GSR

수중 폭기 장치
SUBMERSIBLE AERATOR



용도 및 적용 분야 / Usages and Applications

- 도시의 하수, 산업폐수, 분뇨 등의 폭기처리
- 호수, 저수지, 양어장 등의 폭기
- 아파트, 빌딩, 산업공장 오수 정화조 폭기

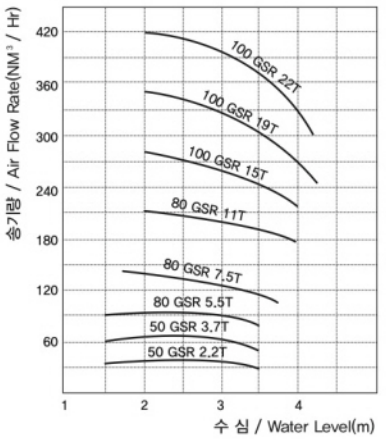
- For aeration treatment of city sewage, industrial wastewater and night soil
- For aeration in lake, reservoir and fish farm
- For sewage disposal tank aeration of filthy water in apartments, buildings and industrial plants

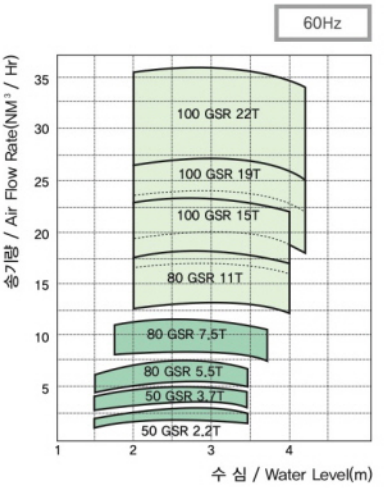
설계 및 구조적 특징 / Design and Operation Features

- 자흡식 공기 흡입으로 인한 효과적 산소 용해
- 강력한 교반 혼합, 미세한 기포 발생 효과를 극대화한 간결한 구조 설계
- 4극 유도 전동기 사용 및 Shaft 직결로 내구성 증대

- Effective oxygen dissolution by self-suction type air suction
- Powerful stirring & mixing and simply designed structure to maximize minute bubble generating effect
- Durability increased by quadrupolar induction motor and directly coupled shaft

선정도 / Selection Chart





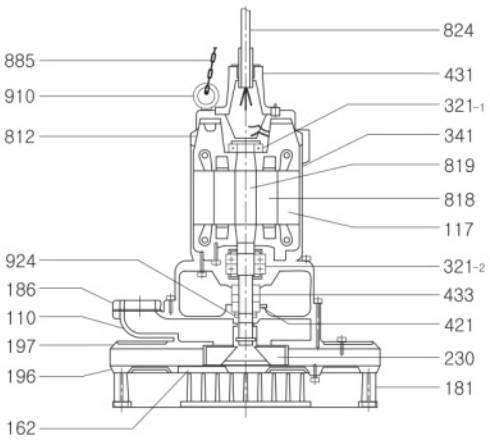
표준사양 / Standard Specification

형 식 (Model)	구 경 (Bore) [mm]	동 력 (Power) [kW]	유 량 (Capacity) [㎥/min]	송기량 (Air Flow Rate) [NM³/Hr]	산소공급능력 (Oxygen Supply Capacity) [Kg0²/Hr]	주대류 (Main Convection) [m]	부대류 (Sub Convection) [m]
GSR 2.2T	50	2.2	3	36	1.8~2.8	2.5	5.0
GSR 3.7T		3.7		60	3.5~5.0	3.0	6.0
GSR 5.5T	80	5.5		90	5.5~7.7	3.5	7.0
GSR 7.5T		7.5		125	8.2~11.3	4.5	9.0
GSR 11.0T		11		200	13.0~18.0	5.0	10.0
GSR 15.0T	100	15		260	17.0~23.0	5.5	11.0
GSR 19.0T		19		330	20.0~27.0	6.0	12.0
GSR 22.0T		22		400	24.0~36.0	6.0	12.0

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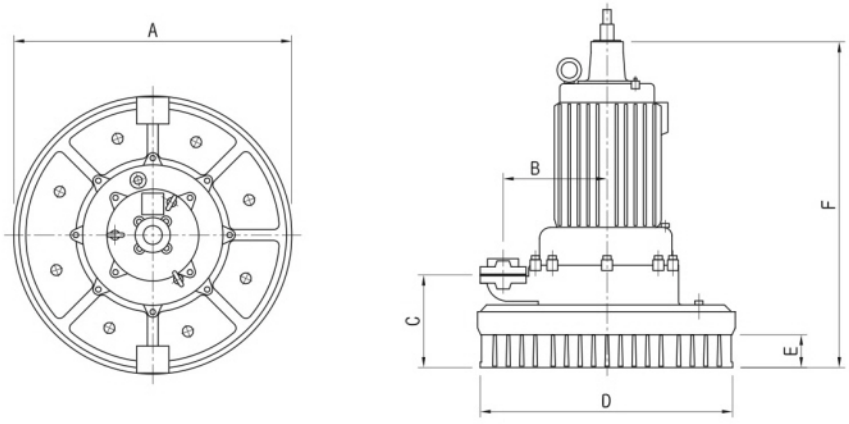
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외형 치수도 / Outline Drawing



품 번 (Part No.)	부품명 (Part Name)	표준재질 (Material)
110	Air Casing	GC200
117	Stator	–
162	Suction Cover	GC200
181	Pump Stool	GC200
186	Screwed Flange	GC200
196	Guide Vane	GC200
197	Guide Vane Cover	GC200
230	Impeller	SSC13
321–1	Bearing(Upper)	STB2
321–1	Bearing(Lower)	STB2
341	Motor Frame	GC200
421	Oil Seal	N,B,R
431	Stuffing Box	GC200
433	Mechanical Seal	SIC/CARBON
812	Motor Bracket	GC200
818	Rotor	–
819	Motor Shaft	STS410
824	Cap–type Cable	RNCT
885	Chain	SS400
910	Eye Bolt	SS400
924	Adjusting Nut	SS400

외형 치수도 / Outline Drawing



형 식 (Model)	A	B	C	D	E	F	중 량 (Weight) [Kg]
GSR 2.2T	705	270	165	680	70	695	190
GSR 3.7T	705	270	165	680	70	715	210
GSR 5.5T	705	270	165	680	70	808	245
GSR 7.5T	705	270	184	680	70	834	260
GSR 11.0T	705	270	184	680	70	937	311
GSR 15.0T	705	270	184	680	70	937	325
GSR 19.0T	1000	385	256	330	70	1158	600
GSR 22.0T	1000	385	256	330	70	1158	650

✳ FOOTNOTES : All dimensions given in millimeters / Dimension은 당사와 협의할 것.