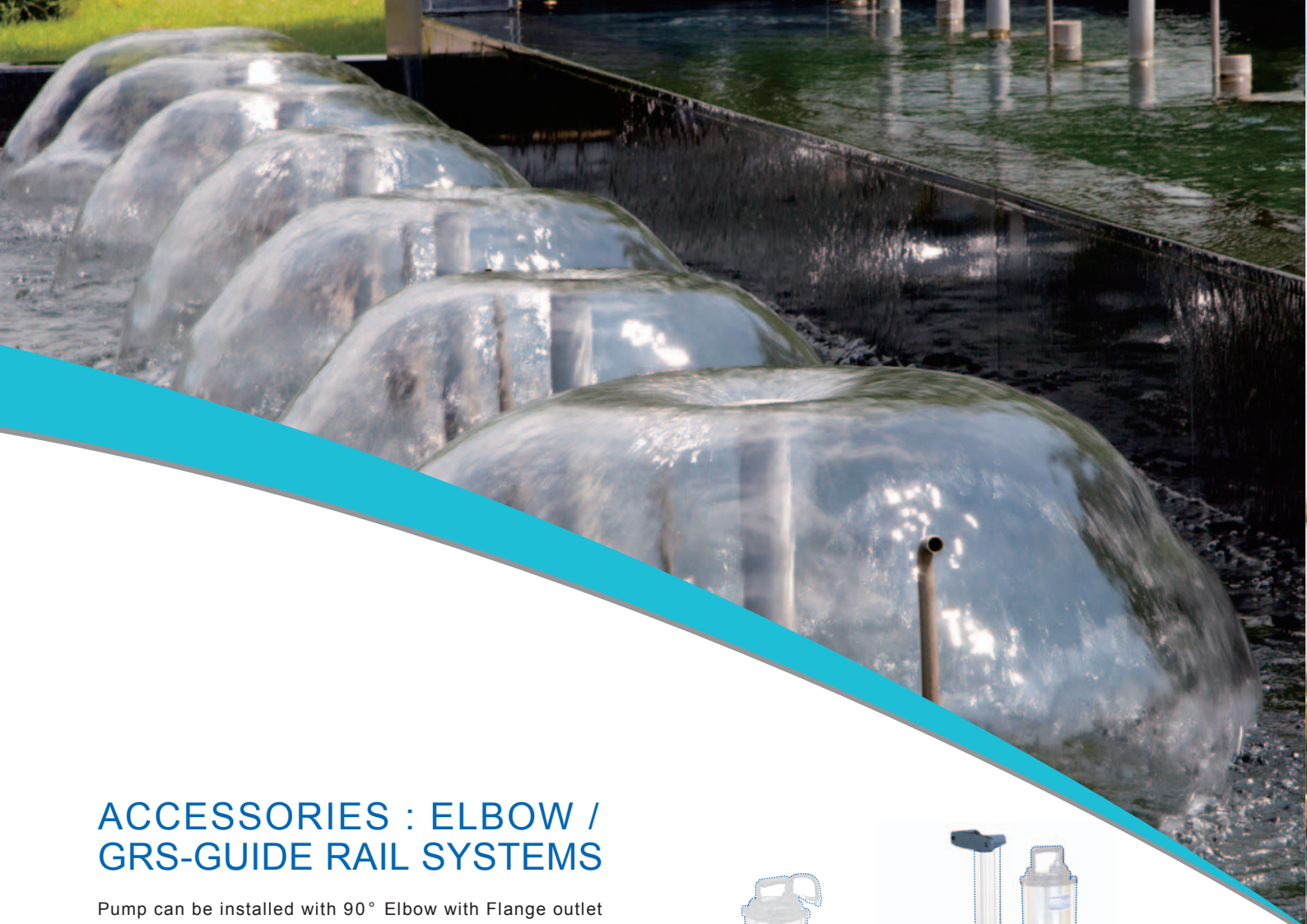




ACCESSORIES : ELBOW / GRS-GUIDE RAIL SYSTEMS

Pump can be installed with 90° Elbow with Flange outlet or GRS quick coupling system, for quick and safer for installation, removal, replacement and maintenance purpose.



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 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 need to be treated with insulating varnish procedure to achieving the best insulation, efficiency and durability.



Professionalism • Innovation • Service • Commitment

HCP PUMP MANUFACTURER CO., LTD.
www.hcppump.com.tw



Distributor:

DANEN5-1608

We reserve the right to alter specifications of product at any time without giving prior notice.



A / AN ^{50Hz} SERIES

SUBMERSIBLE WASTEWATER SUMP PUMPS



AN

FEATURES

- A precision manufactured motor is achieved by utilizing the highest standard of quality control. All rotors adopt heat treatment methods for drive shaft assembling, and stator winding impregnated with varnish that is heat dried in an industrial oven. The Water Resistance for Pump can reach IP68 Grade.
- HCP's professional assembly line, complimented with a synthesized production test, ensures the highest level of pump quality.
- Standard accessories include : cable with an epoxy resin sealed water-resistant cable base, Auto-cut Protector, dual mechanical seals and lip seal design.
- The A-05A is an extremely practical pump, with a low temperature, oil filled motor and single seal design (CA/CE).

Semi-open (Vortex Impeller)

Produces a vortex (whirlpool effect) allowing long fibrous materials and other solid waste to pass through, without contact with the impeller.

Semi-open

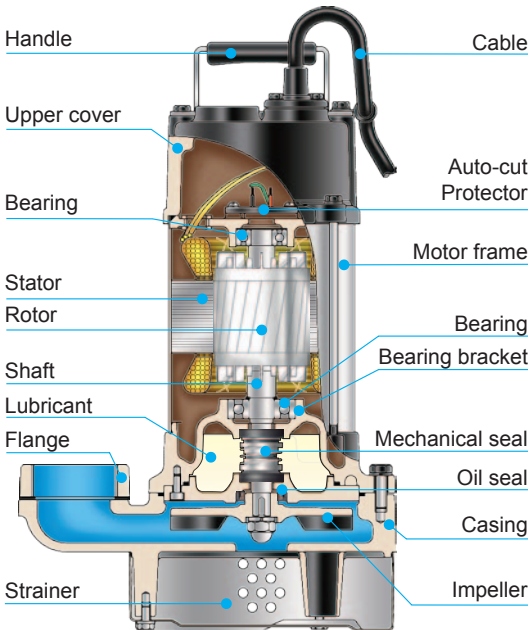
Excellent to use with waste materials to prevent from clogging.

APPLICATIONS

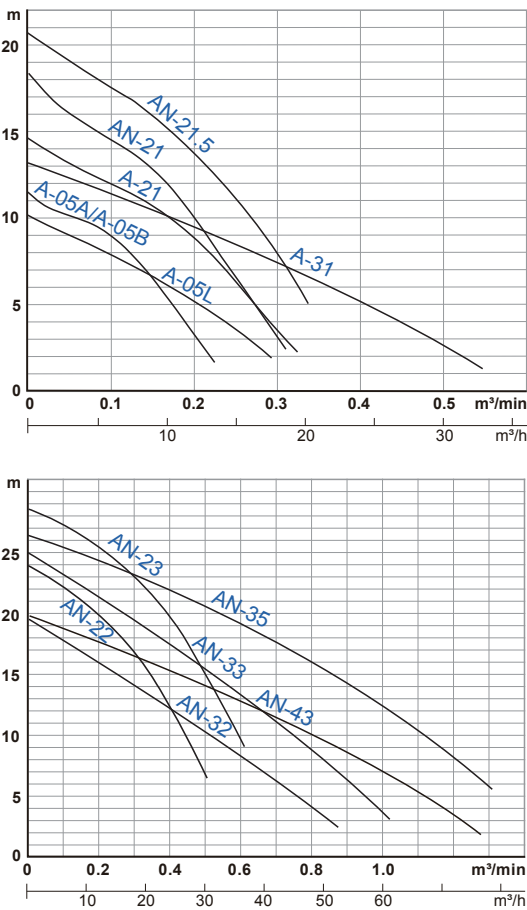
- waste water.
- Sump Drainage.
- Flood control.
- Dewatering for fish pond or basement and cellars.

PRODUCT NOMENCLATURE

A/ AN	—	2	1
Type		Discharge inch	HP



PERFORMANCE CURVES



SPECIFICATIONS

Item		Description
Limits Of Use	Liquid Temp.	0~40°C
	Applications	Wastewater Sewage and Drainage waster
Type	Frequency	50Hz
	Motor	2P(3000rpm) • Dry Motor (A-05A: Oil Motor)
	Insulation	Class B
	Protection	IP68
	Protector	Auto-cut Protector (A-05A/05B/05L 10 Thermal)
	Bearing	Ball Type
	M.seal	Double M.seals (A-05A:Single M.seal)
Material	Impeller	Semi-open
	Upper Cover	FC200
	Motor Frame	SUS304
	Shaft	SUS410 (0.5~1.5HP) • SUS403 (2~5HP)
	M.seal	Upper : Carbon/ceramic Lower : Silicon/Silicon (A-05A: Carbon/Ceramic)
	Casing	FC200
	Impeller	FC200(A-05A/05B : PA)
Optional	Cable	VCT or H07RN-F or SJOW/SOW
	Pumps can be customized to fit specifications	

PERFORMANCE SPECS.

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head m	Standard		Solid Passage mm	Weight kg		Dimensions mm					
						m³/min	m³/h		1Ø	3Ø	A	B	C	1Ø	3Ø	D
A-05A	0.5 (0.4)	2" (50)	1	Capacitor	8	0.1	6	7.5	12	-	225	-	161	349	-	
A-05B	0.5 (0.4)	2" (50)	1	Capacitor	8	0.1	6	7.5	13	12	225	-	161	371	371	
A-05L	0.5 (0.4)	2" (50)	1	Capacitor	7	0.15	9	10	16	14	245	-	173	428	428	
A-21	1 (0.75)	2" (50)	1	Capacitor	10	0.18	10.8	10	17	15	245	-	173	428	428	
A-31	1 (0.75)	3" (80)	1	Capacitor	6.5	0.3	18	10	18	17	278	-	173	456	456	
AN-21	1 (0.75)	2" (50)	1	Capacitor	13.5	0.12	7.2	7	18	17	262	-	187	408	408	
AN-21.5	1.5 (1.1)	2" (50)	1	Capacitor	15	0.16	9.6	7	20	18	262	-	187	428	408	
AN-22	2 (1.5)	2" (50)	1	Capacitor	18.5	0.25	15	10.5	31	27	282	-	207	580	499	
AN-32	2 (1.5)	3" (80)	1	Capacitor	10.5	0.5	30	10.5	33	29	391	249	208	591	510	
AN-23	3 (2.2)	2" (50)	1	Capacitor	23.5	0.3	18	10.5	35	29	282	-	207	592	499	
AN-33	3 (2.2)	3" (80)	1	Capacitor	15.5	0.5	30	10.5	37	32	391	249	208	603	510	
AN-43	3 (2.2)	4" (100)	1	Capacitor	11.5	0.7	42	20	37	32	389	248	207	601	520	
AN-35	5 (3.7)	3" (80)	3	Direct	19	0.6	36	20	-	35	440	248	207	-	540	

