

Automatic Sensor Submersible Dewatering Pumps

UEX Series

#AutomaticPump / #EnergySaving / #FlexibleSensor



UEX-40C



UEX-222B



UEX-254A

- Using a combination of capacitive sensing technology and relay set, this series pumps can choose the best suitable operation time that varies from a volume of water on each site.
- The capacitance mode sensor is stain-resistant.
- The flexible sensor cable allows an easy adjustment of water level to start auto operation.
- This series pumps save the installation space in comparison with float switch type pumps.
- This series pumps have less faulty operation caused by adhesion of dust than float switch type pumps.

Applications

- Automatic dewatering on construction sites and at factories
- Dewatering of spring/ground and stagnant water
- Drainage at basements, underpasses, and pits
- Water intake and supply in agriculture and industry

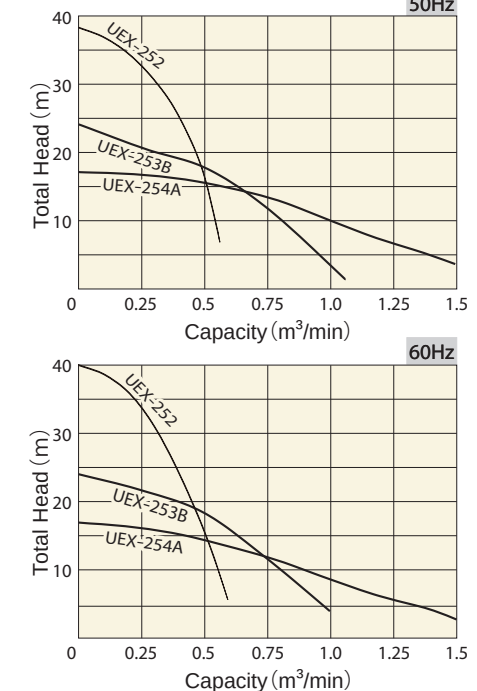
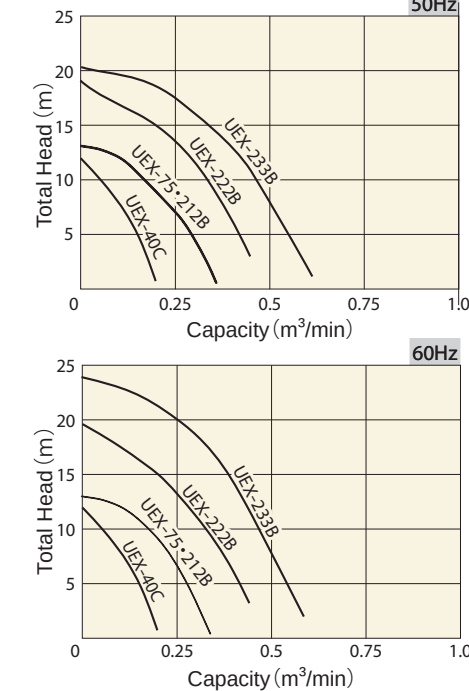
Main Specifications

Discharge Diameter (mm)		50	50	50	50	80	100	80	100
Pump Models		UEX-40C	UEX-75	UEX-212B	UEX-222B	UEX-233B	UEX-252	UEX-253B	UEX-254A
Motor Output (kW)		0.4	0.75	0.75	1.5	2.2	3.7	3.7	3.7
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	*FCD	High Chrome
	Casing	*SPC+Synthetic Rubber					*FCD	*SPC+Synthetic Rubber	*FCD
Motor	Type/Pole	Dry Type Induction Motor/2pole							
	Phase	Single		Three					
	Insulation Class	E			F				
	Protector	Auto-Cut							
	Frame	*ADC							
	Shaft	Stainless Steel							
Discharge Type		Hose Coupling							
Overcurrent Prevention							●	●	●
Fixation Prevention		●	●	●	●	●	●	●	●

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

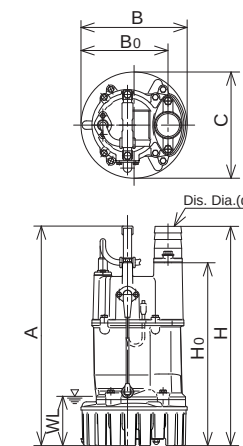
*FCD : Ductile Cast Iron / SPC : Carbon Steel / ADC : Die Casting Aluminum Alloy

Performance Curve

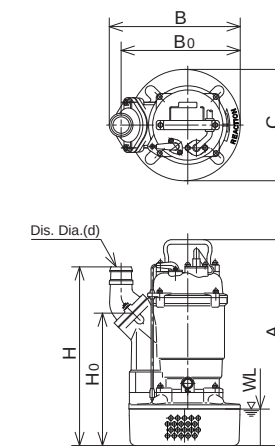


Specifications

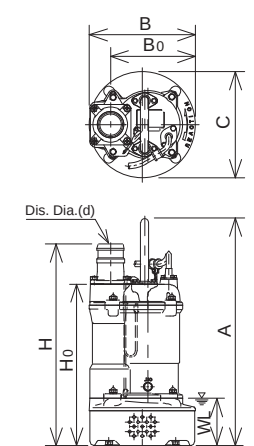
Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Phase	Total Head (m)	Capacity (m³/min)	Starting	Max Solid Through (mm)	Weight (kg) *Without Cable	Cable Length (m)
50	UEX-40C	0.4	Single	8	0.1	Capacitor	7	12.5	5
50	UEX-75	0.75	Single	10	0.15	Capacitor	7	15.7	5
50	UEX-212B	0.75	Three	10	0.15	DOL	7	13.8	5
50	UEX-222B	1.5	Three	15	0.2	DOL	10	21	10
80	UEX-233B	2.2	Three	12	0.4	DOL	10	24	10
50	UEX-252	3.7	Three	32	0.2	DOL	10	40	10
80	UEX-253B	3.7	Three	18	0.5	DOL	10	36.5	10
100	UEX-254A	3.7	Three	9	1.0	DOL	10	41.5	10



UEX-40C・75・212B



UEX-222B・233B



UEX-252・253B・254A

External Diagrams (mm)

Pump Models	d	H	H0	A	B	B0	C	WL
UEX-40C	50	401	334	401	194	159	194	90
UEX-75	50	441	374	441	194	159	194	90
UEX-212B	50	441	374	441	194	159	194	90
UEX-222B	50	392	290	451	287	261	244	80
UEX-233B	80	412	290	451	300	261	244	80
UEX-252	50	527	442	622	290	232	290	130
UEX-253B	80	551	442	622	290	232	290	130
UEX-254A	100	561	452	632	290	232	290	110

WL : Pump Starting Level