



ACCESSORIES : ELBOW / GRS-GUIDE RAIL SYSTEMS

Pump can be installed with 90 ° elbow , flange or guide rail system, for quick and safe installation, removal, replacement and maintenance.



ELBOW

GRS

PRODUCT FEATURES



Epoxy Cable Base

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



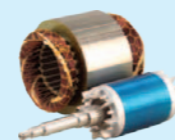
Double Mechanical Seals

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



Auto-cut Protector

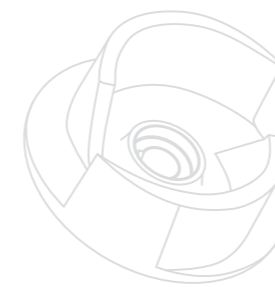
Automatic On/Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.



High Efficiency Dry Motors

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

※Refer to product catalogue for features of specific pump model.



Professionalism • Innovation • Service • Commitment

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



Distributor:

DALEN0-1611

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



AL 50Hz & 60Hz SERIES

SUBMERSIBLE WASTEWATER / EFFLUENT PUMPS



50AL21.5
50AL22.2

80AL21.5
80AL22.2
80AL23.7A

80(100)AL25.5
80(100)AL27.5
80(100)AL211

AL

FEATURES

- Pump body is made of casting iron which make pump firm, and reliable.
- The thickness of High Solids Epoxy Coating can be greater than 100 μm. This heavy coating provides good resistance to salty sea water, industry wastewater and chemical fluid. The coating can be firmly attached to metals, such as iron and steel, and form an anti-corrosion layer on metal surface for preventing corrosion.
- HCP-designed high head and high efficient impeller which is particularly suitable for high-rise building and deep basement.
- Fully equipped including, epoxy resin sealed water-tight cable base, auto-cut motor protector and double set mechanical seal, All components are produced with strict quality control.

SPECIFICATIONS

Item	Description
Limits Of Use	Liquid Temp. 0~40°C (32~104°F)
	Applications Wastewater Sewage and Drainage water
Type	Frequency 50/60Hz
	Motor 2P (50Hz 3000rpm · 60Hz 3600rpm) · Dry Motor
	Insulation Class B (2~3HP) · Class F (5~15HP)
	Protection IP68
	Protector Auot-cut · MTS/MS(15HP)
	Bearing Ball Type
	M.seal Double M.seals
	Impeller Semi-open
Material	Upper Cover FC200
	Motor Frame FC200
	Shaft SUS403 (2~10HP) · SUS420J2 (15HP)
	M.seal Upper : Carbon/ceramic Lower : Silicon/Silicon
	Casing FC200
	Impeller FC200
	Cable VCT or H07RN-F or SJOW/SOW
Optional	Pumps can be customized to fit specifications

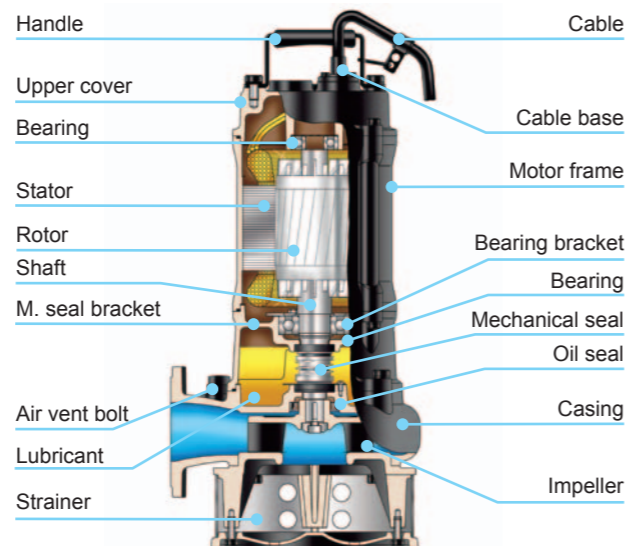
APPLICATIONS

- Household usage and Industry wastewater.
- Rainwater harvesting and rain drainage.
- Agriculture irrigation.
- Landscape.
- Water supply for aquaculture farming.

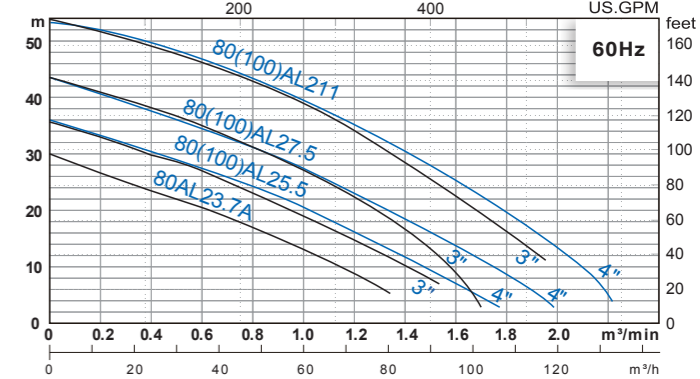
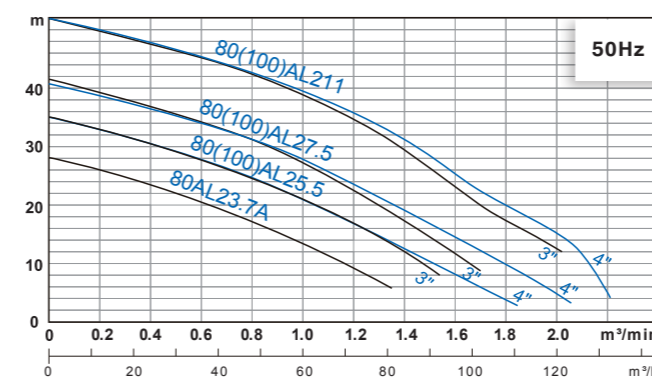
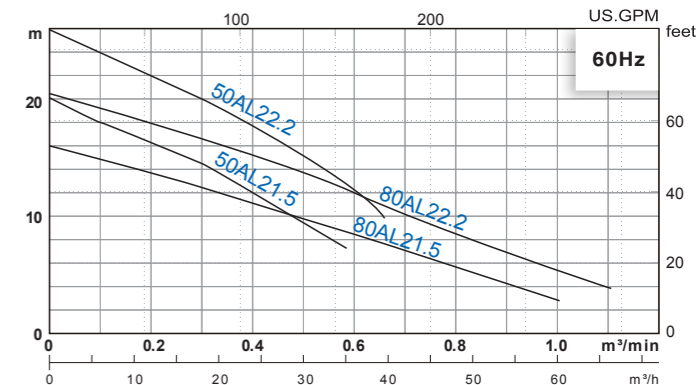
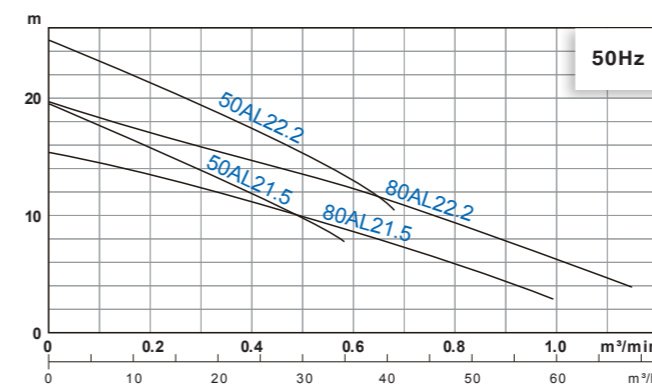
PRODUCT NOMENCLATURE

80 / Discharge mm
AL / Type
2 / Pole
1.5 / kW

IMPELLER



PERFORMANCE CURVES



PERFORMANCE SPECS.

※ Note: Weight Without Cable & Elbow Set
Star Method: S-D= Star-Delta

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head m	Standard		Solid Passage mm	Weight kg		Dimension mm				
						m³/min	m³/h		1Ø	3Ø	A	B	C	1Ø	D
50AL21.5	2(1.5)	2"(50)	1	Capacitor	12	0.4	24	20	35	31	278	-	212	565	514
50AL22.2	3(2.2)	2"(50)	3	Capacitor	17.5	0.4	24	20	38	34	278	-	212	598	514
80AL21.5	2(1.5)	3"(80)	1	Capacitor	8.5	0.6	36	20	37	32	391	249	214	575	520
80AL22.2	3(2.2)	3"(80)	1	Capacitor	12.5	0.6	36	20	39	35	391	249	214	602	520
80AL23.7A	5(3.7)	3"(80)	3	Direct	20.5	0.6	36	20	-	49	470	278	242	-	578
80(100)AL25.5	7.5(5.5)	3"(80) 4"(100)	3	Direct	28 21.5	0.6 1.0	36 60	20	-	75	534 565	342	290	-	689
80(100)AL27.5	10(7.5)	3"(80) 4"(100)	3	Direct	34.5 27	0.6 1.0	36 60	20	-	81	534 565	342	290	-	689
80(100)AL211	15(11)	3"(80) 4"(100)	3	S-D	45 39.5	0.6 1.0	36 60	20	-	91	534 565	342	290	-	729

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard		Solid Passage mm(inch)	Weight kg(lb)		Dimension mm				
					m-m³/min	ft-GPM		1Ø	3Ø	A	B	C	1Ø	D
50AL21.5	2(1.5)	2"(50)	1	Capacitor	12-0.4	39-105	20(3/4")	35(77)	31(68)	278	-	212	565	514
50AL22.2	3(2.2)	2"(50)	3	Capacitor	17.5-0.4	57-105	20(3/4")	38(84)	34(75)	278	-	212	598	514
80AL21.5	2(1.5)	3"(80)	1	Capacitor	8-0.6	26-158	20(3/4")	37(82)	32(71)	391	249	214	575	520
80AL22.2	3(2.2)	3"(80)	1	Capacitor	12-0.6	39-158	20(3/4")	39(86)	35(77)	391	249	214	602	520
80AL23.7A	5(3.7)	3"(80)	3	Direct	20.5-0.6	67-158	20(3/4")	-	49(108)	470	278	242	-	578
80(100)AL25.5	7.5(5.5)	3"(80) 4"(100)	3	Direct	26.5-0.6 20-1.0	87-158 66-265	20(3/4")	-	74(163)	534 565	342	290	-	689
80(100)AL27.5	10(7.5)	3"(80) 4"(100)	3	Direct	34.5-0.6 27-1.0	113-160 89-265	20(3/4")	-	80(176)	534 565	342	290	-	689
80(100)AL211	15(11)	3"(80) 4"(100)	3	S-D/Direct	46-0.6 39.5-1.0	151-158 130-265	20(3/4")	-	90(198)	534 565	342	290	-	729

