

Automatic Submersible Dewatering Pumps

UOY/UOY-W Series

#AutomaticPump / #EnergySaving / #FlexibleSensor

Construction Submersible Pumps

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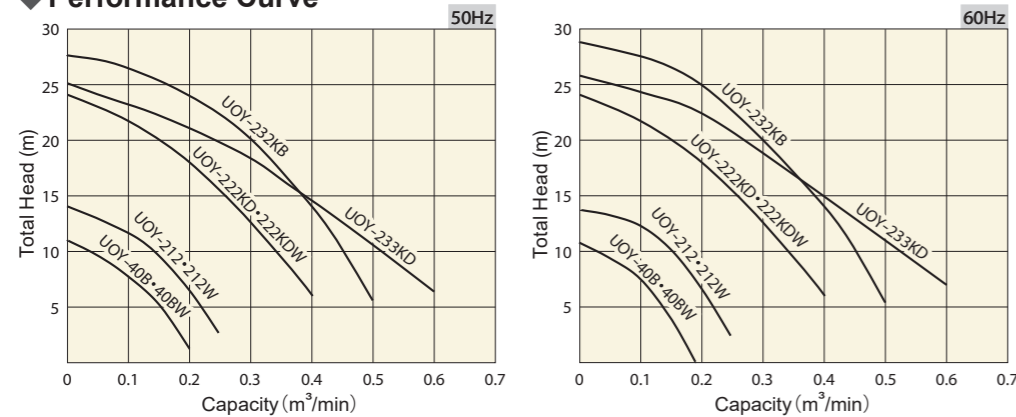
UOY-222KD

- UOY/UOY-W series are automatic operation pumps designed as durable and economical with adjustable ON/OFF float level sensor switch.
- UOY series functionality is the same as UOX series.
- UOY/UOY-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	50	80
Pump Models	UOY-40B UOY-40BW	UOY-212 UOY-212W	UOY-222KD UOY-222KDW	UOY-232KB -	UOY-233KD -
Motor Output (kW)	0.4	0.75	1.5	2.2	2.2
Medium	Type: Rain Water / Spring Water / Muddy Water				
	Temperature: Max 40 Degrees Celsius				
	Shaft Seal: Double Type Mechanical Seal				
Pump	Shaft Bearing: Sealed Ball Bearing				
	Impeller: *FCD High Chrome				
	Casing: *SPC+Synthetic Rubber / *FC / *FCD				
Motor	Type/Pole: Dry Type Induction Motor/2pole				
	Phase: Single		Three		
	Insulation Class: E / F				
	Protector: Auto-Cut				
	Frame: *FC				
	Shaft: Stainless Steel				
Discharge Type	Hose Coupling				
Threaded Diameter (mm)	50	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 / *SPC : CarbonSteel

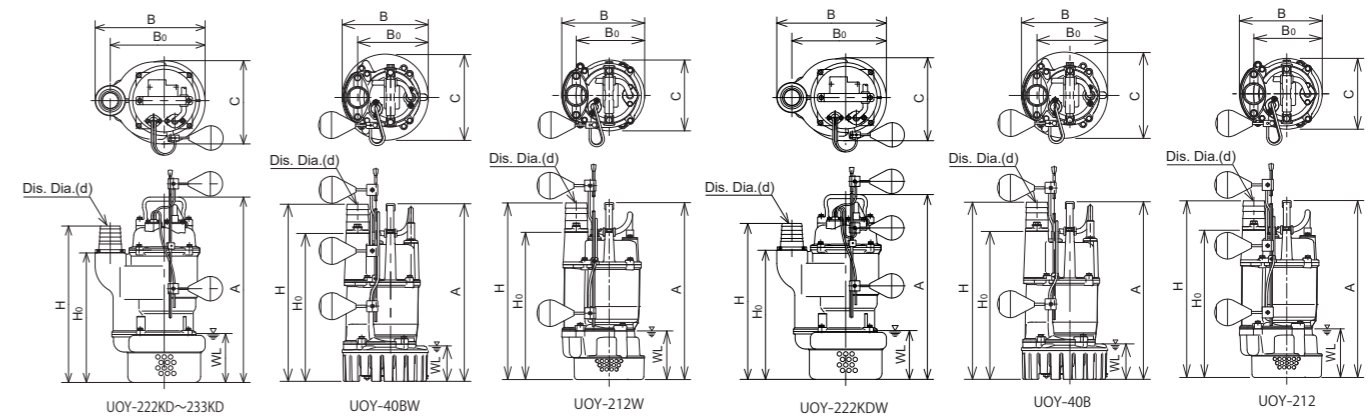
◆ Specifications

Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Total Head (m)	Capacity (m ³ /min)	Starting	Max Solid Through (mm)	Weight (kg) *Without Cable	Cable Length (m)
50	UOY-40B	0.4	8	0.1	Capacitor	7	17	5
50	UOY-212	0.75	10	0.15	DOL	8	18.5	10
50	UOY-222KD	1.5	18	0.2	DOL	11	29	10
50	UOY-232KB	2.2	20	0.3	DOL	11	32	10
80	UOY-233KD	2.2	14	0.4	DOL	11	32	10
50	UOY-40BW	0.4	8	0.1	Capacitor	7	17	5
50	UOY-212W	0.75	10	0.15	DOL	8	18.5	10
50	UOY-222KDW	1.5	18	0.2	DOL	11	29	10

UOY-W series, must be operated with UOY series.

Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Operating Water Level				Stopping Water Level (mm)
			Primary		Secondary		
			Max (mm)	Min (mm)	Max (mm)	Min (mm)	
50	UOY-40B	0.4	620	150	—	—	120
50	UOY-212	0.75	650	180	—	—	150
50	UOY-222KD	1.5	705	410	—	—	230
50	UOY-232KB	2.2	745	450	—	—	270
80	UOY-233KD	2.2	745	450	—	—	270
50	UOY-40BW	0.4	590	150	620	280	120
50	UOY-212W	0.75	620	180	650	310	150
50	UOY-222KDW	1.5	675	350	490	260	260

UOY-W series, must be operated with UOY series.



◆ External Diagrams (mm)

Pump Models	d	H	H ₀	A	B	B ₀	C	WL
UOY-40B	50	401	334	401	194	159	194	80
UOY-212	50	400	333	400	187	154	160	110
UOY-222KD	50	384	318	455	269	232	204	120
UOY-232KB	50	408	338	475	288	242	204	120
UOY-233KD	80	439	338	475	288	242	204	120
UOY-40BW	50	401	334	401	194	159	194	80
UOY-212W	50	400	333	400	187	154	160	110
UOY-222KDW	50	384	318	455	269	232	204	120

WL : Pump Starting Level