

# SUBMERSIBLE DEWATERING PUMP HIGH HEAD SERIES



**Powerful to Meet Any Tough Jobs.**

- 1) Discharge Dia. : 100 – 250mm
- 2) Total Head : 33 – 200m
- 3) Capacity : 1.0 – 10m<sup>3</sup>/min
- 4) Motor Output : 22 – 185kW



Sakuragawa will provide you with a comfortable environment.

**SAKURAGAWA**



# SUPER POWERFUL, EFFICIENT, DEPENDABLE!

## FEATURES

**Submersible pumps with only a single impeller\* carry out dewatering job upto unbelievable higher locations. Simple structure of these models ensures easy maintenance at your heavy-duty worksites.**

\*The model, **U-22006**, is with double stage impellers.

## MOTOR PROTECTOR

Incorporating MINIATURE THERMAL PROTECTOR(MTP) and INFILTRATIVE WATER DETECTOR(WD) in the pump body protect the motor from thermal and mechanical troubles. Both in combination with external pump operating Panel equipped with ELECTRO MAGNETIC CONTACTOR(MC), INFILTRATIVE WATER DETECTOR RELAY SET(WD-X) and THERMAL RELAY(THR), the pump assures perfect and safety-minded motor protection.

In case water infiltrates the motor housing or the temperature in the motor coil rises to a set maximum, the WD fitted immediately beneath the motor compartment or the MTP activates the MC by way of WD-X or THR in order to cut off the electric supply to the motor.

U-2304B is not with MTP nor WD. This models shall be provided with an external pump operating panel equipped with MC for the protection of the motor upon request.

## MOTOR

The motors are well designed to demonstrate higher motor efficiency and torque. The stators conform to class B insulation rating, each highly heat resistance.

## APPLICATIONS

- ◆ Drainage out of Sumps, Pits, Quarries, Minings, Cellars,
- ◆ Tunnels, Caisson Dewaterings, Reclaiming Operations, Power Station Constructions,
- ◆ Waste, Storm or Emergency Water Removal, Dams, Harbour Projects,
- ◆ Contractors & Rental Companies, etc.

## SHAFT SEAL

The twin Mechanical Seals are cooled and lubricated in the oil bath. Together with the good effect of design of Pressure Relief furnished just beneath the motor compartment, guarantee reliable sealing effect and steady service at heavy-duty sites for a long period of time.

## IMPELLER & CASING

The close typed impeller made of High Chrome Alloy and housed in a heavy gauge body gives high efficiency in Pumping Performance in combination with assorted casing as well as providing admirable resistance in the water containing abrasive solid particles.

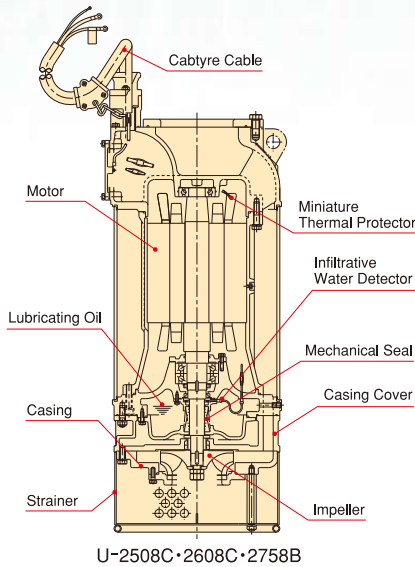
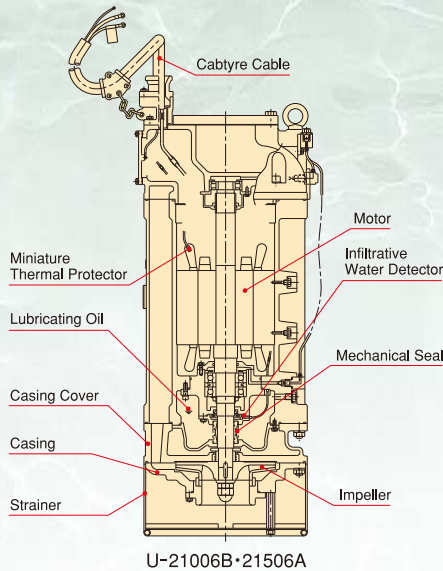
## GREASE REPLENISHER

Grease replenishing attachment is furnished with the models in this series with more than 100HP motor output to simplify their grease maintenance of bearings.

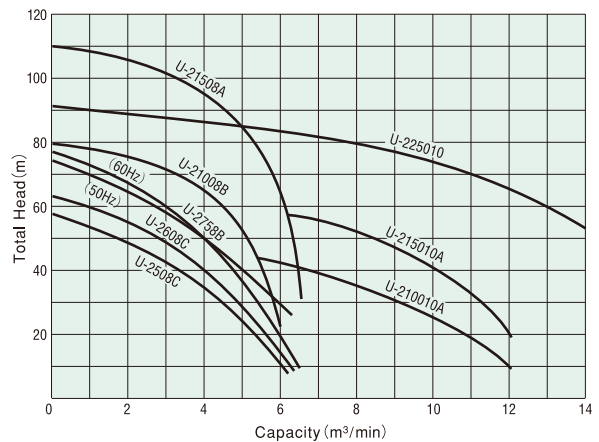
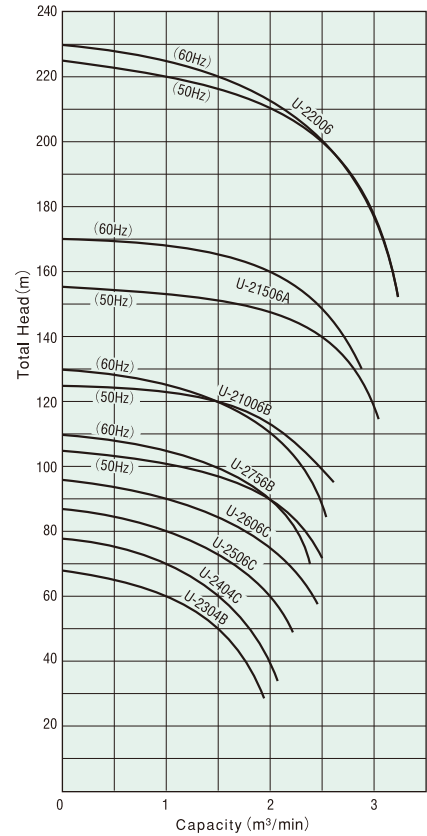
**NOTE :** In the case of stationary operation, water level regulating equipment is available at extra cost upon your request. Motors bigger than 50HP are star-delta starting. Other specific applications shall be considerable upon requests.

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## CUT-AWAY SECTION



## PERFORMANCE CURVES

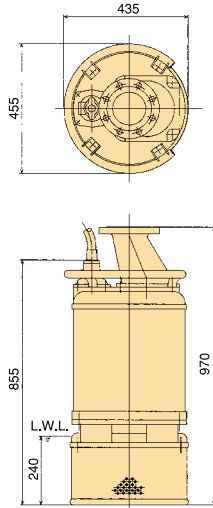


## STANDARD SPECIFICATIONS

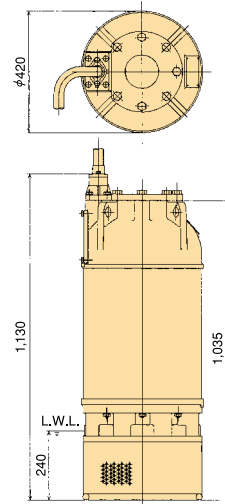
MODELS	DISCHARGE DIA.		MOTOR OUTPUT		HEAD		CAPACITY		CABLE LENGTH		WEIGHT(Without Cable)	
	mm	in	KW	HP	m	ft	m <sup>3</sup> /min	imp/GPM	m	ft	kg	lbs
U-2304B	100	4	22	30	60	197	1	220	20	66	280	617
U-2404C	100	4	30	40	70	230	1	220	20	66	380	838
U-2506C	150	6	37	50	80 60	262 197	1 2	220 440	20	66	485	1,069
U-2606C	150	6	45	60	90 75	295 246	1 2	220 440	20	66	485	1,069
U-2756B	150	6	55	75	90	295	2	440	20	66	545	1,202
U-21006B	150	6	75	100	120	394	1.5	330	20	66	980	2,161
U-21506A	150	6	110	150	140(160)*	459(525)*	2.5(2)*	550(440)*	20	66	1,080	2,381
U-22006	150	6	150	200	200	656	2.5	550	20	66	1,250	2,756
U-2508C	200	8	37	50	35	115	4	880	20	66	510	1,125
U-2608C	200	8	45	60	40	131	4	880	20	66	510	1,125
U-2758B	200	8	55	75	50	164	4	880	20	66	560	1,235
U-21008B	200	8	75	100	60	197	4.5	990	20	66	980	2,161
U-21508A	200	8	110	150	90	295	4.5	990	20	66	1,080	2,381
U-210010A	250	10	75	100	33	108	8.4	1,848	20	66	970	2,138
U-215010A	250	10	110	150	50	164	8.4	1,848	20	66	1,000	2,204
U-225010	250	10	185	250	74	243	10	2,200	20	66	1,450	3,196

\* Figures in parentheses refer at 60Hz • Specifications are subject to change without notice.

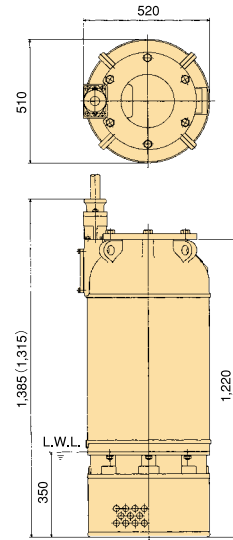
## DIMENSIONS



U-2304B

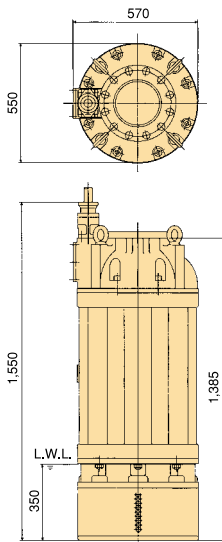


U-2404C

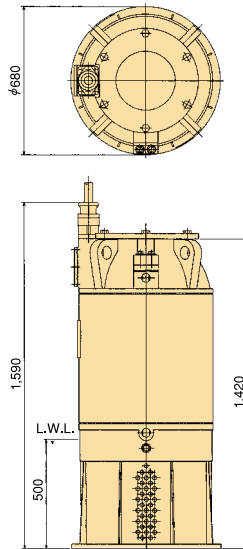


U-2506C•2606C•2756B  
U-2508C•2608C•2758B

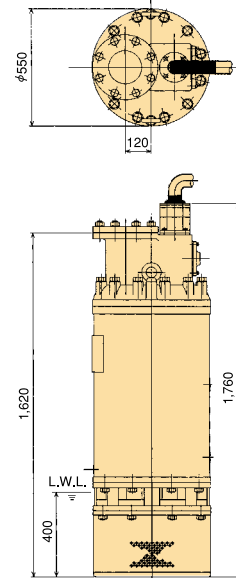
\*Figures in parentheses refer to U-2606C, U-2608C



U-21006B•21506A  
U-21008B•21508A



U-210010A•215010A



U-22006



For safety operation, please be sure to read through our instruction manual before using the pumps.

**SAKURAGAWA PUMP**  
MFG.CO.,LTD.