



# Technical Data

|                                                                                                  |                     |
|--------------------------------------------------------------------------------------------------|---------------------|
| <b>Project Name</b> : Untitled project 2025-03-16 09:46:45.143                                   | <b>Project ID</b> : |
| <b>Company Name</b> :<br><b>Department</b> :<br><b>Phone number</b> :<br><b>e-mail address</b> : |                     |

## Requested Data

|                                       |                                             |
|---------------------------------------|---------------------------------------------|
| <b>Flow</b> : 1.572 m <sup>3</sup> /h | <b>Fluid</b> : Water                        |
| <b>Head</b> : 143.6 m                 | <b>Density</b> : 0.9983 kg/dm <sup>3</sup>  |
|                                       | <b>Viscosity</b> : 1.005 mm <sup>2</sup> /s |
|                                       | <b>Temperature</b> : 20 °C                  |
|                                       | <b>pH-value at t A</b> :                    |
|                                       | <b>Vapour pressure at t A</b> : 0.0234 bar  |

## Pump

|                                                  |                                                         |
|--------------------------------------------------|---------------------------------------------------------|
| <b>Pump Model</b> : S4P-1E/34                    | <b>Minimum Continuous Flow</b> : 0.75 m <sup>3</sup> /h |
| <b>No. of Stages</b> : 34                        | <b>Flow Nominal</b> : 1.569 m <sup>3</sup> /h           |
| <b>Outlet Size</b> : 32                          | <b>Max-</b> : 2.124 m <sup>3</sup> /h                   |
| <b>Speed</b> : 2900 1/min                        | <b>Min-</b> : 0.75 m <sup>3</sup> /h                    |
| <b>Direction of Rotation</b> : Counter clockwise | <b>Head Nominal</b> : 143 m                             |
| <b>Impeller type</b> : Radial impeller           | <b>Max-</b> : 201.6 m                                   |
| <b>Impeller Design</b> : Closed                  | <b>Min-</b> : 84.27 m                                   |
| <b>pump weight(Approx)</b> : 12 kg               | <b>Efficiency Overall Efficiency</b> : 41.42 %          |
| <b>Pump Standard</b> :                           | <b>Pump Efficiency</b> : 57.53 %                        |

## Motor

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| <b>Motor Model</b> : L4A-15TI        | <b>Motor Standard</b> :                     |
| <b>Frequency</b> : 50 Hz             | <b>Insulation Class</b> : F                 |
| <b>Phase</b> : 3~                    | <b>Degree of Protection</b> : IP 68         |
| <b>Rated Voltage</b> : 380 V         | <b>Method of Starting</b> : Direct starting |
| <b>Rated current</b> : 4.2 A         | <b>Service factor</b> : 1                   |
| <b>Rated Power P2</b> : 1.5 kW       | <b>Power factor</b> : 0.82                  |
| <b>Speed</b> : 2900 1/min            | <b>No.of.starts per hour</b> : 30           |
| <b>Efficiency</b> : 72 %             | <b>Starting current</b> :                   |
| <b>Motor Weight (Approx)</b> : 11 kg | <b>Starting torque</b> :                    |

## Material of Construction

| Pump                                        |                       | Motor                  |                     |
|---------------------------------------------|-----------------------|------------------------|---------------------|
| <b>Check Valve Housing</b>                  | S.S 304               | <b>Outer Shell</b>     | S.S 304             |
| <b>Check Valve</b>                          | Delrin                | <b>Shaft Extension</b> | 17-4 PH             |
| <b>Check Valve Seat</b>                     | Nitrile Butyle Rubber | <b>O Ring</b>          | High Nitrile Rubber |
| <b>Outer Shell</b>                          | S.S 304               | <b>MECHANICAL SEAL</b> | Carbon / Ceramic    |
| <b>Impeller</b>                             | NORYL                 | <b>Diaphragm</b>       | High Nitrile Rubber |
| <b>Diffuser Chamber</b>                     | Lexan                 | <b>Cable</b>           | TPE / EPDM          |
| <b>Stop Ring</b>                            | Hylem                 |                        |                     |
| <b>Intermediate Bearing (Sleeve / Ball)</b> | S.S 304               |                        |                     |
| <b>Suction Interconnector</b>               | S.S 304               |                        |                     |
| <b>Inlet Screen</b>                         | S.S 304               |                        |                     |
| <b>Pump Shaft Hexagonal</b>                 | S.S 431               |                        |                     |
| <b>Cable Guard</b>                          | S.S 304               |                        |                     |
| <b>Coupling Splines</b>                     | S.S 329               |                        |                     |



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Pumping trust. Worldwide.

# Performance Curve

Pump Model  
**S4P-1E/34**

**Project Name** : Untitled project 2025-03-16 09:46:45.143

**Project ID** :

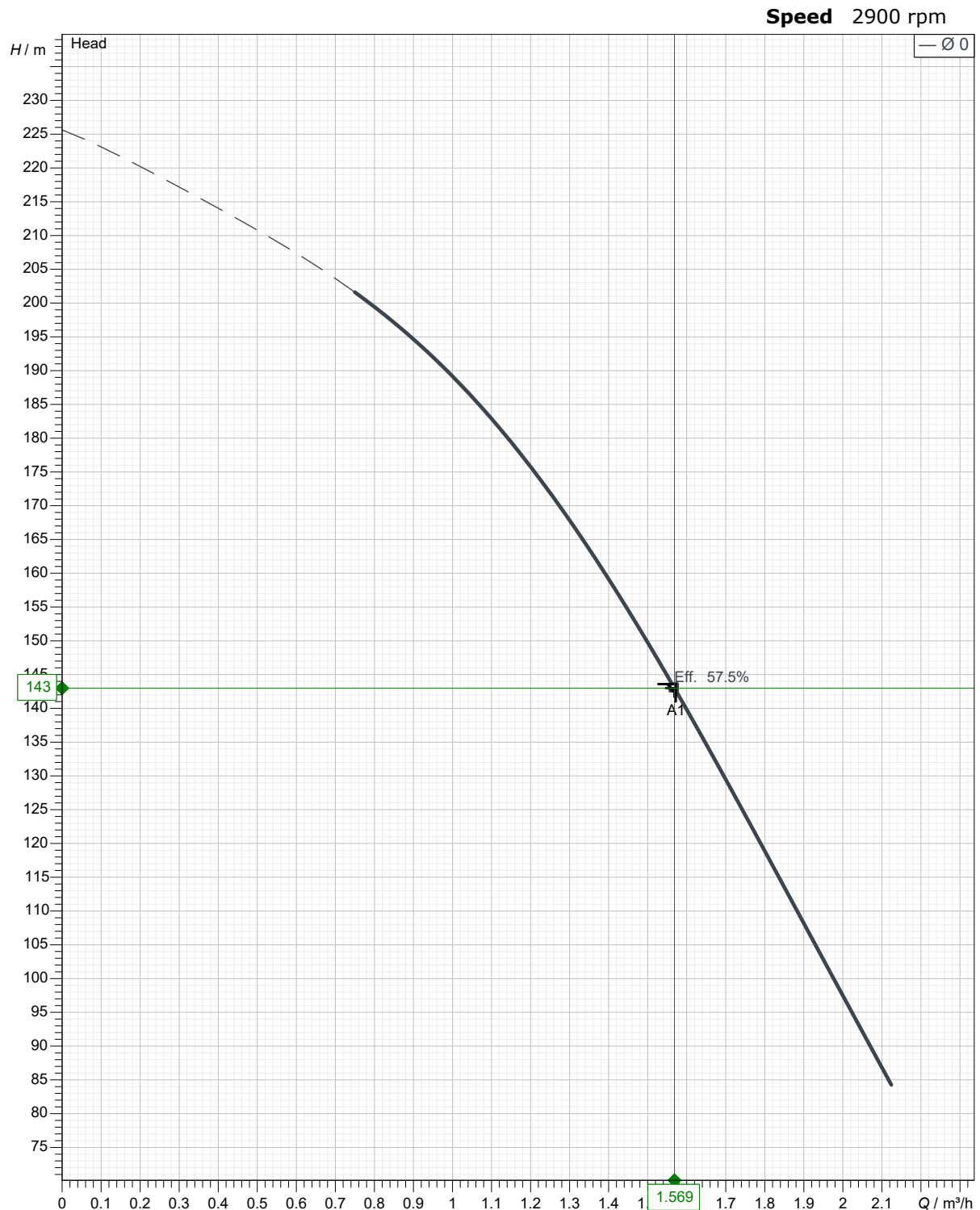
**Company Name** :

**Department** :

**Phone number** :

**e-mail address** :

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



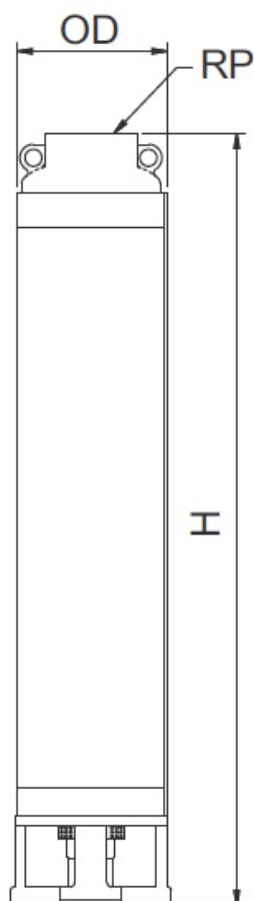


Pump Model  
**S4P-1E/34**

**Project Name** : Untitled project 2025-03-16 09:46:45.143

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

### Dimensions in mm

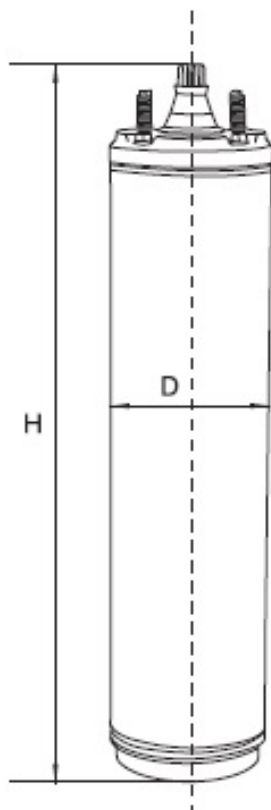
|               |                  |  |  |
|---------------|------------------|--|--|
| H<br>OD<br>RP | 1058<br>98<br>32 |  |  |
|---------------|------------------|--|--|



Motor Model  
**L4A-15TI**

**Project ID :**

**Company Name** :  
**Department** :  
**Phone number** :  
**e-mail address** :



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|        |           |  |  |
|--------|-----------|--|--|
| D<br>H | 95<br>482 |  |  |
|--------|-----------|--|--|