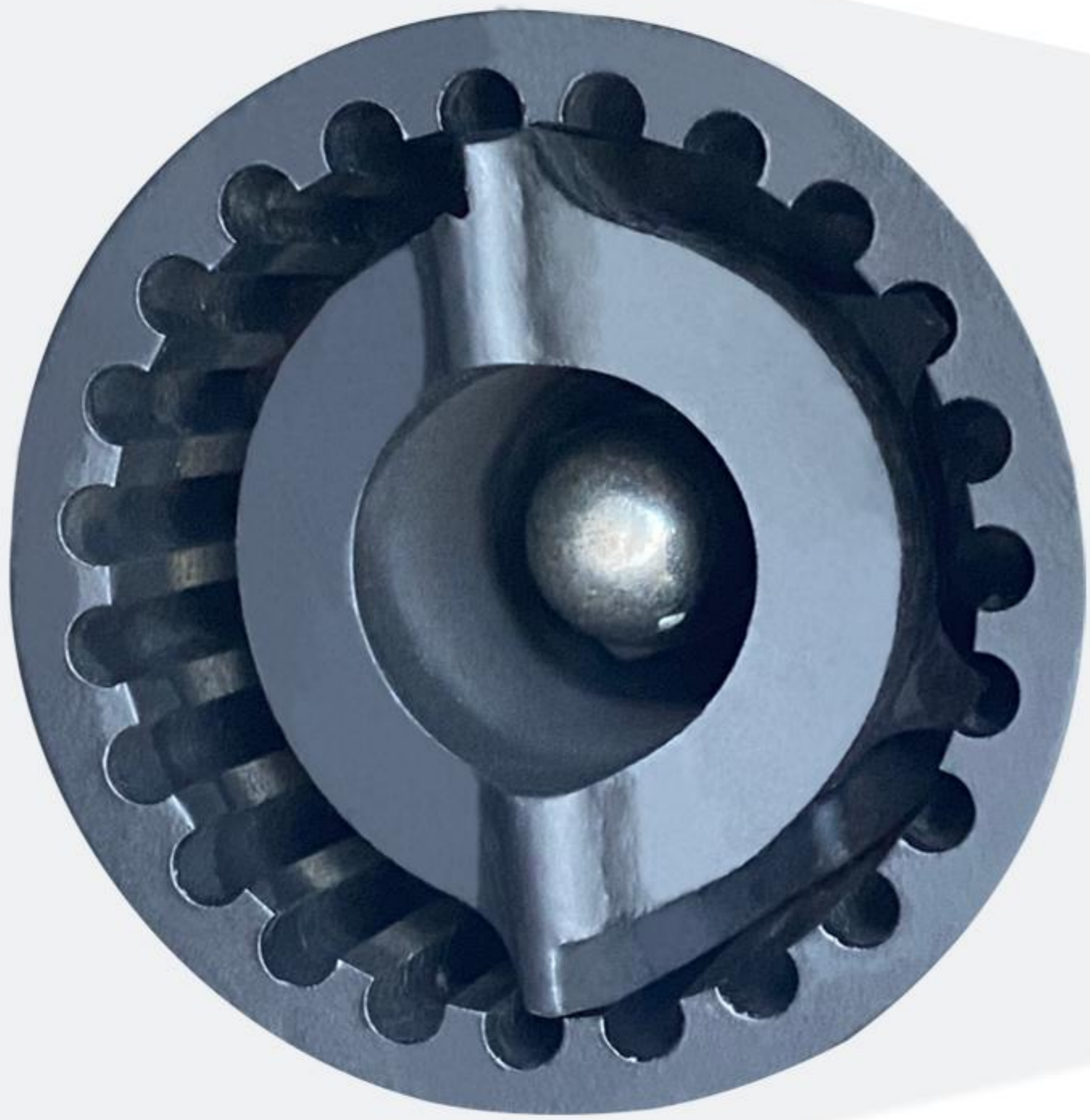


MP Series Grinder Impeller Pump



MP series submersible grinder pump are designed for economical and reliable pumping of sewage water from commercial, communal and industrial sources.

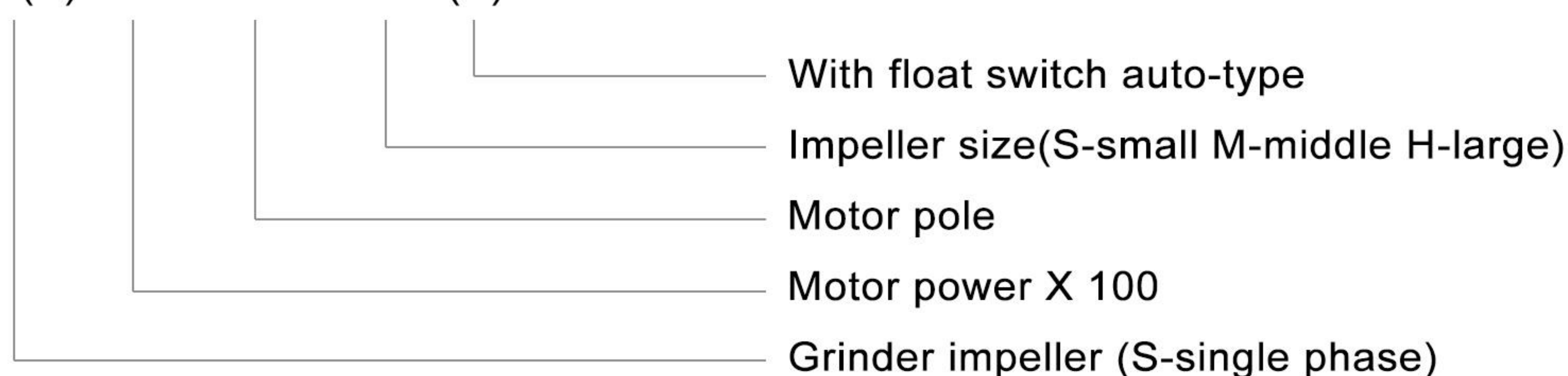
APPLICATION

They are suitable for waste water containing solid and fibrous material.

Used in conjunction with the automatic coupling system the below ground level wet installation is a particularly economical solution which also does not damage the environment.

MODEL DESCRIPTION

MP(S) XX - XX H/M/S(A)



TECHNICAL DESCRIPTION

Motor

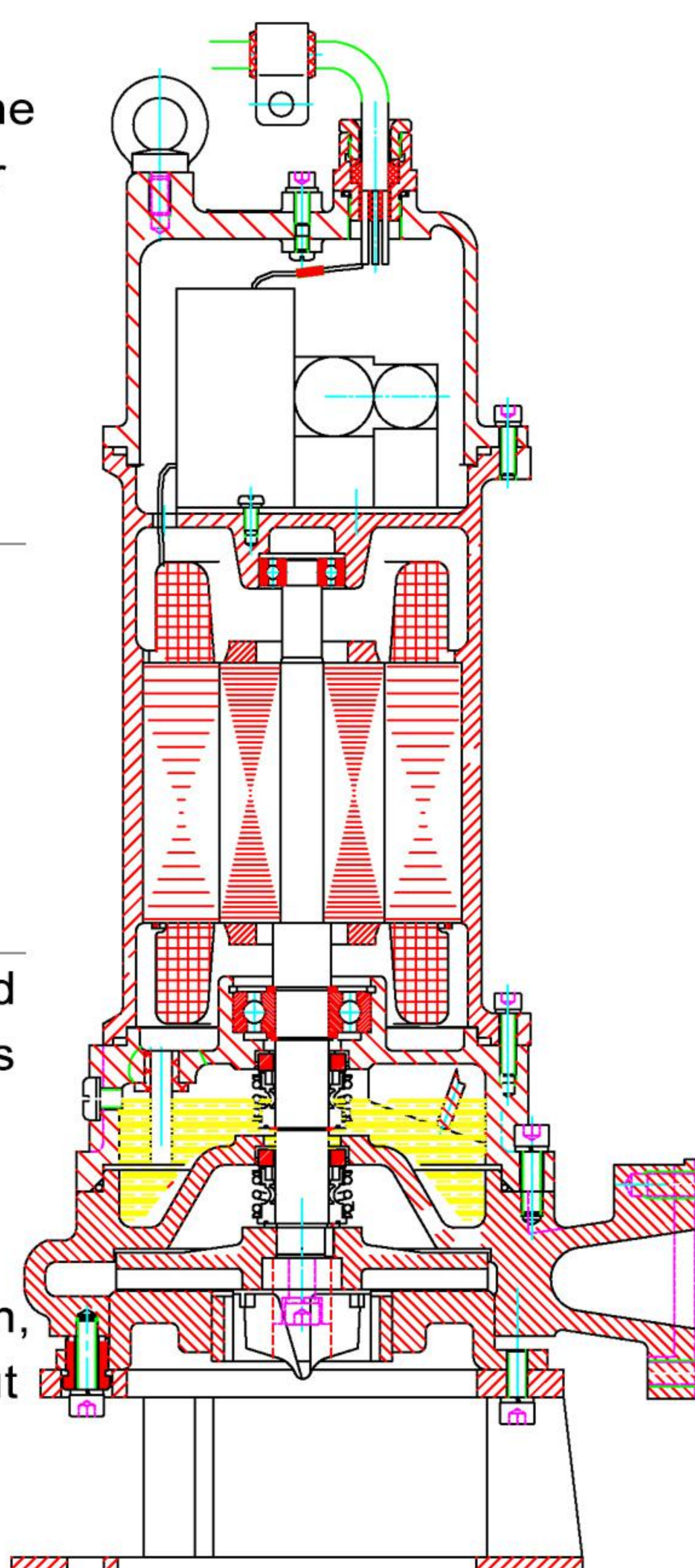
The unique insulation design ensures the motor can still run normally if little water is in the chamber of motor. The optimal design of motor guarantees that the pump is able to start running when the hydraulic parts is submerged by some mud and sands.

Motor submerged

Continuous operation S1

Hydraulic parts

Processed with advanced CFD flow field diagnose technology, it has many merits like high efficiency, no block and anti-corrosion etc. The impeller is adopted semi-open multi-vane, and grinder parts are installed on the suction, to ensure that large materials can be cut into pieces and passed smoothly.



Sealing design

We take many improvement measures for pump sealing, adopt two double mechanical seal design, which enable the product to be safer and more reliable.

Protection measures

Leakage protection in oil chamber, motor overload protection.

Medium temperature

Up to 40°C

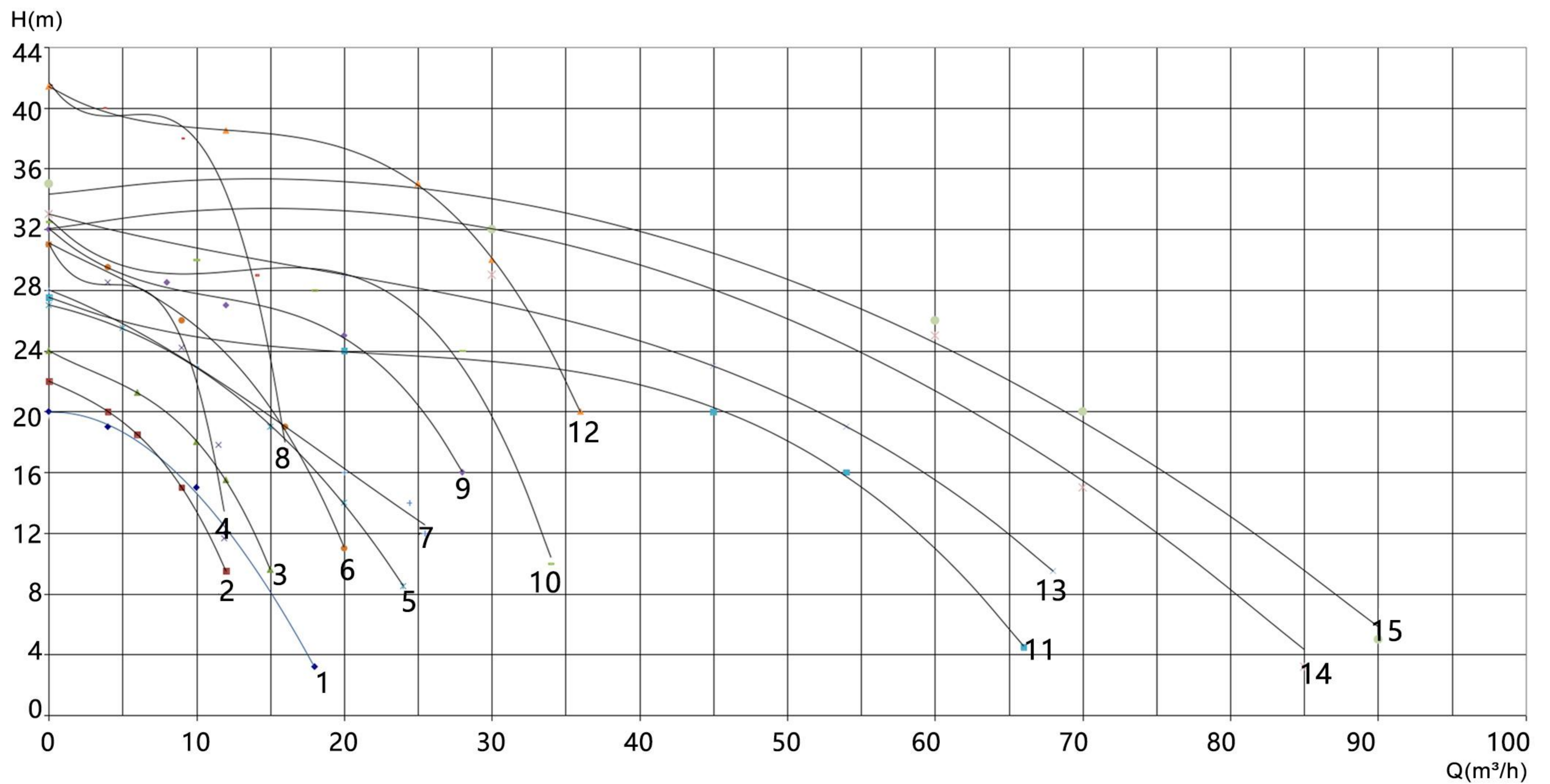
Material

Pump casing, volute, impeller is GG20. Mechanical seal is SiC/WC. Cable is heavy rubber set soft cable, duty voltage 450/750V, PVC outer sheathed copper conductor, grinder parts are high-chromium alloy.

TECHNICAL DATA

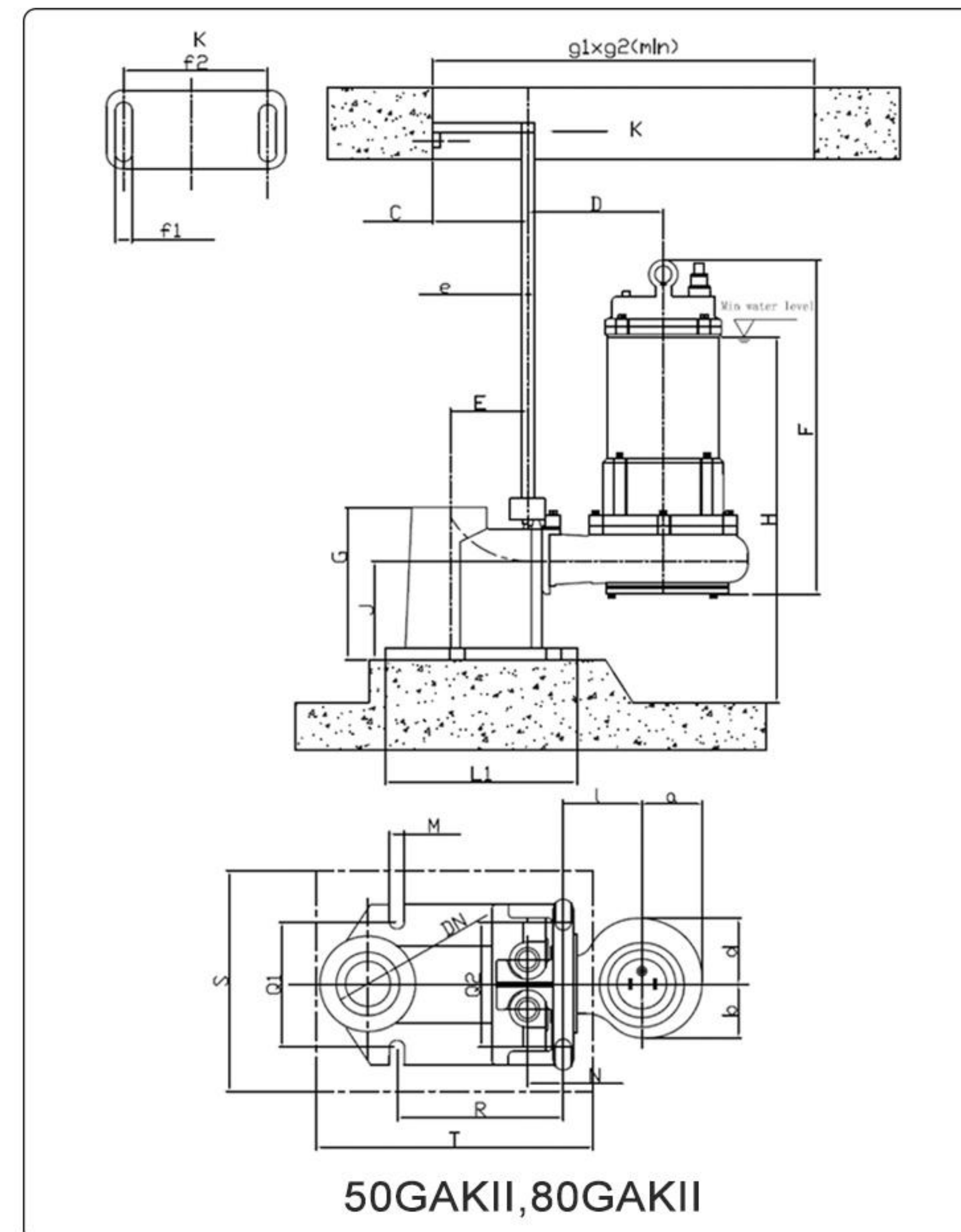
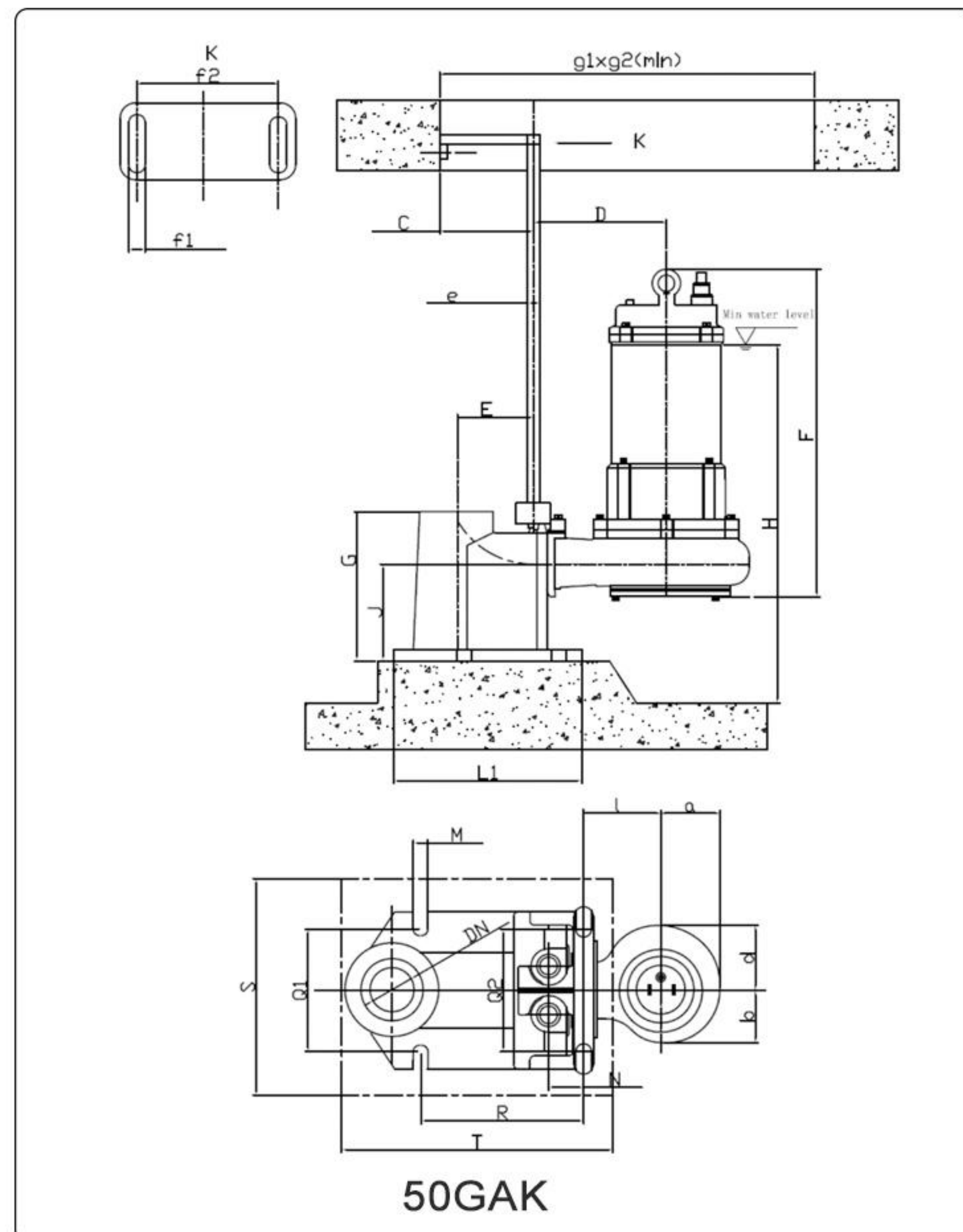
No.	Model	Capacity (m ³ /h)	Head (m)	Power (Kw)	Outlet (mm)	Phase	Weight (kg)	Pedestal	
1	MP75-2(A)	4	19	0.75	32	3	30	50GAK	
	MPS75-2(A)					1			
2	MP100-2(A)	9	15	1		3	32		
	MPS100-2(A)					1			
3	MP150-2(A)	10	18	1.5		3	33		
	MPS150-2(A)					1			
4	MP220-2H(A)	9	24	2.2		50	52		50GAKII
5	MP220-2M(A)	20	14						
6	MP300-2H(A)	9	26	3					
7	MP300-2M(A)	20	22						
8	MP400-2H(A)	9	38	4					
9	MP400-2M(A)	20	25						
10	MP550-2H	28	24	5.5			150		
11	MP550-2M	40	19						
12	MP750-2H	30	30	7.5			165		
13	MP750-2M	40	23						
14	MP1100-2M	70	15	11	200				
15	MP1500-2M	70	20	15					

PERFORMANCE CURVE



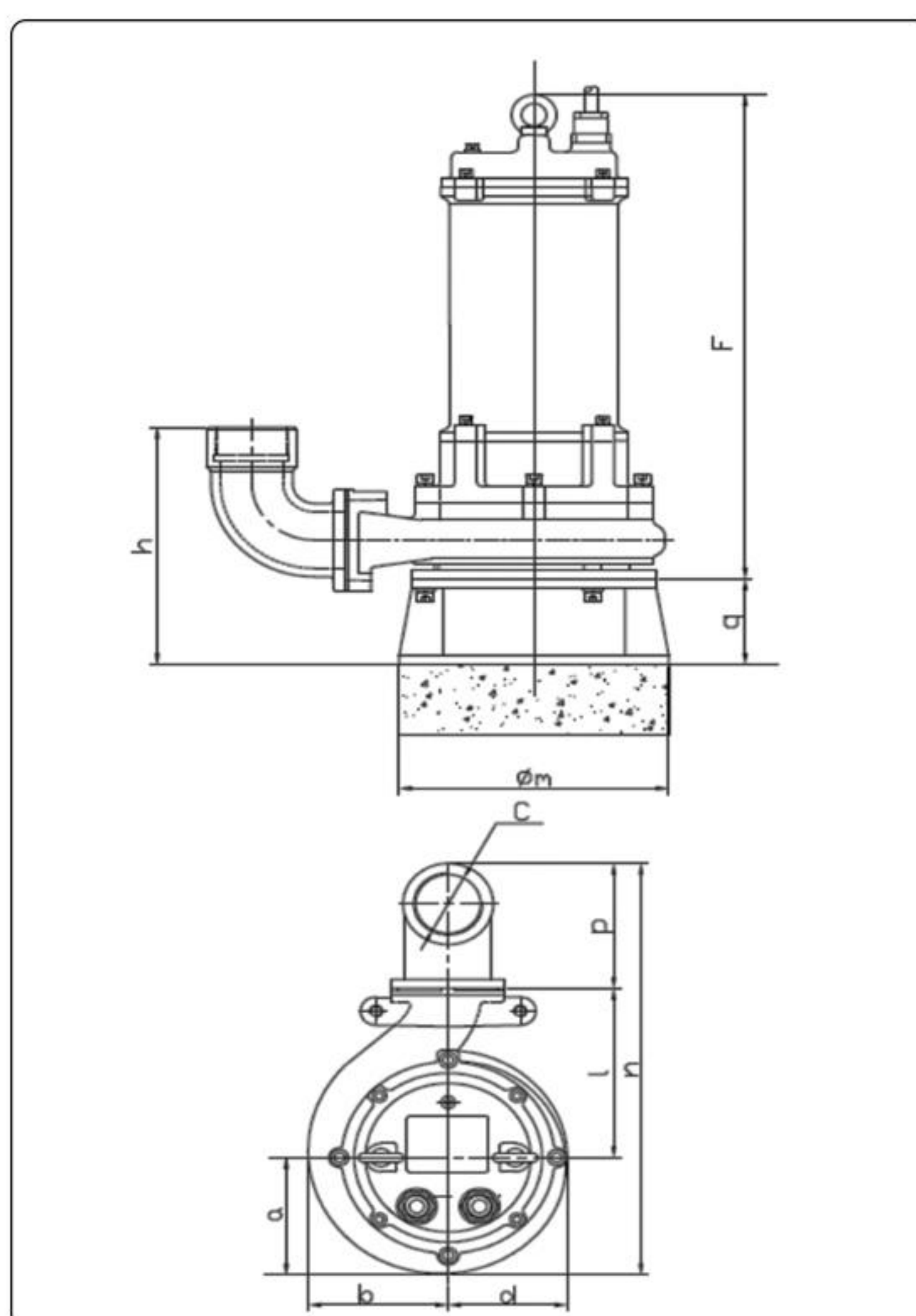
INSTALLATION SYSTEM

Wet Installation



Type	DN	C	D	E	M	G	e	J	X
50GAK	Rc2"	83	170	75	12	170	Φ19	100	-
50GAK- II	Rc2"	90	230	140	16	230	Φ40	143	160
80GAK- II	Rc3"	80	270	190	18	250	Φ40	128	190
Type	N	Q1/Q2	g1xg2(min)	R	Y	Z	S	T	f1/f2
50GAK	45	105/105	500x500	100	-	-	450	550	12/48
50GAK- II	15	140/140	800x700	100	125	4-Φ18	450	550	20/160
80GAK- II	15	260/225	1100x800	205	160	8-Φ18	450	550	14/160

Portable Installation



No	Model	b	d	l	c	h	F	n	p	q	m	a
1	MP75-2	110	97	140	Rc2"	187	357	355	110	50	190	105
2	MP75-2(A)	110	97	140	Rc2"	187	449	355	110	50	190	105
	MPS75-2											
3	MPS75-2(A)	116	96	150	Rc2"	221	446	370	110	75	215	110
	MP100-2											
4	MP150-2	116	96	150	Rc2"	221	506	370	110	75	215	110
	MP100-2(A)											
	MPS100-2											
	MPS100-2(A)											
	MP150-2(A)											
5	MPS150-2	110	100	160	Rc2"	235	479	378	110	90	240	108
	MPS150-2(A)											
6	MP220-2	110	100	160	Rc2"	235	524	378	110	90	240	108
	MP300-2											
7	MP220-2(A)	140	118	190	Rc2"	257	553	430	110	105	260	130
	MP300-2(A)											
8	MP400-2	140	118	190	Rc2"	257	598	430	110	105	260	130
	MP400-2(A)											
9	MP550-2	155	155	240	Rc3"	418	742	430	135	215	260	130
	MP750-2											
10	MP1100-2	193	162	240	Rc3"	466	990	638	225	170	380	173
	MP1500-2											