



Submersible Contractor De-watering Pumps

Compact design, high performance and durability for handling extremely abrasive media, ranging from general construction to civil engineering.

Output:

7.5Kw & 11Kw.

Features:

- Construction:

- Completely water-tight cable entry sealed with epoxy resin.
- Durable cast iron outer in semi-interior construction case achieves superior heat dissipation.
- Stainless steel strainer.

- Motor:

- Oil-free hermetically sealed, with built-in thermal overload protector.
- 3 phase, 2 pole, 50Hz 2850 rpm or 60Hz 3450 rpm, Insulation Class F=155°C, Protection Type IP68.

- Bearing:

- The motor shaft is supported by lubricated-for-life and maintenance free ball bearings.

- Shaft sealing:

- Shaft in high quality corrosion-resistant stainless steel.
- Double mechanical seals (one TC/TC or SIC/SIC+one Carbon/Ceramic) ensure greatest durability.
- Oil chamber filled with oil ISO VG32.

- Impeller:

- The well-balanced impeller is made of High Chrome Steel with hardness 55-58 Rockwell C.
- High head/low volume and low head/high volume are inter-changeable by merely changing impeller and discharge coupling.

- Inlet Plate & Pump Casing:

- Made of wear-resistant ductile iron to withstand very abrasive liquids.

- Others:

- Max. liquid temperature: 40°C (104°F)
- Depth submerged $\leq$ 10M
- Standard cable: 4C $\times$ 5.5mm² $\times$ 18.5mm (Dia.) $\times$ 8m (Length) - Output 7.5Kw
4C $\times$ 8.0mm² $\times$ 20mm (Dia.) $\times$ 8m (Length) - Output 11Kw



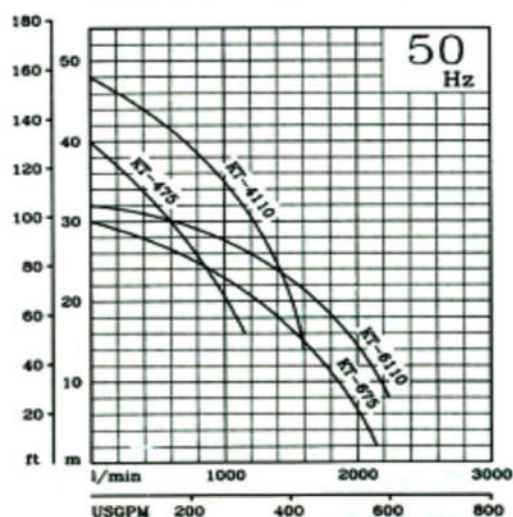
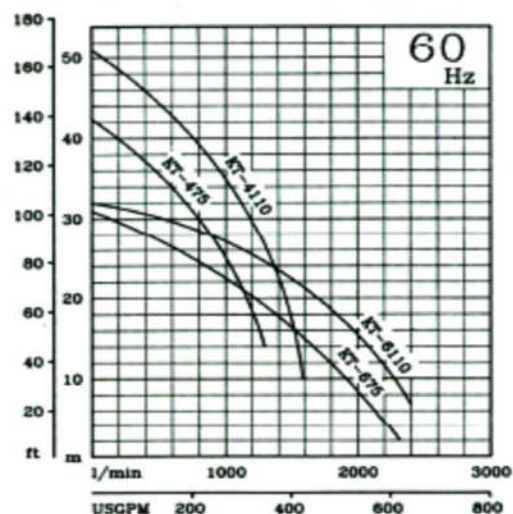
Applications:

- * General construction & civil engineering application.
- * Tunnel & subway construction, mining and reclamation operation.
- * Deep-well pre-dewatering.

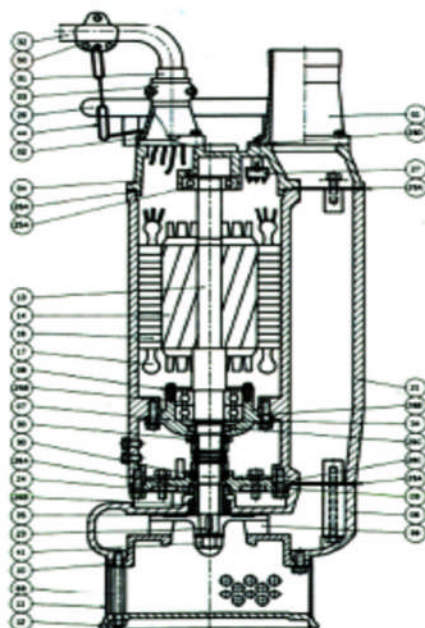
Parts List:

No.	Description	Material
1	Hose Tail	AC
2	Cable Gland	Fiber Plastic
4	Upper Cover	FC200
6	Pump Casing	FCD450
7	Bearing Block	FC200
8	Bearing Disc	SPC
10	Inlet Plate	FCD450
11	Strainer	SUS304
12	Bottom Plate	FCD450
13	Shaft	SUS420J2
14	Rotor	Silicon Steel
16	Stator	Silicon Steel
17	Coil	
20	Handle	SUS304
21	Motor Frame	FC200
23	Key	SUS304
24	Shaft Sleeve	SUS420J2
25a-b	Bearing	Ball Bearing
26	Oil Seal	NBR
27	Motor Protector	
28a-c	O-Ring	NBR
29a-b	Gasket	NBR
30a	Mech. Seal	CE/CA
30b	Mech. Seal	SIC/SIC
31	Cable Sleeve	NBR
32	Cable	
34	Collar	SC40
39	Impeller	HCR
41	Nut	SUS304
42a-1	Screw	SUS304
43	Steel Ring	SUS304
69	Bolt	SUS304
87	Grip	SUS304
89	Spring	SC40
90	Block Cover	SPC

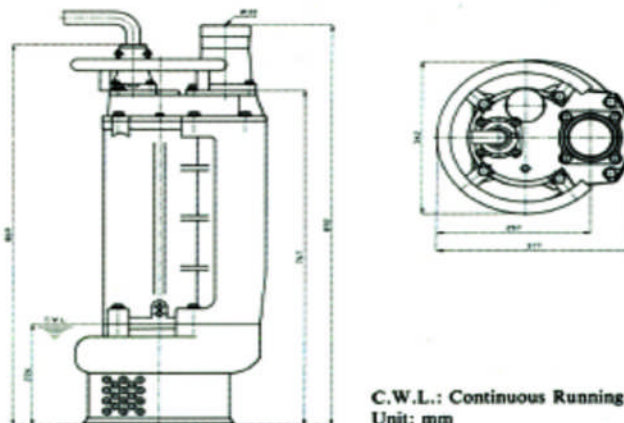
Performance Curves:



Sectional Drawing:



Dimensions:



C.W.L.: Continuous Running Water Level
Unit: mm

Technical Specifications:

Type	Outlet		Output		Voltage	Nor. Head		Nor. Capacity		Max. Head		Max. Capacity		Solid Passing		Weight	
	mm	inch	Kw	Hp		m	Ft.	l/min.	USGPM	m	Ft.	l/min.	USGPM	mm	inch	Kg	lb
KT-475	100	4	7.5	10	3p,220/380 415/440	30	98.4	800	211	40	131	1500	396	15	0.6	127	280
KT-675	150	6	7.5	10		15	49.2	1600	423	30	98	2200	581			127	280
KT-4110	100	4	11	15		35	115	1000	264	48	157	1600	423			140	309
KT-6110	150	6	11	15		20	65.6	1700	449	32	105	2400	634			140	309

* All specifications are subject to change without notice.