



Submersible Dewatering Pump

for Deep-Well Application

Type EUC

Corrosion resistant aluminium alloy as main material, EUC series are robust for heavy-duty application. Performance data is identical to EUL series.

APPLICATIONS

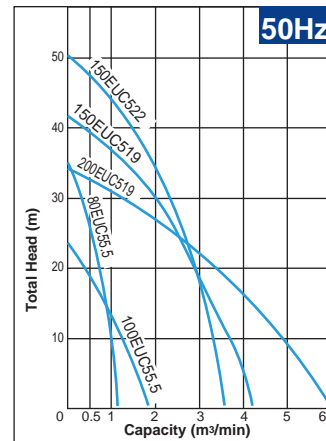
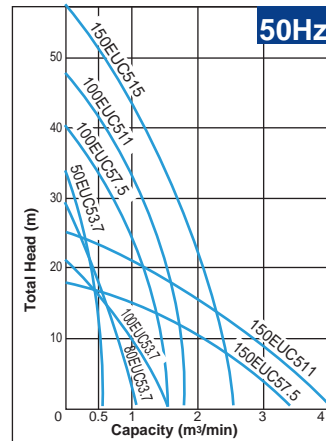
- Drainage at site by deep well method
- Drainage at civil engineering work and building construction site
- Drainage from underground pit and tunnel pit
- Drainage at narrow space

FEATURES

- Due to complete cylindrical form and small diameter, best for drainage by deep well method.
- Due to full water flow around motor, operation at low water level is possible.
- By employing high resistance material against wear, superior durability performance.
- Built-in motor protector prevents motor from burn-out by excessive load/restraint/open phase operation.



PERFORMANCE CURVE



Model	Nominal diameter (mm)	Output (kW)	Ph/Hz/V	Total Head (m)	Capacity (m³/min)	Max. Head (m)	Outer dimension (mm)	Weight (kg)
50EUC53.7	50	3.7	3Ph/50Hz/ 380-415V	30	0.2	35	280	688
80EUC53.7	80	3.7		20	0.5	30	280	688
100EUC53.7	100	3.7		10	1.0	21	280	688
80EUC55.5	80	5.5		28	0.5	35	280	688
100EUC55.5	100	5.5		15	1.0	25	280	688
100EUC57.5	100	7.5		27	1.0	41	370	832
150EUC57.5	150	7.5		10	2.0	18	370	858
100EUC511	100	11		35	1.0	48	370	800
150EUC511	150	11		15	2.0	25	370	825
150EUC515	150	15		35	1.5	58	370	875
150EUC519	150	19		30	2.0	42	455	910
200EUC519	200	19		15	4.0	35	455	950
150EUC522	150	22		35	2.0	50	455	910

SPECIFICATIONS

Item			kW		Size 50 3.7kW	Size 80 3.7W	Size 100 3.7kW	Size 80 5.5kW	Size 100 5.5kW	Size 100 7.5kW	Size 100 7.5kW	Size 150 11kW	Size 100 11kW	Size 150 11kW	Size 150 15kW	Size 150 19kW	Size 200 19kW	Size 150 22kW						
Liquid handled	Liquid (Note 1)		Spring water from ground, Earth & sand water																					
	Diameter of solid matter		9mm and below			12mm and below		9mm and below		12mm and below		8mm and below		20mm and below		8mm and below		20mm and below		8mm and below		20mm and below		
	Density of earth/sand		2% and below (volume)																					
	Liquid temperature		0 - 40℃																					
	pH		6.5 - 8.0																					
Max. pump submergence			30m																					
Pump	Construction	Impeller	Semi-open							Closed		Semi-open		Closed		Semi-open		Closed		Semi-open		Closed		
		Shaft seal		Double mechanical seal																				
		Bearings		Sealed ball bearings																				
	Material	Impeller		High chrome cast iron													FCD500		High chrome cast iron		FCD500			
		Casing		FCD500		Synthetic rubber/SPCC					FCD500		Synthetic rubber/SPCC		FCD500		Synthetic rubber/SPCC		FCD500		Synthetic rubber/SPCC		FCD500	
		Intermediate casing		FC200/Synthetic rubber																				
		Shaft seal (Mech. seal)	Motor side	Ceramic/Copper alloy																				
			Liquid side	SiC/SiC																				
			Elastomer	NBR																				
		Sealed liquid at shaft seal		Turbine oil VG32																				
Motor (Note 2) (Note 3)	Type, Pole, Insulation class		Dry type, submersible, 2pole, class B										Dry type, submersible, 2pole, class E			Dry type, submersible, 2pole, class B								
	Phase, Voltage		Three phase, 380-415V																					
	Built-in protector		Auto-cut															Not applicable						
	Material	Frame	FC200																					
		Shaft		SUS420J2							SUS420J1													
		Cable		2PNCT							2PNCT (with cloth reinforcement)													
	Cooling method		Inner type																					
Type of connection			JIS 10K Flange																					

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: Ask Ebara about inverter operation.

Note 3: Voltage fluctuation 360<VOL≤420, Frequency fluctuation +/- 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: Do not install under environment of corrosive gas or volatile gas or steam.

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.

■ Standard accessory
1 pc. of Center flange (fixed with pump)
10m of Submersible cable (fixed with pump)



EBARA Pumps Malaysia Sdn Bhd
6, Jalan TP3, UEP Subang Jaya Industrial Park,
47620 Subang Jaya, Selangor, Malaysia.
Tel : 03-8023 6622 Fax : 03-8023 9355
Email : sales@ebara.com.my
Website : www.ebara.com.my



Certificate No. KLR 0500080
Certificate No. KLR 6027651

Authorised dealer: