

Automatic Submersible Dewatering Pumps

UOY/UOY-W Series

#AutomaticPump / #EnergySaving / #FlexibleSensor



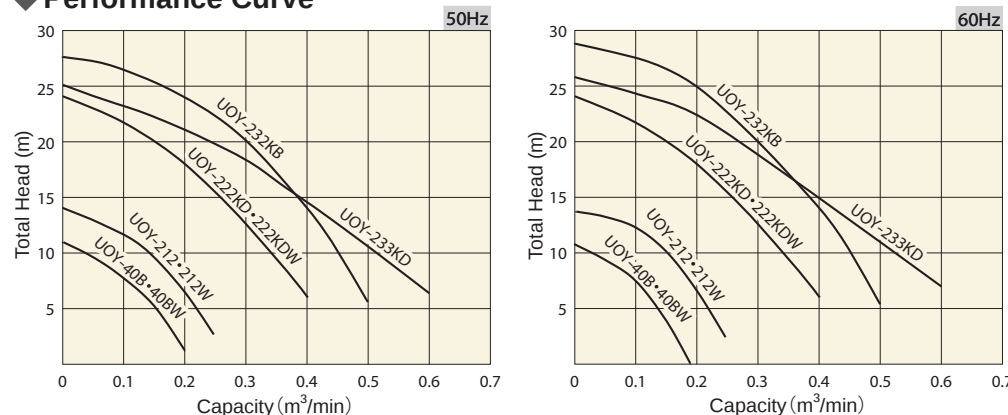
UOY-222KD

- 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, waste-water 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-212	UOY-222KD	UOY-232KB	UOY-233KD
		UOY-40BW	UOY-212W	UOY-222KDW	-	-
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				
Pump	Shaft Seal	Double Type Mechanical Seal				
	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

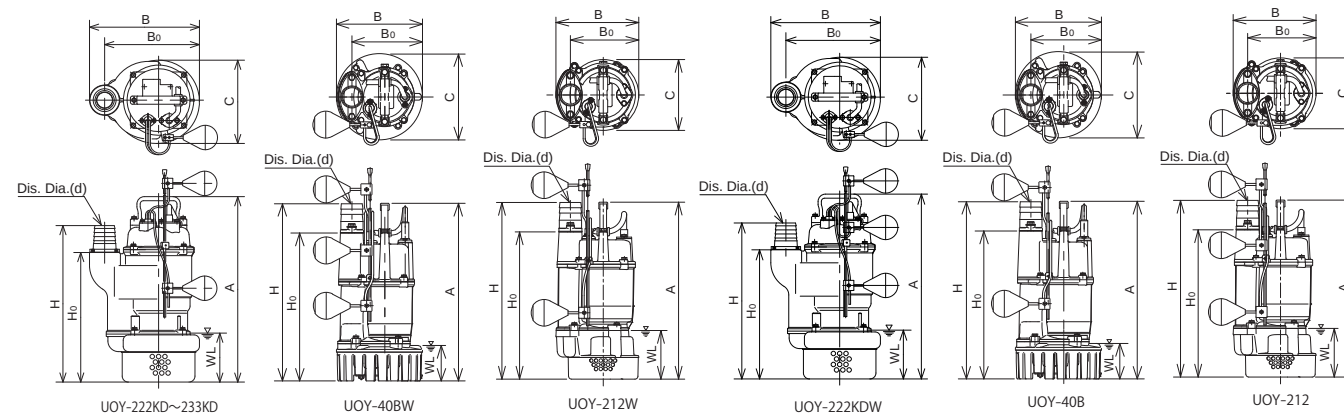
◆Specifications

Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Phase	Total Head (m)	Capacity (m³/min)	Starting	Max Solid Through (mm)	Weight (kg) *Without Cable	Cable Length (m)
50	UOY-40B	0.4	Single	8	0.1	Capacitor	7	17	5
50	UOY-212	0.75	Three	10	0.15	DOL	8	18.5	10
50	UOY-222KD	1.5	Three	18	0.2	DOL	11	29	10
50	UOY-232KB	2.2	Three	20	0.3	DOL	11	32	10
80	UOY-233KD	2.2	Three	14	0.4	DOL	11	32	10
50	UOY-40BW	0.4	Single	8	0.1	Capacitor	7	17	5
50	UOY-212W	0.75	Three	10	0.15	DOL	8	18.5	10
50	UOY-222KDW	1.5	Three	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	
			Primary		Secondary			
			Max (mm)	Min (mm)	Max (mm)	Min (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	600	350	700	490	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