266
	100	VUS-1005/6-5.5	778				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	VUS-655/6-2.2L(N)	753	832	902	676/642	262/232
A		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	767 3 666 3 711/666 26 711/66 26 711 766 804/766 33 835 3 835 5 577 3 676/642 26 718 5 676/642 26 711/666 26 711/66 27	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
	50	VUM-505/6-0.4T	530	248	577	232
		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

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



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

Important Safety Precautions Precautions Precautions for using products safely and for preventing personal injuries or physical damage are given

Always read the manual thoroughly and fully comprehend the contents for safe operation before starting use. in the manual

- Matters falling under the following may not be covered by the warranty: uses out of the specified scope of application, failure to comply with precautions, improper repairs and alterations, matters arising from natural disasters, matters arising from the installation environment (improper power source, foreign objects, sand etc.), non-compliance with laws and regulations or standards pertaining thereto, accidental or intentional damage or injury, replacement of consumable parts, defects due to resale, etc.
- Do not use the product for applications out of the product specifications. Doing so may cause electric shock, fire, water leakage, etc.
- Have spare equipment ready when using pumps for equipment for living things (fish farms, fish tanks, aquariums, etc.) or critical equipment.
- Pump failure may cause lack of oxygen and water quality deterioration, and may affect the lives of the living things.

When using pumps for equipment for living things (fish farms, fish tanks, aquariums, etc.), do not install the pump in the tank where the living things are put into. The current leakage or sealing liquid leak from the mechanical seal may cause the death of the living things.

- If used to transport food-related items, give due consideration to the materials used. Contamination by foreign objects may occur.
- Avoid using for living things which disagrees with copper alloy. It may affect the lives of the living things.
- Select a product which is appropriate for your application. Inappropriate use of products may cause accidents.
- Conduct construction in accordance with the applicable laws and regulations (the Technical Standards of Electric Installation, interior wiring regulation, Building Standards Act, Water Supply Law, etc.).Not only does it violate the laws and regulations, but it also may cause injuries due to electric shock, fire, falling and tipping over.
- Do not use in places where people are assumed to get in contact with the product (baths, pools, lakes, etc.). Electric leak may occur and cause electric shock.
- Depending on the equipment, attach a filter etc. appropriate for your application on the discharge side before use, perform thorough flushing to check that there is no contamination. Cutting oil, rubber mold releasing agent, foreign objects etc. from the manufacturing line and cutting oil, foreign objects etc. from the pipeline may contaminate the liquid which is to be handled.
- Do not operate pumps with a specification of 50Hz at 60Hz. It may cause damage due to overpressure or burn damage of motors etc. due to overload. Do not operate pumps with a specification of 60Hz at 50Hz. Pump performance may be reduced.
- Only repair technicians may disassemble, repair, modify the product or replace cables. Defects may cause failure, damage, electrification or fire.
- It is recommended that both periodic and daily inspections be performed in order to ensure that the pump will operate reliably for as long as possible. Failure to perform inspections may lead to pump failure, accidents etc.For periodic inspections, please consult your distributer or our nearest sales office.

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

Distributor

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For any question about pumps, please contact your nearest distributor

Name	Submersible Sump Pump
No.	3710 Y 🖲