



Stainless Steel Submersible Pumps



SHINDO HAS CONSTANTLY DEVELOP THE CREDIBILITY TO SERVE THE INDUSTRY EFFICIENTLY.

SHINDO IS COMMITTED TO PROVIDE HIGH VALUE-ADDED PRODUCTS IN MINIMUM LEAD-TIME AND AT COST EFFECTIVE PRICING, TO HELP CUSTOMERS ACHIEVE ZERO DOWNTIME, PRODUCTION TARGET AND HELP ENHANCE A SAFER ENVIRONMENT.



STAINLESS STEEL SUBMERSIBLE PUMPS

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Application

Shindo stainless steel submersible pumps, SS/SSW Series are characterized by corrosion resistance, small volume, light weight and convenient operation. In general, SS/SSW Series are design for following applications:

- α Water supply
- α Sump
- α Drain water
- α Fountain
- α Pool
- α Pond

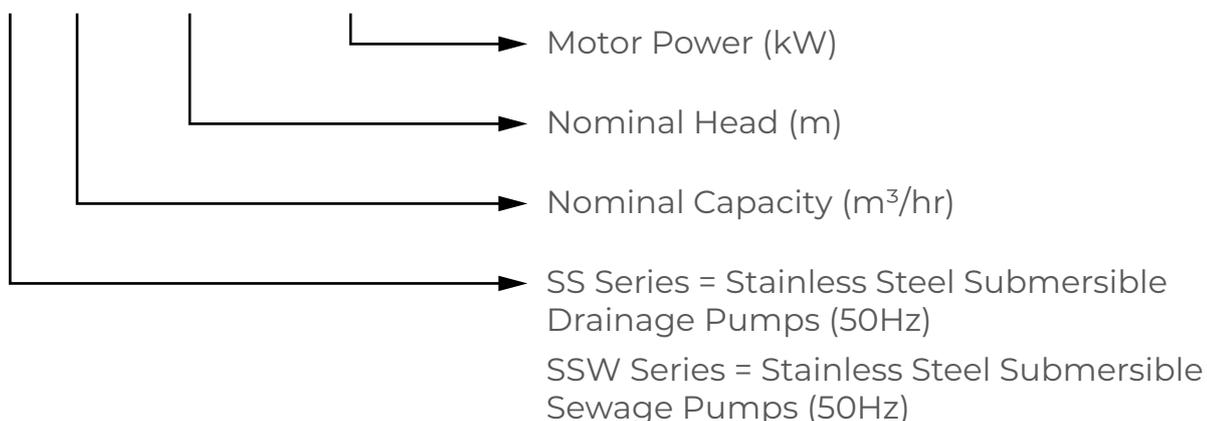
Performance range for SS and SSW series:

- α Capacity (Q):
 - ▶ Up to 15m³/hr (For SS series)
 - ▶ Up to 30m³/hr (For SSW series)
- α Head (H):
 - ▶ Up to 38m (For SS series)
 - ▶ Up to 14m (For SSW series)
- α Max. Liquid Temperature = +40°C
- α Max. Diameter of Contained Particle:
 - ▶ 4mm (For SS series)
 - ▶ 20mm (For SSW series)



Model Code

SS 4 - 5.5 - 0.08



Construction Design

Both SS and SSW series can be fitted with multiple water outlet pipes and self-regulated according to the requirements of the head and flow. Both series are also can be used at a deadlock (SS and SSW series are fitted with a floating switch, so they are possible to carry out the automatic control of start-stop action). Single-phase capacitor-running asynchronous motor are equipped in both series and install with a built-in thermal protector, and can be automatically cut-off in the case of overheat or over-current, thus ensuring safety and reliable running under worse circumstances.

Hydraulic Parts

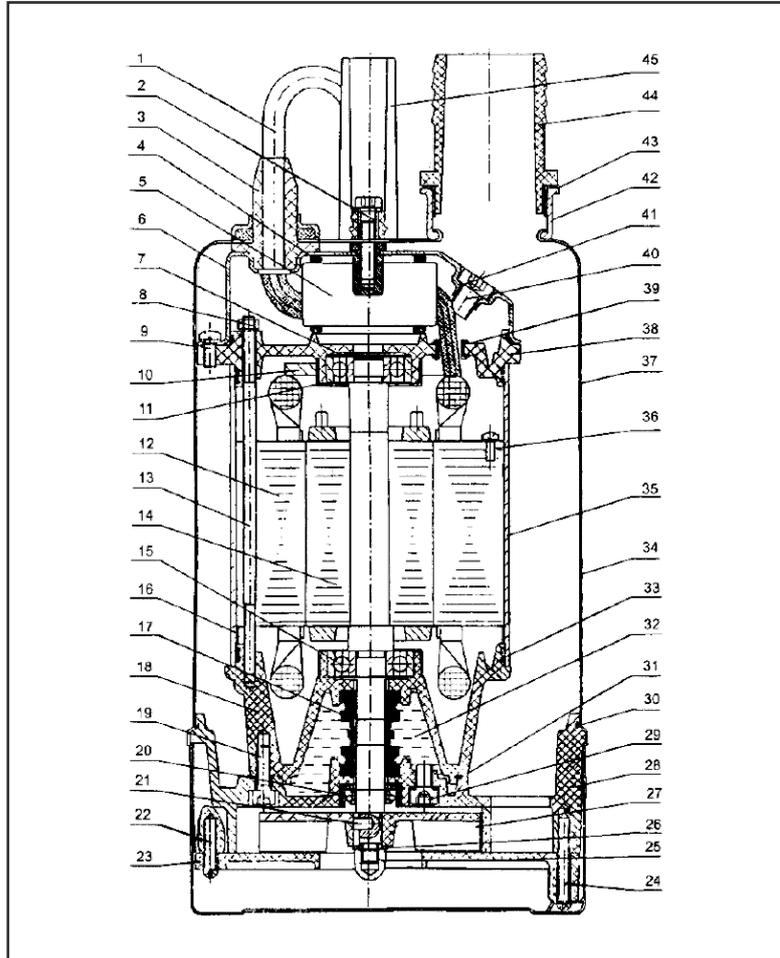
- ✕ Pump body is made up of stainless steel (SS304).
- ✕ Shaft is made up of stainless steel (SS420).
- ✕ For 0.08kW-0.12kW pump, the material of the impeller is plastic.
- ✕ For 0.25kW pump and above, the material of the impeller is stainless steel (SS304).
- ✕ For 0.08kW pump, the mechanical seal is single end type.
- ✕ For above 0.08kW pump, the mechanical seal is double end type.
- ✕ The material for single end mechanical seal is Graphite/Ceramic/NBR
- ✕ The material for double end mechanical seal:
 - ▶ SS Series: Graphite/Ceramic/NBR and Sic/Graphite/NBR
 - ▶ SSW Series: Graphite/Ceramic/NBR and Sic/Sic/NBR
- ✕ Float switch is installable.
- ✕ For both series, the discharge connection is barb type.

Motor Parts

- ✕ Insulation Class: F
- ✕ Enclosure Class: IP68
- ✕ Speed: 2900RPM
- ✕ Standard Voltage: 1 x 220-240V, 50Hz
3 x 380-415V, 50Hz
- ✕ Built-in thermal protector for single-phase motor.

General Arrangement Drawing

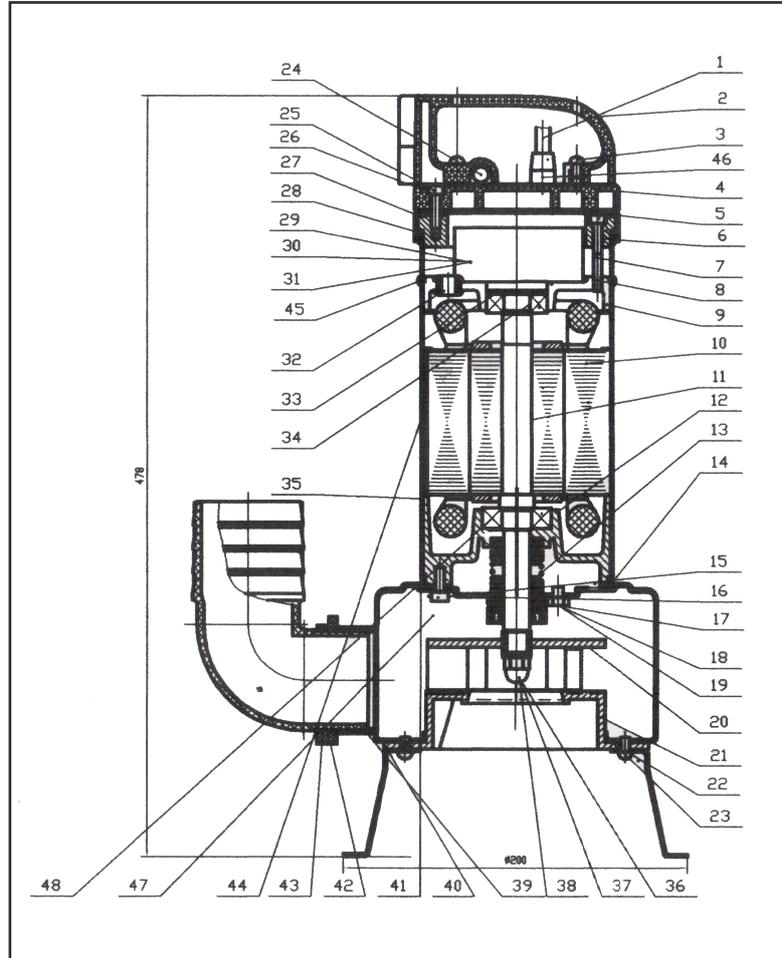
For SS Series



1	Cable	13	Bolt	25	Nut	37	Nameplate
2	Screw	14	Rotor	26	Washer	38	Top Cover
3	Cable Protector	15	Bearing	27	Impeller	39	Cable Protector
4	O-Ring	16	Fan-Slice	28	Filter Mesh	40	Plug
5	Capacitor	17	Mechanical Seal	29	Nut	41	O-Ring
6	Capacitor Cover	18	Connector	30	O-Ring	42	Connector Cover
7	Spring Washer	19	Screw	31	O-Ring	43	O-Ring
8	Nut	20	Seal	32	Oil	44	Outlet Connector
9	Screw	21	Key	33	O-Ring	45	Handle
10	Thermal Protector	22	Self-Taping Screw	34	Water Tank		
11	Pushing	23	Cover	35	Motor Frame		
12	Stator	24	Self-Taping Screw	36	Grounding Screw		

General Arrangement Drawing

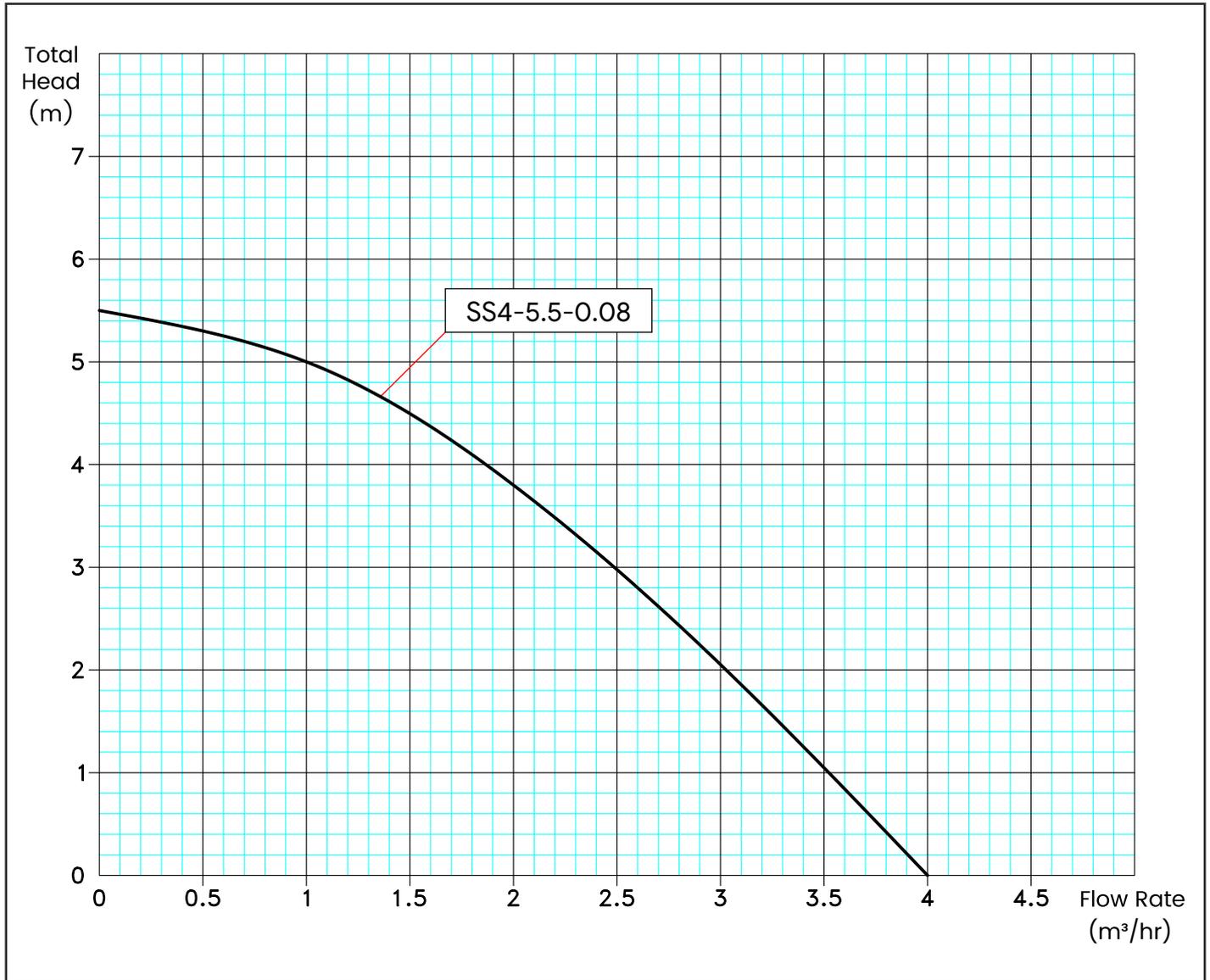
For SSW



1	Cable	13	D14 Double Mechanical Seal	25	M6x16 Inner Hexagon Screw	37	Ø8 Elastic Washer
2	Handle	14	Lower Bearing Chock Gasket	26	Ø6 Elastic Washer	38	M8 Nut
3	M5x16 M5x20 Screw	15	M6x16 Inner Hexagon Gasket	27	Web Plate Seal Washer	39	Outlet
4	Cover	16	Ø6 Elastic Washer	28	Casing Seal Washer	40	Volute Casing
5	Seal Chamber	17	M6x10 Cylindrical Screw	29	Capacity	41	Inside Casing
6	Web Plate	18	O-Ring	30	Connector	42	Outlet Seal Nut
7	M6x45 Inner Hexagon Screw	19	Vapor Lock Seal Washer	31	M4x8 Cross-screw	43	O-Ring Ø65x3.5
8	Elastic Washer	20	Impeller	32	Lead Wire Sleeve	44	Nameplate
9	Upper Bearing Chock	21	Base	33	Wave Washer	45	Circlip
10	Motor	22	M5x12 Cross-screw	34	6202 Bearing	46	Cable Sleeves
11	Rotor	23	O-Ring Ø122x2.5	35	Motor Bead Flange	47	D14 Oil Seal
12	Lower Bearing Chock	24	Big Pressing Sleeve	36	Ø8 Washer	48	6203 Bearing

Performance Curve

For SS4-5.5-0.08



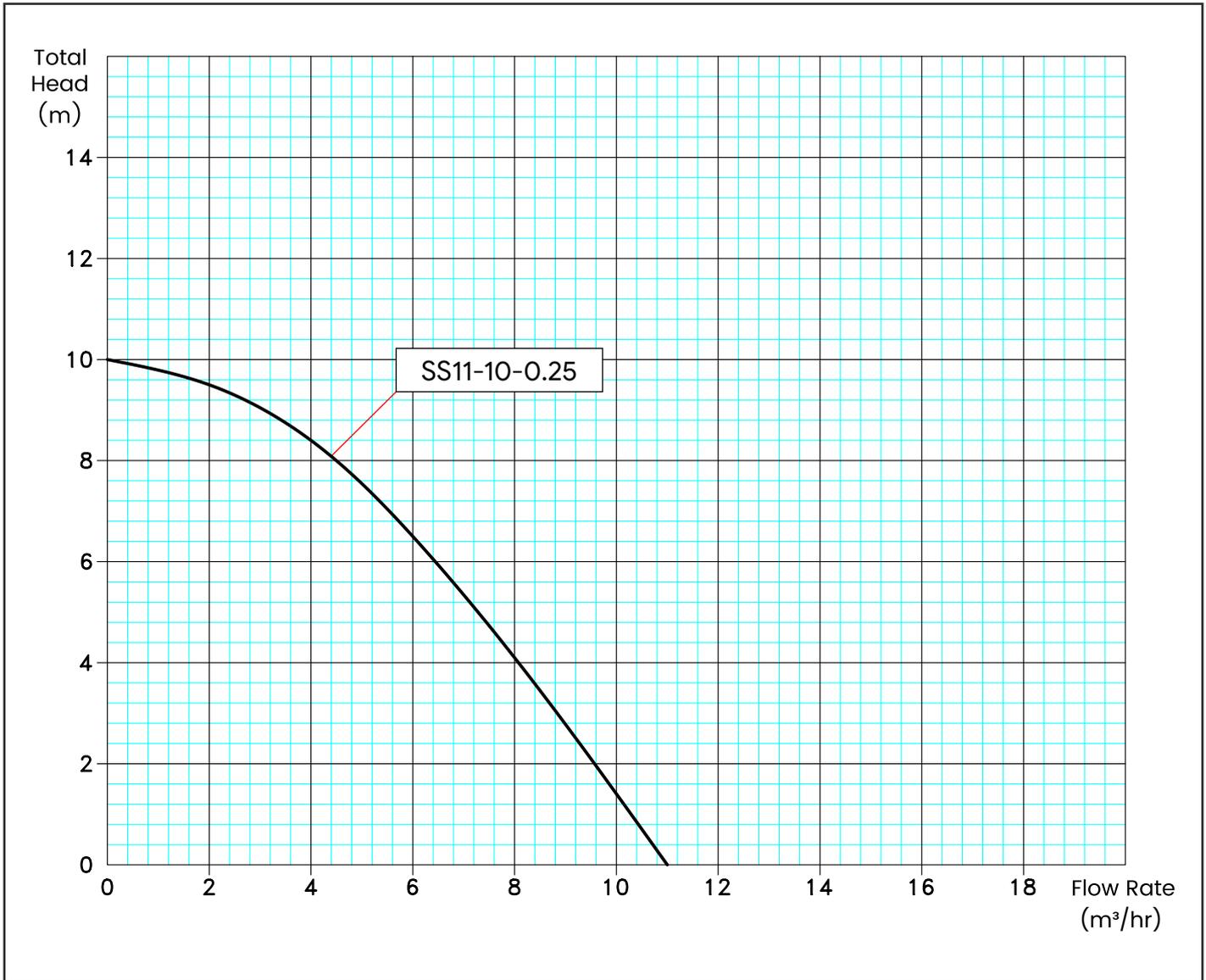
Performance Curve

For SS6-8-0.12



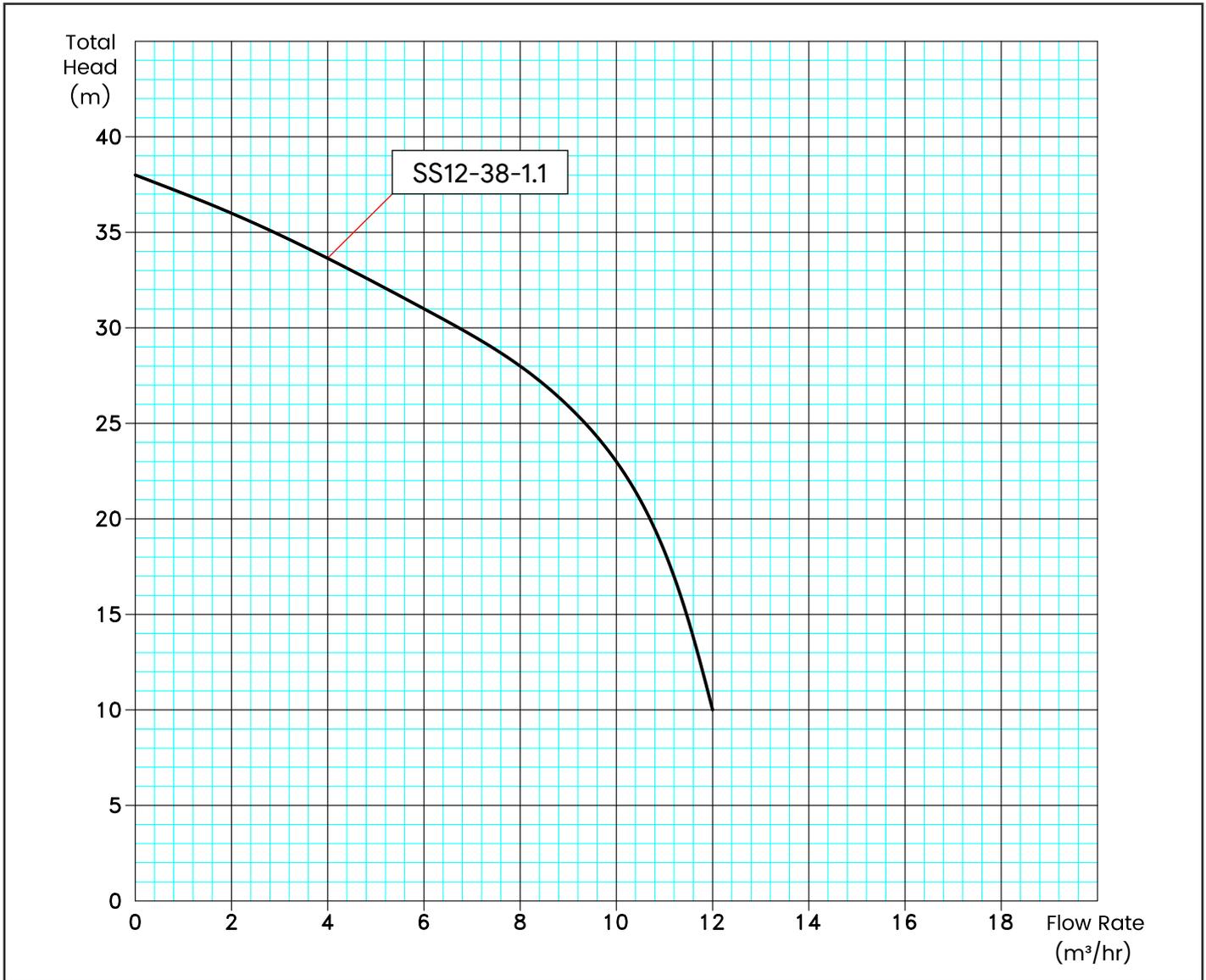
Performance Curve

For SS11-10-0.25



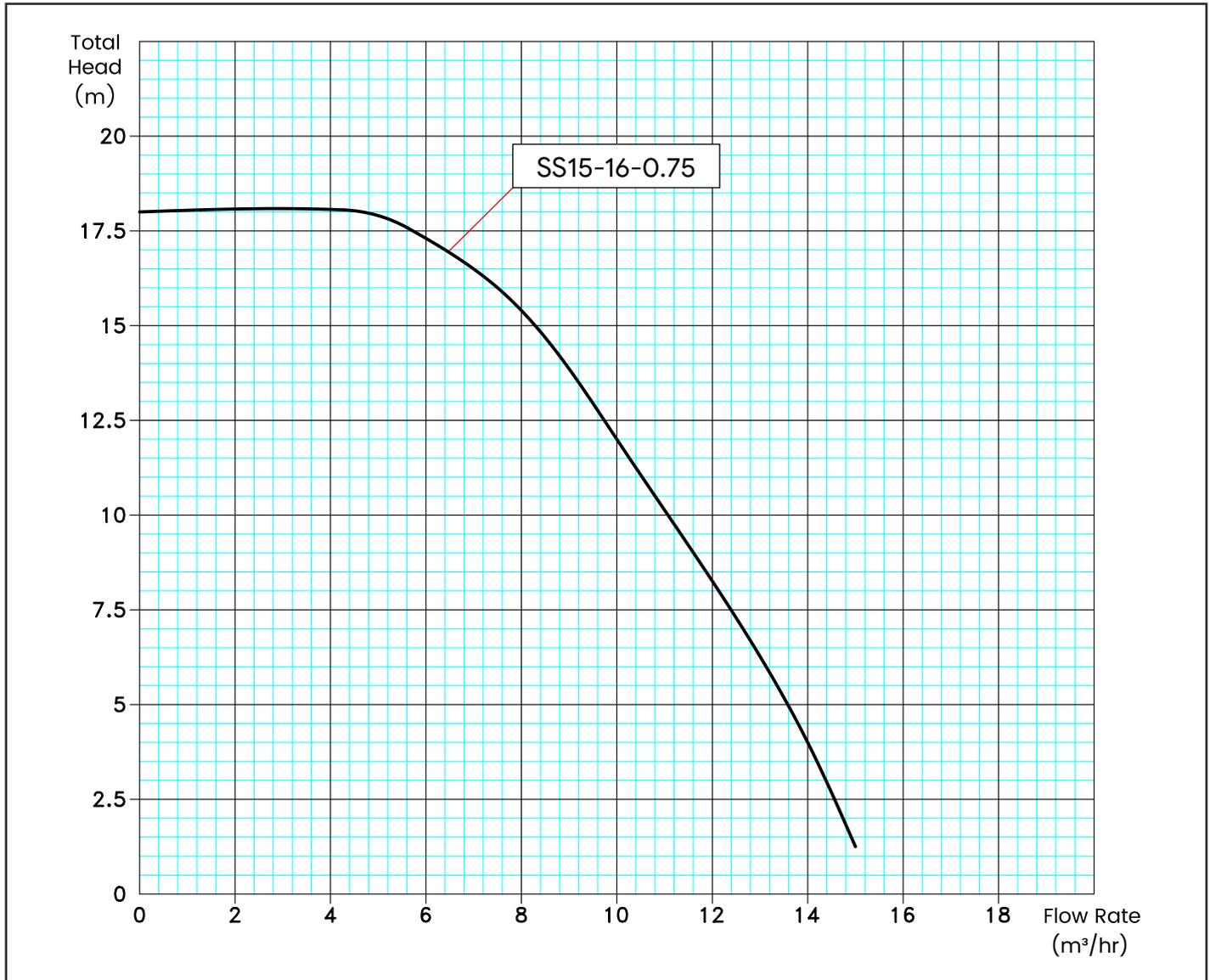
Performance Curve

For SS12-38-1.1



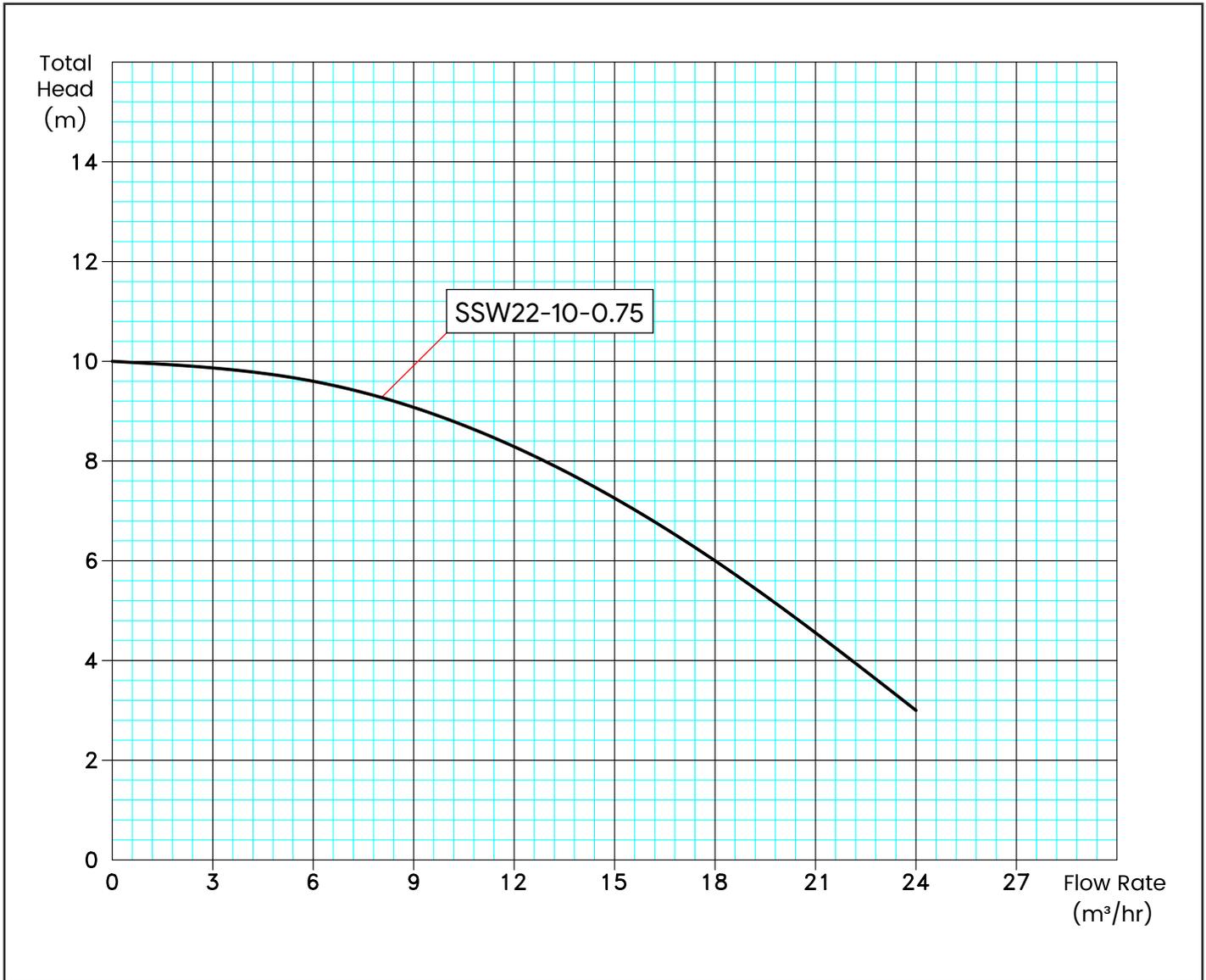
Performance Curve

For SS15-16-0.75



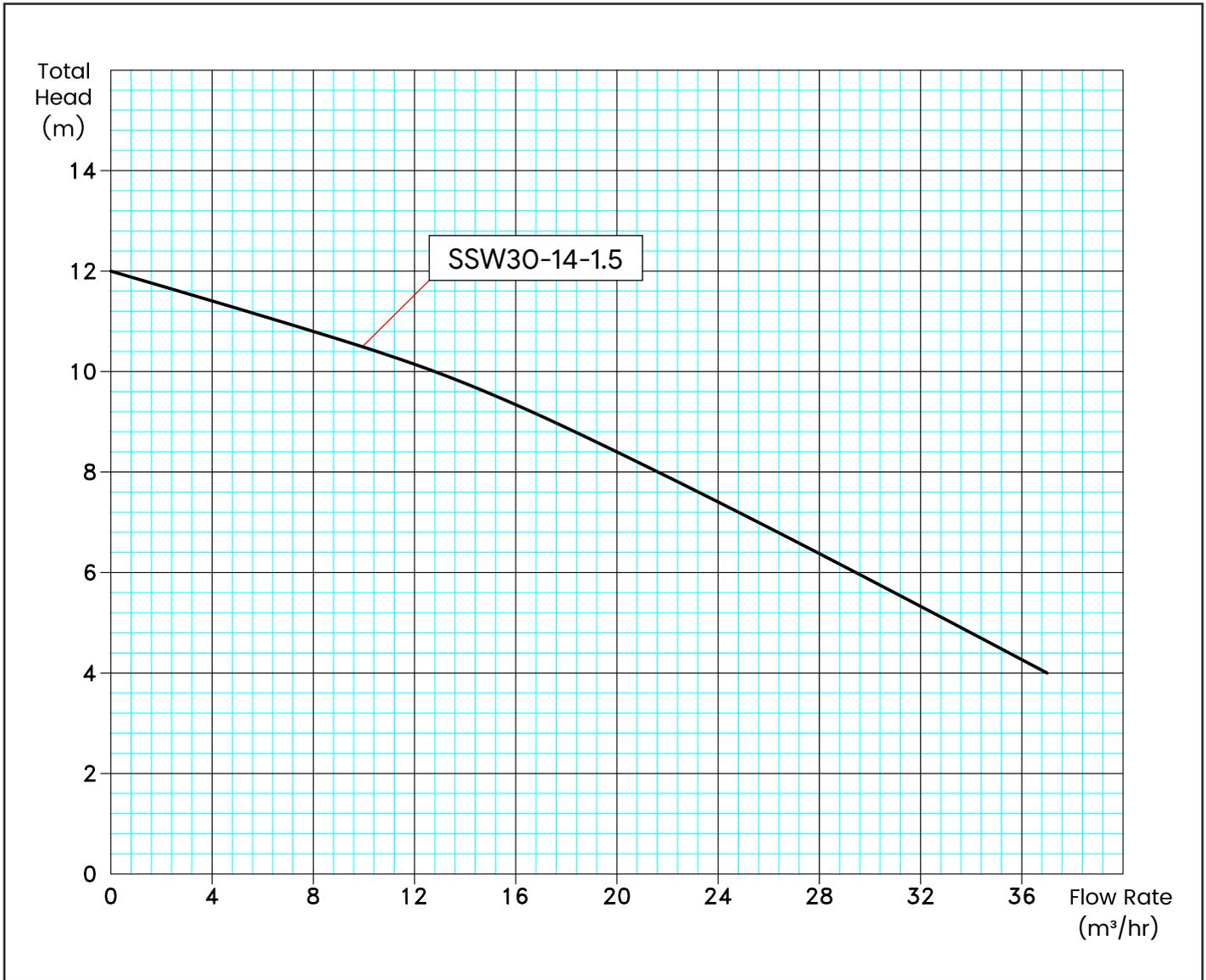
Performance Curve

For SSW22-10-0.75



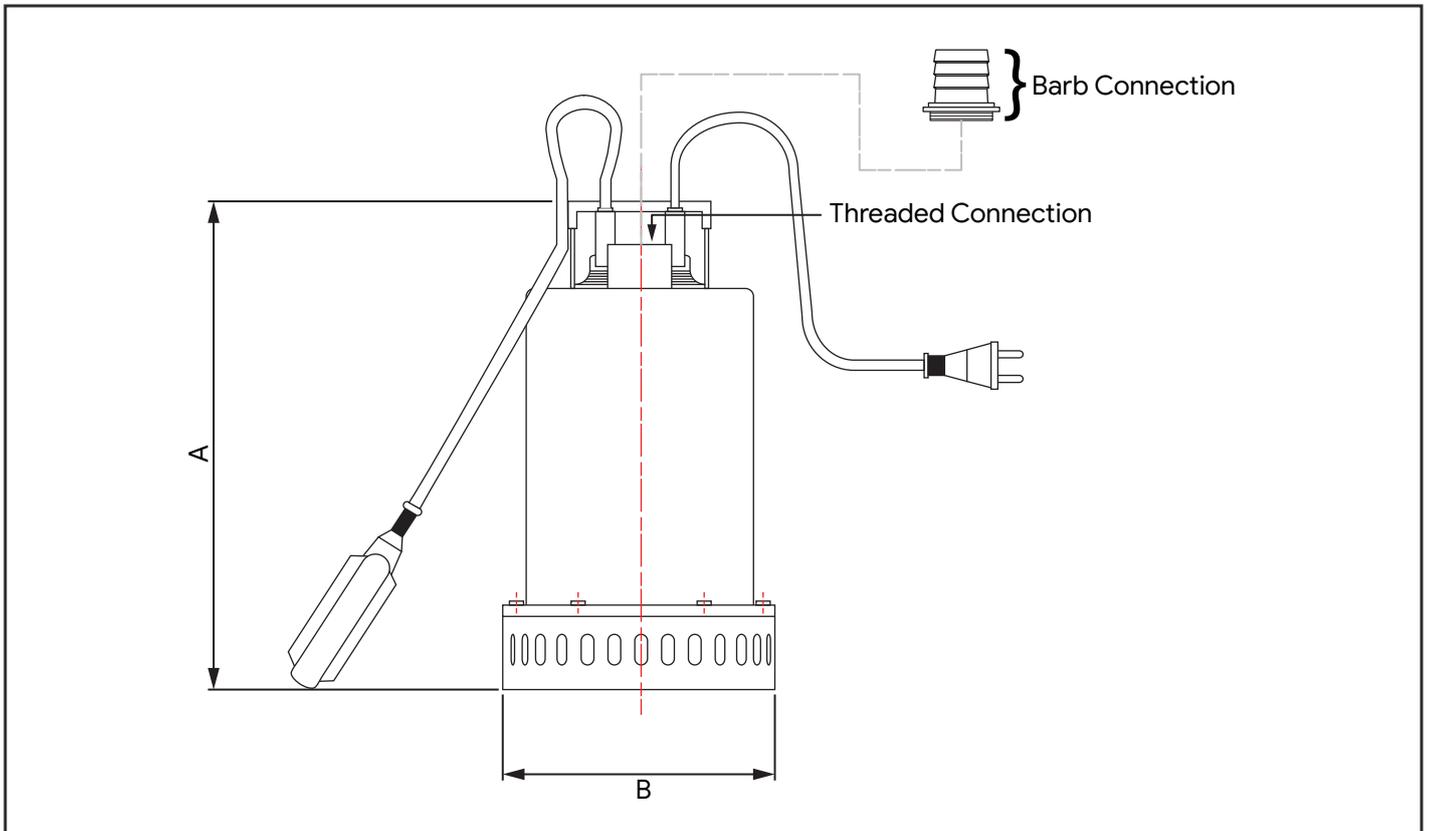
Performance Curve

For SSW30-14-1.5



Dimensional Drawing

For SS Series

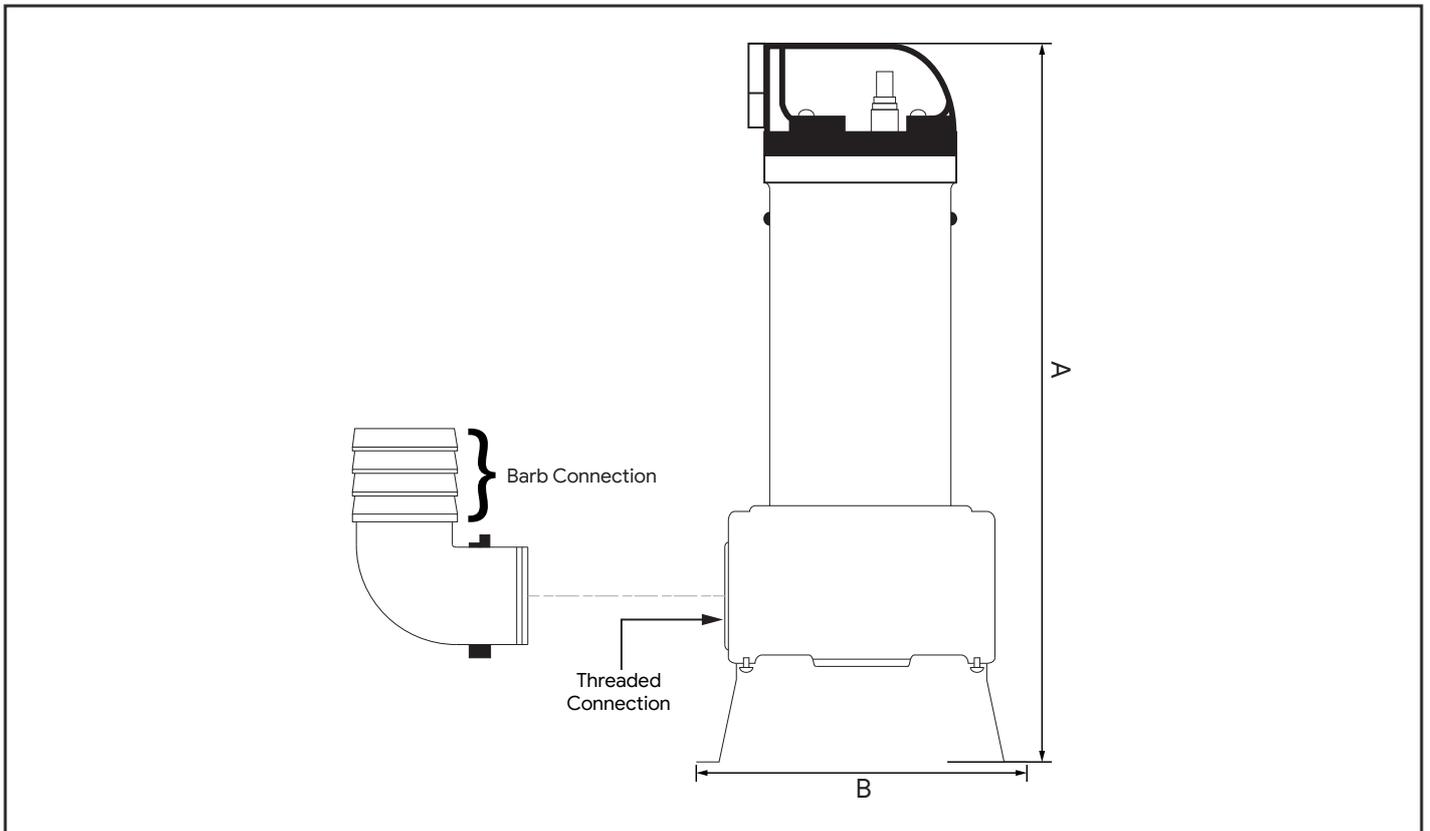


Pump Model	A	B	Discharge Size	
			Soft Pipe Installation (Barb Connection)	Hard Pipe Installation (Threaded Connection)
SS4-5.5-0.08	285	Ø112	1"	¾"
SS6-8-0.12	290	Ø133	1"	¾"
SS11-10-0.25	330	Ø152	1½"	1¼"
SS12-38-1.1	433.5	Ø166	2"	1½"
SS15-16-0.75	390	Ø166	2"	1½"

***All dimensions in mm unless specified

Dimensional Drawing

For SSW Series



Pump Model	A	B	Discharge Size	
			Soft Pipe Installation (Barb Connection)	Hard Pipe Installation (Threaded Connection)
SSW22-10-0.75	515	Ø180	2½"	2"
SSW30-14-1.5	475	Ø180	2½"	2"

***All dimensions in mm unless specified

