



## SUBMERSIBLE DEWATERING PUMP

# EDW

## SERIES 50HZ



High Efficiency  
Closed Impeller



Chromium nickel material  
Excellent against corrosion  
Expelling solid design  
on the back of the impeller

### Features

- Efficient circumferential cooling for continuous duty
- Dry motor design with thermal auto-cut protector, protects motor from overheating
- Robust cable entry with epoxy potted sealing and strain-relief removes the risk of leakage into motor
- Ni Chrome Steel impeller for abrasive liquids
- In-line installation applicable by replacing strainer with a check valve or adapter flange
- Double mechanical seal and lip seal to ensure long life operation

### Applications

- Agriculture industry: irrigation and underground water
- Aquaculture industry: drainage and water supply of fresh water
- Extraction of water from rivers, lakes and reservoirs
- Landscape use and horticulture irrigation related operation

### Data Chart

| Type            | Output |     | Discharge<br>Inch | F.L.A.     |            | Rated     |             | Maximum   |             | Free Passage<br>mm | Weight(W/O Cable) |       |
|-----------------|--------|-----|-------------------|------------|------------|-----------|-------------|-----------|-------------|--------------------|-------------------|-------|
|                 | HP     | kW  |                   | 1ø<br>230V | 3ø<br>400V | Head<br>M | Cap.<br>LPM | Head<br>M | Cap.<br>LPM |                    | 1ø-kg             | 3ø-kg |
| 80EDW-5.20(CH)  | 2      | 1.5 | 3"                | 11A        | 3.8A       | 9.5       | 500         | 16.4      | 820         | 10                 | 47                | 46    |
| 80EDW-5.30(CH)  | 3      | 2.2 | 3"                | 15A        | 5.7A       | 14.5      | 500         | 26.5      | 980         | 10                 | 46                | 45    |
| 100EDW-5.30(CH) | 3      | 2.2 | 4"                | 15A        | 5.7A       | 9.5       | 800         | 17        | 1200        | 10                 | 47                | 46    |
| 80EDW-5.50(CH)  | 5      | 3.7 | 3"                | -          | 7.9A       | 21.5      | 400         | 32.4      | 1040        | 10                 | -                 | 49.5  |
| 100EDW-5.50(CH) | 5      | 3.7 | 4"                | -          | 7.9A       | 12.5      | 1000        | 22        | 1680        | 10                 | -                 | 50.5  |

» (CH) is optional for customized request model with high chrome enclosed impeller, heat treated ductile-iron suction plate and AISI 410 heat treated shaft

### Specifications

|                    |                   |                        |
|--------------------|-------------------|------------------------|
| Liquid Temperature | 0~40°C (32~104°F) |                        |
| Submersible depth  | 10M               |                        |
| Motor Part         | Frequency         | 50Hz                   |
|                    | Pole              | 2 Pole                 |
|                    | Type              | Dry Type               |
|                    | Insulation        | Class F                |
|                    | Protection        | IP 68                  |
| Pump Part          | Protector         | Auto-cut               |
|                    | Bearing           | Ball Type              |
|                    | Mechanical seal   | Double Mechanical Seal |
|                    | Impeller          | Closed Impeller        |

### Optional Accessories



Sacrificial anode  
PEDW-SA-M10



Flange kits  
3", 4" PEDW-FLK



Flange  
3", 4" PEDW-FL



Adapter flange  
3", 4" PEDW-ADF



Check valve  
3", 4" PEDW-CKV



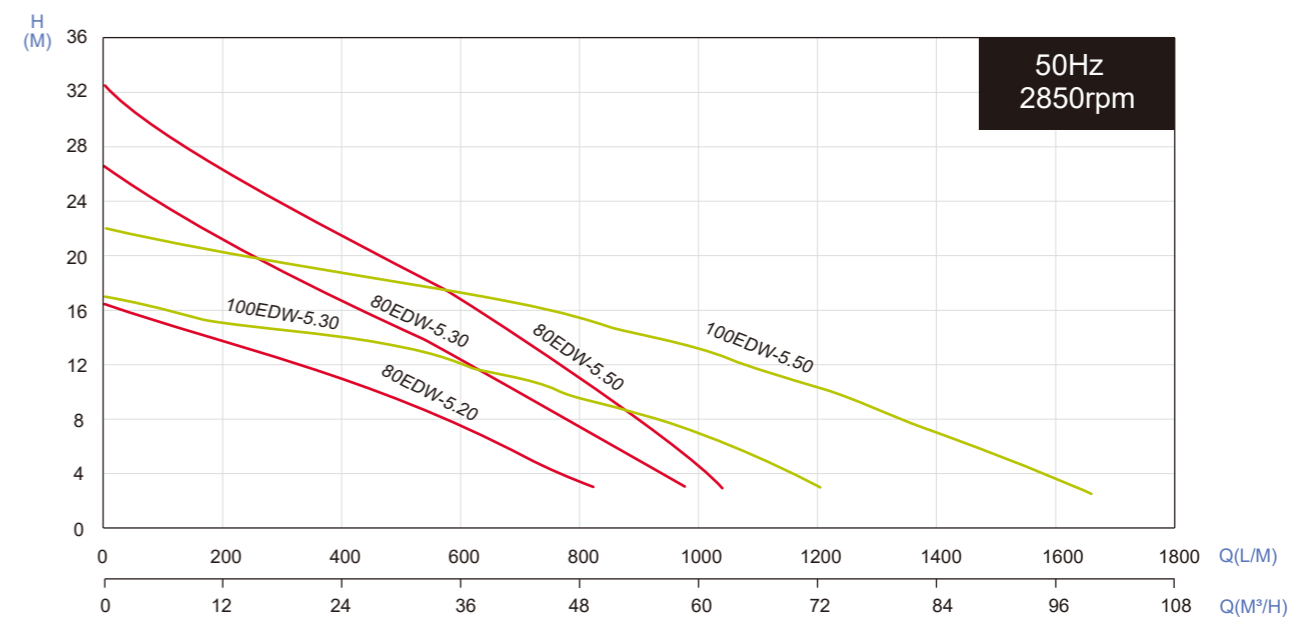
High chrome enclosed impeller  
Heat treated ductile-iron suction plate  
AISI 410 Heat treated shaft  
(Optional for customized request)

### Dimensions (mm)

| Type         | A   | A1  | A2  | H   | H1  | F   | G    |
|--------------|-----|-----|-----|-----|-----|-----|------|
| 80EDW-5.20S  | 247 | 160 | 235 | 568 | 209 | 125 | 14.5 |
| 80EDW-5.20T  | 247 | 160 | 235 | 523 | 187 | 125 | 14.5 |
| 80EDW-5.30S  | 260 | 185 | 235 | 568 | 209 | 150 | 14.5 |
| 80EDW-5.30T  | 260 | 185 | 235 | 523 | 187 | 150 | 14.5 |
| 100EDW-5.30S | 260 | 185 | 235 | 568 | 209 | 150 | 14.5 |
| 100EDW-5.30T | 260 | 185 | 235 | 523 | 187 | 150 | 14.5 |
| 80EDW-5.50T  | 260 | 185 | 235 | 548 | 187 | 150 | 14.5 |
| 100EDW-5.50T | 260 | 185 | 235 | 548 | 187 | 150 | 14.5 |

» S : Single Phase ; T : Three Phase

### Performance Curve



All technical information is subject to change without notice.

### Section View

