

گولڈن ڈائنامکس (پرائیویٹ) لمیٹڈ



NOWA

■ Submersible Sewage Pumps

GSS Series



POWERED by
HONDA



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GOLDEN DYNAMICS (PVT) LTD.

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GOLDEN DYNAMICS (PVT) LTD.

Performance Chart:

Model	Motor	Q - Capacity (m ³ /h - US gpm - lpm)																													
		0	1	2	3	4	5	6	9	11	12	15	17	18	23	24	28	30	34	36	40	42	45	48	51	57	60	62.5	68	72	
		0	4	9	13	18	22	26	40	48	53	66	75	79	101	106	123	132	150	159	176	185	198	211	225	251	264	275	299	317	
HP/kW	H - Total Head (m) @ 2900 RPM																														
GSS-R1/0.11	0.15 / 0.11	6.4	6.2	5.7	5.2	4.3	2.9	1.3																							
GSS-D2/0.55	0.75 / 0.55	10			9.1	8.9	8.6	8.4	8.1	7.6	7.2	6.4	5.3	4.9																	
GSS-D2H/0.55	0.75 / 0.55	9.9			9.7	9.5	9.3	9.1	8.4	8	7.5	5.8	4.6	3.8																	
GSS-D2/0.75	1 / 0.75	16			15.5	15.2	15	14.8	13.6	12.7	12.1	10	8.7	8																	
GSS-D4/1.5 (T)	2 / 1.5	9.6						9.5	9.5	9.5	9.4	9.35	9.34	9.3	9.25	9.2	9.1	8.9	8.7	8.5	8.3	8	7.8	7.5	7	6.5	6	5.5	4.75	4	

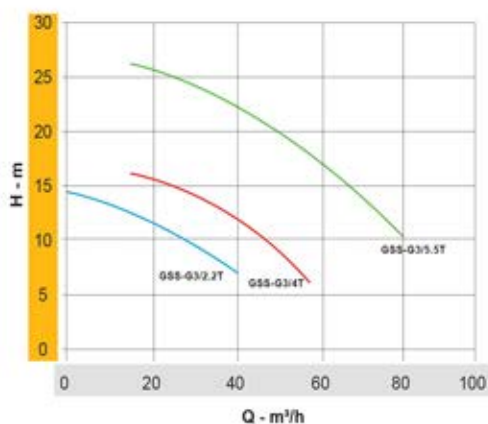
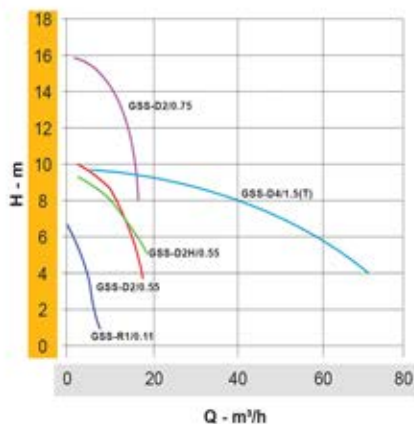
Model	Motor	Q - Capacity (m ³ /h - US gpm - lpm)																														
		0	11	12	15	17	18	23	24	28	30	34	36	40	42	45	48	51	57	60	62.5	68	72	74	79.5							
		0	48	53	66	75	79	101	106	123	132	150	159	176	185	198	211	225	251	264	275	299	317	326	350							
HP/kW	H - Total Head (m) @ 2900 RPM																															
GSS-G3/2.2T	3 / 2.2	14.3	12	11.7	11.2	10.8	10.6	10.2	10	9.5	9	8	7.8	7																		
GSS-G3/4T	5.5 / 4					16.4	16	15	14.8	14.2	13.7	12.9	12.6	11.8	11.3	10.5	9.5	8.5														
GSS-G3/5.5T	7.5 / 5.5					26	25.5	24.7	24.4	24	23.5	22.7	22.4	21.5	21	20.5	20	19.4	17.4	16.4	15.4	13	12.2	11	9.5							



Components:

Component / Model	R1/0.11	D2/0.55	D2H/0.55	D2/0.75	D4/1.5 (T)	G3/2.2T	G3/4T	G3/5.5T
Volute	Plastic	Cast Iron	Cast Iron	Cast Iron	Cast Aluminum	Cast Iron	Cast Iron	Cast Iron
Impeller	Plastic	S.S.-304	S.S.-304	S.S.-304	Cast Aluminum	S.S. / Cast Iron	S.S. / Cast Iron	S.S. / Cast Iron
Motor Body	Plastic	S.S.-304	S.S.-304	S.S.-304	Cast Aluminum	Cast Iron	Cast Iron	Cast Iron
Shaft	S.S.-316	S.S.-304	S.S.-304	S.S.-304	SS-304	SS-304	SS-304	SS-304
Nuts & Bolts etc.	S.S.-304	S.S.-304	S.S.-304	S.S.-304	SS-304	SS-304	SS-304	SS-304
O-Rings & Cable Joint	EPDM	EPDM	EPDM	EPDM	EPDM	EPDM	EPDM	EPDM

Performance Curves:





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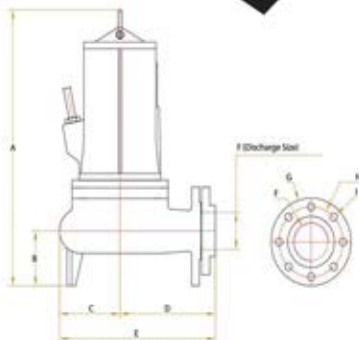
GSS Series

Function:

In this series of pumps, motor is close coupled to the pump and submerge into the well/tank. These types of pumps sit in the bottom of a septic tank from where the fluid needs to be drained. These pumps are capable of being submerged and will likely have to deal with some fluids at all times. In order to empty as much of the liquid and solids as possible out of the basin, the intake of the pump is located as close to the floor of the tank as possible. However, in order to avoid dry running of the pump, a float switch is installed in the tank along with the pump.

Installation:

Pump is installed vertically into the basin of the septic tank. However, in order to avoid dry running of pump, a float switch is installed in the tank along with the pump.



Application:

GSS-D Series: These pumps are used for water circulation, gardening, rockery, handling sewage, waste water, flood or rain water, liquid containing small solid particles, fibrous material, pulp, cellulose and industrial effluence. These pumps are also used in municipal and industrial waste water transport, sewage treatment plants, paper & board mills, chemical & sugar industries etc.

GSS-G Series: These pumps are used for handling sewage, waste water and sludge of different types, flood or rain water, viscous liquid, liquid containing solid particles, fibrous material, slurry, pulp, cellulose and industrial effluence. These pumps are also used in municipal and industrial waste water transport, sewage treatment plants, paper & board mills, chemical & sugar industries etc.

Pump Performance Data:

GSS-D Series:

Capacity (Q):	72 m ³ /h (max.)
Head (H):	15 m (max.)
Liquid:	Sewage, waste water & miscellaneous drain water
pH Value:	Range 5 ~ 9 (Chemically & Mechanically Non-Aggressive)
Fluid Temp:	up to +55°C (max.)
Immersion:	10 m (max.) below water surface
Performance Tolerance:	Curves established for density & viscosity equal to water and velocity ≥ 1 m/s
Electric Motor:	Air filled Submersible Type, IP-68, Insulation Class 'F', IEC34, + 5% 220 V / 380 V, 50 Hz, coupled as NEMA Standard.
Rotation:	2900 RPM, Clockwise Rotation (looking viewed from top of the motor)

Pump Performance Data:

GSS-G Series:

Capacity (Q):	79.5 m ³ /h (max.)
Head (H):	26 m (max.)
Liquid:	Sewage, waste water & miscellaneous drain water
pH Value:	Range 5 ~ 9 (Chemically & Mechanically Non-Aggressive)
Fluid Temp:	up to +55°C (max.)
Immersion:	20 m (max.) below water surface
Performance Tolerance:	ISO 2548 / C (curves established for density & viscosity equal to water and velocity ≥ 1 m/s)
Electric Motor:	Air filled Submersible Type, IP-68, Insulation Class 'F', IEC34, + 5% 220 V / 380 V, 50 Hz, coupled as NEMA Standard.
Rotation:	2900 RPM, Clockwise Rotation (looking viewed from top of the motor)

Dimension Table:

Model	DN _a	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (inch)	Weight (kg)
GSS-R1/0.11	1"	285	-	78	78	156	0.75"	4.65
GSS-D2/0.55	2"	415	-	92	108	200	2"	7.6
GSS-D2H/0.55	2"	420	-	85	157	242	2"	14.5
GSS-D2/0.75	2"	465	-	88	152	240	2"	19.1
GSS-D4/1.5	4"	467	-	95	188	283	4"	19.5
GSS-G3/2.2T	3"	630	125	150	240	390	3"	76
GSS-G3/4T	3"	630	125	150	240	390	3"	76
GSS-G3/5.5T	3"	630	125	150	240	390	3"	86