



Automatic-Operated Submersible Dewatering Pump Type EUX

With capacitance mode sensor, EUX series performance is highly accurate and also easy control for changing the water level.

APPLICATIONS

- Drainage of rain water and spring water from ground
- Drainage at civil engineering work and building construction site
- Drainage from tunnel pit
- Drainage from civil engineering work at river

FEATURES

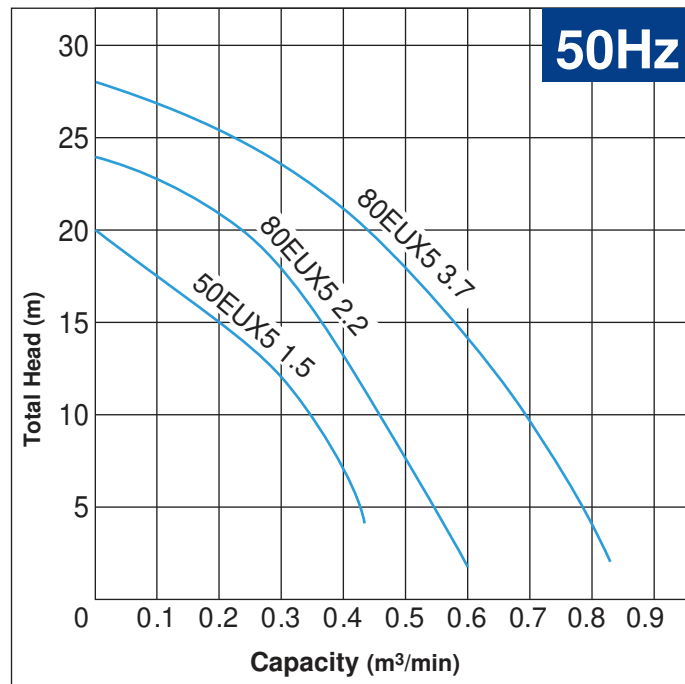
- "IT Pump" is an automatic operation pump equipped with a flexible sensor.
- The flexible sensor enable users to adjust its position to water level the users would like it to detect.
- The sensor which detects the water level by reading the electrical capacitance makes an incorrect operation less likely to occur.
- A flexible sensor enables the water level detected to be easily adjusted.
- Models in series are designed to be less susceptible to damages.
- Compact design allows the models to be used in a limited space.



Remarks:

50EUX5.4 (0.4kW) and 50 EUX5.75 (0.75kW) are available.
Please contact EBARA for details.

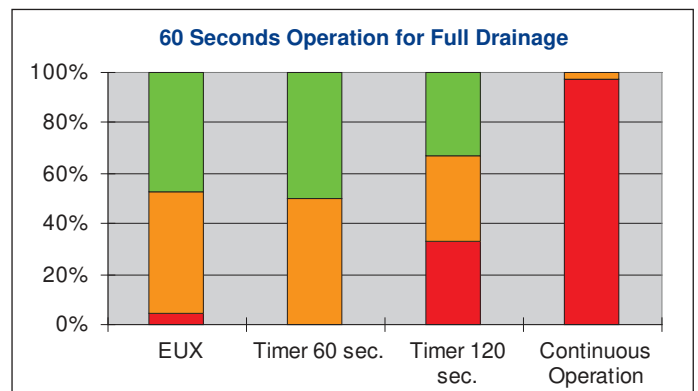
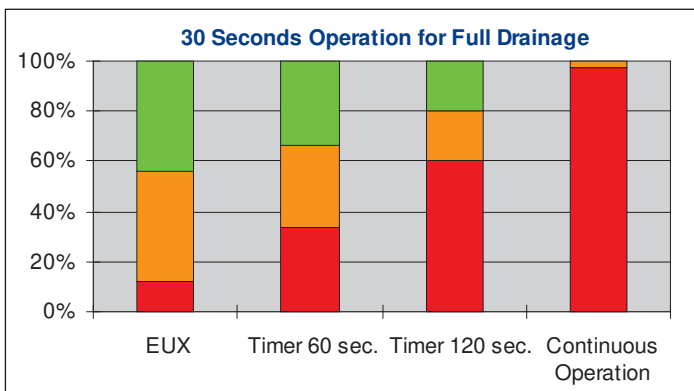
PERFORMANCE CURVE



Model	Nominal diameter (mm)	Output (kW)	Ph/Hz/V	Total Head (m)	Capacity (m³/min)	Outer dimension (mm)		Weight (kg)
						Max. diameter	Height	
50EUX51.5	50	1.5	3/50/415	15	0.2	279	485	21
80EUX52.2	80	2.2		12	0.4	293	485	25
80EUX53.7	80	3.7		18	0.5	298	648	39

FEATURE AS ENERGY SAVING PUMP

- Built-in micro computer programs the period of running time of the pump and adjusts the operation period best suited for a situation of a site where the pump is used.
- Reduction of electric power consumption is achieved as the operation of the pump is not controlled by a fixed time set by a timer.



■ Stop
 ■ Running
 ■ Depletion

From the graphs, it is confirmed that the percentage of none-operating time of EUX is high. It is also confirmed that the period of the operating time without fluids to pump up is short.

SPECIFICATIONS

Item		kW	Size 50, 1.5kW	Size 80, 2.2kW	Size 80, 3.7kW
Liquid handled	Liquid (Note 1)	Rain water, Spring water from ground, Earth & sand water			
	Diameter of solid matter	10mm and below			
	Density of earth/sand	2% and below (volume)			
	Liquid temperature	0 - 40°C			
	pH	6.5 - 8.0			
Max. pump submergence		30m			
Pump	Construction	Impeller	Vortex		
	Material	Impeller	FCD700		
		Casing	SPCC+Synthetic rubber		
(Note 2) (Note 3) Motor	Type, Pole	Dry type submersible, 2pole			
	Heat-resistant class	Class F			Class E
	Phase, Voltage	Three phase, 380-415V			
	Built-in protector	Auto-cut			
	Cooling method	Semi-inner type			
Type of connection		Hose coupling or socket with inner thread			

Note 1: Do not apply for oil, sea water, organic solvent etc. Pump may be damaged, and may cause electric leakage and electric shock.

Note 2: Inverter drive shall not be applicable for motor with auto-cut.

Note 3: Voltage fluctuation $360 < VOL \leq 420$, Frequency fluctuation $\pm 1\%$ or less, Simultaneous fluctuation of voltage and frequency 10% or less for sum of absolute value of both. However, in any case, motor characteristics and temperature rise etc. shall not be in accordance with rated value.

Remarks: 1. Do not install under environment of corrosive gas or volatile gas or steam.

2. This pump is for drainage at construction site. Do not use under long and continuous operation or frequent start/stop operation.

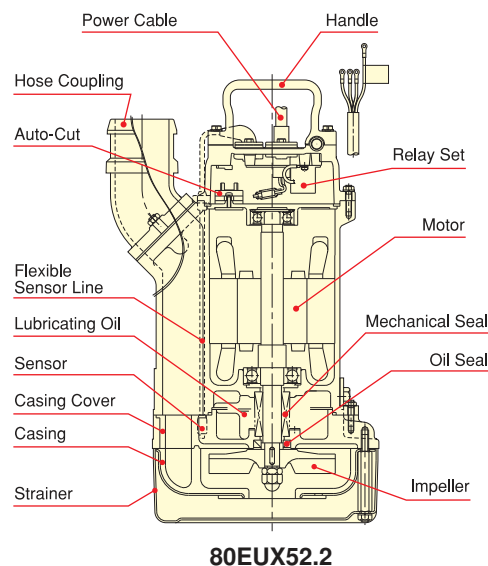
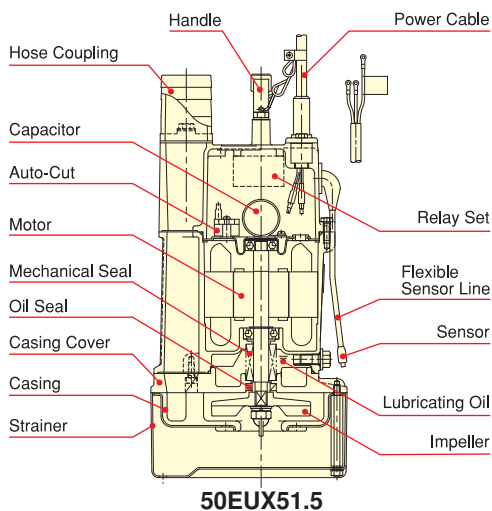
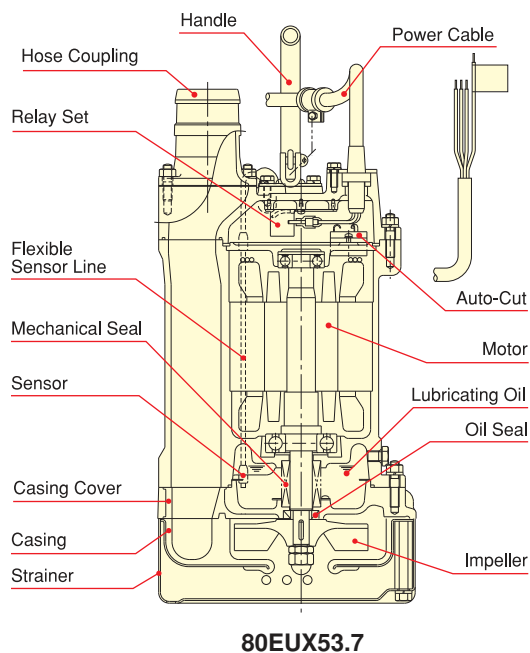
Pump may be damaged in short time due to leakage from mechanical seal.

Standard accessory

1 pc. of Hose coupling or socket (fixed with pump)

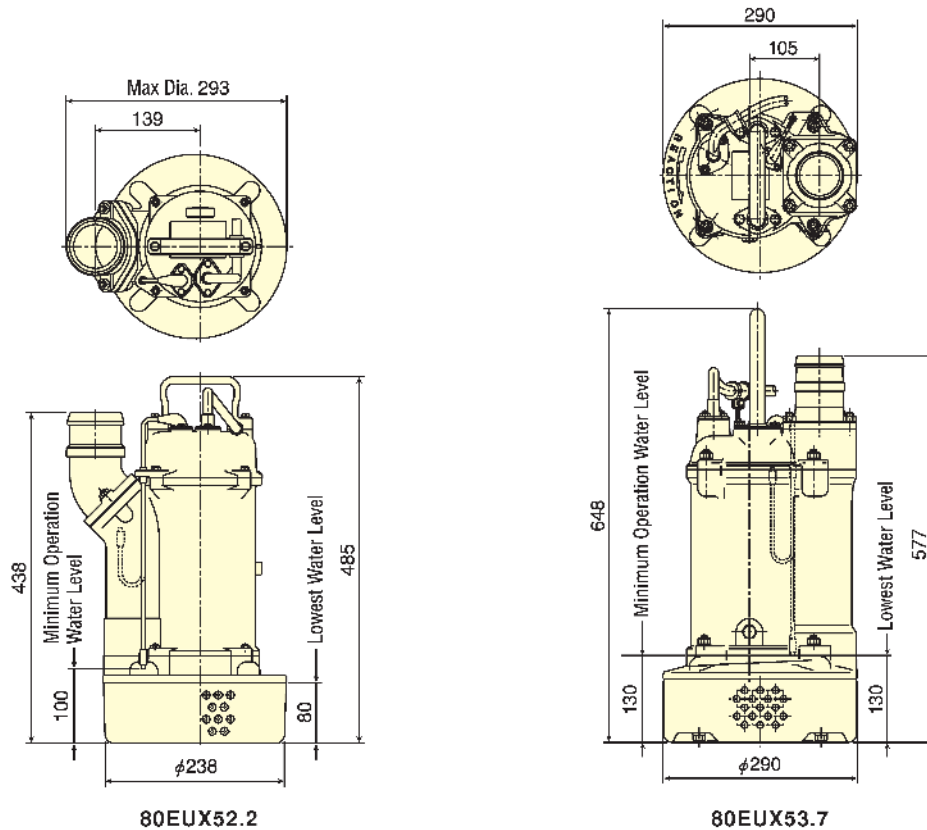
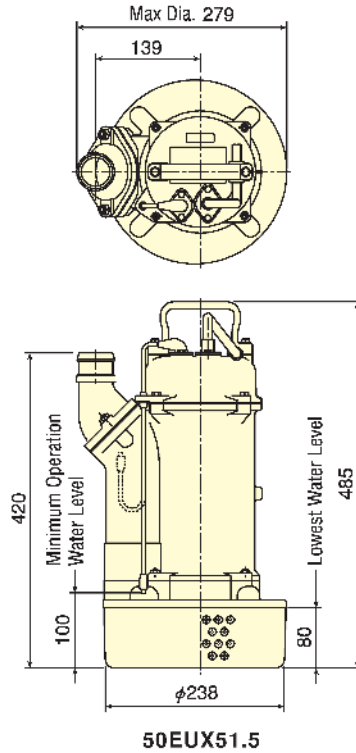
10m of Submersible cable (fixed with pump)

CONSTRUCTION



DIMENSION

Unit : mm



* Dimensional details are provided for reference only.
 * All specifications are subject to change without prior notice.



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