

GMV Series 2" Full-Passage Submersible Pump



Characteristics

- > Recess vortex impeller
- > GAS 2" discharge
- > 2" (50mm) solid free-passage
- > 2 poles - 1/2HP~2HP perfect performance
- > EKK-Burgmann silicon double mech. seal
- > Stainless steel motor housing

Application

- > For heavy-duty applications with soiled biological wastewaters, sewage, rainwater
- > For both domestic and professional use

Operating Limits

- > Maximum operating temperature : 40°C
- > Viscosity of treated fluid : 1mm²/s
- > Maximum immersion depth : 10m
- > Density of treated fluid : 1kg/dm³
- > Max starts per hour : 20



Thermal protector for 1 phase

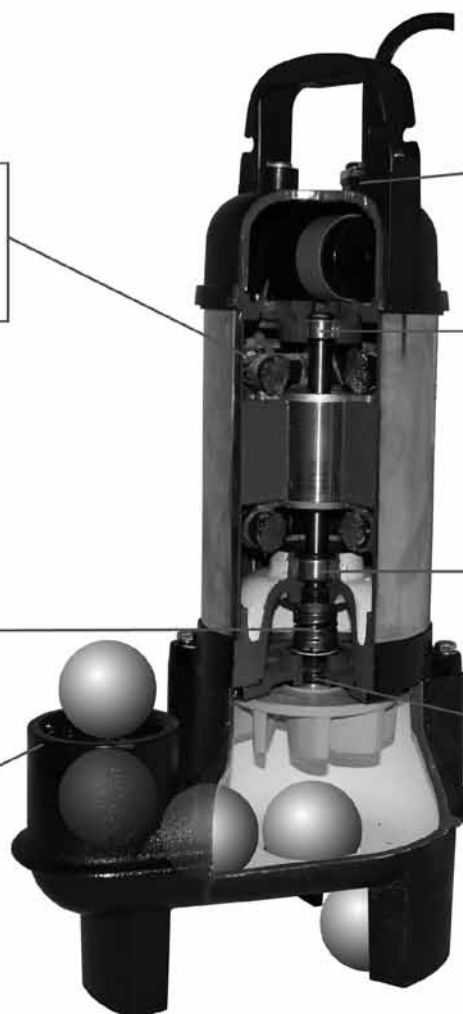


Overload protector for 3 phase



EKK-Burgmann silicon
Double mech. seal

Pump volute
2" solid free-passage



Cable gland sys
Water tight cable gland with
Epoxy Potting

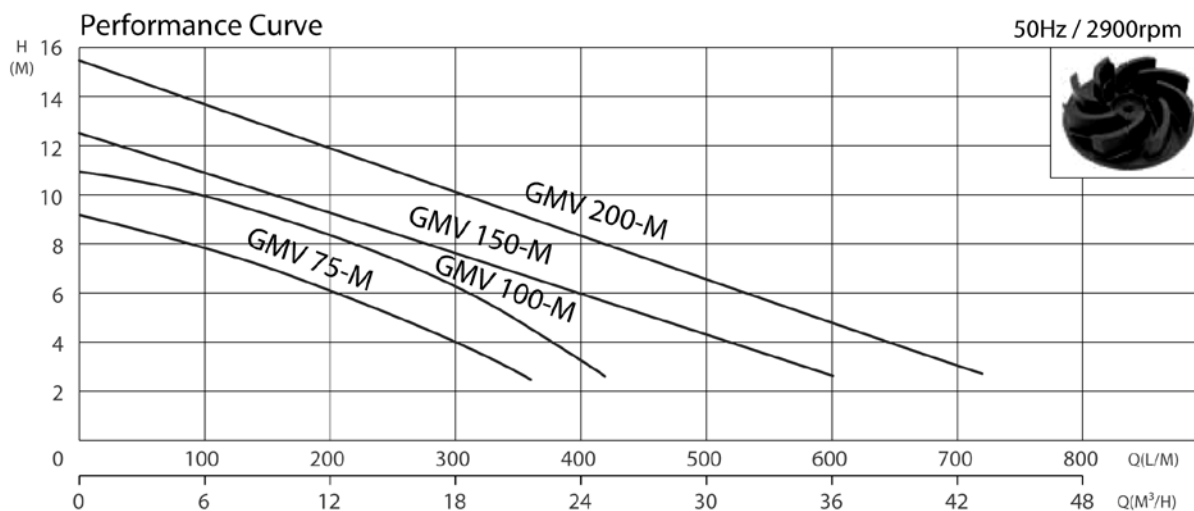


Long Life - Bearing (Japan NTN)



Oil Seal
Extra protection for the leakage

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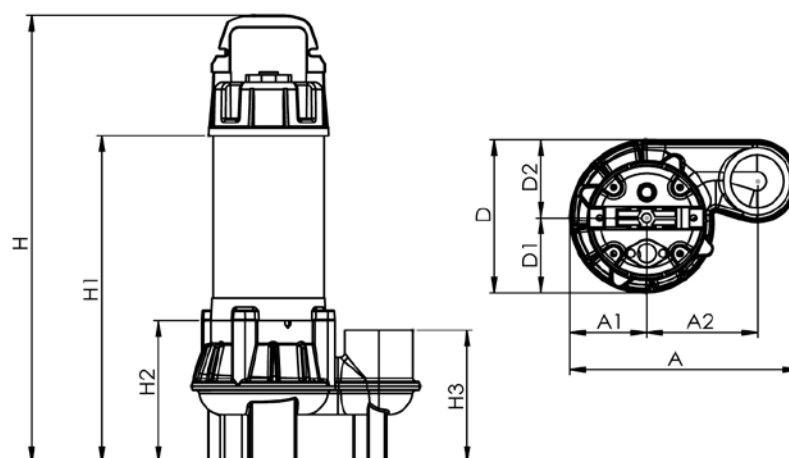
Performances															
Type	Q	L/S	0	1	2	3	4	5	6	7	8	9	10	11	12
	Q	L/M	0	60	120	180	240	300	360	420	480	540	600	660	720
	Q	M³/H	0	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4	36	39.6	43.2
GMV 75-M	H[m]		9.2	8.4	7.6	6.6	5.4	4.0	2.5						
GMV 100-M			11.0	10.4	9.6	8.8	7.6	6.2	4.4	2.5					
GMV 150-M			12.5	11.6	10.7	9.9	8.9	7.8	6.7	5.6	4.6	3.6	2.6		
GMV 200-M			15.5	14.5	13.5	12.4	11.3	10.2	9.1	7.9	6.9	5.8	4.8	3.7	2.7

Specifications										
Type	Output		Discharge	Voltage		Pole	Amp			Weight
	HP	kw	Inch	1 Phase	3 Phase		1 Phase 230V	3 Phase 380V	3 Phase 400V	Kg
GMV 75-M	0.75	0.55	2"	230	380/400	2	5.8	1.7	1.6	16
GMV 100-M	1	0.75	2"	230	380/400	2	6.5	2.3	2.2	17
GMV 150-M	1.5	1.1	2"	230	380/400	2	9	3.0	2.9	25
GMV 200-M	2	1.5	2"	230	380/400	2	12	3.5	3.4	26

* Equipped 10M H07RNF cable

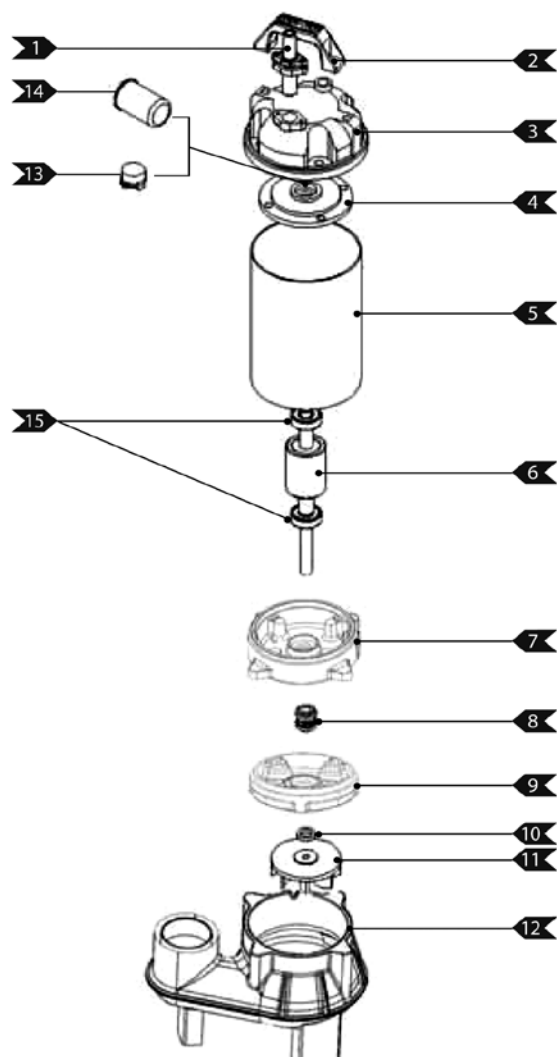
* Single phase can be equipped with float switch

Dimensions



Dimensions (mm)										
Type	A	A1	A2	D	D1	D2	H	H1	H2	H3
GMV 75-M	244	82	118	164	80	84	482	352	151	141
GMV 100-M	244	82	118	164	80	84	497	367	151	141
GMV 150-M	271	93	135	186	88	98	506	376	151	143
GMV 200-M	271	93	135	186	88	98	520	396	151	143

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Parts and Material List

No	Part	Material
1	Cable	H07RNF
2	Handle	Nylon 6
3	Motor Cover	0.5~1HP : Nylon 66 1.5~2HP : FC-200
4	Bracket	FC-200
5	Motor Housing	SUS-304
6	Rotor & Shaft	SUS-410
7	Oil Chamber	FC-200
8	Double Mech. Seal	CA/CE+SIC/SIC
9	Seal Housing	FC-200
10	Oil Seal	NBR
11	Impeller	FC-200
12	Pump Volute	FC-200
13	Protector	Klixon
14	Capacitor(Single Phase Only)	
15	Bearing	NTN

GMV Series 50 Hz Submersible Vortex Sewage Pump



GMV 50 Hz

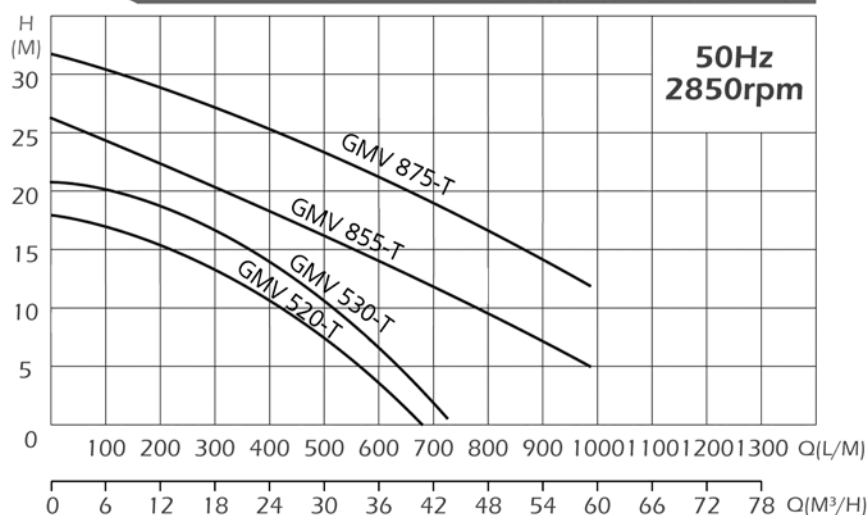
Feature

- > Vortex Impeller/Non-clogging
- > Minimized abrasive wear
- > Large impeller clearance
- > Maintenance free
- > Double Mech. Seal

Application

- > Medium concentration wastewater
- > Heavy duty

Performance Curve

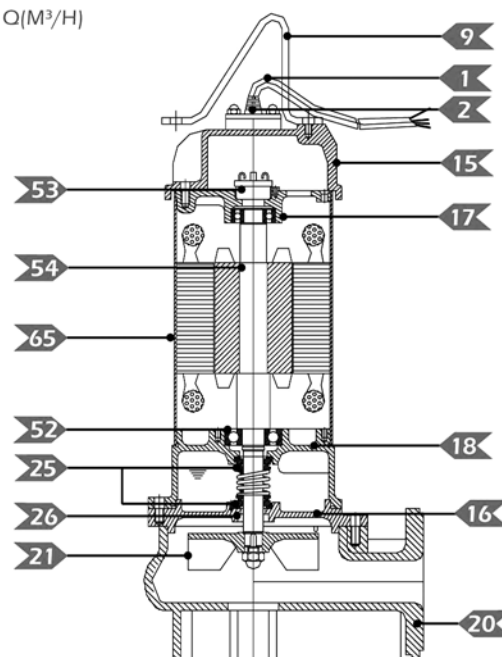


GMV Series Vortex Impeller



Parts and Material List

No	Part	Mtrl
1	Cable	H07
2	Cable Hood	NBR
9	Handle	Nylon 6/SS41
15	Motor Cover	Nylon 66/FC200
16	Seal Housing	FC 200
17	Bracket	FC 200
18	Oil Chamber	FC 200
20	Pump Casing	FC 200
21	Impeller	FC 200
25	Double Mech.Seal	Upper : CA / CE Lower : SIC / SIC
26	Oil Seal	NBR
52	Bearing	NTN
53	Protector	
54	Shaft	SUS 410
65	Motor Housing	SUS 304



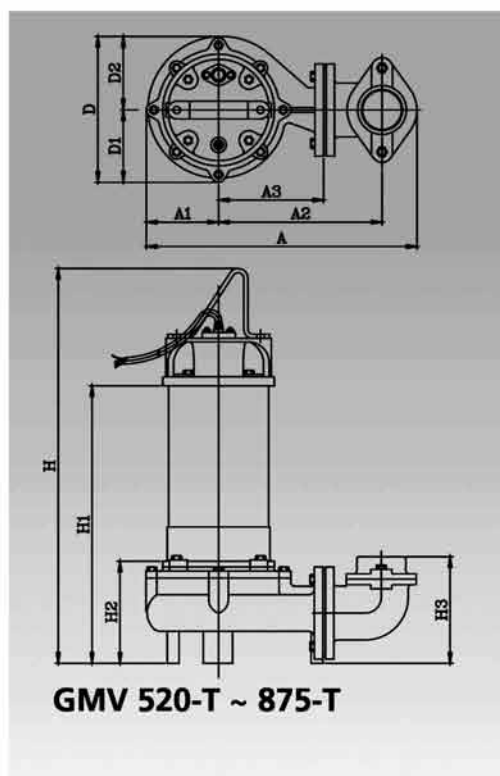
All technical information is subject to change without notice.

GMV Series Dimensions

Type	Output		Discharge	Phase	Rated		Cable	Weight
	HP	kw	Inch	Ø	Head M	Capacity LPM	M	Kg
GMV 520-T	2	1.5	2"(3")	1,3	10	400	5	33
GMV 530-T	3	2.2	2"(3")	3	11	500	5	34
GMV 855-T	5	3.7	3"(4")	3	15	550	10	56
GMV 875-T	7.5	5.5	3"(4")	3	20	650	10	62

GMV 520-T ~ 530-T : Elbow Type (2" or 3")

GMV 855-T ~ 875-T : Elbow Type (3" or 4")



Type	Dimensions (mm)										
	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3
GMV 520-T	390	103	235	151	210	105	105	532	400	150	152
GMV 530-T	390	103	235	151	210	105	105	552	420	150	152
GMV 855-T	470	110	257	170	218	98	120	633	468	160	206
GMV 875-T	470	110	257	170	218	98	120	673	508	160	206

>Note1 : Automatic models are available in single-phase versions.

>Note2 : Q.D.C.(Quick Discharge Connection) is applied in all models.