

[PRODUCTS OUTLINE] SUBMERSIBLE PUMPS

Submersible Techno Solution

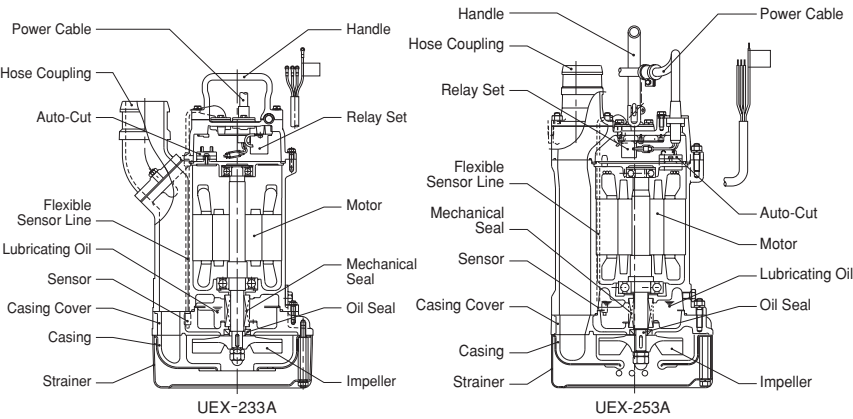
Challenging problems to solve by means of submersible technology

(R5417465)

Automatic-operated submersible dewatering pumps by means of capacitance mode sensor (IT Pump)

UEX Series

- Due to difference in terms of capacitance between air and water, these pumps are automatically operated with the flexible sensor capable for shifting water level.
- If you set up the end of the sensor at the highest position of the water level you want, these pumps will operate automatically at your will.



Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
UEX-212A	50	10	0.17	0.75
UEX-222A	50	15	0.2	1.5
UEX-233A	80	12	0.4	2.2
UEX-253A	80	18	0.5	3.7
UEX-254	100	9	1.0	3.7

NOTE : Three phase, 380-415V.

Automatic-operated submersible dewatering pumps by means of capacitance mode sensor Automatic alternative operation for submersible dewatering pumps

UOX/UOX-W Series

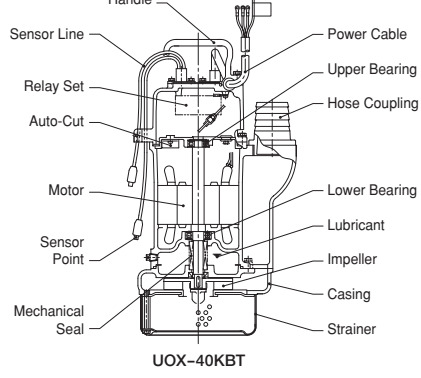
- With capacitance mode sensor.
- Sensor line is flexible type, easy to shift the shape to change the level of water.
- Sensors do not have On/Off difference, low level and high level shall be judged by means of the programmable computer built in the head of the pump.
- It is possible to fix the sensing position by using the support bar.
- Sensing portion of the sensor is small and simple in design, which makes it easy to install the pump at confined places as done with the conventional pump without level control switches.



UOX-40KBT

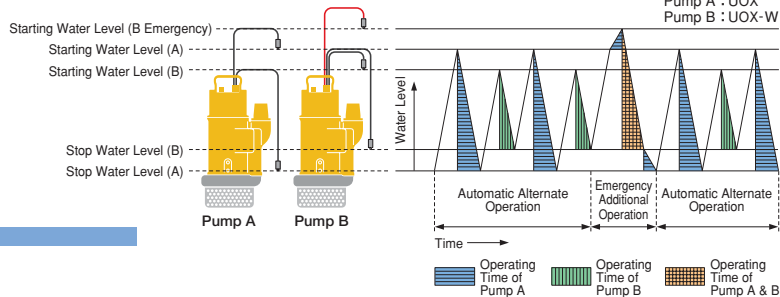


UOX-212KAW



Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
UOX Series				
UOX-40KBT	50	8	0.1	0.4
UOX-212KA	50	10	0.2	0.75
UOX-222KA	50	18	0.2	1.5
UOX-232KA	50	20	0.3	2.2
UOX-233KC	80	14	0.4	2.2

NOTE : Three phase, 380-415V.



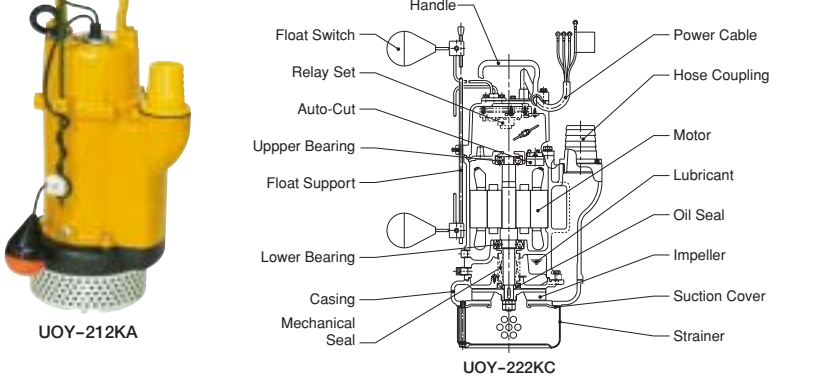
Automatic-operated submersible dewatering pumps Automatic alternative operation for submersible dewatering pumps

UOY/UOY-W Series

- Pumps for UOY series have settled the problems which conventional pumps used to have. Built-in micro-computer makes the pumps for versatile operation, saving energy and longer life of these pumps.
- Equipped with protector against getting stuck at the portion of these pumps.
- Long-life oriented changeover switch due to non-contact relay.
- Sure to operate to the lowest level after switch on.
- Unaffected function by such a condition as of turbulent wave.
- Optional sensing system is available in accordance with water quality, installing site of these pumps. (Interchangeable with float sensor)

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
UOY Series				
UOY-212KA	50	10	0.2	0.75
UOY-222KC	50	18	0.2	1.5
UOY-232KA	50	20	0.3	2.2
UOY-233KC	80	14	0.4	2.2

NOTE : Three phase, 380-415V.



Automatic-operated vortex type submersible dewatering pumps with float type level control switch

USO Series

- Based on US Series, the pumps in USO Series are equipped with built-in level control switch together with float switch for level sensing portion.

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
USO-40A	50	8	0.1	0.4
USO-75A	80	10	0.17	0.75

NOTE : Single phase, 220-240V.

Vortex Type Submersible Dewatering Pumps

US/USF Series

- Vortex type impeller is employed.
- USF-212 is excellent in wearing resistance for longer life operation in a variety of media.



US Series

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
US-40A*	50	8	0.1	0.4
US-75A*	80	10	0.17	0.75
US-212A**	50	10	0.17	0.75
US-222A**	80	15	0.2	1.5
US-233A**	80	12	0.4	2.2
US-253A**	100	18	0.5	3.7

NOTE : *Single phase, 220-240V. **Three phase, 380-415V.

USF Series

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
USF-212	50	10	0.17	0.75

NOTE : Three phase, 380-415V.

Economical Submersible Dewatering Pumps

U-K Series

- Extremely compact and light-weight design.
- "Save-energy type", high efficient and save power consumption design.



Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
U-212KA	50	10	0.2	0.75
U-222KC	50	18	0.2	1.5
U-233KC	50	20	0.3	2.2
U-244KA	80	14	0.4	2.2
U-254KA	100	12	1	3.7
U-264KA	100	15	1	4.5
U-486KB	150	10	2	5.5
U-4126K	150	16	2	9
U-4158K	200	10	4	11
U-4308KB	200	20	4	22

NOTE : Three phase, 380-415V.

Light-weight / Submersible Dewatering Pumps for Deep-well Application

UC/UCF Series

- Minimum light-weight realized by using aluminum materials (for UC series).
- The outlet is optional: in hose coupling type or in center-flange type.
- Using iron casting for the main material, UCF series are robust for heavy-duty application.



Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
UC-252	50	30	0.2	3.7
UCF-252	50	30	0.2	3.7
UC-253	80	20	0.5	3.7
UCF-253	80	20	0.5	3.7
UC-254	100	10	1	3.7
UCF-254	100	10	1	3.7
UC-283	80	28	0.5	5.5
UCF-283	80	28	0.5	5.5
UC-284	100	15	1	5.5
UCF-284	100	15	1	5.5

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
UCF-2104	100	27	1	7.5
UCF-2106	150	10	2	7.5
UCF-2154	100	35	1	11
UCF-2156	150	15	2	11
UCF-2206	150	35/25*	1.5/2.0*	15
UCF-2256	150	30	2	19
UCF-2258	200	15	4	19
UCF-2306	150	35	2	22

NOTE : Three phase, 380-415V. *Figures in the left=50Hz / in the right=60Hz

Super High-Head Submersible Dewatering Pumps

U HIGH HEAD Series

- Realized the total head, something really amazing up to 200m.
- Using wearing resistant parts, the pumps keep the initial performance to the maximum after operation of pumping muddy water for a long period of time.
- These models are suitable for dewatering works at such construction sites as tunnels, dams, under-ground, especially when it is necessary to pump water up to the high locations.

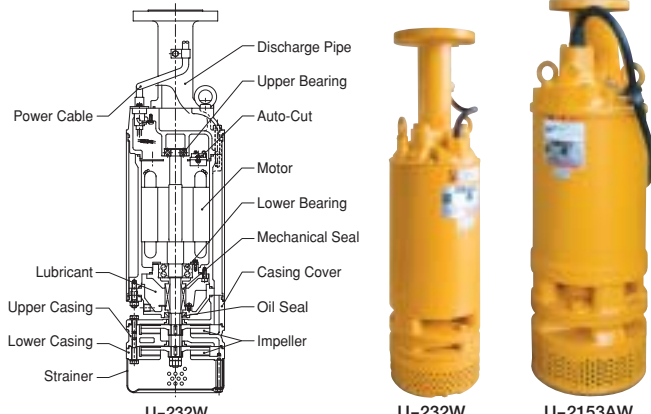
Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
U-2304B	100	60	1	22
U-2404C	100	70	1	30
U-2506C	150	80*	1*	37
U-2606C	150	90*	2*	45
U-2756B	150	90	2	55
U-21006C	150	120	1.5	75
U-21506B	150	140/160**	2.5/2.0**	110
U-22006	150	200	2.5	150

NOTE : *Upper and lower figures represent our standard specifications respectively. **Figures in the left=50Hz / in the right=60Hz

High-Head Submersible Dewatering Pumps

U-W Stage Series

- Equipped with double staged impellers, these models realized dewatering to high locations.
- Most suitable for installing these models at confined work-sites such as deep-well construction sites, etc.



Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
U-232W	50	26	0.2	2.2
U-282AW	50	45	0.3	5.5
U-2153AW	80	65	0.5	11
U-2253AW	80	85	0.5	19
U-2404AW	100	90	1	30

NOTE : Three phase, 380-415V.

High-Head and Super High-Capacity Submersible Dewatering Pumps

U HIGH HEAD and HIGH CAPACITY Series

- Super High Capacity Series.
- These models in this Series satisfy the need of customers for high capacity as well as high head in specific dewatering works.
- Suitable for pumping works at such construction sites as tunnels, dewatering at deep-well constructions and under-ground sites, etc.



U-2508C

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
U-2508C	200	35	4	37
U-2608C	200	40	4	45
U-2758B	200	50	4	55
U-21008C	200	60	4.5	75
U-21508B	200	90	4.5	110
U-210010A	250	33	8.4	75
U-215010A	250	50	8.4	110
U-225010	250	70	10	185

NOTE : Three phase, 380-415V.

High-Capacity Series Submersible Dewatering Pumps

U HIGH CAPACITY Series

- Suitable for dewatering big volume of water, easy to handle and efficient in performance.
- These models will make an optimum performance in dewatering at such construction sites as in under-ground, tunnels, etc.



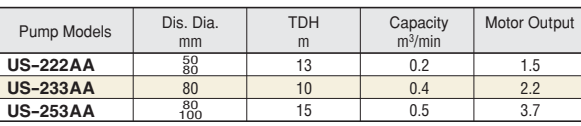
Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
U-4158A	200	10	4	11
U-4208	200	14	4	15
U-4306D	150	33	2	22
U-4308	200	33*	4*	22
U-43010B	250	10	8	22
U-65014B	350	10	14	37
U-47510D	250	27	8	55

NOTE : Three phase, 380-415V. *Upper and lower figures represent our standard specifications respectively.

Vortex Type Submersible Dewatering Agitator Pumps

US-A Series

- US-A Series, designed based upon US Series, are the vortex submersible pumps equipped with agitator.
- Efficient in dewatering sand.
- Suitable for pumping water at civil engineering fields and construction sites, stirring and pump up water containing sand.



US-222AA

Submersible Agitator Sand Pumps

HS Series

- HS Series Pumps equipped with agitator are designed to perform extensive and strong stirring.
- Suitable for sand and gravel extraction, and dredging at settling basins, and pumping water with content of sand and gravel and fluid with other sediments.

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
HS-35A	80	10	0.8	3.7
HS-38B	80	15	0.8	5.5
HS-48E	100	10	1.3	5.5
HS-610	150	10	2	7.5
HS-615C	150	14	2	11
HS-420B	100	27	1.3	15
HS-430B	100	30	1.5	22
HS-830B	200	15	4	22

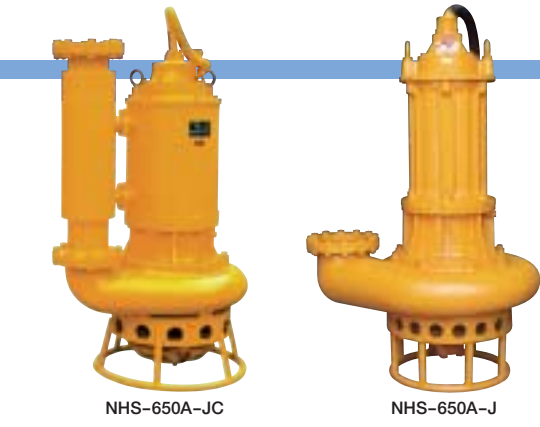
NOTE : Three phase, 380-415V.

Submersible Heavy Duty Agitator Sand Pumps

NHS Series

- NHS Series are a heavy-duty pump intended for water with content of sand and gravel in sedimentation basins.
- Jet-flow device, pump models with suffix "J", or Agitator, pump model with suffix "A", realizes the efficient and powerful dewatering.
- Motor cooling jacket, pump models with suffix "C", is available for each model.
- Suitable for dewatering at civil engineering fields and construction sites, dredging of settling basins and dams, sand and gravel extraction, removal of scales at ironworks, dewatering of sediments.

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
NHS-415A-A	100	17	1.5	11
NHS-415A-AC	100	17	1.5	11
NHS-415A-J	100	17	1.5	11
NHS-415A-JC	100	17	1.5	11
NHS-630H	150	18	3.2	22
NHS-630H-C	150	18	3.2	22
NHS-630H-A	150	18	3.2	22
NHS-630H-AC	150	18	3.2	22
NHS-630A-J	150	15	3.2	22
NHS-630A-JC	150	15	3.2	22
NHS-650A-A	150	25	3.2	37
NHS-650A-AC	150	25	3.2	37
NHS-650A-J	150	25	3.2	37
NHS-650A-JC	150	25	3.2	37



NHS-650A-JC

NHS-650A-J

Pump Models	Dis. Dia. mm	TDH m	Capacity m³/min	Motor Output kW
NHS-850A-A	200	19	6	37
NHS-850A-AC	200	19	6	37
NHS-850A-J	200	19	6	37
NHS-850A-JC	200	19	6	37
NHS-675J	150	31	3.2	55
NHS-675JC	150	31	3.2	55
NHS-875J	200	25	6	55
NHS-875JC	200	25	6	55
NHS-8100J	200	31	6	75
NHS-8100JC	200	31	6	75
NHS-10100J	250	15	12	75
NHS-10100JC	250	15	12	75
NHS-10150J	250	22	12	110
NHS-10150JC	250	22	12	110

NOTE : Three phase, 380-415V.

SAKURAGAWA PUMP MFG.CO.,LTD.

HEAD OFFICE : 1-2-11, ITSUKAICHI, IBARAKI, OSAKA 567-8525, JAPAN.
TEL : 81-72-645-5254 FAX : 81-72-645-5253
http://www.sakura-p.net/english

Specifications are subject to change without notice. Copyright 2014 © SAKURAGAWA PUMP MFG. CO., LTD. All rights reserved.

CAT. No.922B2612S