

Official agent Benelux
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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

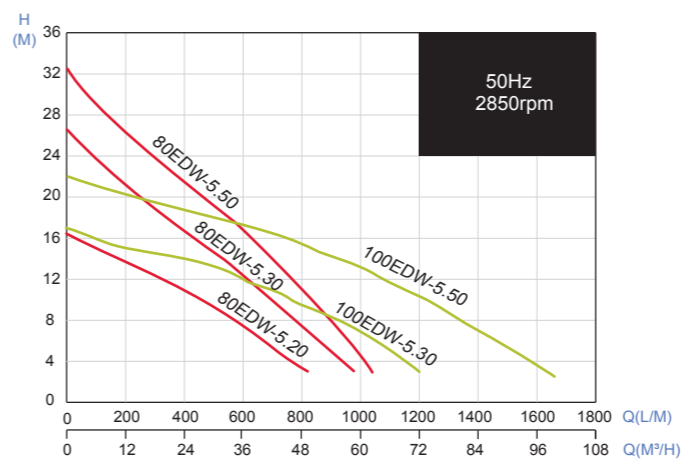
- Agriculture industry: irrigation and underground water
- Aquaculture industry: drainage and water supply of fresh water
- Extraction of water from rivers, lakes and reservoirs
- Landscape use and horticulture irrigation related operation

Data Chart

| Type | Output | | Discharge Inch | F.L.A. | | Rated | | Maximum | | Free Passage mm | Weight(W/O Cable) | |
|-----------------|--------|-----|-------------------|------------|------------|-----------|-------------|-----------|-------------|--------------------|-------------------|-------|
| | HP | kW | | 1ø 230V | 3ø 400V | Head M | Cap. LPM | Head M | Cap. LPM | | 1ø-kg | 3ø-kg |
| 80EDW-5.20(CH) | 2 | 1.5 | 3" | 11A | 3.8A | 9.5 | 500 | 16.4 | 820 | 10 | 45.2 | 44.2 |
| 80EDW-5.30(CH) | 3 | 2.2 | 3" | 15A | 5.7A | 14.5 | 500 | 26.5 | 980 | 10 | 46.6 | 45.6 |
| 100EDW-5.30(CH) | 3 | 2.2 | 4" | 15A | 5.7A | 9.5 | 800 | 17 | 1200 | 10 | 46.6 | 45.6 |
| 80EDW-5.50(CH) | 5 | 3.7 | 3" | - | 7.9A | 21.5 | 400 | 32.4 | 1040 | 10 | - | 48.2 |
| 100EDW-5.50(CH) | 5 | 3.7 | 4" | - | 7.9A | 12.5 | 1000 | 22 | 1680 | 10 | - | 48.2 |

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

Performance Curve



All technical information is subject to change without notice.

Optional Accessories



Sacrificial anode
PEDW-SA-M10



Flange kits
3", 4" PEDW-FLK



Flange
3", 4" PEDW-FL



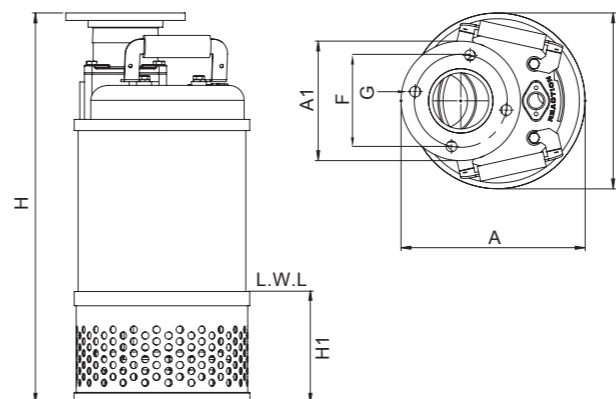
Adapter flange
3", 4" PEDW-ADF



Check valve
3", 4" PEDW-CKV



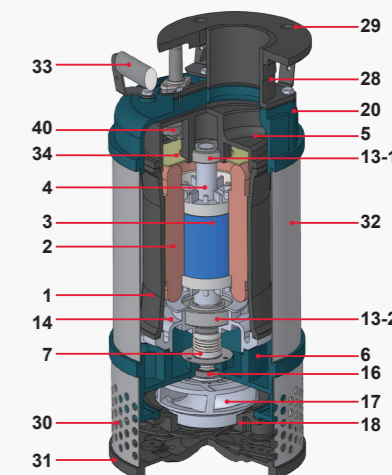
High chrome enclosed impeller
Heat treated ductile-iron suction plate
AISI 410 Heat treated shaft
(Optional for customized request)



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



Parts and Material List

| No. | Part | Material |
|------|------------------------|--------------------------------|
| 1 | Motor Frame | EN-GJL-200 |
| 2 | Stator | |
| 3&4 | Shaft with Rotor | AISI 304 |
| 5 | Motor Cover | EN-GJL-200 |
| 6 | Pump Casing | EN-GJL-200 |
| 7 | Mechanical Seal | Upper: CA/CE Lower: SIC/SIC |
| 13-1 | Upper Bearing | NTN/TPI |
| 13-2 | Lower Bearing | NTN/TPI |
| 14 | Bottom Bearing Bracket | EN-GJL-200 |
| 16 | Shaft Sleeve | AISI 304 |
| 17 | Impeller | Ni Chrome Steel |
| 18 | Suction Plate | EN-GJL-200 |
| 20 | Upper Cover | EN-GJL-200 |
| 28 | Discharge | EN-GJL-200 |
| 29 | Flange | EN-GJL-200 |
| 30 | Strainer | AISI 304 |
| 31 | Base Plate | EN-GJL-200 |
| 32 | Outer Case | AISI 304 |
| 33 | Handle | SC+PVC |
| 34 | Bracket | EN-GJL-200 |
| 40 | Thermal Protector | KLIXON |

TPI is a family brand of NTN group.