



**C.R.I. PUMPS**  
Pumping trust. Worldwide.

# Technical Data

Pump Model  
**S4P-2/30**

|                                                                                                  |                     |
|--------------------------------------------------------------------------------------------------|---------------------|
| <b>Project Name</b> : Untitled project 2025-03-17 15:26:26.478                                   | <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> : 2.037 m <sup>3</sup> /h | <b>Fluid</b> : Water                        |
| <b>Head</b> : 172.2 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-2/30                     | <b>Minimum Continuous Flow</b> : 1.1 m <sup>3</sup> /h |
| <b>No. of Stages</b> : 30                        | <b>Flow Nominal</b> : 2.035 m <sup>3</sup> /h          |
| <b>Outlet Size</b> : 32                          | <b>Max-</b> : 3.001 m <sup>3</sup> /h                  |
| <b>Speed</b> : 2900 1/min                        | <b>Min-</b> : 1.1 m <sup>3</sup> /h                    |
| <b>Direction of Rotation</b> : Counter clockwise | <b>Head Nominal</b> : 171.5 m                          |
| <b>Impeller type</b> : Radial impeller           | <b>Max-</b> : 229.3 m                                  |
| <b>Impeller Design</b> : Closed                  | <b>Min-</b> : 92.91 m                                  |
| <b>pump weight(Approx)</b> : 10.5 kg             | <b>Efficiency Overall Efficiency</b> : 39.37 %         |
| <b>Pump Standard</b> :                           | <b>Pump Efficiency</b> : 54.69 %                       |

## Motor

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| <b>Motor Model</b> : W4A-30TK          | <b>Motor Standard</b> :                     |
| <b>Frequency</b> : 50 Hz               | <b>Insulation Class</b> : Y                 |
| <b>Phase</b> : 3~                      | <b>Degree of Protection</b> : IP 58         |
| <b>Rated Voltage</b> : 415 V           | <b>Method of Starting</b> : Direct starting |
| <b>Rated current</b> : 8.5 A           | <b>Service factor</b> : 1                   |
| <b>Rated Power P2</b> : 3 kW           | <b>Power factor</b> : 0.72                  |
| <b>Speed</b> : 2900 1/min              | <b>No.of.starts per hour</b> : 20           |
| <b>Efficiency</b> : 72 %               | <b>Starting current</b> :                   |
| <b>Motor Weight (Approx)</b> : 29.5 kg | <b>Starting torque</b> :                    |

## Material of Construction

| Pump                                      |                       | Motor                 |                     |
|-------------------------------------------|-----------------------|-----------------------|---------------------|
| <b>Check Valve Housing</b>                | S.S 304               | <b>Shaft Seal</b>     | NITRILE RUBBER      |
| <b>Check Valve</b>                        | Delrin                | <b>Housing Shell</b>  | S.S 304             |
| <b>Check Valve Seat</b>                   | Nitrile Butyle Rubber | <b>Stator Shell</b>   | S.S 304 / 441       |
| <b>Outer Shell</b>                        | S.S 304               | <b>Thrust Pad</b>     | Carbon Graphite     |
| <b>Impeller</b>                           | NORYL                 | <b>Thrust Bearing</b> | S.S 420             |
| <b>Diffuser Chamber</b>                   | Lexan                 | <b>Diaphragm</b>      | High Nitrile Rubber |
| <b>Stop Ring</b>                          | Hylem                 | <b>Motor Base</b>     | S.S 304             |
| <b>Intermediate Bearing (Sleeve / Bt)</b> | S.S 304               | <b>Bush</b>           | LTB                 |
| <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               |                       |                     |



**C.R.I. PUMPS**  
Pumping trust. Worldwide.

# Performance Curve

Pump Model  
**S4P-2/30**

**Project Name** : Untitled project 2025-03-17 15:26:26.478

**Project ID** :

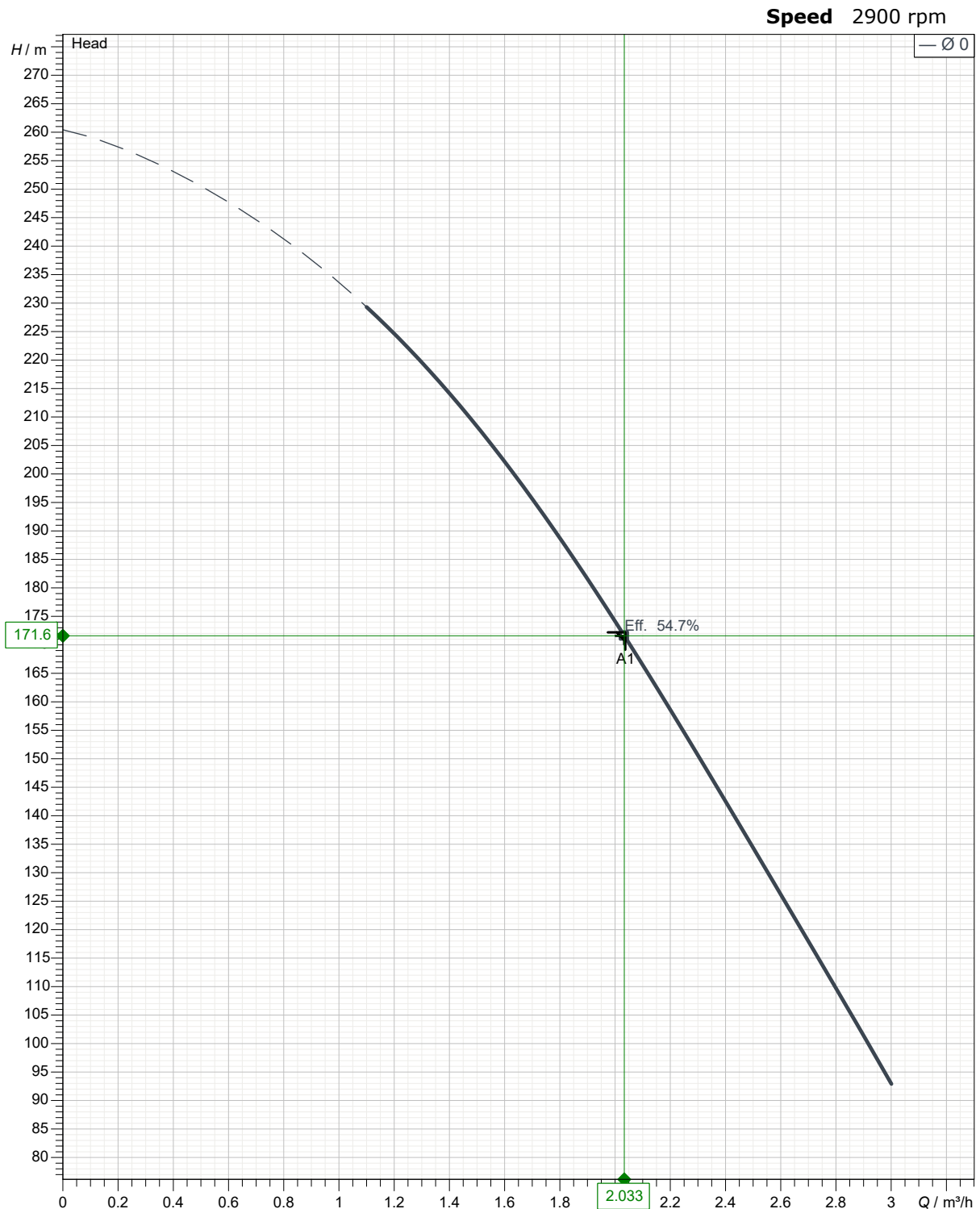
**Company Name** :

**Department** :

**Phone number** :

**e-mail address** :

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



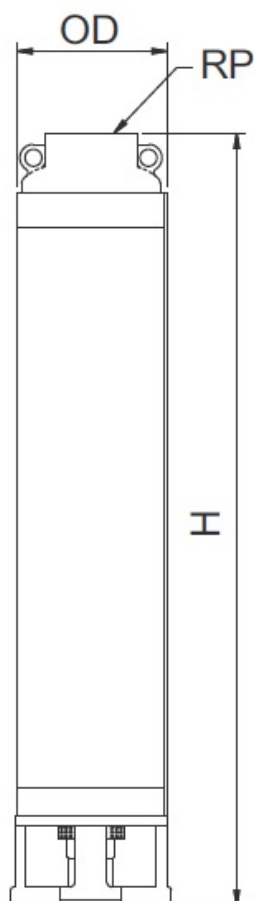


Pump Model  
**S4P-2/30**

**Project Name** : Untitled project 2025-03-17 15:26:26.478

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<br>OD<br>RP | 1006<br>98<br>32 |  |  |
|---------------|------------------|--|--|



|                                                                                                  |                     |
|--------------------------------------------------------------------------------------------------|---------------------|
| <b>Project Name</b> : Untitled project 2025-03-17 15:26:26.478                                   | <b>Project ID</b> : |
| <b>Company Name</b> :<br><b>Department</b> :<br><b>Phone number</b> :<br><b>e-mail address</b> : |                     |

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

## Dimensions in mm

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