



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

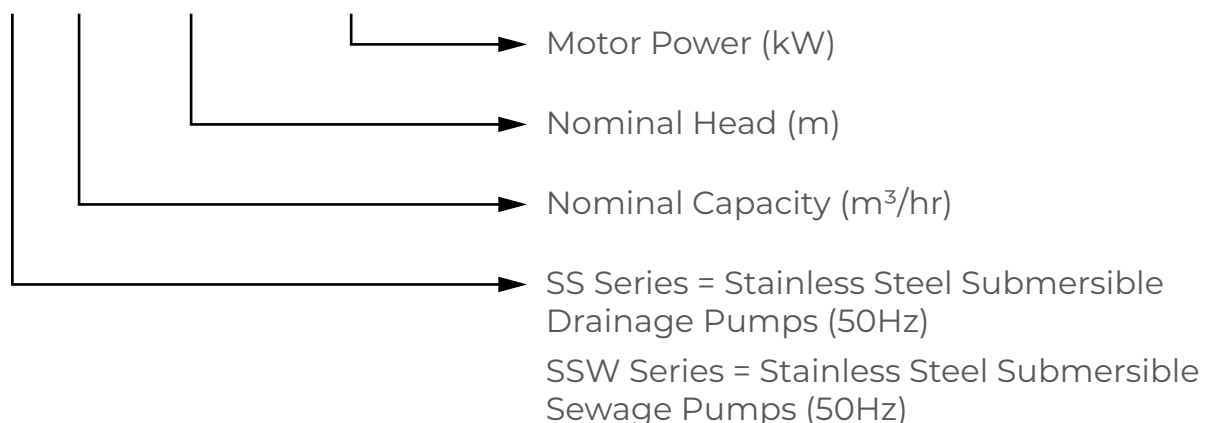
Performance range for SS and SSW series:

- 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

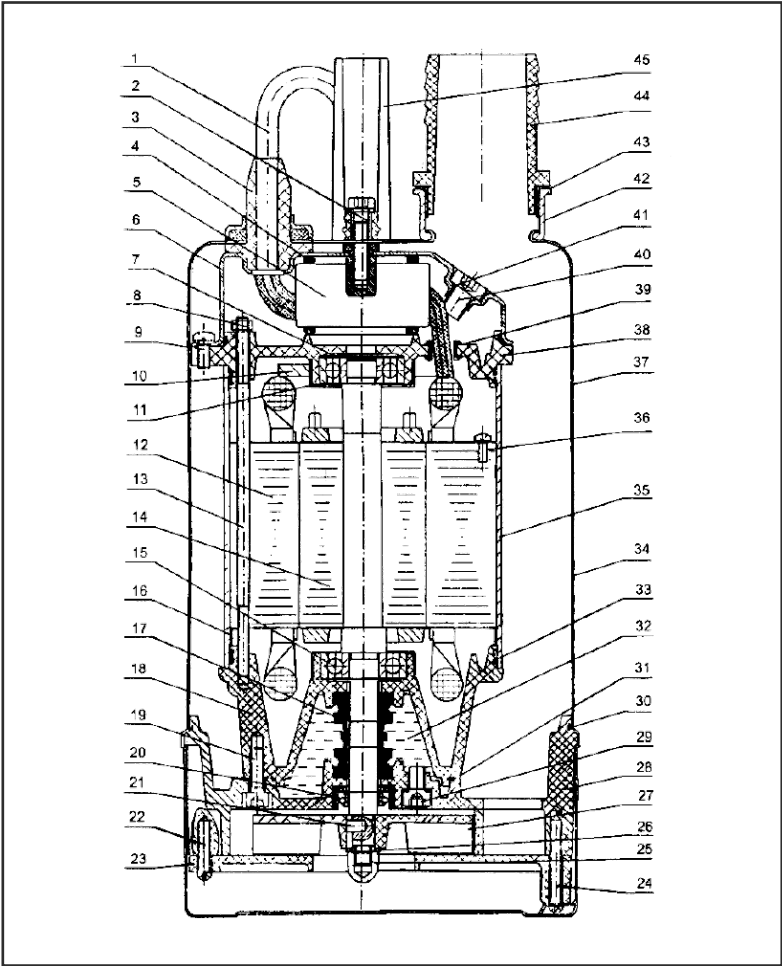
- ✕ Pump body is made up of stainless steel (SS304).
- ✕ Shaft is made up of stainless steel (SS420).
- ✕ For 0.08kW-0.12kW pump, the material of the impeller is plastic.
- ✕ For 0.25kW pump and above, the material of the impeller is stainless steel (SS304).
- ✕ For 0.08kW pump, the mechanical seal is 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

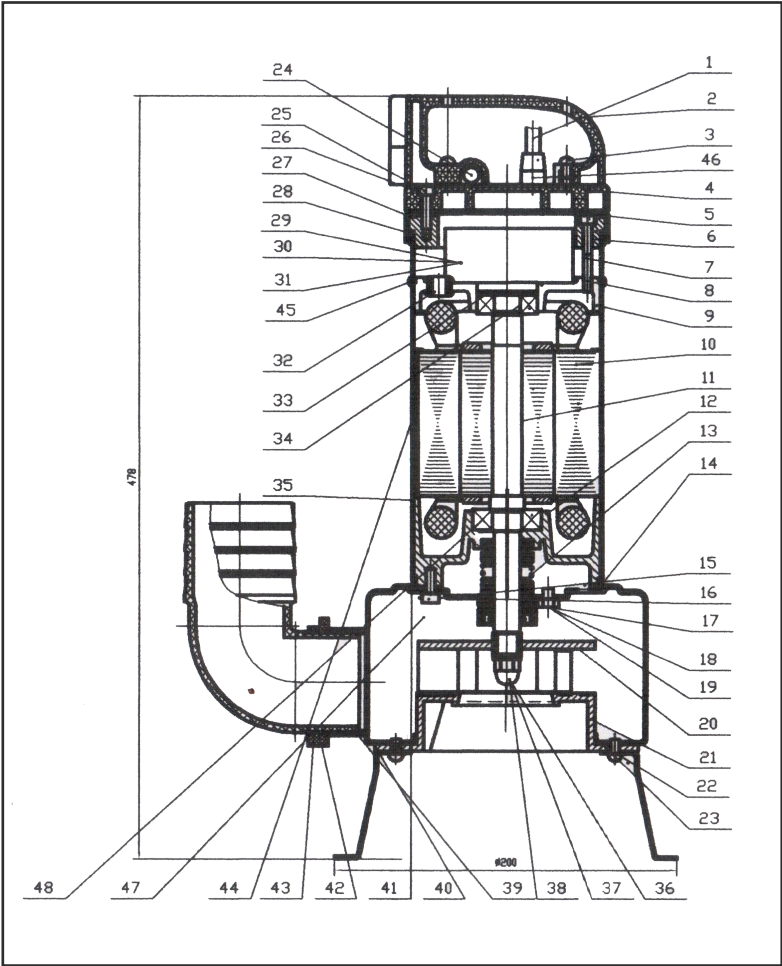
For SS Series



| | | | | | | | |
|----|-------------------|----|-------------------|----|-----------------|----|------------------|
| 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

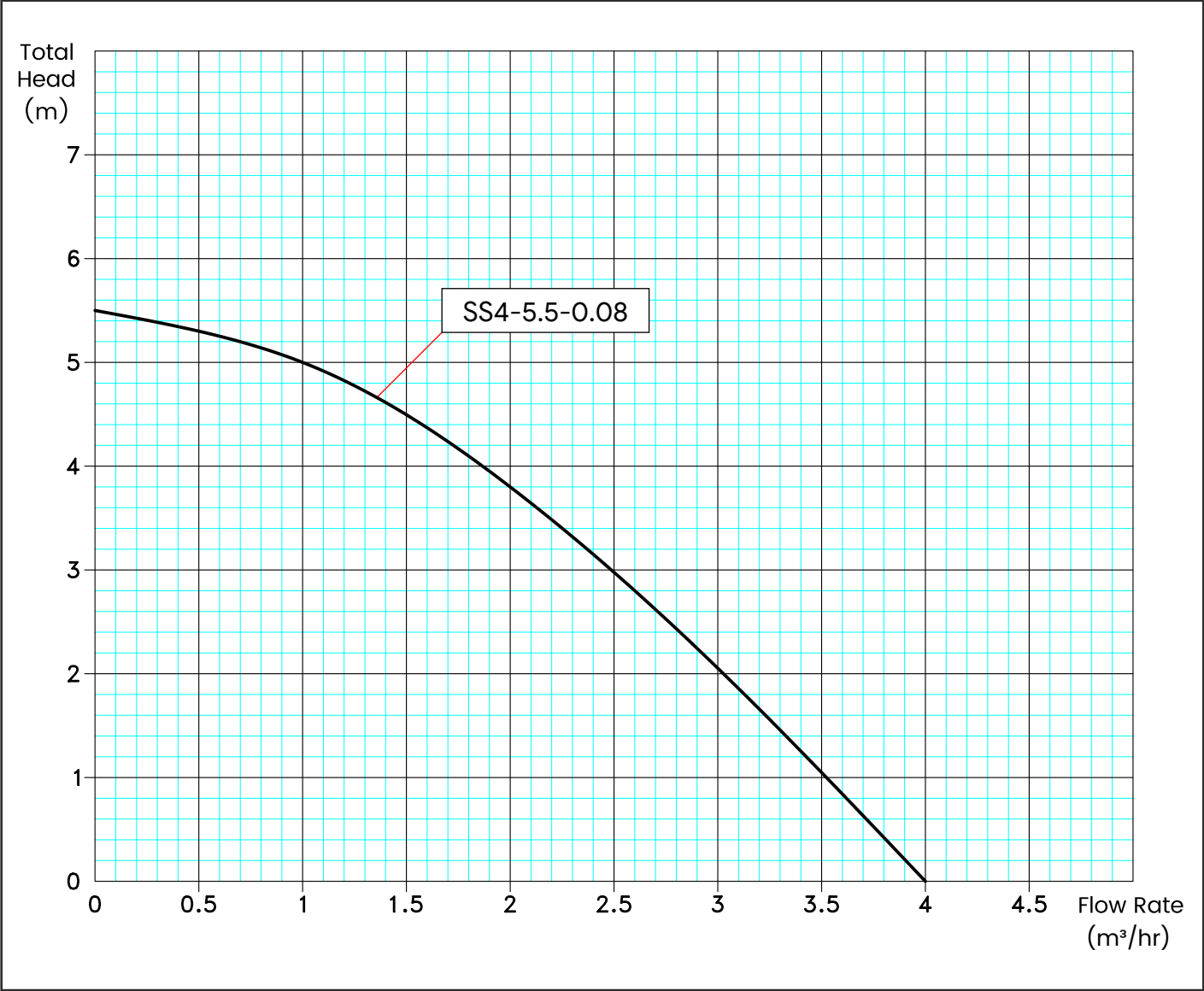
For SSW



| | | | | | | | |
|----|---------------------------|----|----------------------------|----|---------------------------|----|-------------------|
| 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



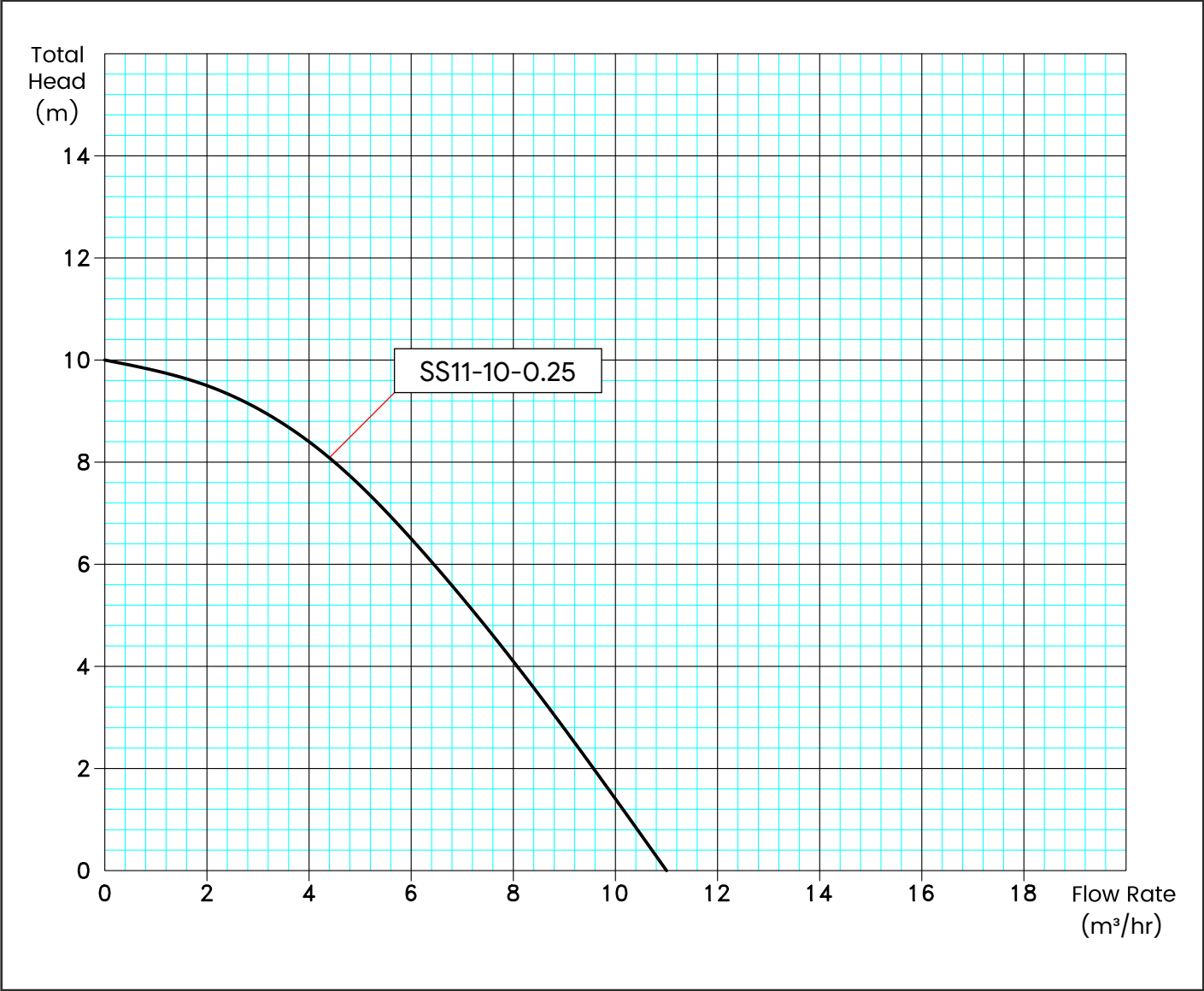
Performance Curve

For SS6-8-0.12



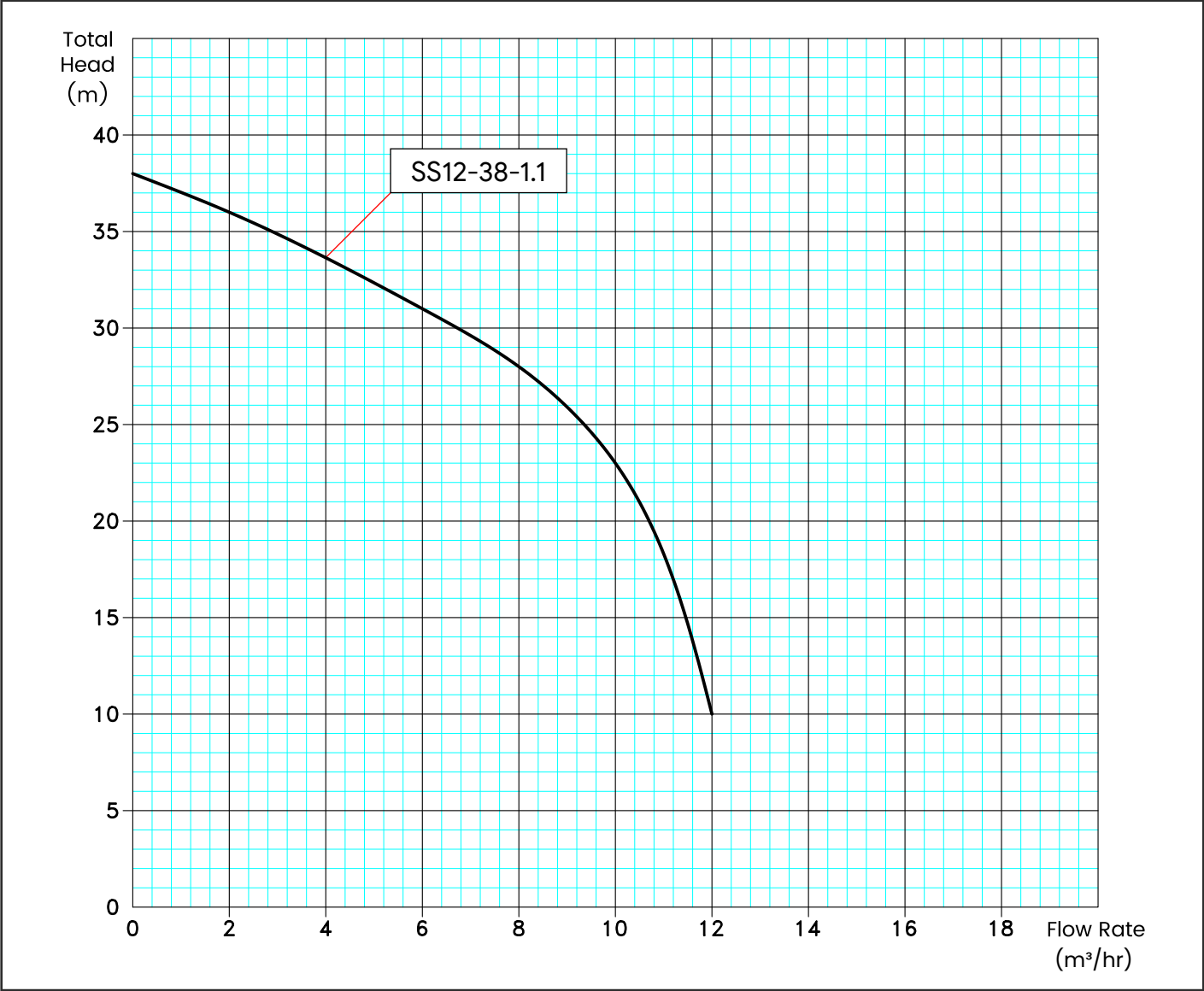
Performance Curve

For SS11-10-0.25



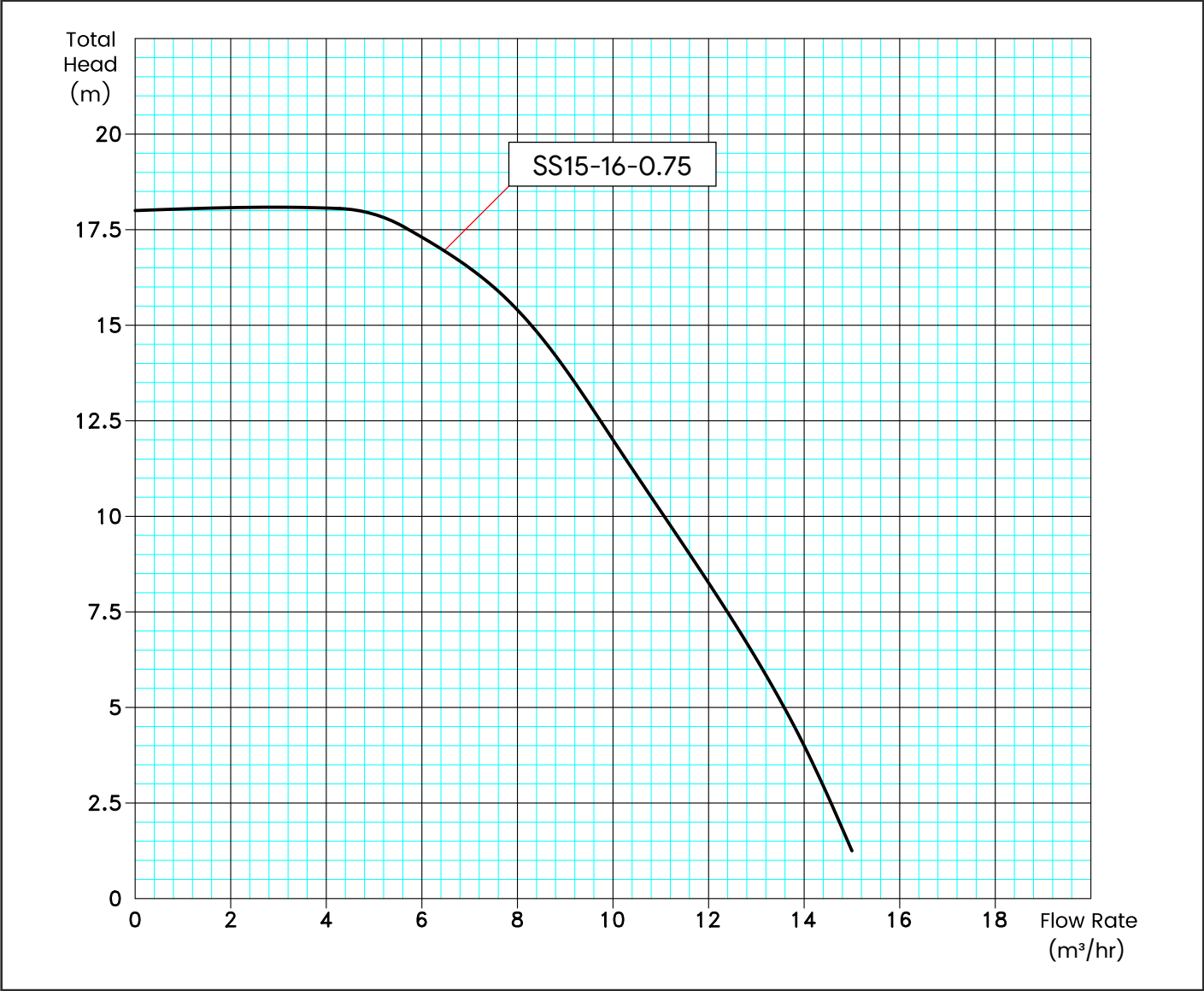
Performance Curve

For SS12-38-1.1



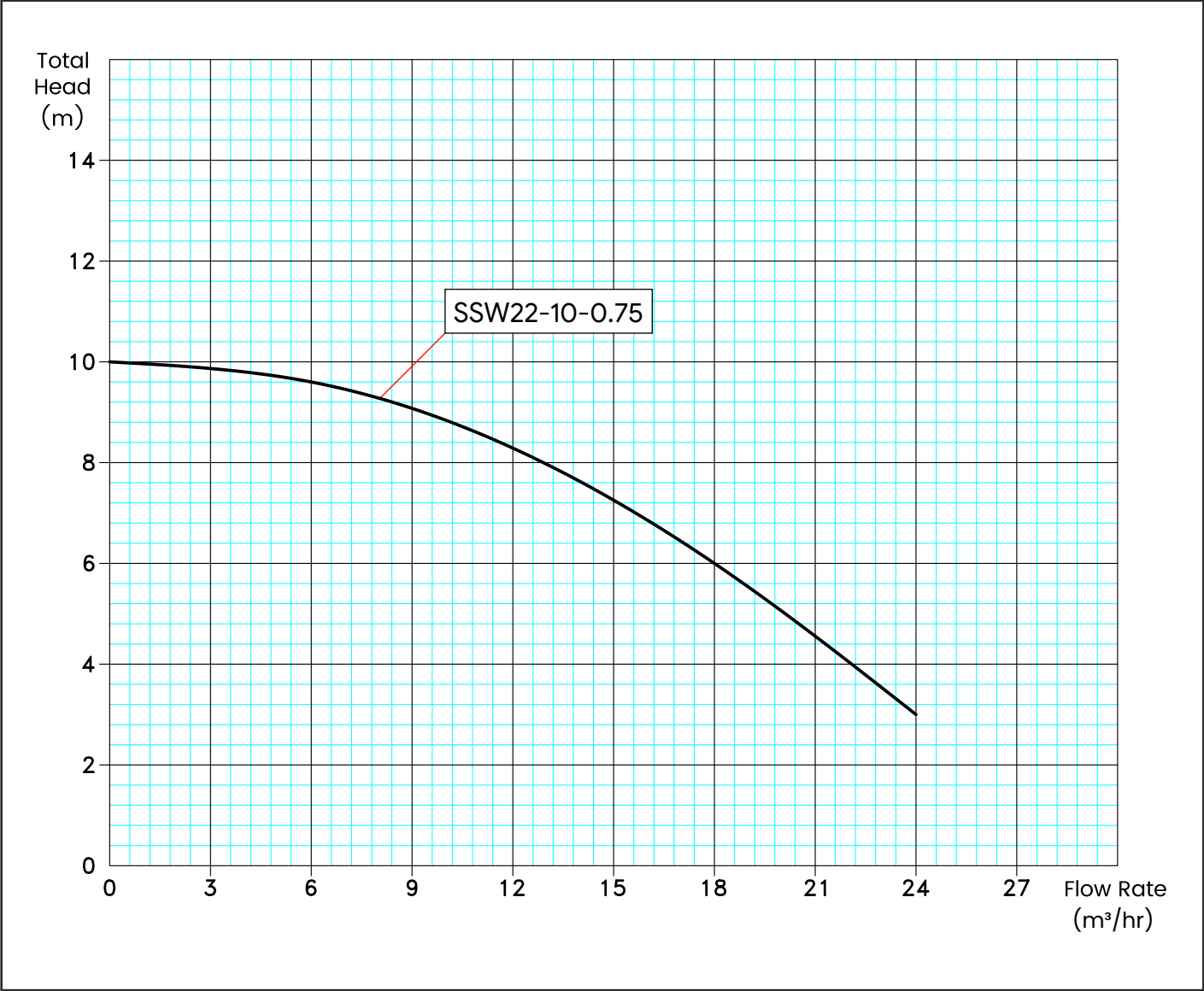
Performance Curve

For SS15-16-0.75



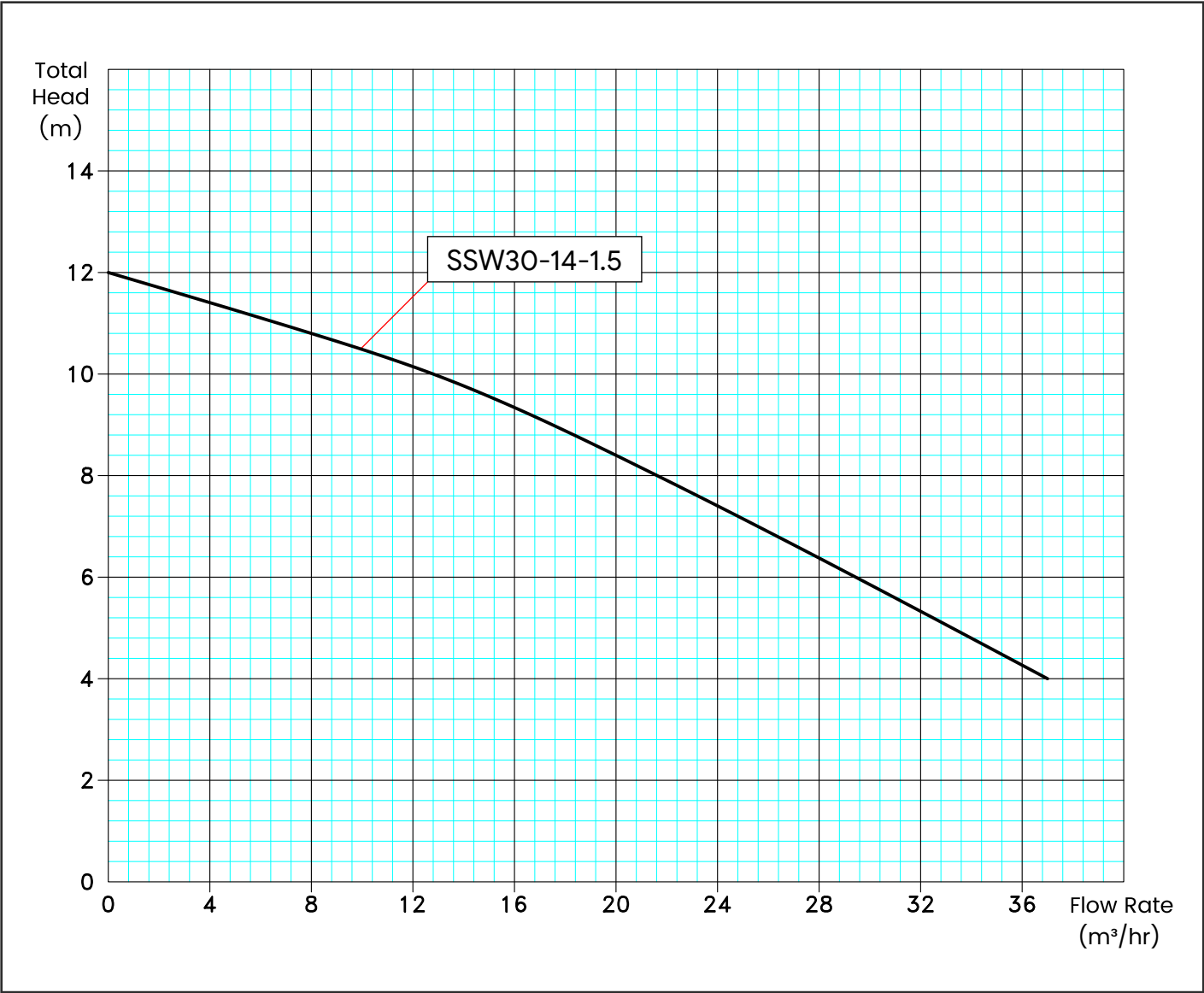
Performance Curve

For SSW22-10-0.75



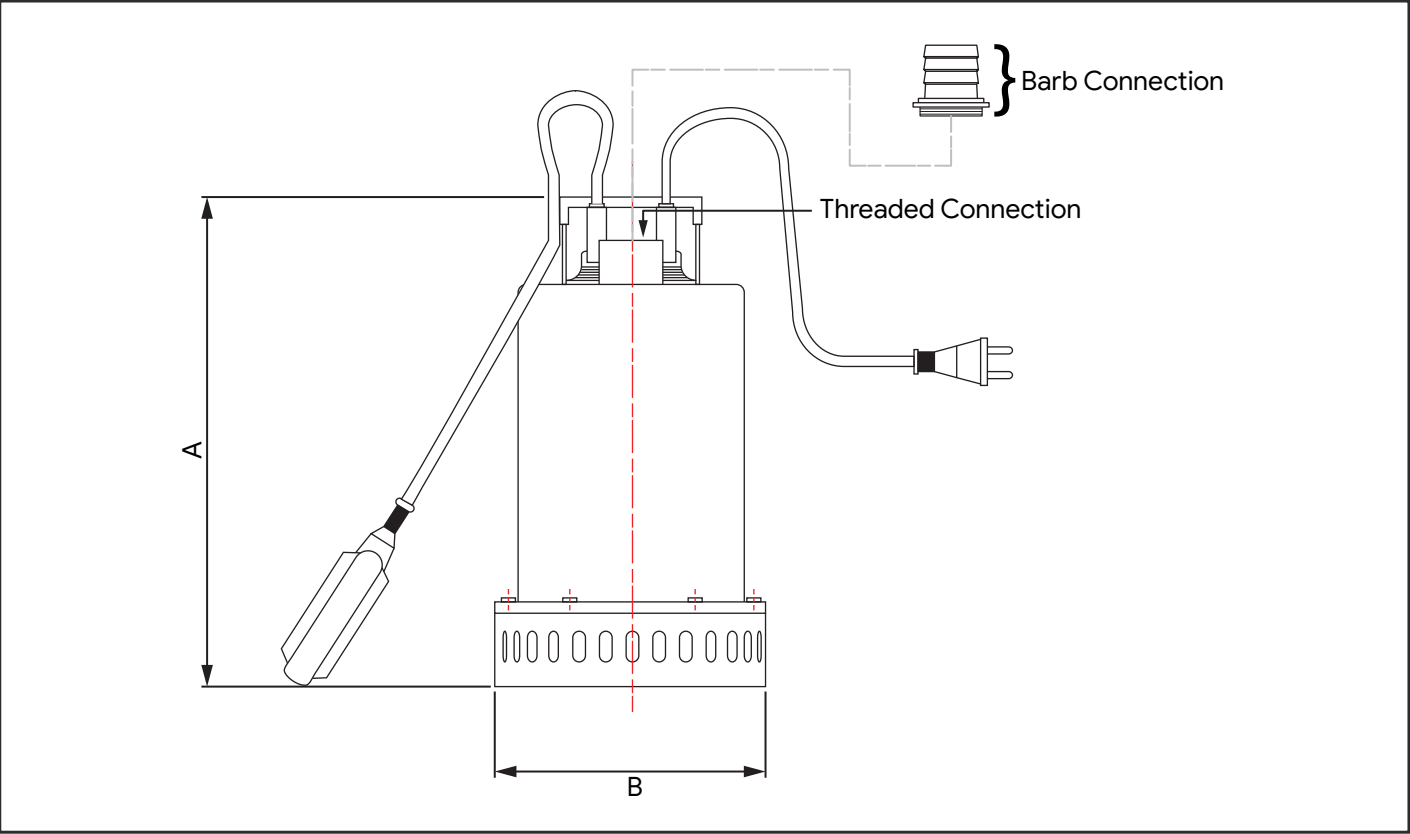
Performance Curve

For SSW30-14-1.5



Dimensional Drawing

For SS Series

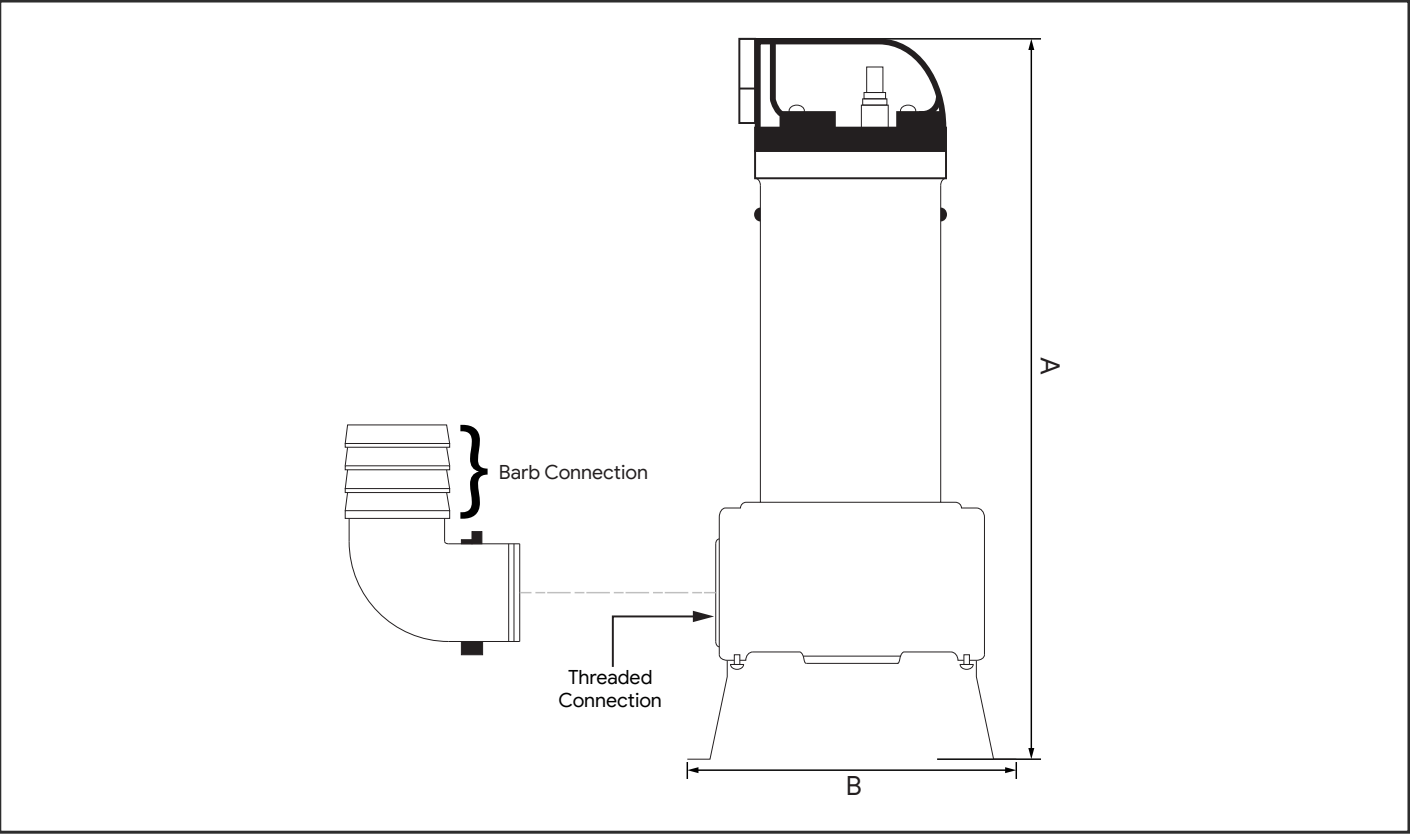


| Pump Model | A | B | Discharge Size | |
|--------------|-------|------|---|---|
| | | | Soft Pipe Installation (Barb Connection) | Hard Pipe Installation (Threaded Connection) |
| SS4-5.5-0.08 | 285 | Ø112 | 1" | ¾" |
| SS6-8-0.12 | 290 | Ø133 | 1" | ¾" |
| SS11-10-0.25 | 330 | Ø152 | 1½" | 1¼" |
| 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

