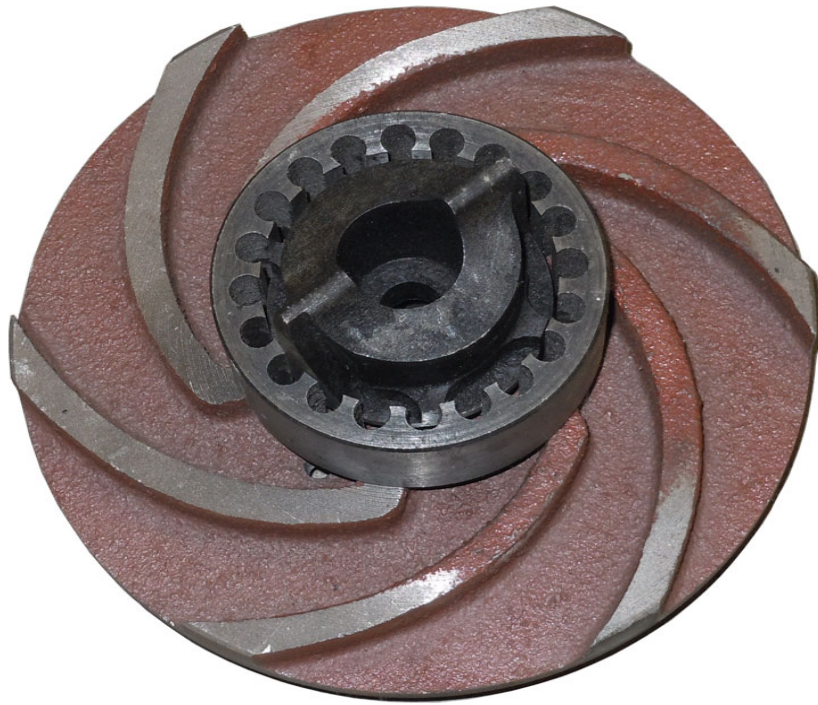


MP series grinder impeller pump



APPLICATION

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

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

The pump are also suitable for quick portable applications

MODEL DESCRIPTION

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

| | | | |__With float switch auto-type

| | | |____Impeller size

| | |____Motor pole

| |____Motor power X 100

|____Grinder impeller (S-single phase)

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

Medium temperature: Up to 40°C

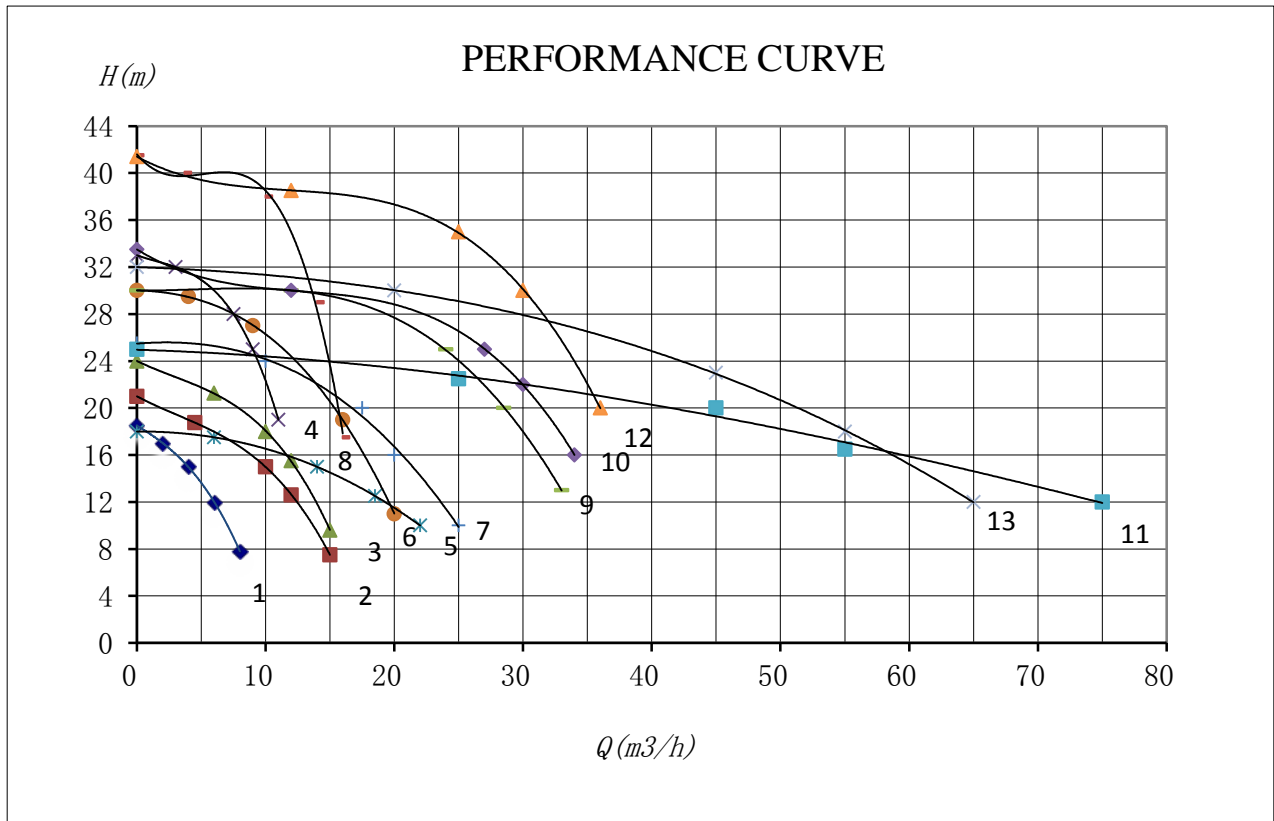
Hydraulic parts: processed with advanced CFD flow field diagnose technology, it has many merits like high efficiency, no block and anti-corrosion etc. the impeller is adopted semi-open single or double vane with cutter design, they have large flow channel to ensure that large solid can be passed.

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

Material: pump casing, volute, impeller is GG20, mechanical seal is SiC/SiW, cable is rubber

PERFORMANCE CURVE



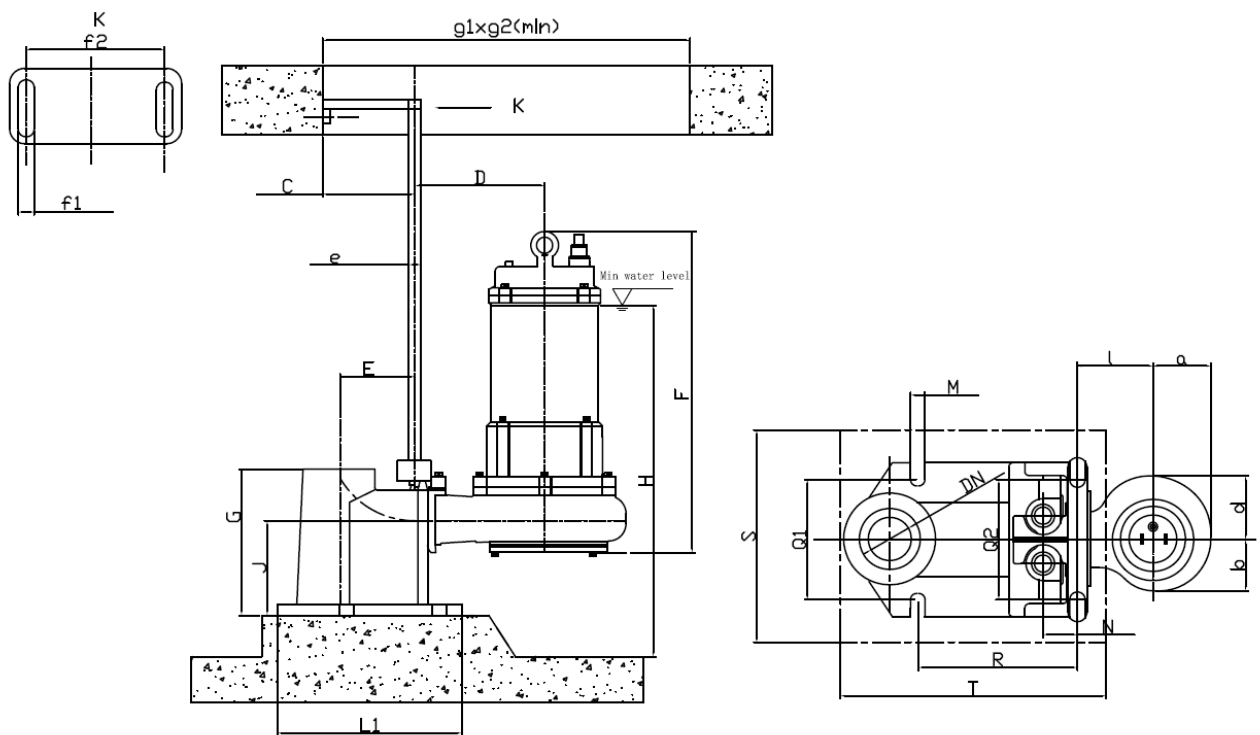
TECHNICAL DATA

No.	Model	Capacity (m3/h)	Head (m)	Power (Kw)	Outlet (mm)	Phase	Weight (kg)	Pedestal
1	MP75-2 (A)	6	12	0.75	32	3	30	50GAK
	MPS75-2(A)					1		
2	MP100-2 (A)	10	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	25	2.2		3	52	
5	MP220 -2M (A)	14	15					
6	MP300 -2H (A)	9	27	3				
7	MP300 -2M (A)	20	16					
8	MP400-2H(A)	10	38	4				
9	MP400 -2M (A)	24	25					
10	MP550-2H	27	25	5.5	50		150	80GAKII
11	MP550-2M	45	20					

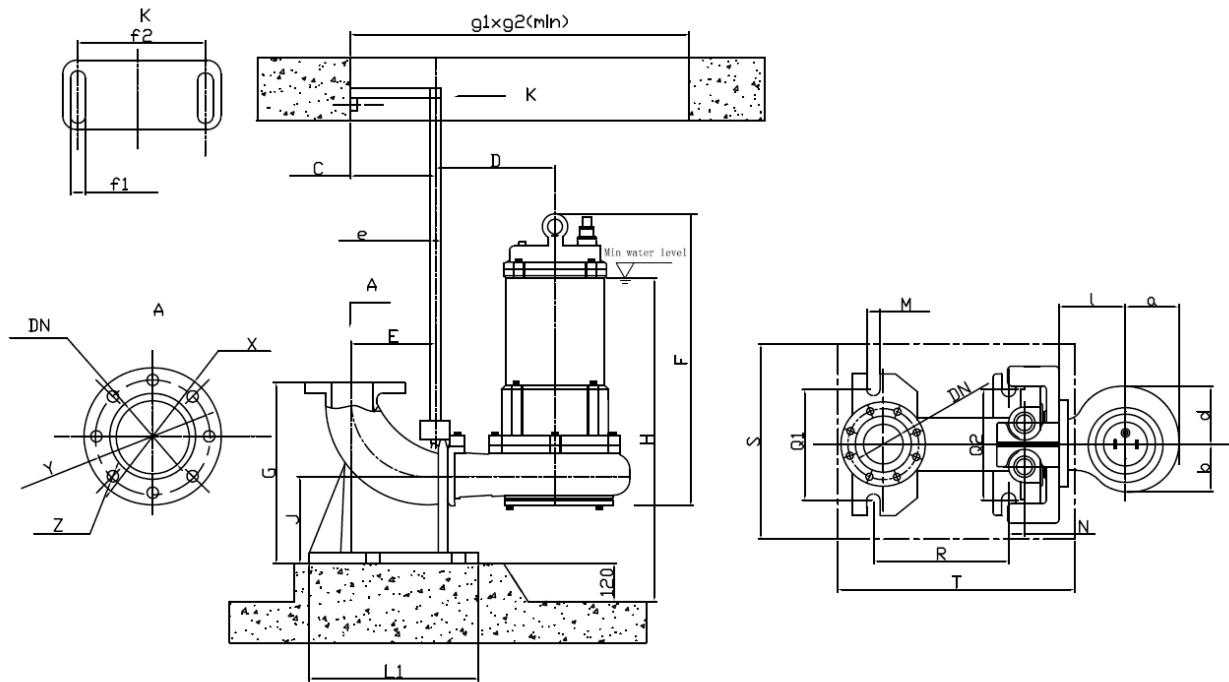
No.	Model	Capacity (m3/h)	Head (m)	Power (Kw)	Outlet (mm)	Phase	Weight (kg)	Pedestal
12	MP750-2H	30	30	7.5	50	3	165	80GAKII
13	MP750-2M	45	23					

INSTALLATION SYSTEM

Wet installation



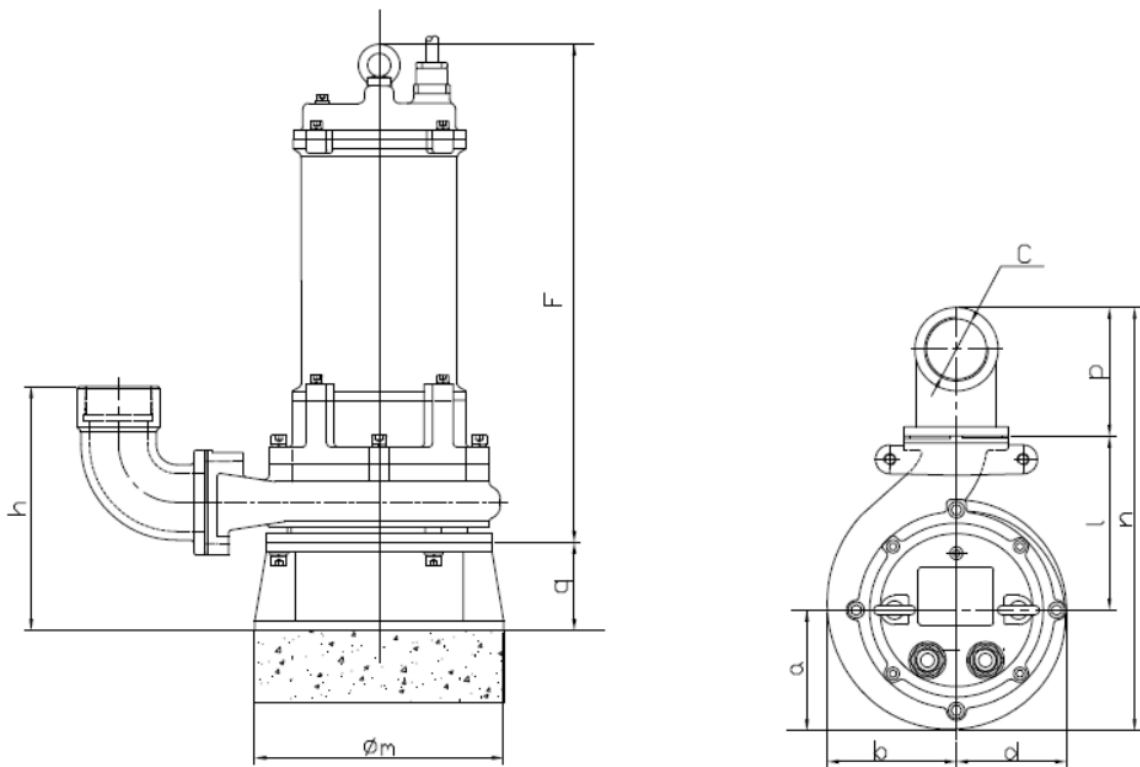
50GAK for below 3kw



50IIGAK for MP400-2H/M (A)
 80IIGAK for MP550-2H/M, MP750-2H/M

Type	DN	C	D	E	M	G	e	J	X
50GAK	Rc2"	83	170	75	12	170	Φ 19	100	-
50GAK-II	Rc2"	90	230	135	16	245	Φ 40	140	165
80GAK-II	Rc3"	78	270	185	18	245	Φ 40	125	195
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	230/190	800x700	135	125	4-Φ 18	450	550	18/160
80GAK-II	15	260/225	1100x800	205	160	8-Φ 18	450	550	18/160

Portable installation



No	MODEL	b	d	l	c	h	F	n	p	q	ϕ 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											
	MPS75-2(A)											
3	MP100-2	116	96	150	Rc2"	221	446	370	110	75	215	110
	MP150-2											
4	MPE100-2(A)	116	96	150	Rc2"	221	506	370	110	75	215	110
	MPS100-2											
	MPS100-2(A)											
	MP150-2 (A)											
	MPS150-2											
MPS150-2(A)												
5	MPE220-2	110	100	160	Rc2"	235	479	378	110	90	240	108
	MPE300-2											
6	MPE220-2(A)	110	100	160	Rc2"	235	524	378	110	90	240	108
	MPE300-2(A)											

7	MPE400-2	140	118	190	Rc2''	257	553	430	110	105	260	130
8	MPE400-2(A)	140	118	190	Rc2''	257	598	430	110	105	260	130
9	MPE550-2	155	155	240	Rc3''	418	742	430	135	215	260	130
	MPE750-2											