

High-Head Submersible Dewatering Pumps

U-W Double-Stage Series

#DoubleStage / #MiningPump / #DeepWell



U-282AW

U-2153AW

- The double (two) stage structure achieves a higher head than other series pumps with the same motor output.
- The cylindrical body with little protrusions in small diameter is the most suitable pump for drainage in a narrow pit such as deep well drainage.
- The back pressure releasing mechanism is adopted to enable a long service life of the mechanical seal. (EXCEPT U-282AW)

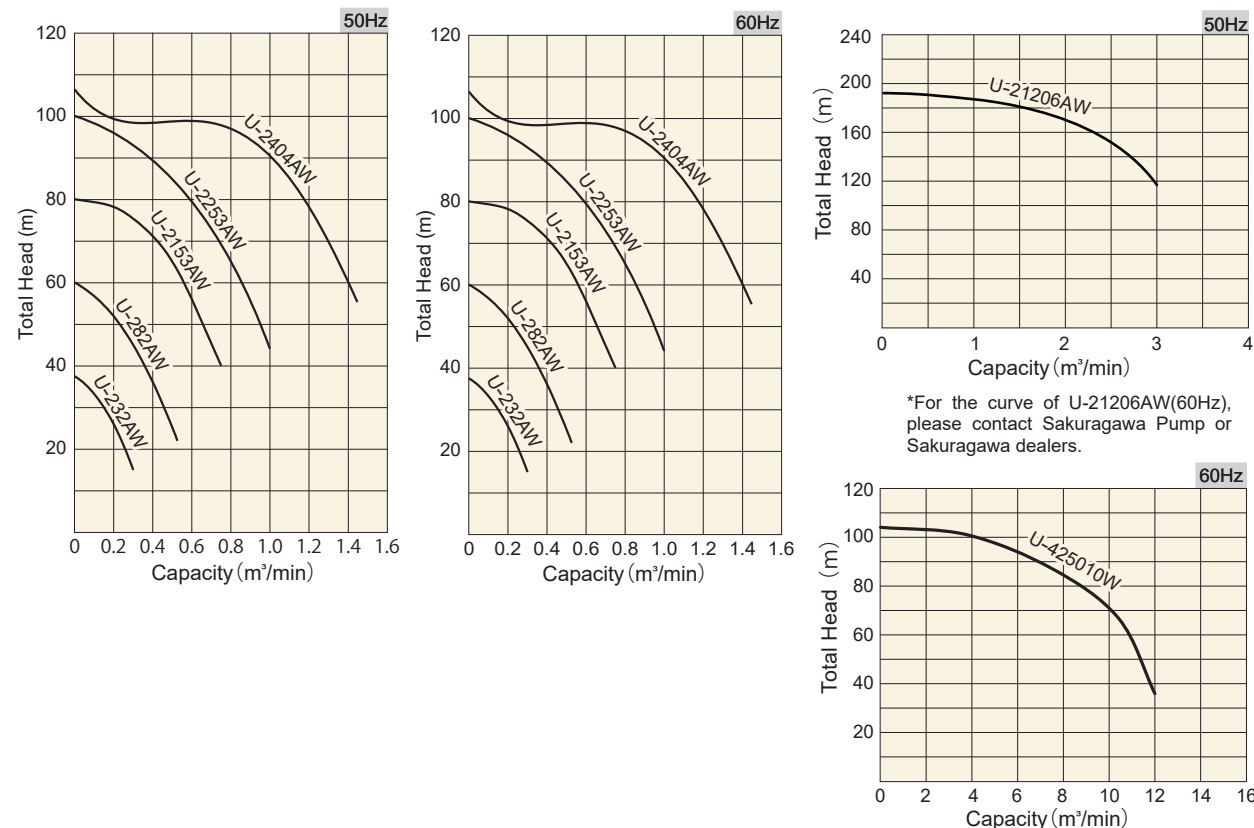
Top discharge and cylindrical water channel

The motor is effectively cooled down during the pump operation.

Applications

- Groundwater lowering - deep well and well-point drainage
- Dewatering and water supply on construction sites
- Drainage at basements, underpasses, mining sites, and in open pits
- High head pumping applications in narrow spaces

Performance Curve



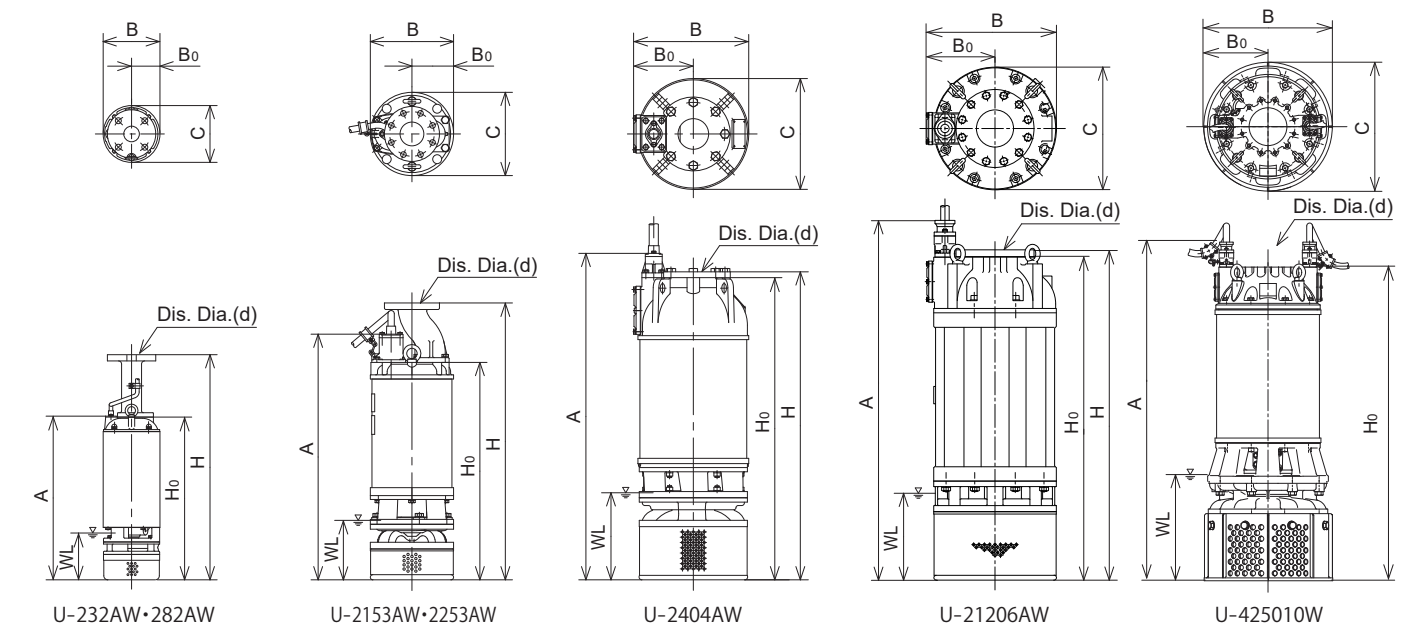
Main Specifications

Discharge Diameter (mm)		50	50	80	80	100	150	250
Pump Models		U-232AW	U-282AW	U-2153AW	U-2253AW	U-2404AW	U-21206AW	U-425010W
Motor Output (kW)		2.2	5.5	11	19	30	90	185
Medium	Type	Rain Water / Spring Water / Muddy Water						
	Temperature	Max 40 Degrees Celsius						
	Shaft Seal	Double Type Mechanical Seal						
Pump	Shaft Bearing	Double-Row Ball Bearing			Duplex Ball Bearing			
	Impeller	*FCD	High Chrome					
	Casing	*FCD	*FC	*FCD				
Motor	Type/Pole	Dry Type Induction Motor/2pole						Dry Type Induction Motor / 4pole
	Insulation Class	E	B			F		
	Protector	Auto-Cut			Auto-Cut + Infiltrative Water Detector	Miniature Thermal Protector + Infiltrative Water Detector		
	Frame	*FC						
	Shaft	Stainless Steel						
Discharge Type		Flange						

*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	U-232AW	2.2	26	0.2	DOL	6	48	10
50	U-282AW	5.5	45	0.3	DOL	7	105	15
80	U-2153AW	11	65	0.5	DOL	8	145	20
80	U-2253AW	19	85	0.5	DOL	8	200	20
100	U-2404AW	30	90	1	DOL	8	420	20
150	U-21206AW	90	170	2	Star-Delta	11	1,200	20
250	U-425010W	185	74	10	Star-Delta	35	2,250	20



External Diagrams (mm)

Pump Models	d	H	H ₀	A	B	B ₀	C	WL
U-232AW	50	738	538	541	180	90	180	150
U-282AW	50	831	629	723	250	125	250	190
U-2153AW	80	931	731	826	280	140	280	200
U-2253AW	80	1,160	960	1,055	330	165	330	240
U-2404AW	100	1,168	1,145	1,240	437	227	420	330
U-21206AW	150	1,482	1,450	1,615	583	307	550	400
U-425010W	250	—	2,100	2,265	850	425	850	700

WL : Pump Starting Level