

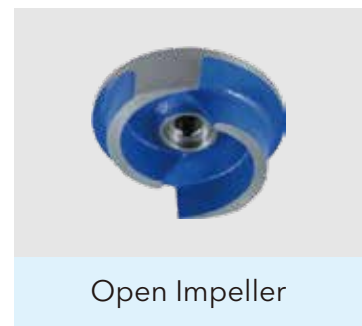
A/AN **60Hz** SERIES
SUBMERSIBLE WASTEWATER
SUMP PUMPS



AN

FEATURES

- A precision manufacture assembling lines, complimented with a synthetic production test to ensure each IP68 motor with highest level of final pump quality.
- Standard accessories include : cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals and oil seal design.
- Oil Elevation Disk design in the oil chamber to ensure the mechanical seals lubrication and to extend the service life of pump.
- Lightweight, portable and durable for wide range of uses.
- A-05A is a practical pump, with a low temperature, oil filled motor and single mechanical seal design (CA/CE).

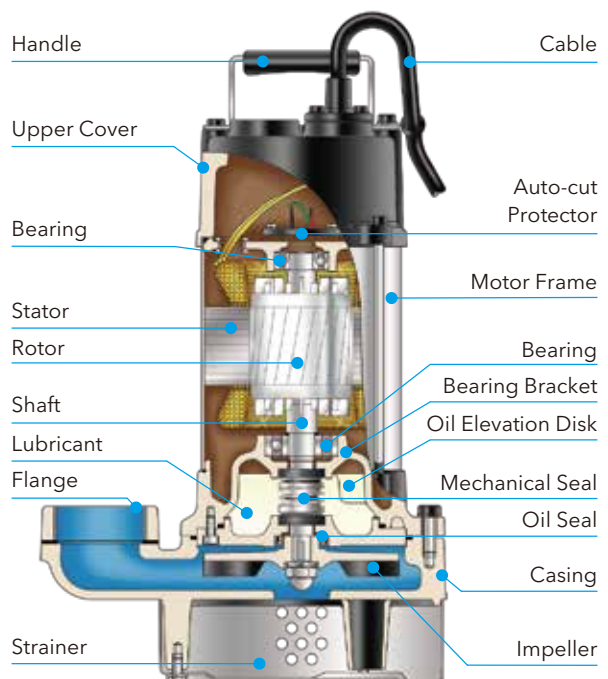


APPLICATIONS

- Sump drainage.
- Flood control.
- Water features.
- Dewatering fishpond, basement, cellars.

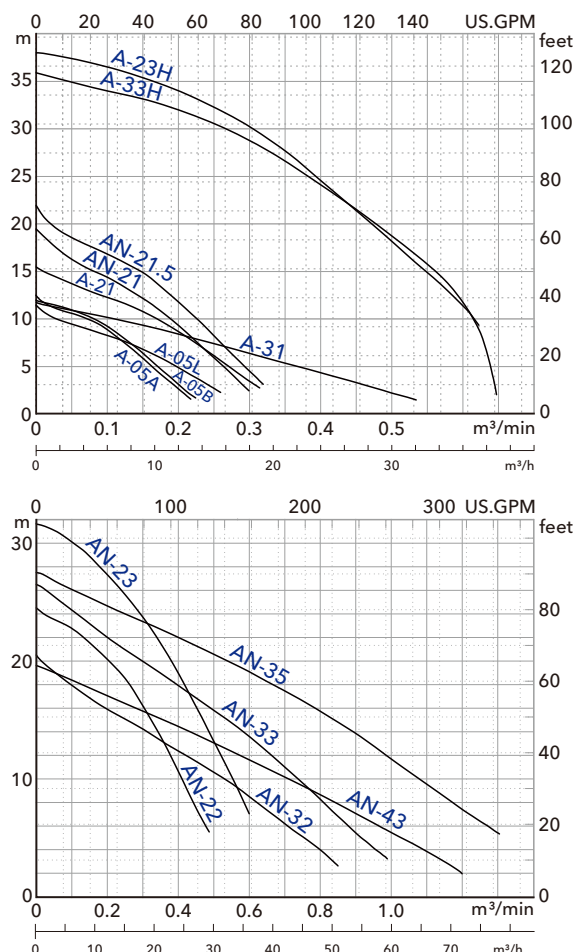
PRODUCT NOMENCLATURE

AN	—	2	1
Type		Discharge inch	HP





PERFORMANCE CURVES



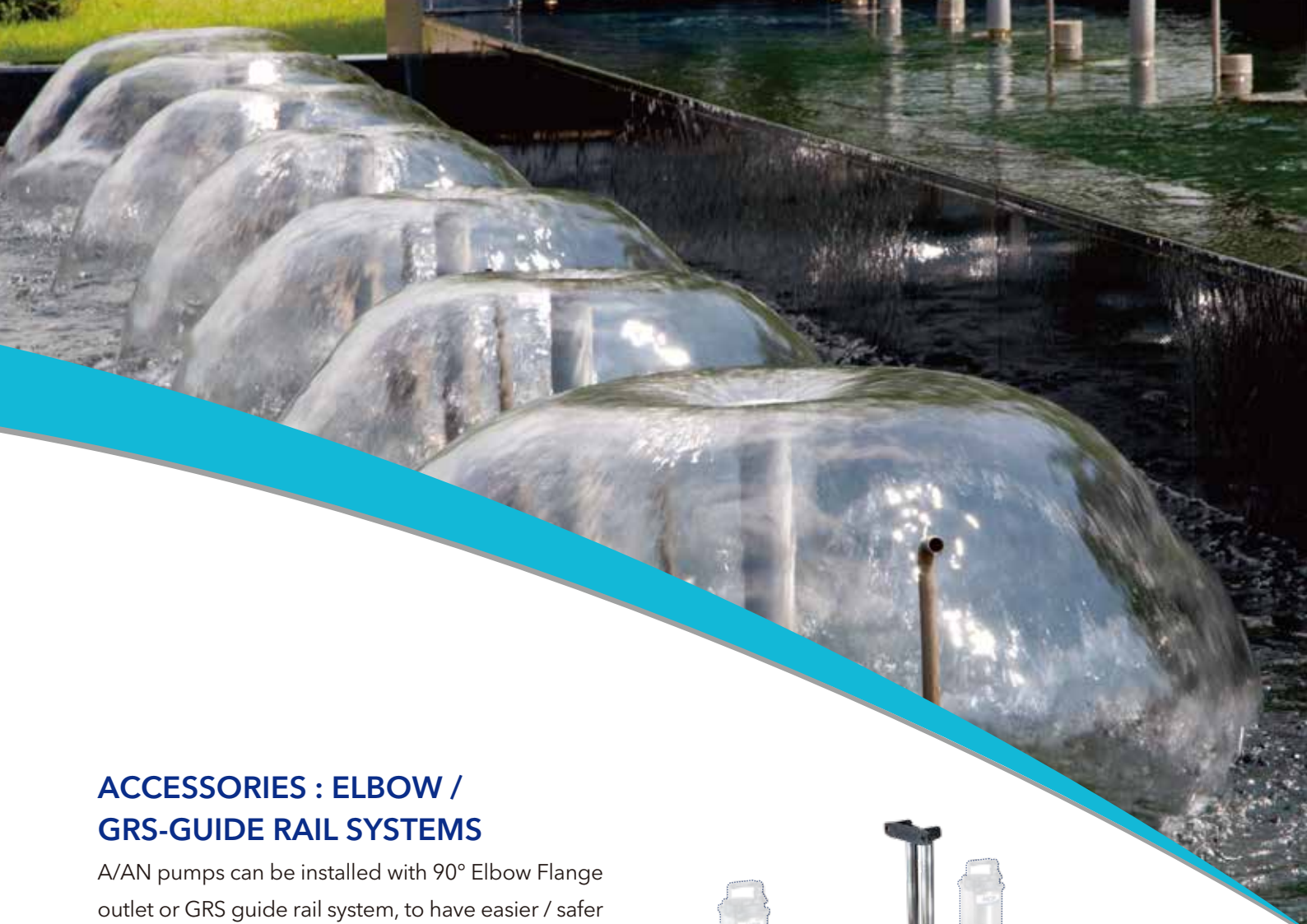
SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Clean / Dirty Water From Sumps • Basins and Tanks
Type	Frequency	60Hz
	Motor	2P(3600rpm)•Dry Motor (A-05A : Oil Motor)
	Insulation	Class B (0.5~1HP)•Class F (1.5~5HP)
	Protection	IP68
	Protector	Auto-cut (0.5HP 1Ø : Thermal)
	Bearing	Ball Type
	M.seal	Double M.seals (A-05A: Single M.seal)
Material	Impeller	Vortex•Open
	Upper Cover	FC200 / ASTM-30
	Motor Frame	SUS304 / AISI 304
	Shaft	SUS410 / ASTM 410 (0.5~1.5HP)• SUS403 / ASTM 403 (2~5HP)
	M.seal	CA/CE & SiC/SiC (A-05A : CA/CE)
	Casing	FC200 / ASTM-30
	Impeller	FC200 / ASTM-30 (A-05A / A-05B : PA)
Optional	Cable	VCT or SJOW/SOW
	Pumps can be customized to fit specifications Floating Switch (2P : 0.5~3HP)	

PERFORMANCE SPECS.

※ Note : Weight Without Cable & Elbow Set.
Casing type : V stands for Vertical and H for Horizontal.

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard		Solid Passage mm(inch)	Casing Type	Weight kg(lb)	
					m-m³/min	ft-GPM			1Ø	3Ø
A-05A	0.5 (0.4)	2" (50)	1	Capacitor	8-0.12	26-32	7.5 (1/4")	V	12(26)	-
A-05B	0.5 (0.4)	2" (50)	1 3	Capacitor DOL	8-0.12	26.2-32	7.5 (1/4")	V	13(29)	12(26)
A-05L	0.5 (0.4)	2" (50)	1 3	Capacitor DOL	6.5-0.15	21.3-40	10 (3/8")	V	16(35)	14(31)
A-21	1 (0.75)	2" (50)	1 3	Capacitor DOL	10-0.17	32.8-45	10 (3/8")	V	17(37)	15(33)
A-31	1 (0.75)	3" (80)	1 3	Capacitor DOL	6-0.3	19.7-80	10 (3/8")	V	18(40)	17(37)
AN-21	1 (0.75)	2" (50)	1 3	Capacitor DOL	13.5-0.12	44.3-32	7 (1/4")	V	18(40)	17(37)
AN-21.5	1.5 (1.1)	2" (50)	1 3	Capacitor DOL	14.5-0.16	47.6-42	7 (1/4")	V	20(44)	18(40)
AN-22	2 (1.5)	2" (50)	1 3	Capacitor DOL	18-0.25	59.1-66	10.5 (3/8")	V	31(68)	27(60)
AN-32	2 (1.5)	3" (80)	1 3	Capacitor DOL	10.5-0.5	34.5-132	10.5 (3/8")	H	33(73)	29(64)
AN-23	3 (2.2)	2" (50)	1 3	Capacitor DOL	23-0.3	75.5-80	10.5 (3/8")	V	35(77)	30(66)
AN-33	3 (2.2)	3" (80)	1 3	Capacitor DOL	15.5-0.5	50.9-132	10.5 (3/8")	H	37(82)	32(71)
AN-43	3 (2.2)	4" (100)	1 3	Capacitor DOL	11-0.7	36.1-185	20 (3/4")	H	37(82)	32(71)
AN-35	5 (3.7)	3" (80)	3	DOL	18.5-0.6	60.7-158	20 (3/4")	H	-	35(77)
A-23H	4 (3)	2" (50)	1	Capacitor	34-0.2	111.6-52	10.5 (3/8")	V	40(88)	-
A-33H	4 (3)	3" (80)	1	Capacitor	23-0.4	75.5-106	10.5 (3/8")	H	41(90)	-



ACCESSORIES : ELBOW / GRS-GUIDE RAIL SYSTEMS

A/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.



ELBOW



GRS

PRODUCT FEATURES



Epoxy Cable Base

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



Double Mechanical Seals

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



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 vanish procedures to achieve the best insulation, efficiency and durability.



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