

Automatic Submersible Dewatering Pumps

UOX/UOX-W Series

#AutomaticPump / #EnergySaving / #FlexibleSensor



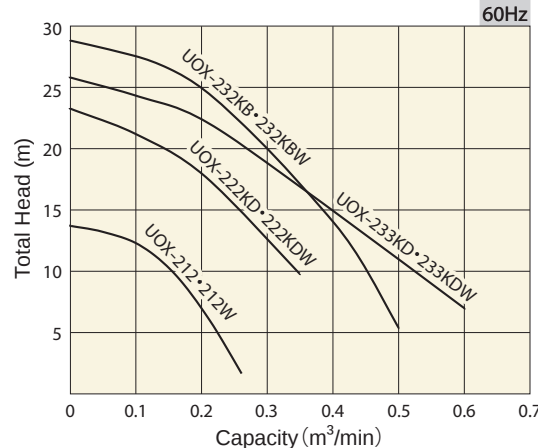
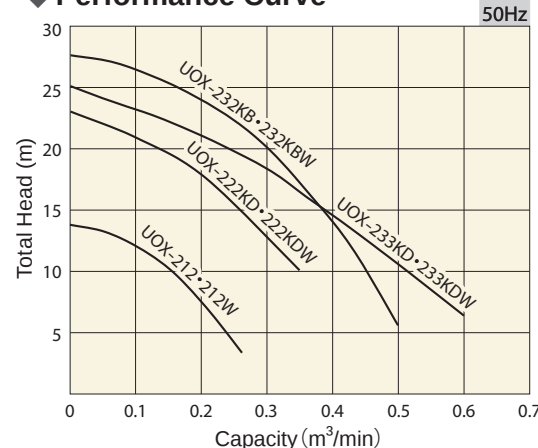
UOX-222KD

- UOX/UOX-W series are automatic operation pumps designed as durable and economical with adjustable ON/OFF level sensor.
- UOX/UOX-W series pumps save an installation space in comparison with float switch type pumps.
- For the conventional pumps, float switches need to be located correctly upper as ON, lower as OFF but are often mixed up and the functions do not work well. On the other hand, embedded microcomputer in this series pumps detect the right position of the switches to make sure ON/OFF function.
- UOX/UOX-W series pumps have fixation and chattering prevention functions.

Applications

- Automatic drainage of water treatment plants, wastewater in buildings and factories
- Automatic drainage at basements parking areas, underpasses, and pits
- Automatic drainage at commercial car washes

Performance Curve



Main Specifications

Discharge Diameter (mm)		50	50	50	80
Pump Models		UOX-212	UOX-222KD	UOX-232KB	UOX-233KD
		UOX-212W	UOX-222KDW	UOX-232KBW	UOX-233KDW
Motor Output (kW)		0.75	1.5	2.2	2.2
Medium	Type	Rain Water / Spring Water / Muddy Water			
	Temperature	Max 40 Degrees Celsius			
Pump	Shaft Seal	Double Type Mechanical Seal			
	Shaft Bearing	Sealed Ball Bearing			
	Impeller	*FCD		High Chrome	
	Casing	*FC	*FCD		
Motor	Type/Pole	Dry Type Induction Motor/2pole			
	Insulation Class	E		F	
	Protector	Auto-Cut			
	Frame	*FC			
	Shaft	Stainless Steel			
Discharge Type		Hose Coupling			
Threaded Diameter (mm)		50	50	65	65
Chattering Prevention		●	●	●	●
Fixation Prevention		●	●	●	●

※For the fixation prevention, the pump operates automatically 1sec once in every 24 hour.

*FCD : Ductile Cast Iron / FC : Cast Iron

Specifications

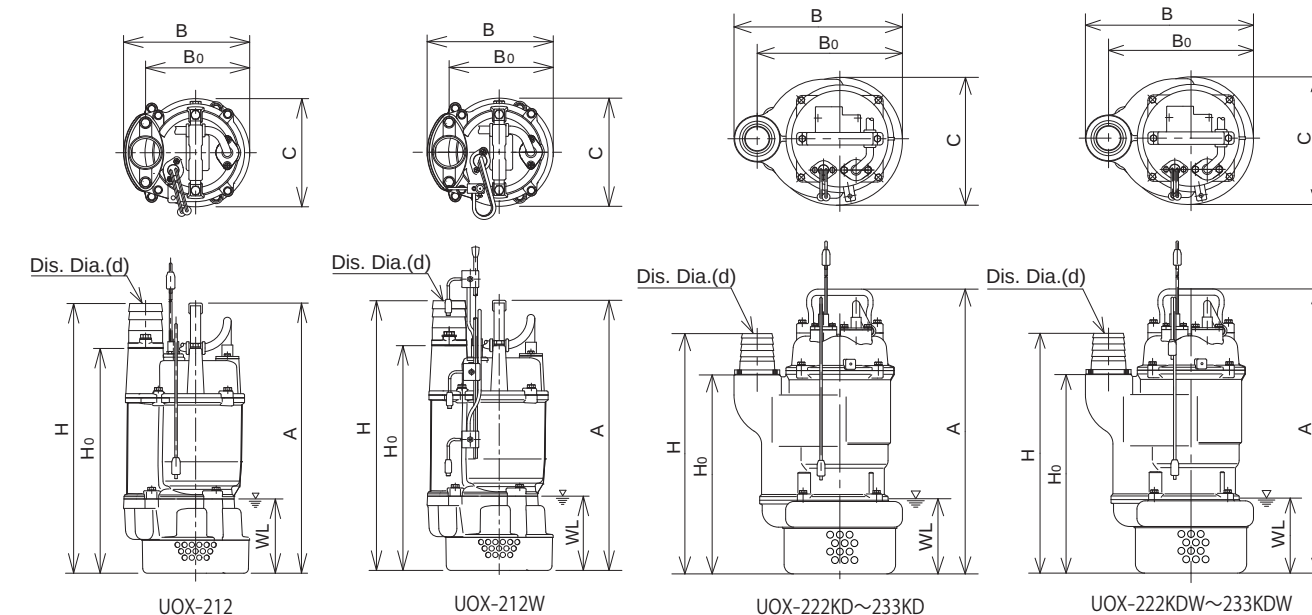
Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Total Head (m)	Capacity (m³/min)	Starting	Max Solid Through (mm)	Weight (kg) *Without Cable	Cable Length (m)
50	UOX-212	0.75	10	0.15	DOL	8	18.5	10
50	UOX-222KD	1.5	18	0.2	DOL	11	29	10
50	UOX-232KB	2.2	20	0.3	DOL	11	32	10
80	UOX-233KD	2.2	14	0.4	DOL	11	32	10
50	UOX-212W	0.75	10	0.15	DOL	8	18.5	10
50	UOX-222KDW	1.5	18	0.2	DOL	11	29	10
50	UOX-232KBW	2.2	20	0.3	DOL	11	32	10
80	UOX-233KDW	2.2	14	0.4	DOL	11	32	10

UOX-W series must be operated with UOX series.

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Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Operating Water Level				Stopping Water Level
			Primary		Secondary		
			Max (mm)	Min (mm)	Max (mm)	Min (mm)	Min (mm)
50	UOX-212	0.75	650	150	—	—	140
50	UOX-222KD	1.5	705	160	—	—	150
50	UOX-232KB	2.2	745	160	—	—	150
80	UOX-233KD	2.2	745	160	—	—	150
50	UOX-212W	0.75	650	150	730	200	140
50	UOX-222KDW	1.5	675	160	750	210	150
50	UOX-232KBW	2.2	715	160	750	210	150
80	UOX-233KDW	2.2	715	160	750	210	150

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External Diagrams (mm)

Pump Models	d	H	H0	A	B	B0	C	WL
UOX-212	50	400	333	400	187	154	160	110
UOX-212W	50	400	333	400	187	154	160	110
UOX-222KD	50	384	318	455	269	232	204	120
UOX-232KB	50	408	338	475	288	242	204	120
UOX-233KD	80	439	338	475	288	242	204	120
UOX-222KDW	50	384	316	455	269	232	204	120
UOX-232KBW	50	408	338	475	288	242	204	120
UOX-233KDW	80	439	338	475	288	242	204	120

WL : Pump Starting Level