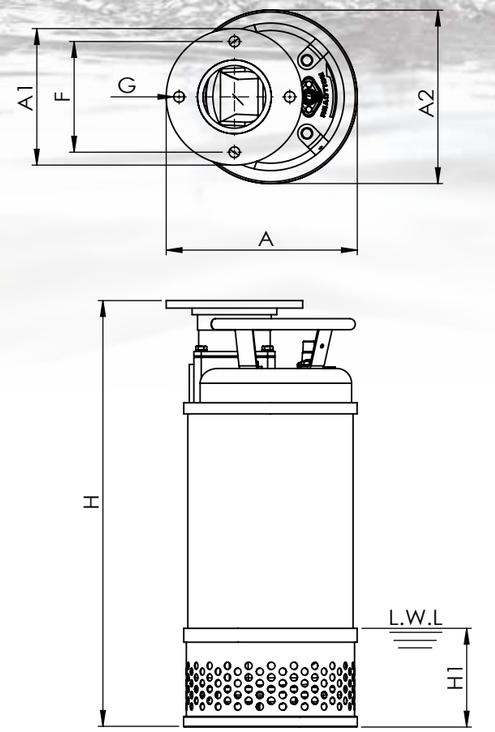
EDW-Series Dimensions



Dimensions (mm)							
Type	A	A1	A2	H	H1	F	G
80EDW-6.20S	247	160	235	568	209	125	14.5
80EDW-6.20T	247	160	235	523	187	125	14.5
80EDW-6.30S	260	185	235	568	209	150	14.5
80EDW-6.30T	260	185	235	523	187	150	14.5
100EDW-6.30S	260	185	235	568	209	150	14.5
100EDW-6.30T	260	185	235	523	187	150	14.5
80EDW-6.50T	260	185	235	548	187	150	14.5
100EDW-6.50T	260	185	235	548	187	150	14.5

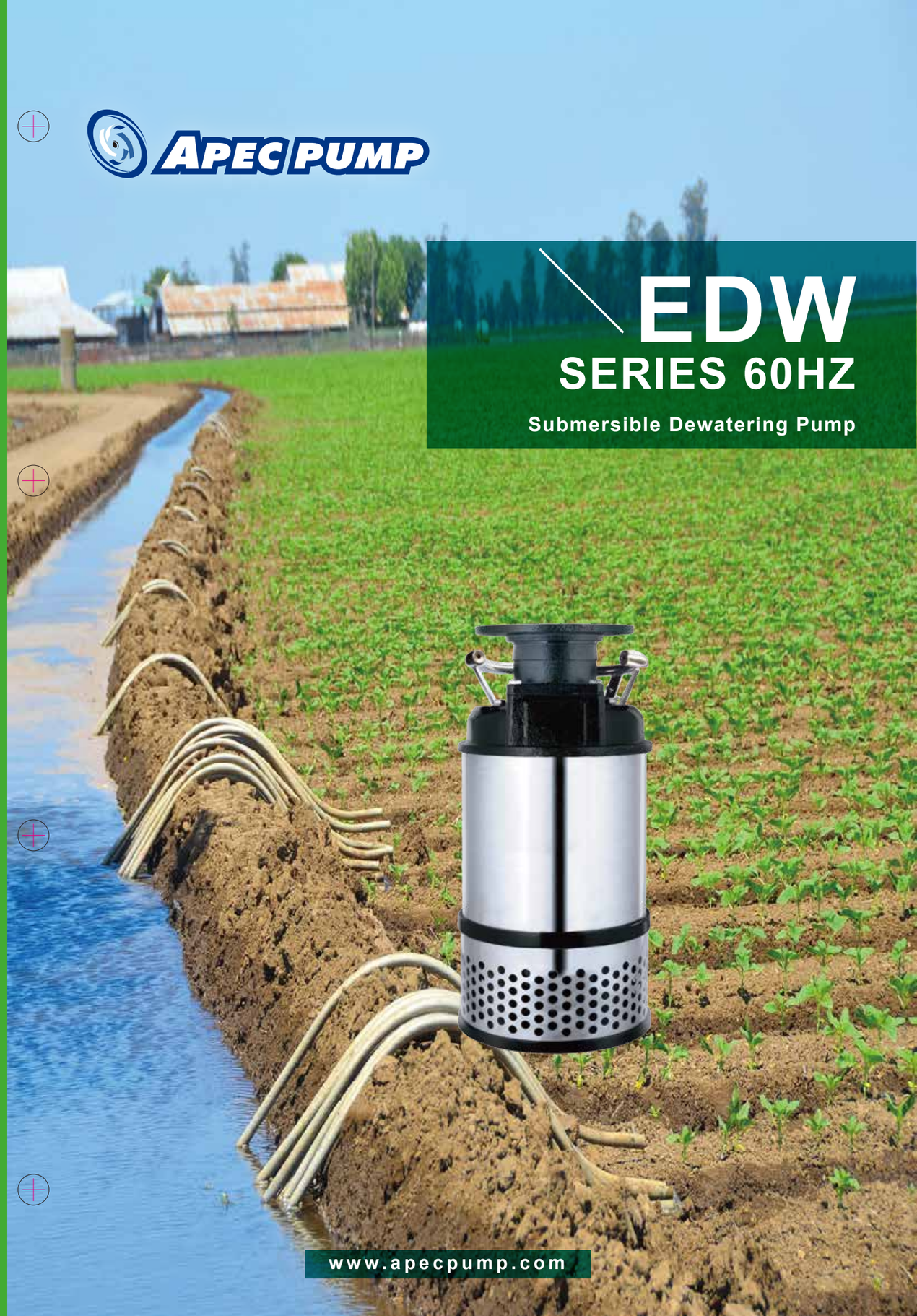
» Note: S: Single Phase ; T: Three Phase

APEC PUMP ENTERPRISE CORP.
3F.,No.394,Sec.2 Mingzhi Rd.,Taishan Dist.,New Taipei City 243,Taiwan.
TEL: +886-2-29034567 **Fax:** +886-2-29064567

Vol.P1EDW-22051K

APEC PUMP

EDW
SERIES 60HZ
Submersible Dewatering Pump



www.apecpump.com

EDW
SERIES 60HZ
Submersible Dewatering Pump

Feature

/ 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

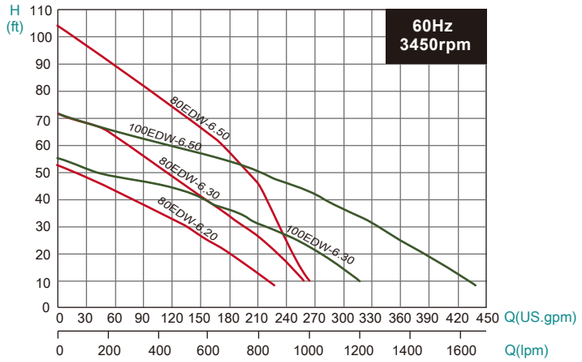
Application

/ 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.

Specifications

Liquid Temperature		0~40˚C (32~104˚F)
Submersible depth		10M
Motor Part	Frequency	60Hz
	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

Performance Curve



EDW

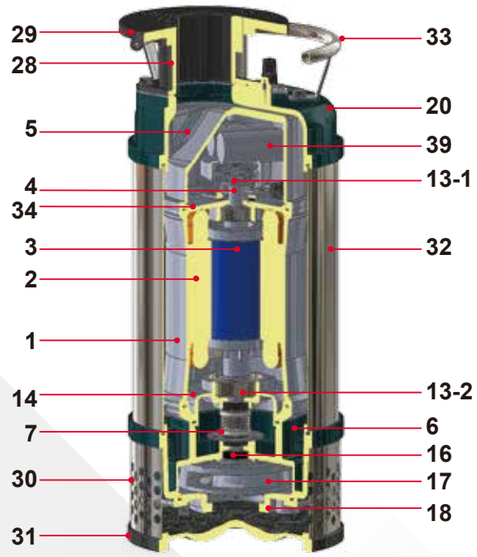
High Efficiency
Closed Impeller

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

Parts and Material List

No.	Part	Material
1	Motor Frame	ASTM A48 Class 30
2	Stator	-
3&4	Shaft with Rotor	AISI 304
5	Motor Cover	ASTM A48 Class 30
6	Pump Casing	ASTM A48 Class 30
7	Mechanical Seal	Upper: CA/CE
	(EagleBurgmann)	Lower: SIC/SIC
13-1	Upper Bearing	NTN/TPI
13-2	Lower Bearing	NTN/TPI
14	Lower Bearing Bracket	ASTM A48 Class 30
16	Shaft Sleeve	AISI 304
17	Impeller	Ni Chrome Steel
18	Suction Plate	ASTM A48 Class 30
20	Upper Cover	ASTM A48 Class 30
28	Discharge	ASTM A48 Class 30
29	Flange	ASTM A48 Class 30
30	Strainer	AISI 304
31	Base Plate	ASTM A48 Class 30
32	Outer Case	AISI 304
33	Handle	AISI 304
34	Upper Bearing Bracket (1PH)	ASTM A48 Class 30
39	Start&Run Capacitor	-

Note:TPI is a family brand of NTN group.



Data Chart

Type	Output		Discharge	F.L.A.			Rated		Maximum		Free Passage	Weight(W/O Cable)	
	HP	kW	Inch	1ø 230V	3ø 230V	3ø 460V	Head ft	Cap. gpm	Head ft	Cap. gpm	mm	1ø-kg	3ø-kg
80EDW-6.20(CH)	2	1.5	3”	11A	6.6A	3.8A	31	132	53	227	10	47.0	46.0
80EDW-6.30(CH)	3	2.2	3”	15A	9.5A	5.2A	46	132	72	259	10	46.0	45.0
100EDW-6.30(CH)	3	2.2	4”	15A	9.5A	5.2A	31	211	56	317	10	47.0	46.0
80EDW-6.50(CH)	5	3.7	3”	-	15A	8.2A	70.5	132	105	259	10	-	49.5
100EDW-6.50(CH)	5	3.7	4”	-	15A	8.2A	41	265	72	444	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

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)