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# Technical Data

Pump Model
**S6S-18/15**

| | | | |
|---|---|---|---|
| **Project Name** | : Untitled project 2025-03-18 14:14:34.133 | **Project ID** : | |
| **Company Name** | : | | |
| **Department** | : | | |
| **Phone number** | : | | |
| **e-mail address** | : | | |

## Requested Data

| | | | |
|---|---|---|---|
| **Flow** | : 17.06 m³/h | **Fluid** | : Water |
| **Head** | : 141.1 m | **Density** | : 0.9983 kg/dm³ |
| | | **Viscosity** | : 1.005 mm²/s |
| | | **Temperature** | : 20 °C |
| | | **pH-value at t A** | : |
| | | **Vapour pressure at t A** | : 0.0234 bar |

## Pump

| | | | | |
|---|---|---|---|---|
| **Pump Model** | : S6S-18/15 | **Minimum Continuous Flow** | | : 7 m³/h |
| **No. of Stages** | : 15 | **Flow** | **Nominal** | : 17.07 m³/h |
| **Outlet Size** | : 65 | | **Max-** | : 24.01 m³/h |
| **Speed** | : 2900 1/min | | **Min-** | : 7 m³/h |
| **Direction of Rotation** | : Counter clockwise | **Head** | **Nominal** | : 140.3 m |
| **Impeller type** | : Radial impeller | | **Max-** | : 167.1 m |
| **Impeller Design** | : Closed | | **Min-** | : 90.04 m |
| **pump weight(Approx)** | : 21.75 kg | **Efficiency** | **Overall Efficiency** | : 57.85 % |
| **Pump Standard** | : | | **Pump Efficiency** | : 69.7 % |

## Motor

| | | | |
|---|---|---|---|
| **Motor Model** | : W6A-130TN | **Motor Standard** | : |
| **Frequency** | : 50 Hz | **Insulation Class** | : Y |
| **Phase** | : 3~ | **Degree of Protection** | : IP 68 |
| **Rated Voltage** | : 525 V | **Method of Starting** | : Direct starting |
| **Rated current** | : 22.5 A | **Service factor** | : 1 |
| **Rated Power P2** | : 13 kW | **Power factor** | : 0.82 |
| **Speed** | : 2900 1/min | **No.of.starts per hour** | : 20 |
| **Efficiency** | : 83 % | **Starting current** | : |
| **Motor Weight (Approx)** | : 67 kg | **Starting torque** | : |

## Material of Construction

| Pump | | Motor | |
|---|---|---|---|
| **Check Valve Housing** | S.S 304 | **Shaft Seal / Mechanical Seal** | Nitrile Rubber / Ceramic - Carbon |
| **Check Valve Disc** | S.S 304 | **Upper & Lower Housings** | Cast Iron |
| **Check Valve Seat** | Nitrile Butyle Rubber | **Stator Shell** | SS 304 / 441 |
| **Diffuser Chamber** | S.S 304 | **Thrust Pad** | Carbon Graphite |
| **Impeller** | S.S 304 | **Thrust Bearing** | S.S 420 |
| **Split Cone with Nut** | S.S 304 | **Diaphragm** | High Nitrile Rubber |
| **Impeller Wearing / Seal Ring** | Nitrile Butyle Rubber | **Motor Base** | S.S 304 |
| **Upthrust Washer / Stop Ring** | S.S 420 | **Upper Housing Shell** | S.S 304 |
| **Intermediate Bearing** | Nitrile Butyle Rubber | **Shaft** | S.S 431 |
| **Suction Interconnector** | S.S 304 | **Shaft Extension** | 17.4 Ph |
| **Inlet Screen** | S.S 304 | **Sleeves** | S.S 431 |
| **Pump Shaft** | S.S 431 | | |
| **Coupling Splines** | S.S 329 | | |
| **Locking Strap** | S.S 304 | | |
| **Cable Guard** | S.S 304 | | |

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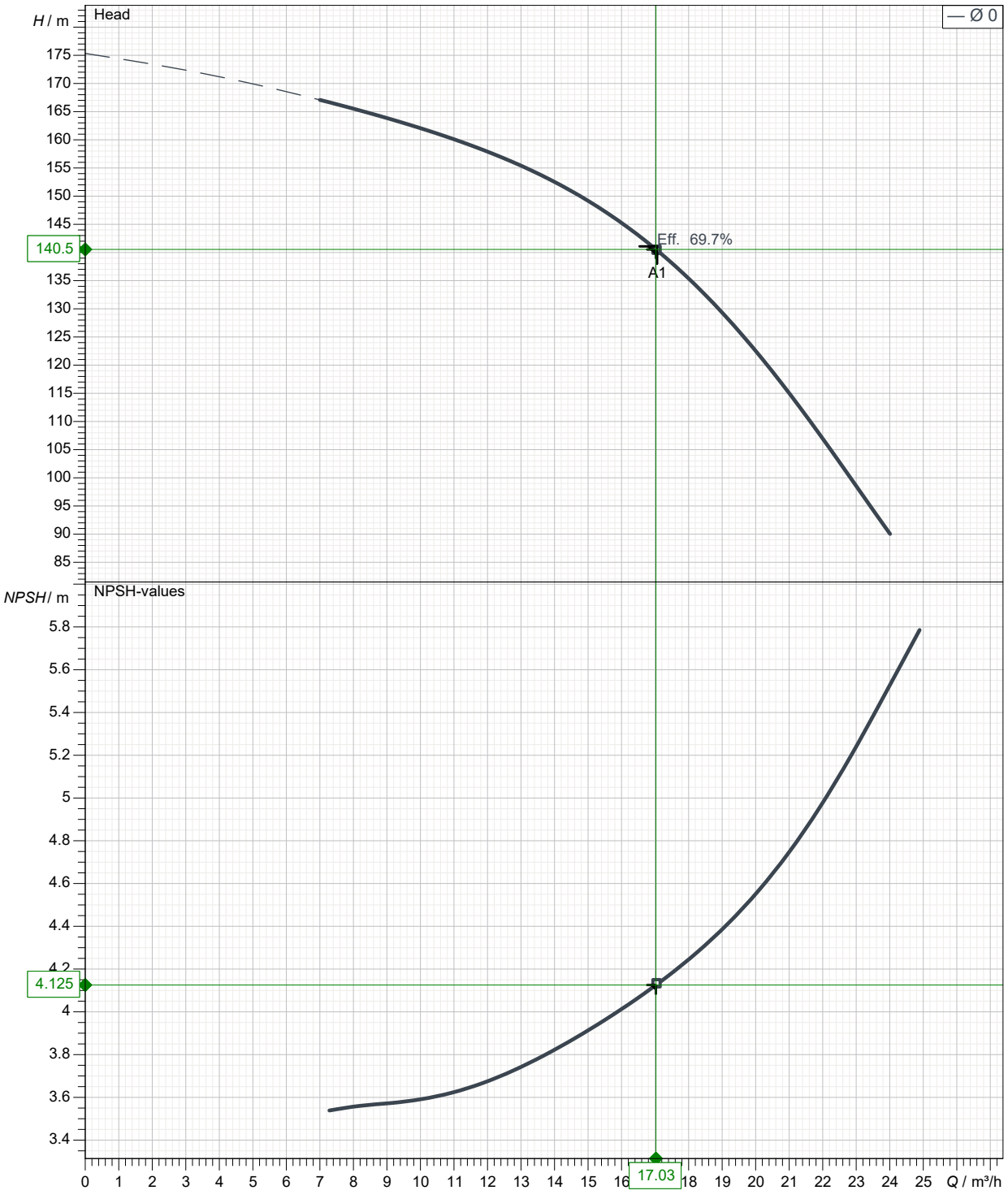
# Performance Curve

Pump Model
**S6S-18/15**

| | |
|---|---|
| **Project Name** : Untitled project 2025-03-18 14:14:34.133 | **Project ID :** |
| **Company Name** :<br>**Department** :<br>**Phone number** :<br>**e-mail address** : | |

**Curve Tolerance** ISO : 9906, Grade-3B

**Speed** 2900 rpm



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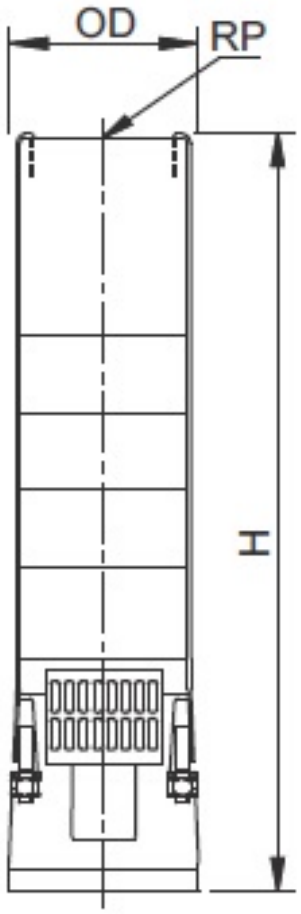
# Dimensional Drawing

Pump Model
**S6S-18/15**

| | | | |
|---|---|---|---|
| **Project Name** | : Untitled project 2025-03-18 14:14:34.133 | **Project ID :** | |
| **Company Name** | : | | |
| **Department** | : | | |
| **Phone number** | : | | |
| **e-mail address** | : | | |




In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

## Dimensions in mm

| | | | |
|---|---|---|---|
| H | 955 | | |
| OD-DOL | 139 | | |
| OD-SD | 143 | | |
| RP | 65 | | |

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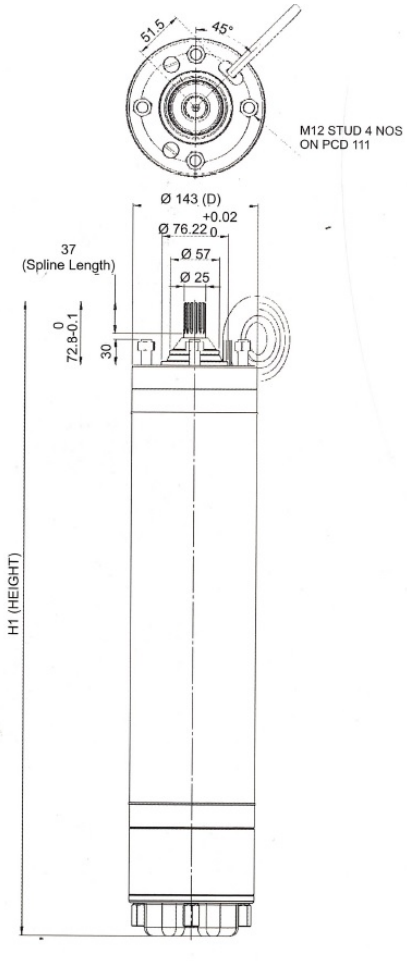
# Dimensional Drawing

Motor Model
**W6A-130TN**

| | | | |
|---|---|---|---|
| **Project Name** | : Untitled project 2025-03-18 14:14:34.133 | **Project ID :** | |
| **Company Name** | : | | |
| **Department** | : | | |
| **Phone number** | : | | |
| **e-mail address** | : | | |




In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

## Dimensions in mm

| | | | |
|---|---|---|---|
| D | 143 | | |
| H1 | 964 | | |