

# LIGHTWEIGHT SUBMERSIBLE DEWATERING PUMP

## EUS SERIES 50HZ



### Features

- High abrasive resistance resin semi-open impeller and material by DuPont
- Double mechanical seal / Designed Agitator
- Auto reset thermal protector / Non air locking
- Auto version for small pit usage

### Applications

- Residential, commercial, industrial dewatering and site drainage
- Decorative waterfalls and fountains
- Raw water supply from lakes or rivers
- Sediment removal from small sumps or basins
- Suitable to use in snoring mode

### Data Chart

Type	Output	Discharge	F.L.A.	Head	Rated	Maximum	Free Passage	Weight(W/O Cable)
	HP	Inch	1ø 230V	3ø 400V	Head M	Cap. LPM	mm	1ø-kg
50EUS-5.05	0.5	2"	3A	1.1A	12	240	6	3ø-kg
50(80)EUS-5.10	1	2(3")	5.8A	1.9A	18	375	6	11.3
80EUS-5.10L	1	0.75	5.8A	1.9A	12	290	6	13.9
50(80)EUS-5.20C	2	2(3")	9.5A	2.9A	13	250	6	17.5
50(80)EUS-5.20	2	1.5	13A	3.7A	16	315	6	18
								18.1

» All single-phase and three-phase pumps can be equipped with float switch upon request.  
 » C: Identify ECO; Lower input; L: Identify Larger flow

### Specifications

Liquid Temperature	0~40°C (32~104°F)
Submersible depth	10M
Frequency	50Hz
Pole	2 Pole
Type	Dry Type <sup>a</sup>
Insulation	0.5~1HP:Class B ; 2HP:Class F
Protection	IP 68
Protector	Auto-cut
Bearing	Ball Type
Mechanical seal	Double Mechanical Seal
Impeller	Semi-open Impeller

### Klixon<sup>®</sup>

Klixon protector provides protection against overheating from all running and stalled rotor conditions including:

- Plugging duty
- Stalling or failure to start
- Heavy overloads
- High ambient
- Ventilation failures



**Klixon**  
1PH Protector  
(Thermal)



**Klixon**  
1PH Protector  
(optional)  
(overheat & overload)



**Klixon**  
3PH Protector  
(overheat, overload,  
phase failure)



Agitator



**DU PONT Hytrel<sup>®</sup>**  
Steel coated with  
thermoplastic  
polyester elastomer



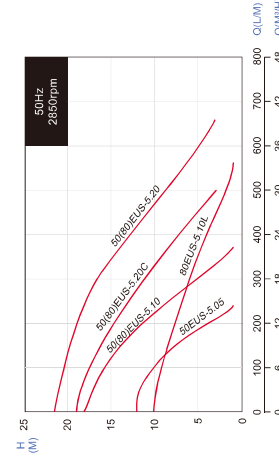
**Optional Suction Plate**  
transfer to residue dewatering pump  
available for 0.5HP and 1HP  
» Removal of residual water down to 3mm

### Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	Nylon 6
3	Motor Cover	ADC 12
4	Bracket	Steel
5	Motor Housing + Stator	ADC12+Steel
6	Shaft with Rotor	ANSI 410
7	Oil Chamber	0.5~1HP : EN-GJL-200 2HP : AISI7Mg
8	Mechanical Seal	Upper : CA/CE Lower : SIC/SIC
11	Impeller	Hytrel
12	Pump Casing	EN-GJL-200
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI
16	Strainer	PVC
28	Agitator	SMF5030

TPI is a family brand of NTN group.

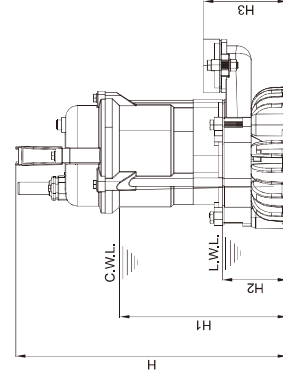
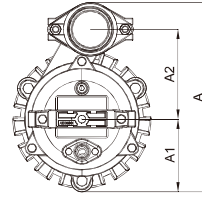
### Performance Curve



All technical information is subject to change without notice.

### Dimensions (mm)

Type	A	A1	A2	H	H1	H2	H3
50EUS-5.05	243	94	117	352	200	84	110
50(80)EUS-5.10	279	94	133	377	225	84	121
80EUS-5.10L	284	94	138	426.5	294	112	149.7
50(80)EUS-5.20C	313	107	155	464	308	94	130
50(80)EUS-5.20	313	107	155	464	308	94	130



50EUS-5.05