



WQ Series

Submersible Vortex Pump



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WQ SERIES SUBMERSIBLE PUMP

FEATURES

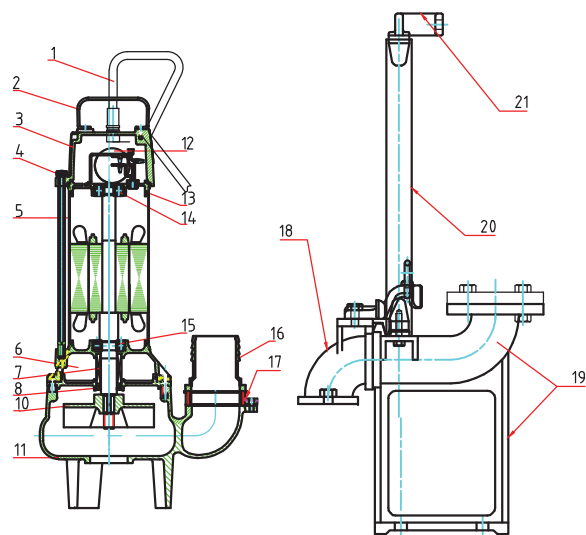
Equipped with vortex impeller allowing solid matters to be pumped out without obstruction. Back pull-out design for easy inspections and maintenance. Installation, available in elbow and auto setter configuration.

Insulation Class:	B
Protection Class:	IP68
Trans Medium's PH:	4-10
Fluid Temperature limit:	<40°C
Max Ambient Temperature:	<40°C
Operating Depth:	5 m

APPLICATION

Suitable for industry usage, agriculture mining, building construction, environmental protection, carrying slurry, mortar, daily sanitary wastewater, and sewage containing flocks, papers, mud, sand and other solid particles as well as dredging.

CONSTRUCTION



No.	Components	Material
1	Power Cable	PVC
2	Handle	Steel
3	Motor Cover	Cast Iron
4	Long Bolt	Stainless Steel
5	Motor Housing	Stainless Steel
6	Oil Chamber	Cast Iron
7	Double Mechanical Seal (Back to Back)	Carbon, Silicon/Ceramics, Silicon/NBR
8	Oil Seal cover	Steel
9	Oil Seal	Assembly
10	Impeller	Cast Iron
11	Pump Casing	Cast Iron
12	Capacitor	Assembly (220V / 1ph)
13	O-Ring	NBR
14	Bearing	Assembly
15	Bearing	Assembly
16	Connector	Cast Iron
17	Outlet Flange	Cast Iron
18	Slide Flange Setter	Cast Iron
19	Duckfoot	Cast Iron
20	Rain Piping	-
21	Fixed Frame	Steel

MODEL DESCRIPTION

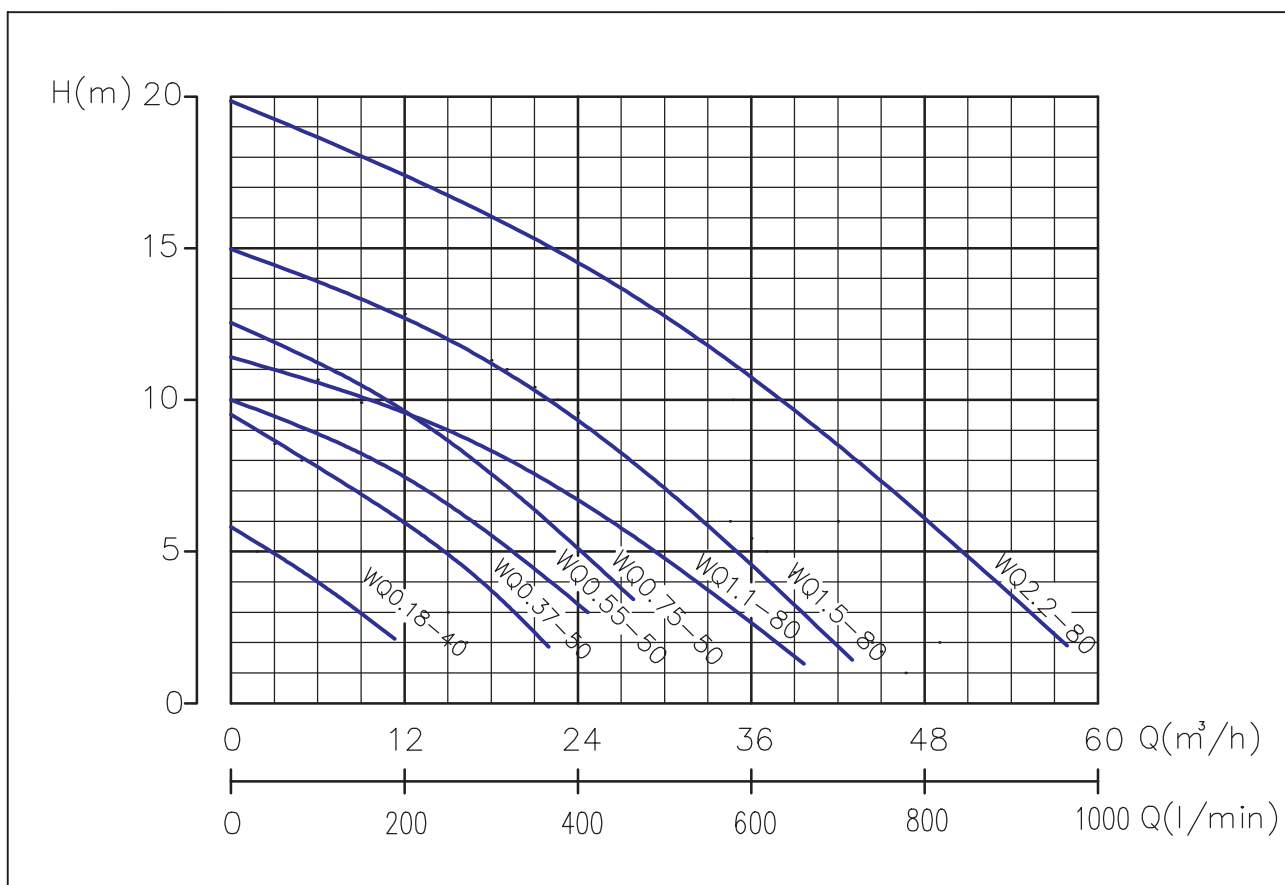
Series name		WQ 0.37 - 40 S / A
Rated power of pump. Kw		0.37 - 40
Discharge bore, mm.		S
		A
		"A" Auto setter installation Type. "E" Eblow connection Type.
		"S" Power source 220V/1Phase, 50Hz. "T" Power source 380V/3Phase, 50Hz.

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SPECIFICATION TABLE

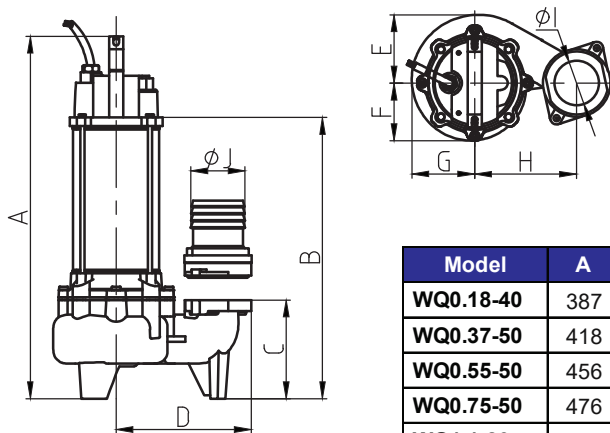
Model	Power (Kw)	Voltage / Phase	Rated Capacity		Solid passage (mm)	Discharge (mm)	Pump Weight (Kg)
			Flowrate (m ³ /hr)	Head (m)			
WQ0.18-40	0.18	220V / 1	6	4	32	40	10
		380V / 3					
WQ0.37-50	0.37	220V / 1	10	6.5	35	50	11
		380V / 3					
WQ0.55-50	0.55	220V / 1	10	8.3	35	50	16
		380V / 3					
WQ0.75-50	0.75	220V / 1	14	9	35	50	17
		380V / 3					
WQ1.1-80	1.1	380V / 3	15	9.6	46	80	22
WQ1.5-80	1.5	380V / 3	20	10.5	46	80	24
WQ2.2-80	2.2	380V / 3	25	14.3	46	80	31

PERFORMANCE CURVE



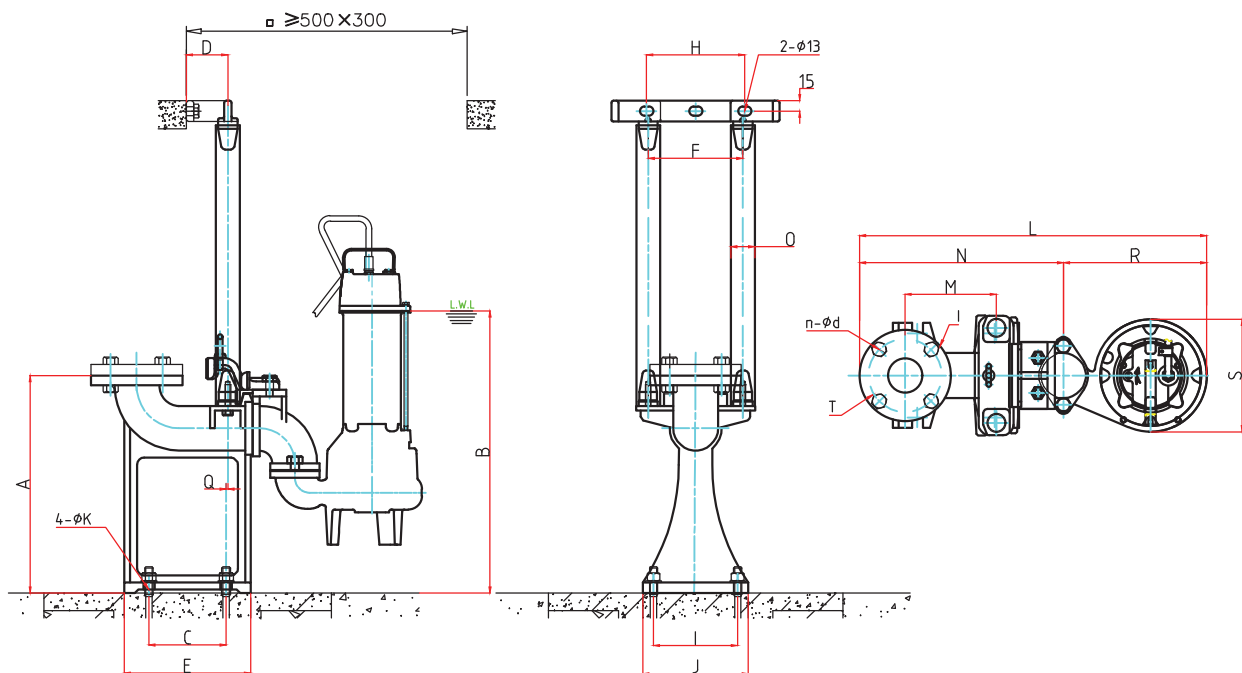
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INSTALLATION DIMENSIONS (WITHOUT AUTOSETTER)



Model	A	B	C	D	E	F	G	H	I	J
WQ0.18-40	387	283	123	128	78	65	69	100	32	40
WQ0.37-50	418	314	110	179	82	66	73	120	44	51
WQ0.55-50	456	340	129	184	90	77	82	130	44	51
WQ0.75-50	476	360	129	184	90	77	82	130	44	51
WQ1.1-80	482	366	141	211	97	83	89	145	63	77
WQ1.5-80	517	401	141	211	97	83	89	145	63	77
WQ2.2-80	618	492	160	227	122	95	109	160	63	77

INSTALLATION DIMENSIONS (WITH AUTOSETTER)



Model	A	B	C	D	E	F	H	I	J	K	L	M	N	O	Q	R	S	T	n-Ød
WQ0.18-40	310	483	110	59	180	135	140	120	150	16	459	130	290	25	2.5	169	143	105	4-Ø15
WQ0.37-50	310	483	110	59	180	135	140	120	150	16	483	130	290	25	2.5	193	148	105	4-Ø15
WQ0.55-50	310	483	110	59	180	135	140	120	150	16	483	130	290	25	2.5	193	167	105	4-Ø15
WQ0.75-50	310	483	110	59	180	135	140	120	150	16	502	130	290	25	2.5	212	167	105	4-Ø15
WQ1.1-80	310	483	110	59	180	135	140	120	150	16	524	130	290	25	2.5	234	180	105	4-Ø15
WQ1.5-80	310	483	110	59	180	135	140	120	150	16	524	130	290	25	2.5	234	180	105	4-Ø15
WQ2.2-80	340	513	180	65	240	130	295	180	220	20	559	156	290	40	54	269	217	160	4-Ø19