

General Description

- The AN Series Submersible Wastewater Sump Pumps are lightweight and portable with strainers that block foreign matter.
- The AN Series can be complemented with a 90-degree Elbow Flange outlet or a Guide rail system (GRS) for easier and safer installation and maintenance.
- The AN-2.5M is an oil-filled motor with a single mechanical seal. The AN-2.5MR model is applicable for shallow areas and compatible with the Hose Kit for emergency dewatering.



Features



Epoxy Cable Base – An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.



Auto-cut Protector – Automatic On/Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.



High Efficiency Dry Motors – All stator coils are treated with insulating varnish procedures to achieve the best insulation, efficiency and durability.



Double Mechanical Seals – Superior abrasion resistant mechanical seal is manufactured with silicon carbide to ensure the best seal effect.



Vortex Impeller

Vortex impeller produces a vortex (whirlpool effect) allowing long brous materials and solid waste to pass through, without contact with the impeller.



Open Impeller

Open impeller is excellent to use for waste materials to prevent clogging.

Applications

- Residential sump drainage
- Water feature drainage and pumping
- Fishpond, basement, and cellar dewatering
- Garden irrigation

Accessories

- AN pumps can be installed with 90° Elbow Flange outlet or GRS guide rail system, to have easier/safer installation or removal during replacement and maintenance. The GRS does not support the vertical casing models.

Product Nomenclature

AN — 2 1.5 H
Type Discharge inch HP High Head

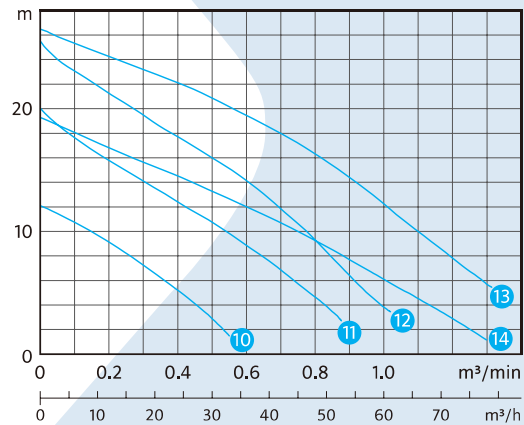
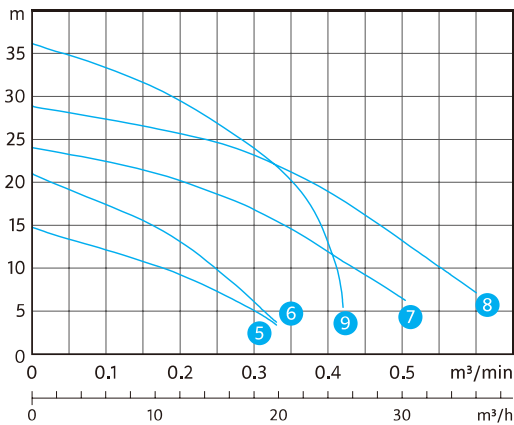
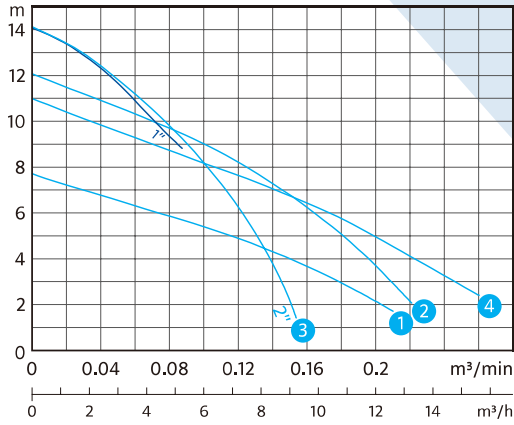
AN — 2 0.5 M R
Type Discharge inch HP Oil Motor Residual



Technical Details

SPEC	DESCRIPTION
Liquid Temp.	0~40°C (32~104°F)
Motor	2P (3000rpm) • Dry Motor • Oil Motor
Insulation	Class B • Class F
Protection	IP68
Protector	Thermal • Auto-cut
M.seal Type	Single M.seals • Double M.seals
Impeller Type	Vortex • Open
ITEM	MATERIAL
Upper Cover	FC200 / GG-20
Motor Frame	SUS304 / X5CrNi18-10
Shaft	SUS410 / X10Cr13 • SUS403 / X5Cr13
M.seal	CA/CE • CA/CE & SiC/SiC
Casing	FC200 / GG-20
Impeller	PA+G50 • FC200 / GG-20
Footing	FCD450 / GGG-45
Cable	VCT or H07RN-F

Performance Curves and Specs



Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard	MAX	Solid Passage mm	Casing Type	Weight kg	
					m-m³/min				1Ø	3Ø
1 AN-2.3	1/3(0.25)	2" (50)	1	Capacitor	4.5-0.14	7.5-0.21	7	V	13	-
2 AN-2.5M	0.5(0.4)	2" (50)	1	Capacitor	8-0.12	12-0.22	7	V	12.5	-
3 AN-2.5MR	0.5(0.4)	1" (25)	1	Capacitor	10-0.07	14-0.09	-	V	13	-
		2" (50)			8-0.1	14-0.15				
4 AN-2.5	0.5(0.4)	2" (50)	1	Capacitor	6.5-0.16	11-0.26	7	V	13.5	-
5 AN-21A	1(0.75)	2" (50)	1	Capacitor	10-0.17	14.5-0.33	7	V	15.5	15
			3	DOL						
6 AN-21.5H	1.5 (1.1)	2" (50)	1	Capacitor	14.5-0.17	21-0.33	7	V	19	17.5
			3	DOL						
7 AN-22	2 (1.5)	2" (50)	1	Capacitor	18.5-0.25	24-0.55	10.5	V	31	27
			3	DOL						
8 AN-23	3(2.2)	2" (50)	1	Capacitor	23-0.3	29-0.6	10.5	V	35	30
			3	DOL						
9 AN-23H	3(2.2)	2" (50)	1	Capacitor	26-0.25	36-0.42	10	V	36	32
			3	DOL						
10 AN-31	1(0.75)	3" (80)	1 3	Capacitor DOL	7-0.3	12-0.55	7	V	17	16
11 AN-32	2(1.5)	3" (80)	1	Capacitor	10.5-0.5	20-0.9	10.5	H	33	29
			3	DOL						
12 AN-33	3 (2.2)	3" (80)	1	Capacitor	15.5-0.5	25.5-1.05	10.5	H	37	32
			3	DOL						
13 AN-35	5(3.7)	3" (80)	3	DOL	19-0.6	26.5-1.4	20	H	-	35
14 AN-43	3 (2.2)	4" (100)	1	Capacitor	10.5-0.7	19.5-1.3	20	H	37	32
			3	DOL						

※ Excludes Cable & Elbow Weight.
 ※ Casing type : V stands for vertical and H for horizontal.