



PRODUCT FEATURES



Food Grade Lubricant Oil

A Food Grade Lubricant is filled in mechanical seal chamber. The Lubricant meets standards, such as FDA, REACH and so on. This lubricant is toxicant free, eco-friendly, and low impact on agriculture & aquaculture farming.



Epoxy Cable Base

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



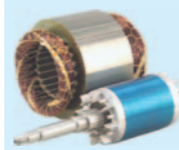
Single Mechanical Seal

Single Mechanical Seal is made of Carbon/Ceramic which is suitable for water where no solid is suspended. The Mechanical Seal is equipped with single spring coiled design for more flexibility to accommodate misalignments, shaft deflection and break away shock loading.



Motor Thermal Protector

Motor Thermal Protector is a bimetal type motor protector. The protector will trip when motor is overheated or pump run in abnormal electric current or temperature.



High Efficient Dry Motor

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:

DPOEN0-1703



POND

50Hz & 60Hz
SERIES

SUBMERSIBLE SUMP PUMPS

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



POND-100A/150A



POND-S250



POND-F



POND-FV

POND

FEATURES

- POND-A has an Electrophoretic Deposition (EPD) coating on an aluminum motor frame, Which can prevent early corrosion and extend the product life.
 - POND-S has a stainless steel frame, which can be used in fresh water, fish pond, and water circulation.
 - Strong structure design. Equipped with a high efficiency motor, vortex impeller, epoxy cable assembly, mechanical seal, oil seal, and Motor Thermal Protector. Pump body is made of anti-UV plastic which is more durable than regular plastic.
 - Outlet discharge for POND-A is available with 15mm (1/2"), 20mm (3/4"), 25mm (1"). POND-S can be equipped with outlet discharge of 32mm (1 1/4") and 40mm (1 1/2").
 - Optional accessories : standard float switch (F) or vertical float switch (FV) for confined spaces.
- ⚠ Caution : For Intermittent Use Only, 8 hours per day rating, approximately 3000 hours on wear parts.
- ⚠ Warning : Prohibited to use liquid containing sediment and Chemicals.

MOTOR FRAME

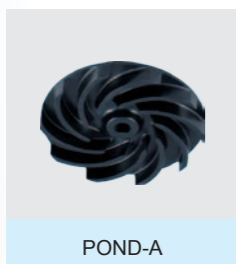


POND-A
ADC12(EPD-Coating)

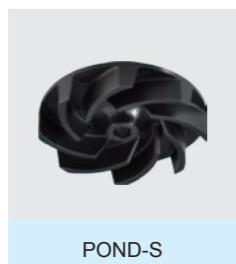


POND-S
SUS305

IMPELLER



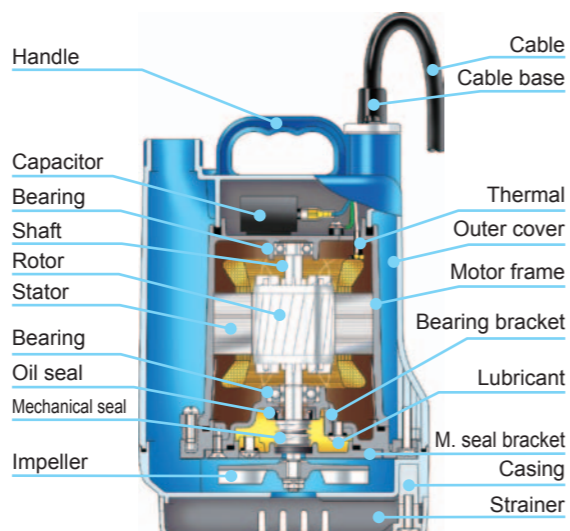
POND-A



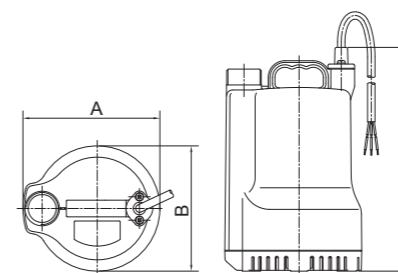
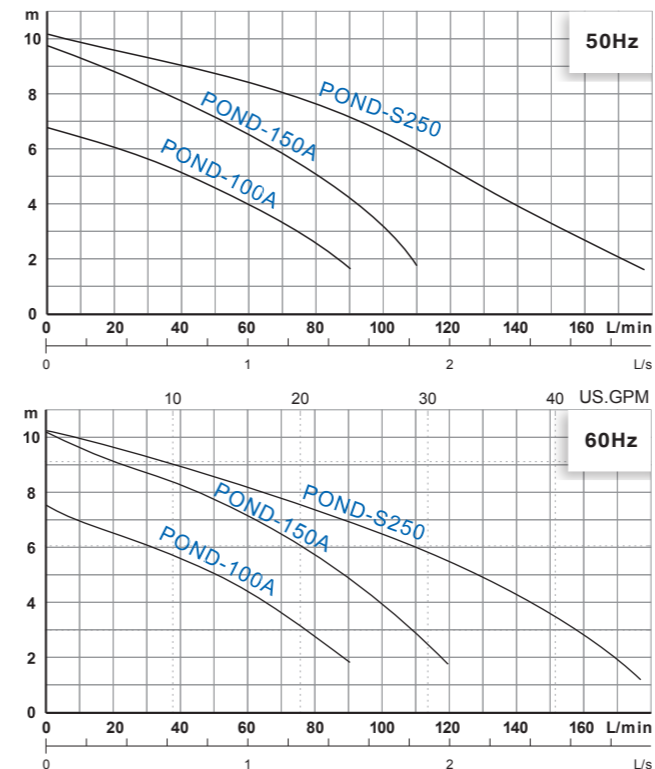
POND-S

APPLICATIONS

- General Drainage and Household usage.
- Rain drainage and dewatering.
- Water circulation for fish pond.
- Landscape and gardening.



PERFORMANCE CURVES



SPECIFICATIONS

Item	Description		
Model	POND-A	POND-S	
Discharge (mm)	15 • 20 • 25	32 • 40	
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)	
	Applications	Fresh Water · Fish Pond Water Circulation · Basins	
Type	Frequency	50Hz/60Hz	
	Motor	2P (50Hz 3000rpm · 60Hz 3600rpm) · Dry Motor	
	Insulation	Class B	
	Protection	IP68	
	Protector	Thermal	
	Bearing	Ball Type	
	M.seal	Single M.seals	
Material	Impeller	Semi-open	
	Outer Cover	ASA	PP
	Motor Frame	ADC12(EPD Coating)	SUS316
	Shaft	SUS410	
	M.seal	CA/CE	SiC/SiC
	Lubricant	Food Grade Lubricant(White Mineral Oil)	
	Casing	ASA	PP
	Casing cover	-	SUS304
	Impeller	ABS	PA
Cable	H05RN-F or SJTW		

PERFORMANCE SPECS.

※ Note: Weight Without Cable & Elbow Set

50Hz	Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard		MAX		Solid Passage mm	Weight kg	Dimension mm		
						m-L/min	m-L/s	m-L/min	m-L/s			A	B	C
	POND-100A	1/7 (0.1)	1"(25)	1	Capacitor	4.5-50	4.5-0.83	7-100	7-1.67	4	4	164	153	256
	POND-150A	1/5 (0.15)	1"(25)	1	Capacitor	6.5-60	6.5-1	10-120	10-2	4	4.4	164	153	256
	POND-S250	1/3 (0.25)	1.25"(32)	1	Capacitor	6.5-100	6.5-1.67	10.5-180	10.5-3	4	4.1	164	150	268

60Hz	Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard		MAX		Solid Passage mm(inch)	Weight kg(lb)	Dimension mm		
						m-L/min	ft-GPM	m-L/min	ft-GPM			A	B	C
	POND-100A	1/7 (0.1)	1"(25)	1	Capacitor	5-50	16-13	7.5-100	25-26	4(1/4")	4(9)	164	153	256
	POND-150A	1/5 (0.15)	1"(25)	1	Capacitor	7-60	23-16	10.5-120	34-32	4(1/4")	4.4(10)	164	153	256
	POND-S250	1/3 (0.25)	1.25"(32)	1	Capacitor	6.5-100	21-26	10.5-180	34-48	4(1/4")	4.1(9)	164	150	268