



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

# Technical Data

Pump Model

**S4P-8/06**

**Project Name** : Untitled project 2025-03-18 07:49:45.857

**Project ID** :

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

## Requested Data

|             |                           |                               |                             |
|-------------|---------------------------|-------------------------------|-----------------------------|
| <b>Flow</b> | : 8.195 m <sup>3</sup> /h | <b>Fluid</b>                  | : Water                     |
| <b>Head</b> | : 26.52 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-8/06            | <b>Minimum Continuous Flow</b>       | : 4 m <sup>3</sup> /h     |
| <b>No. of Stages</b>         | : 6                   | <b>Flow Nominal</b>                  | : 8.19 m <sup>3</sup> /h  |
| <b>Outlet Size</b>           | : 50                  | <b>Max-</b>                          | : 11.98 m <sup>3</sup> /h |
| <b>Speed</b>                 | : 2900 1/min          | <b>Min-</b>                          | : 4 m <sup>3</sup> /h     |
| <b>Direction of Rotation</b> | : Counter clockwise   | <b>Head Nominal</b>                  | : 26.14 m                 |
| <b>Impeller type</b>         | : Mixed Flow impeller | <b>Max-</b>                          | : 33.92 m                 |
| <b>Impeller Design</b>       | : Closed              | <b>Min-</b>                          | : 11.66 m                 |
| <b>pump weight(Approx)</b>   | : 4.4 kg              | <b>Efficiency Overall Efficiency</b> | : 44.13 %                 |
| <b>Pump Standard</b>         | :                     | <b>Pump Efficiency</b>               | : 63.95 %                 |

## Motor

|                              |              |                              |                   |
|------------------------------|--------------|------------------------------|-------------------|
| <b>Motor Model</b>           | : W4A-15TK   | <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>         | : 4.2 A      | <b>Service factor</b>        | : 1               |
| <b>Rated Power P2</b>        | : 1.5 kW     | <b>Power factor</b>          | : 0.79            |
| <b>Speed</b>                 | : 2900 1/min | <b>No.of.starts per hour</b> | : 20              |
| <b>Efficiency</b>            | : 69 %       | <b>Starting current</b>      | :                 |
| <b>Motor Weight (Approx)</b> | : 17.1 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 / Ball)</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               |                       |                     |



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# Performance Curve

Pump Model  
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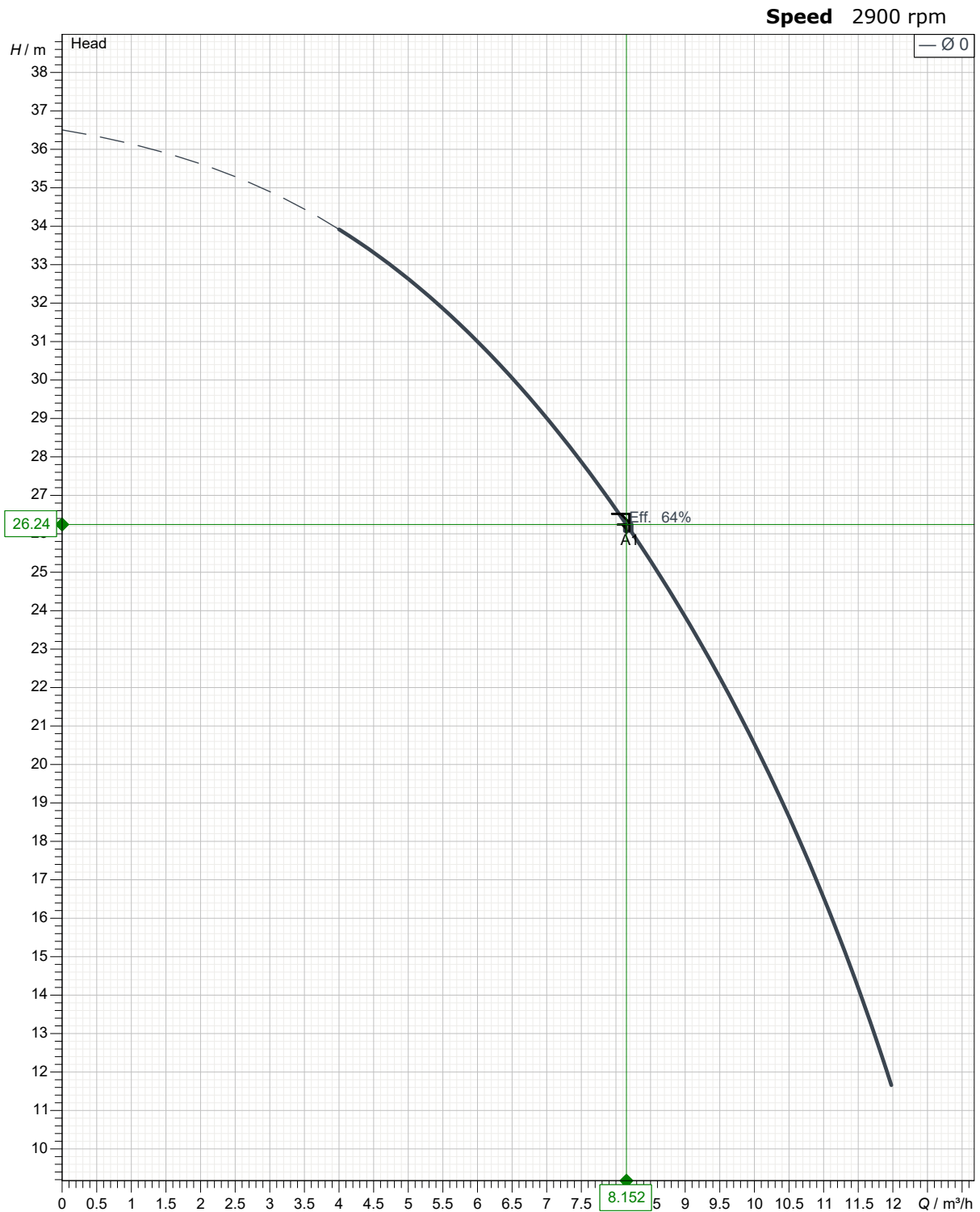
**Company Name** :

**Department** :

**Phone number** :

**e-mail address** :

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

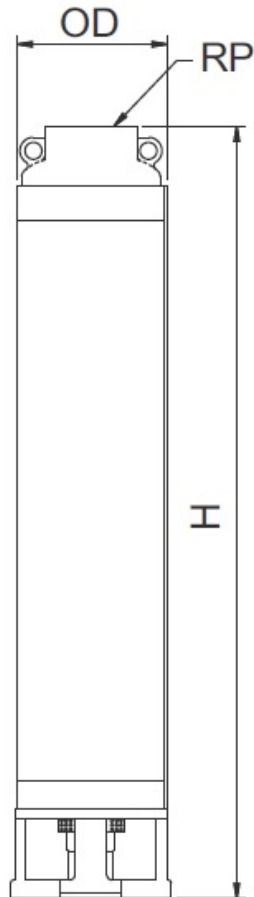




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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

## Dimensions in mm

|    |     |
|----|-----|
| H  | 436 |
| OD | 98  |
| RP | 50  |



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# Dimensional Drawing

Motor Model  
**W4A-15TK**

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## Dimensions in mm

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