



AN

SUBMERSIBLE WASTEWATER
SUMP PUMPS

50Hz

make future flow

FEATURES

- 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.

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



SPECIFICATIONS

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
Cable	VCT or H07RN-F

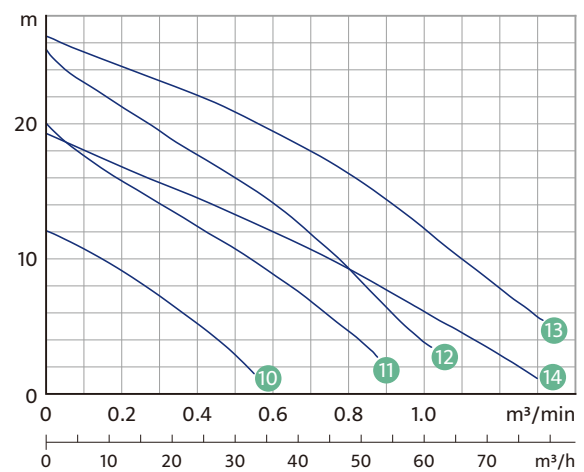
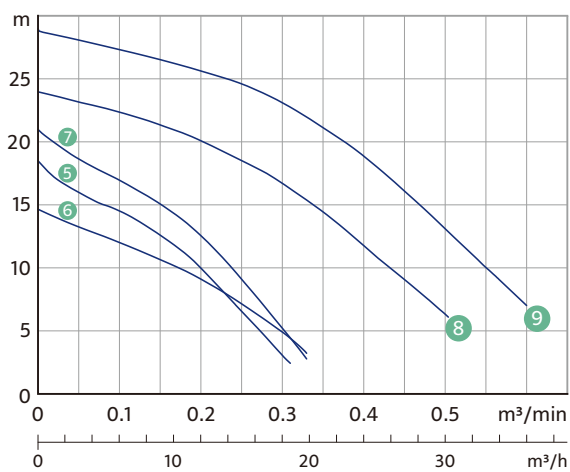
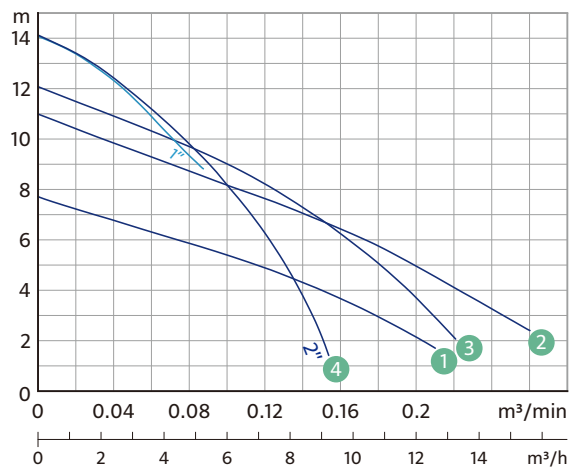
APPLICATIONS

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

ACCESSORIES : ELBOW / GRS-GUIDE RAIL SYSTEMS

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.

PERFORMANCE CURVES AND SPECS



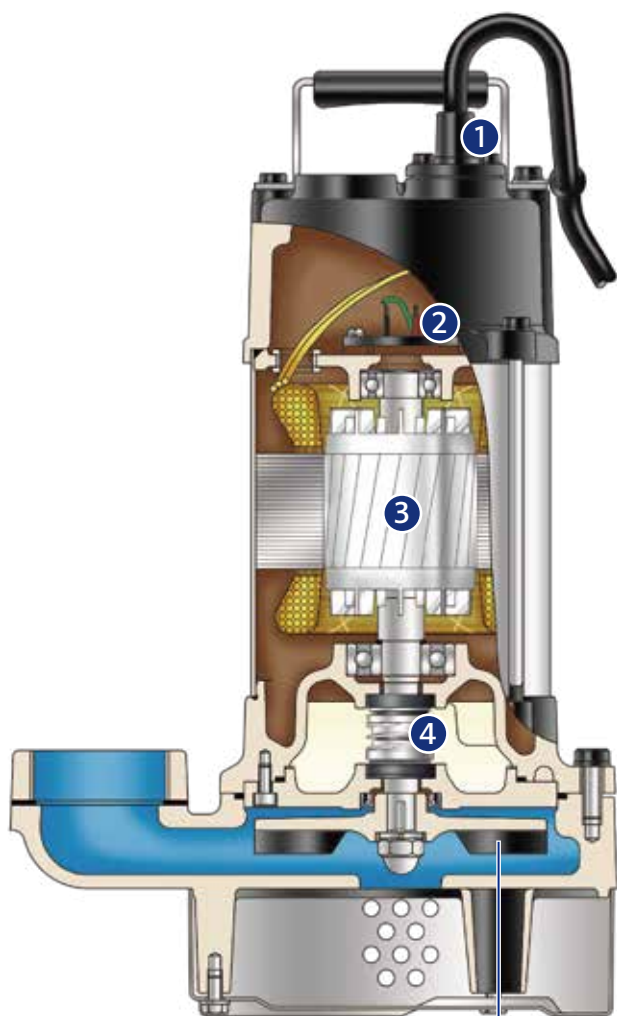
Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard	MAX	Solid Passage mm	Casing Type	Weight kg	
					m-m³/min				1Ø	3Ø
1 AN-2.3	½(0.25)	2" (50)	1	Capacitor	4.5-0.14	7.5-0.21	7	V	14	-
2 AN-2.5	0.5(0.4)	2" (50)	1	Capacitor	6.5-0.16	11-0.26	7	V	15	-
3 AN-2.5M	0.5(0.4)	2" (50)	1	Capacitor	8-0.12	12-0.22	7	V	12	-
4 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				
5 AN-21	1(0.75)	2" (50)	1	Capacitor	13.5-0.12	18.5-0.32	7	V	18	17
			3	DOL						
6 AN-21A	1(0.75)	2" (50)	1	Capacitor	10-0.17	14.5-0.33	7	V	16	15
			3	DOL						
7 AN-21.5H	1.5 (1.1)	2" (50)	1	Capacitor	14.5-0.17	21-0.33	7	V	19	18
			3	DOL						
8 AN-22	2 (1.5)	2" (50)	1	Capacitor	18.5-0.25	24-0.55	10.5	V	31	27
			3	DOL						
9 AN-23	3(2.2)	2" (50)	1	Capacitor	23.5-0.3	29.5-0.65	10.5	V	35	30
			3	DOL						
10 AN-31	1(0.75)	3" (80)	1	Capacitor	7-0.3	12-0.55	7	V	17	16
			3	DOL						
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	DOI						

※ Excludes Cable & Elbow Weight.

※ Casing type : V stands for vertical and H for horizontal.



PRODUCT FEATURES



1 Epoxy Cable Base

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



2 Auto-cut Protector

Automatic On / Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.



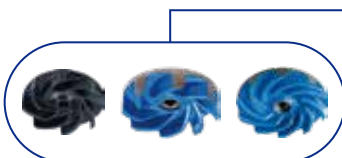
3 High Efficiency Dry Motors

All stator coils are treated with insulating varnish procedures to achieve the best insulation, efficiency and durability.



4 Double Mechanical Seals

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



Vortex Impeller



Open Impeller



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**Selection
system**



Catalog