



# Technical Data

|                                                                                                  |                     |
|--------------------------------------------------------------------------------------------------|---------------------|
| <b>Project Name</b> : Untitled project 2025-03-18 12:11:26.344                                   | <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> : 11.7 m <sup>3</sup> /h | <b>Fluid</b> : Water                        |
| <b>Head</b> : 65.46 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> : S4S-14/13                    | <b>Minimum Continuous Flow</b> : 4 m <sup>3</sup> /h |
| <b>No. of Stages</b> : 13                        | <b>Flow Nominal</b> : 11.7 m <sup>3</sup> /h         |
| <b>Outlet Size</b> : 50                          | <b>Max-</b> : 18.98 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> : 65.13 m                        |
| <b>Impeller type</b> : Radial impeller           | <b>Max-</b> : 82.4 m                                 |
| <b>Impeller Design</b> : Closed                  | <b>Min-</b> : 29.98 m                                |
| <b>pump weight(Approx)</b> : 11.89 kg            | <b>Efficiency Overall Efficiency</b> : 43.88 %       |
| <b>Pump Standard</b> :                           | <b>Pump Efficiency</b> : 58.51 %                     |

## Motor

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| <b>Motor Model</b> : L4A-55TK        | <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> : 415 V         | <b>Method of Starting</b> : Direct starting |
| <b>Rated current</b> : 14.5 A        | <b>Service factor</b> : 1                   |
| <b>Rated Power P2</b> : 5.5 kW       | <b>Power factor</b> : 0.74                  |
| <b>Speed</b> : 2900 1/min            | <b>No.of.starts per hour</b> : 30           |
| <b>Efficiency</b> : 75 %             | <b>Starting current</b> :                   |
| <b>Motor Weight (Approx)</b> : 25 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 Disc</b>             | S.S 304                       | <b>Shaft Extension</b> | 17-4 PH             |
| <b>Check Valve Seat</b>             | NBR/Viton                     | <b>O Ring</b>          | High Nitrile Rubber |
| <b>Diffuser Chamber</b>             | S.S 304                       | <b>MECHANICAL SEAL</b> | Carbon / Ceramic    |
| <b>Impeller</b>                     | S.S 304                       | <b>Diaphragm</b>       | High Nitrile Rubber |
| <b>Split Cone with Nut</b>          | S.S 304                       | <b>Cable</b>           | TPE / EPDM          |
| <b>Impeller Wearing / Seal Ring</b> | NBR/Viton                     |                        |                     |
| <b>Upthrust Washer / Stop Ring</b>  | S.S 304/Teflon,S.S 420/Bronze |                        |                     |
| <b>Intermediate Bearing</b>         | NBR/Viton                     |                        |                     |
| <b>Suction Interconnector</b>       | S.S 304                       |                        |                     |
| <b>Inlet Screen</b>                 | S.S 304                       |                        |                     |
| <b>Pump Shaft</b>                   | S.S 304                       |                        |                     |
| <b>Coupling Splines</b>             | S.S 329                       |                        |                     |
| <b>Locking Strap</b>                | S.S 304                       |                        |                     |
| <b>Cable Guard</b>                  | S.S 304                       |                        |                     |



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

# Performance Curve

Pump Model  
**S4S-14/13**

**Project Name** : Untitled project 2025-03-18 12:11:26.344

**Project ID** :

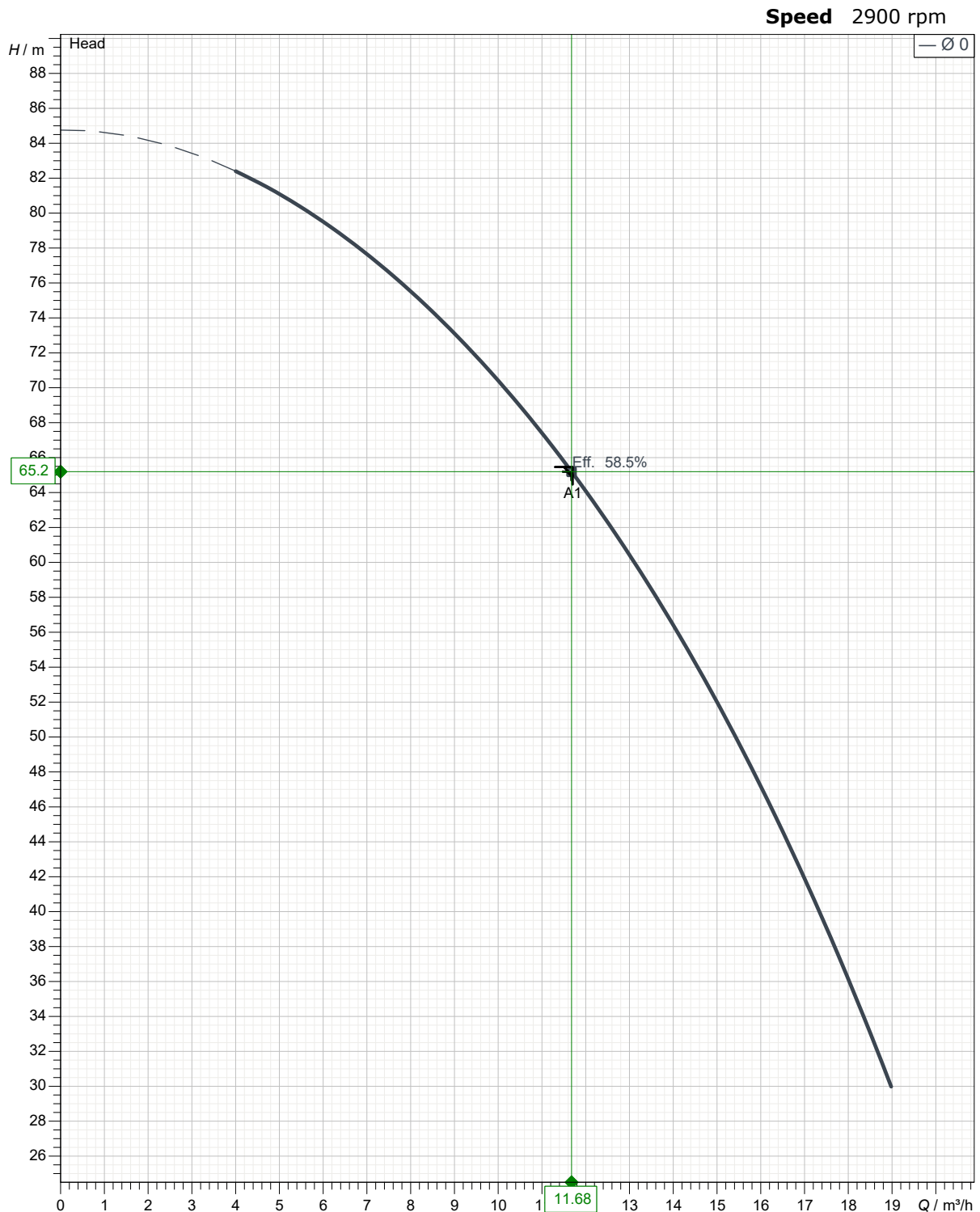
**Company Name** :

**Department** :

**Phone number** :

**e-mail address** :

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

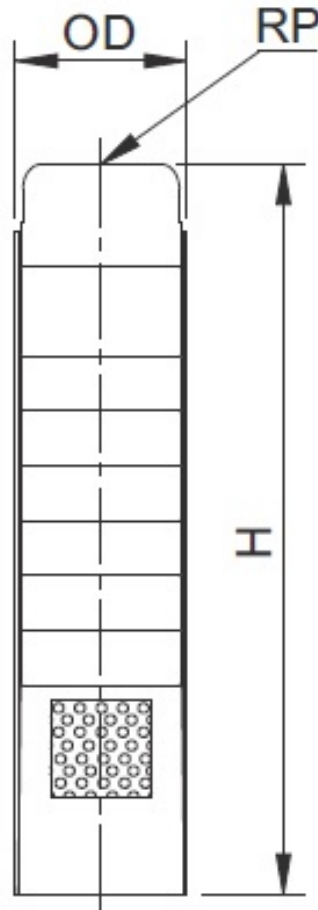




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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

## Dimensions in mm

|    |      |
|----|------|
| H  | 1093 |
| OD | 97   |
| RP | 50   |



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# Dimensional Drawing

Motor Model  
**L4A-55TK**

|                                                                                                  |                     |
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## Dimensions in mm

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