

POND SERIES

SUBMERSIBLE SUMP PUMPS

POWER : 1/7~1/3HP (0.1~0.25kW)
MAX.HEAD : 10.5m (34feet)
MAX.FLOW : 180L/min (3L/s)



PRODUCT NOMENCLATURE

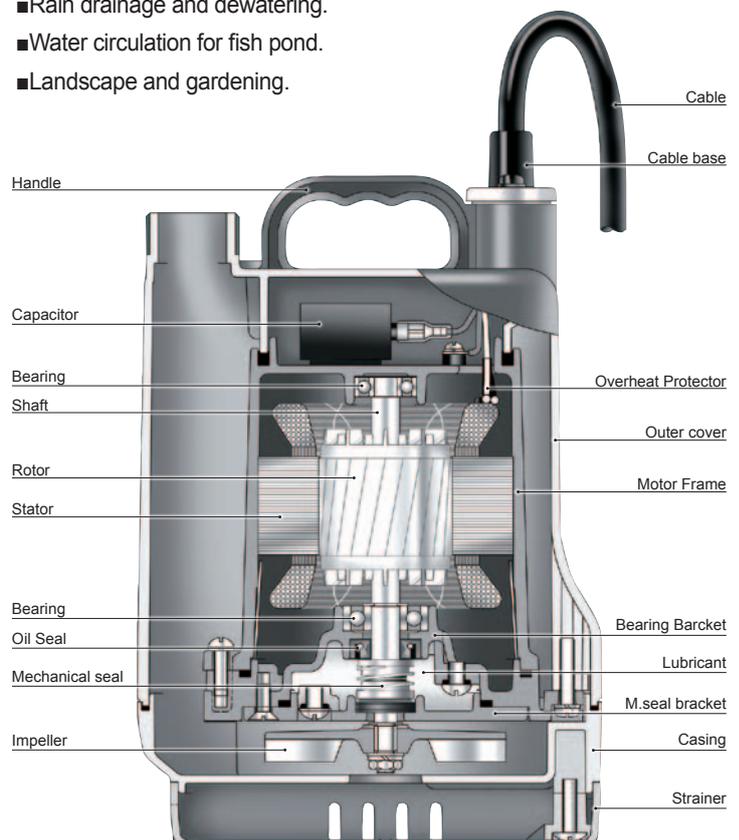
Example : $\frac{\text{POND}}{\text{Type}} - \frac{100}{\text{Watt}} \frac{\text{A}}{\text{Version}}$

FEATURE

- 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.

APPLICATIONS

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



POND SERIES SUBMERSIBLE SUMP PUMPS

POND-100A · POND-150A · POND-S250

SPECIFICATIONS

Item		Description	
Model		POND-100A/150A	POND-S250
Limits of Use	Liquid Temp.	0~40°C(32~104°F)	
	Applications	Fresh Water · Fish Pond Water Circulation · Basins	
Type	Frequency	50Hz	
	Motor	2P(3000rpm) · Dry Motor	
	Insulation	Class B	
	Protection	IP68	
	Protector	Motor Thermal Protector	
	Bearing	Ball type	
	M.seal	Single M.seals	
	Impeller	Vortex	
Material	Outer Cover	ASA	PP
	Motor Frame	ADC12 (EPD Coating)	SUS316
	Shaft	SUS410	
	M.seal	CA/CE	CA/CE
	Casing	ASA	PP
	Impeller	ABS	PA
	Cable	H05RN-F or SJTW/SJOW	
	Optional	-	



POND-100A · POND-150A



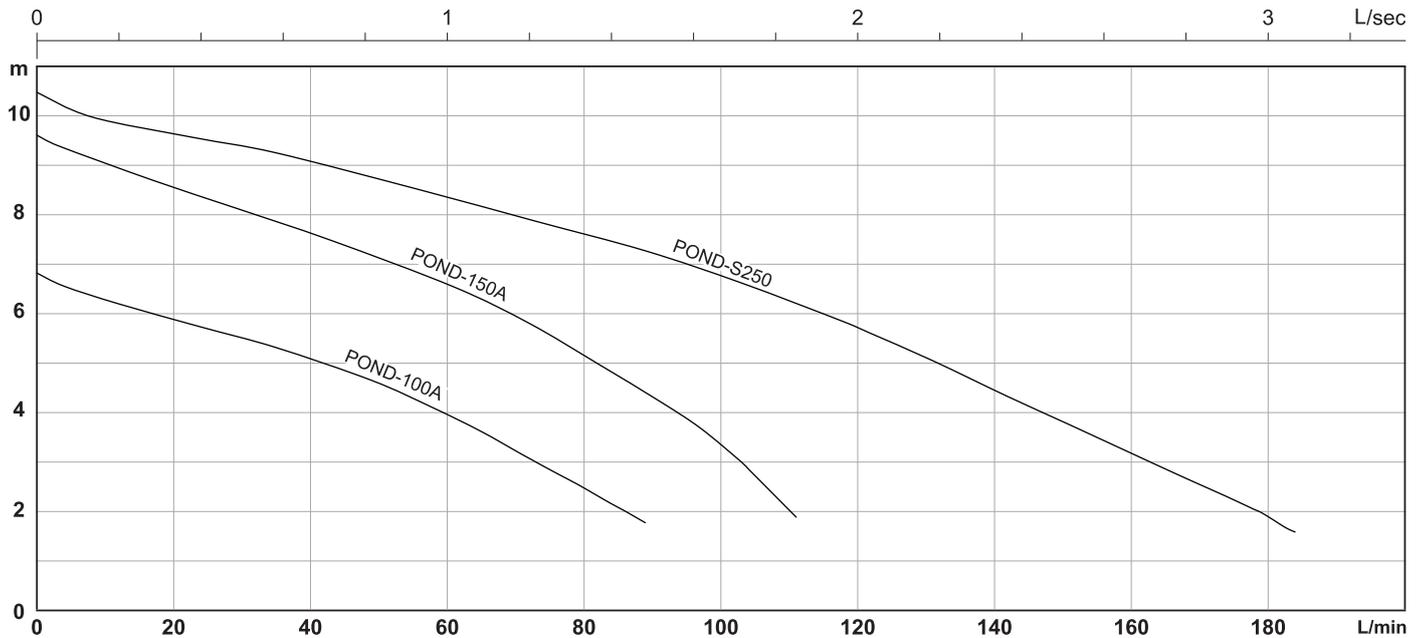
POND-S250



Vortex Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-L/min	m-L/s	m-L/min	m-L/s		1Ø-kg(lbs)	3Ø-kg(lbs)								
POND-100A	1/7(0.1)	1"(25)	4.5-50	4.5-0.83	7-100	7-1.67	4(1/8")	4(9)	-	Full load Ampere	1.1	1.1	-	-	-	-	-
POND-150A	1/5(0.15)	1"(25)	6.5-60	6.5-1	10-120	10-2	4(1/8")	4.4(10)	-		1.6	1.6	-	-	-	-	-
POND-S250	1/3(0.25)	1 1/4"(32)	6.5-100	6.5-1.67	10.5-180	10.5-3	4(1/8")	4.1(9)	-		2.2	2.2	-	-	-	-	-

PERFORMANCE CURVES



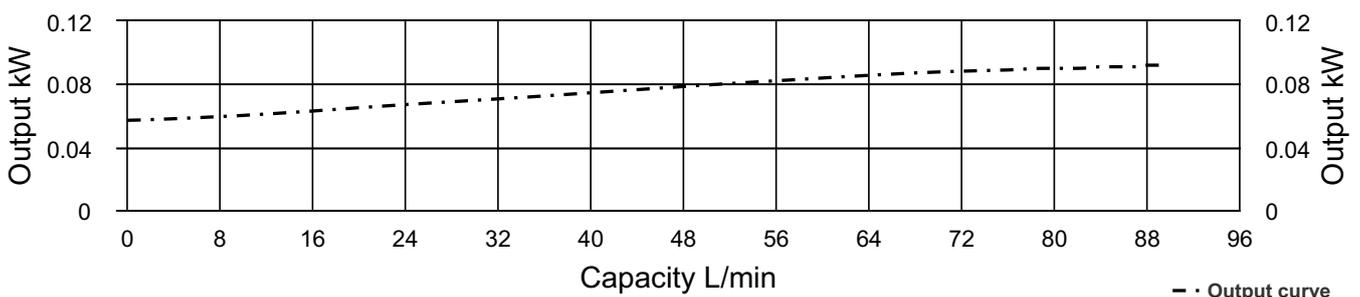
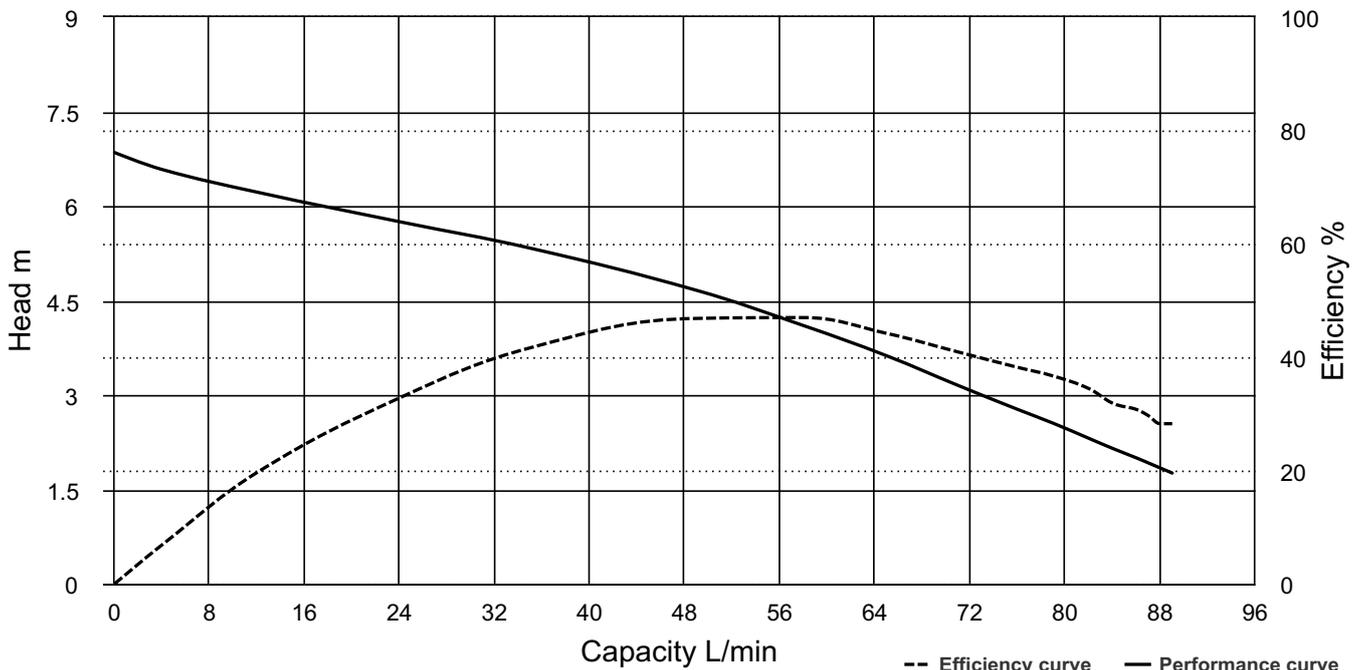
Model	Power HP(kW)	Discharge inch(mm)	Q:L/min										Q:L/sec	H:m							
			20	40	60	80	100	120	140	160	0.2	0.4		0.6	1	1.4	1.8	2.2	2.6		
POND-100A	1/7(0.1)	2"(50)	5.8	5.1	4.0	2.5	-	-	-	-	-	-	6.3	5.8	5.3	4.0	2.2	-	-	-	
POND-150A	1/5(0.15)	1"(25)	8.7	7.6	6.5	5.1	3.0	-	-	-	-	9.0	8.4	7.8	6.5	4.7	2.0	-	-		
POND-S250	1/3(0.25)	1 1/4"(32)	9.7	9.0	8.3	7.6	6.7	5.7	4.5	3.2	-	9.9	9.6	9.2	8.3	7.4	6.3	5.0	3.4		



HCP PUMP

PUMP PERFORMANCE CURVES

Model	POND-100A				Ver NO.	BA0519	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	1" / 25 mm						
Power	0.14 HP / 0.1 kW						
Std. Head	4.5 m						
Std. Capacity	50 L/min						
Volt	220 V	230 V	240 V				
Rated Current	1.1 A	1.1 A	1.1 A				
Pole / rpm	2 P / 2750 rpm						
Start Method	CAPACITOR						
Insulation Class	B						



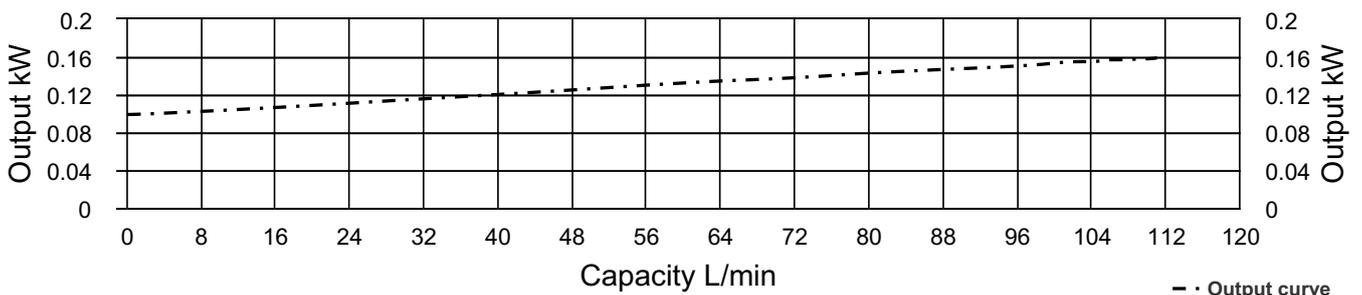
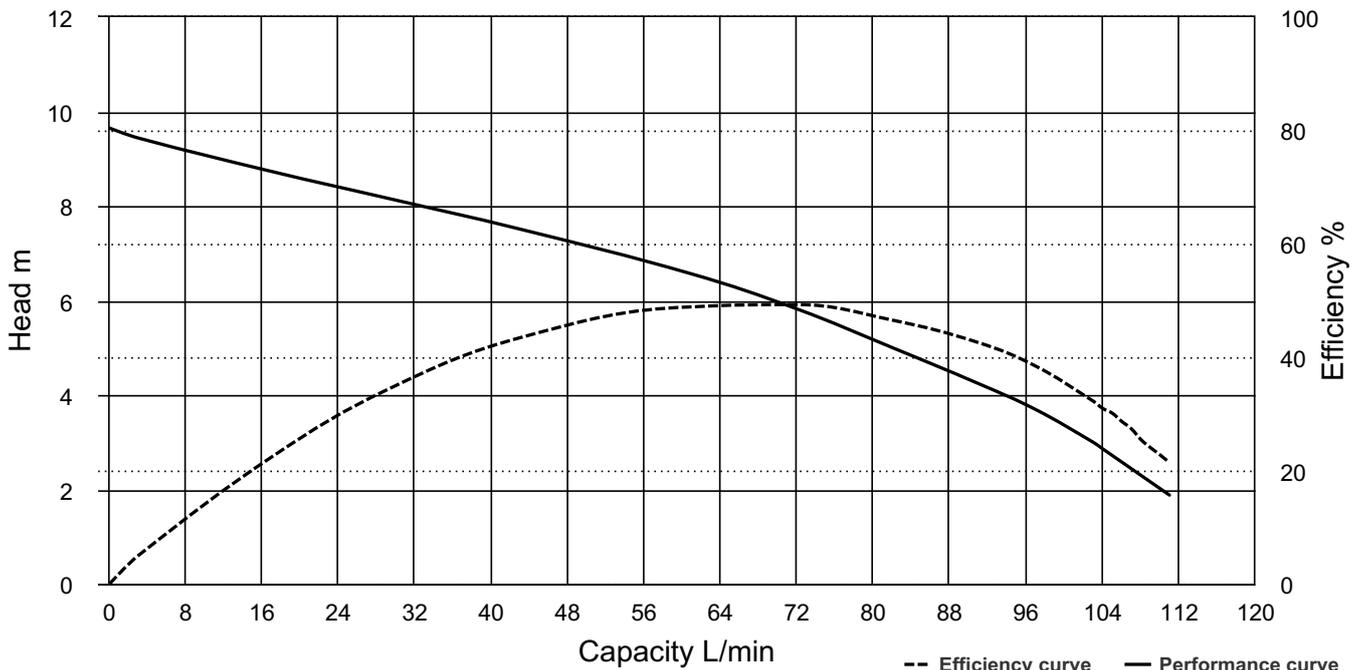
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	POND-150A				Ver NO.	BA0519
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION	
Discharge	1" / 25 mm					
Power	0.2 HP / 0.15 kW					
Std. Head	6.5 m					
Std. Capacity	60 L/min					
Volt	220 V	230 V	240 V			
Rated Current	1.6 A	1.6 A	1.6 A			
Pole / rpm	2 P / 2750 rpm					
Start Method	CAPACITOR					
Insulation Class	B					



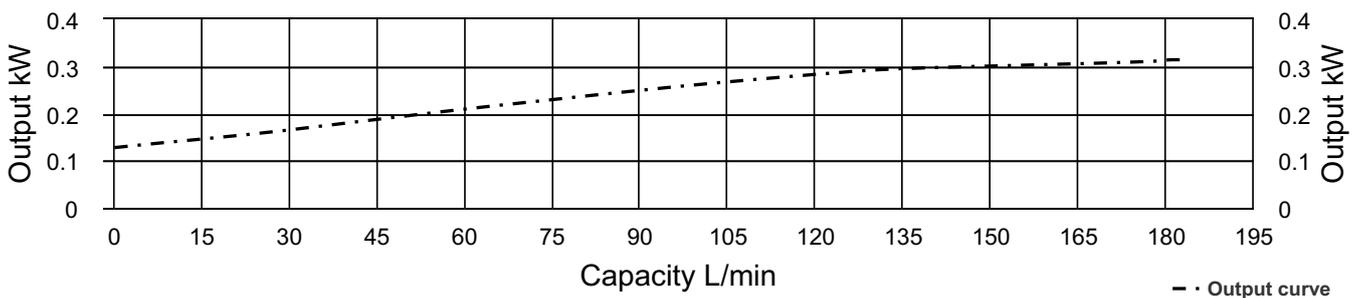
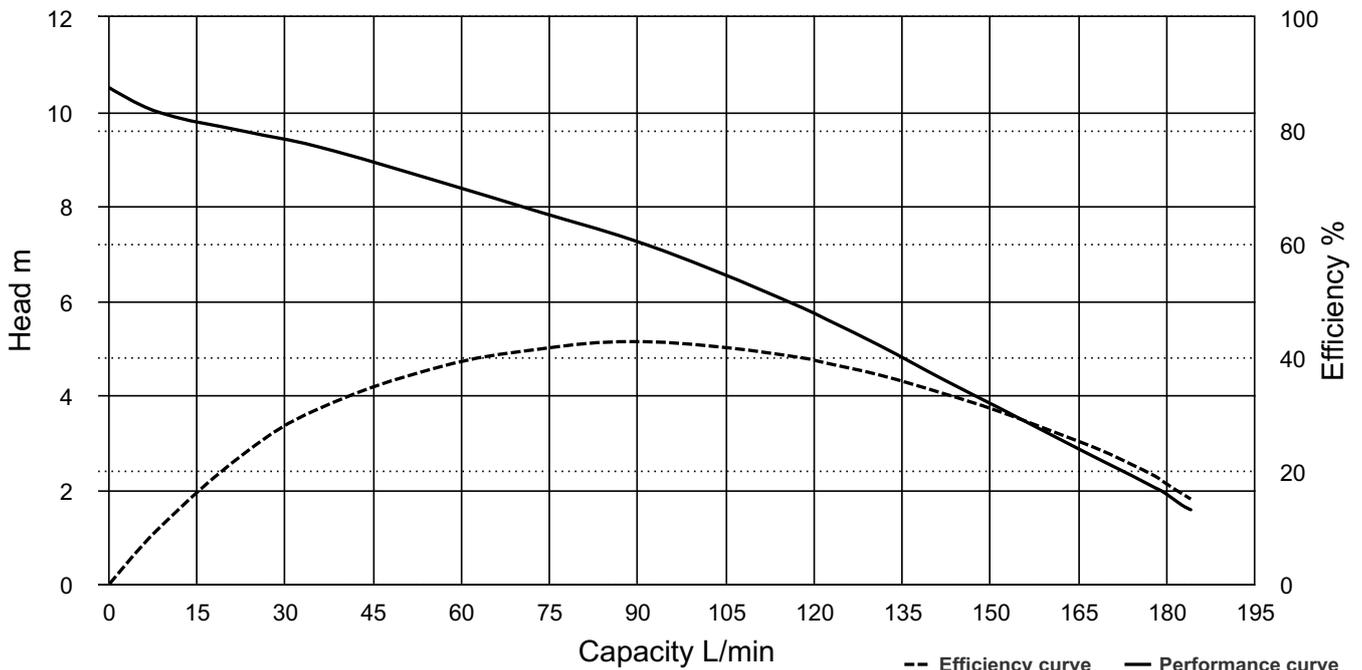
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	POND-S250				Ver NO.	BA0519
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION	
Discharge	1 1/4" / 32 mm					
Power	0.33 HP / 0.25 kW					
Std. Head	6.5 m					
Std. Capacity	100 L/min					
Volt	220 V	230 V	240 V			
Rated Current	2.2 A	2.2 A	2.2 A			
Pole / rpm	2 P / 2750 rpm					
Start Method	CAPACITOR					
Insulation Class	B					



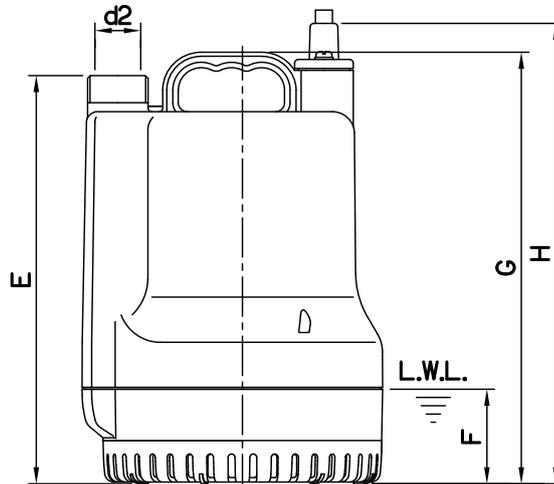
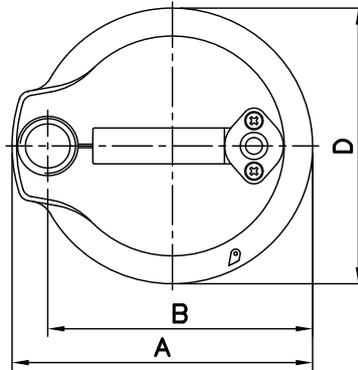
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DIMENSIONS

NO: S1PD020AA12-00

MODEL: POND-100A / 150A

1Ø



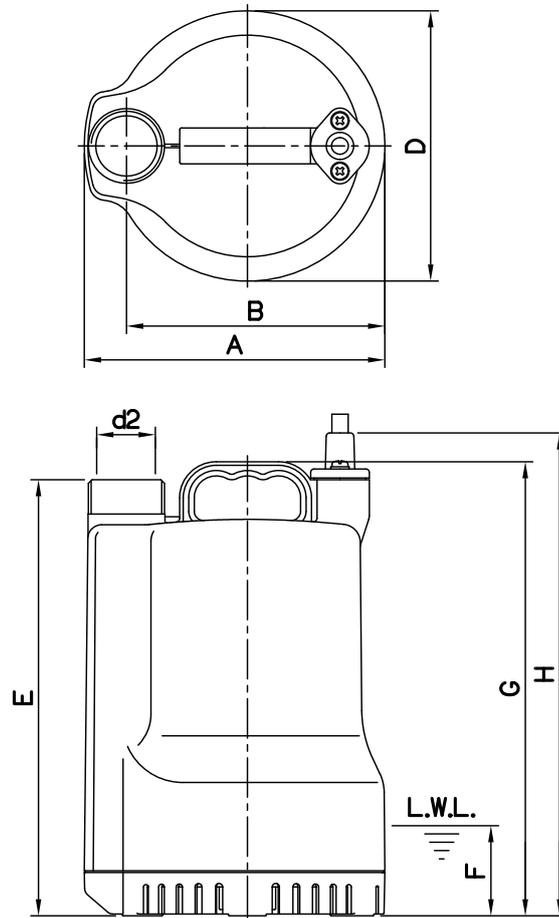
Pump	
Male	Thread
PF	

Dimensions-mm								Weight:kg	
Model	d2	A	B	D	E	F	G	H	WT1
POND-100A	25	164	145	153	227	50	240	256	4
POND-150A	25	164	145	153	227	50	240	256	4.4

Dimensions-inch								Weight:lb	
Model	d2	A	B	D	E	F	G	H	WT1
POND-100A	1	6 ⁷ / ₁₆	5 ¹¹ / ₁₆	6	8 ¹⁵ / ₁₆	1 ¹⁵ / ₁₆	9 ⁷ / ₁₆	10 ¹ / ₁₆	9
POND-150A	1	6 ⁷ / ₁₆	5 ¹¹ / ₁₆	6	8 ¹⁵ / ₁₆	1 ¹⁵ / ₁₆	9 ⁷ / ₁₆	10 ¹ / ₁₆	10

L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)



Pump	
Male	Thread
PF	

Dimensions-mm Weight:kg

Model	d2	A	B	D	E	F	G	H	WT1
POND-S250	32	164	141	150	242	50	252	268	4.1

Dimensions-inch Weight:lb

Model	d2	A	B	D	E	F	G	H	WT1
POND-S250	1¼	6⅞	5⅝	5⅞	9½	1⅝	9⅝	10⅝	9

L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)



Professionalism • Innovation • Service • Commitment

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