



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

# Technical Data

Pump Model  
**MVS-3/25T**

|                                                                                                  |                     |
|--------------------------------------------------------------------------------------------------|---------------------|
| <b>Project Name</b> : Untitled project 2025-02-14 07:11:00.199                                   | <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> : 2.803 m <sup>3</sup> /h<br><b>Head</b> : 132.2 m | <b>Fluid</b> : Water<br><b>Density</b> : 0.9983 kg/dm <sup>3</sup><br><b>Viscosity</b> : 1.005 mm <sup>2</sup> /s<br><b>Temperature</b> : 20 °C<br><b>Vapour pressure at t A</b> : 0.0234 bar |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Pump

## Operating Data

|                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Pump Model</b> : MVS-3/25T<br><b>No. of Stages</b> : 25<br><b>Inlet / Outlet size</b> : 25<br><b>Speed</b> : 2900 1/min<br><b>Direction of Rotation</b> : Counter clockwise<br><b>Impeller type</b> : Radial impeller<br><b>Impeller Design</b> : Closed<br><b>Pump Weight (Approx)</b> : 28.8 kg<br><b>Pump Standard</b> : CRI Standard | <b>Flow</b> : 2.796 m <sup>3</sup> /h<br><b>Head</b> : 131.6 m<br><b>Shutoff Head</b> : 168.3 m<br><b>Efficiency</b> : 57.34 % |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|

## Motor

|                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Motor Model</b> : MV 3P 3.0HP (IE2)<br><b>Frequency/Efficiency class</b> : 50 Hz IE2 = High Efficiency<br><b>Rated Voltage</b> : 380V-415V $\Delta$ / 220V-240V $\Delta$<br><b>Rated current</b> : 5.0A / 8.7A<br><b>Phase / Rated Power P2</b> : 3~ 2.2 kW<br><b>Speed</b> : 2810 1/min<br><b>Efficiency</b> : 83.2 %<br><b>Motor Weight (Approx)</b> : 16.7 kg<br><b>Motor Standard</b> : IEC-60034-30 / IS-12615 | <b>Insulation Class</b> : F<br><b>Frame size</b> : 90<br><b>Degree of Protection</b> : IP 55<br><b>Method of Starting</b> : Direct starting<br><b>Service factor</b> : 1<br><b>Power factor</b> : 0.76 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Material of Construction

## Flange Connections

|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pump Outer Shell</b> : AISI 304<br><b>Pump Head</b> : C.I<br><b>Pump Head Cover</b> : AISI 304<br><b>Pump Base</b> : AISI 304<br><b>Base Plate</b> : C.I<br><b>Impeller</b> : AISI 304<br><b>MECHANICAL SEAL</b> : SiC/SiC/FKM<br><b>Bush</b> : SiC / SiC<br><b>Diffuser (Chamber)</b> : AISI 304<br><b>Pump Shaft</b> : AISI 431<br><b>Wearing Ring</b> : Teflon<br><b>O Ring</b> : EPDM<br><b>Coupling</b> : Mild Steel | <b>Suction Flange</b><br><b>Pressure rating</b> : PN 25<br><b>Nominal pipe size</b> : DN 25<br><b>Standard</b> : DIN EN 1092-1:2008-09<br><br><b>Discharge Flange</b><br><b>Pressure rating</b> : PN 25<br><b>Nominal pipe size</b> : DN 25<br><b>Standard</b> : DIN EN 1092-1:2008-09 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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

# Performance Curve

Pump Model  
**MVS-3/25T**

**Project Name** : Untitled project 2025-02-14 07:11:00.199

**Project ID** :

**Company Name** :

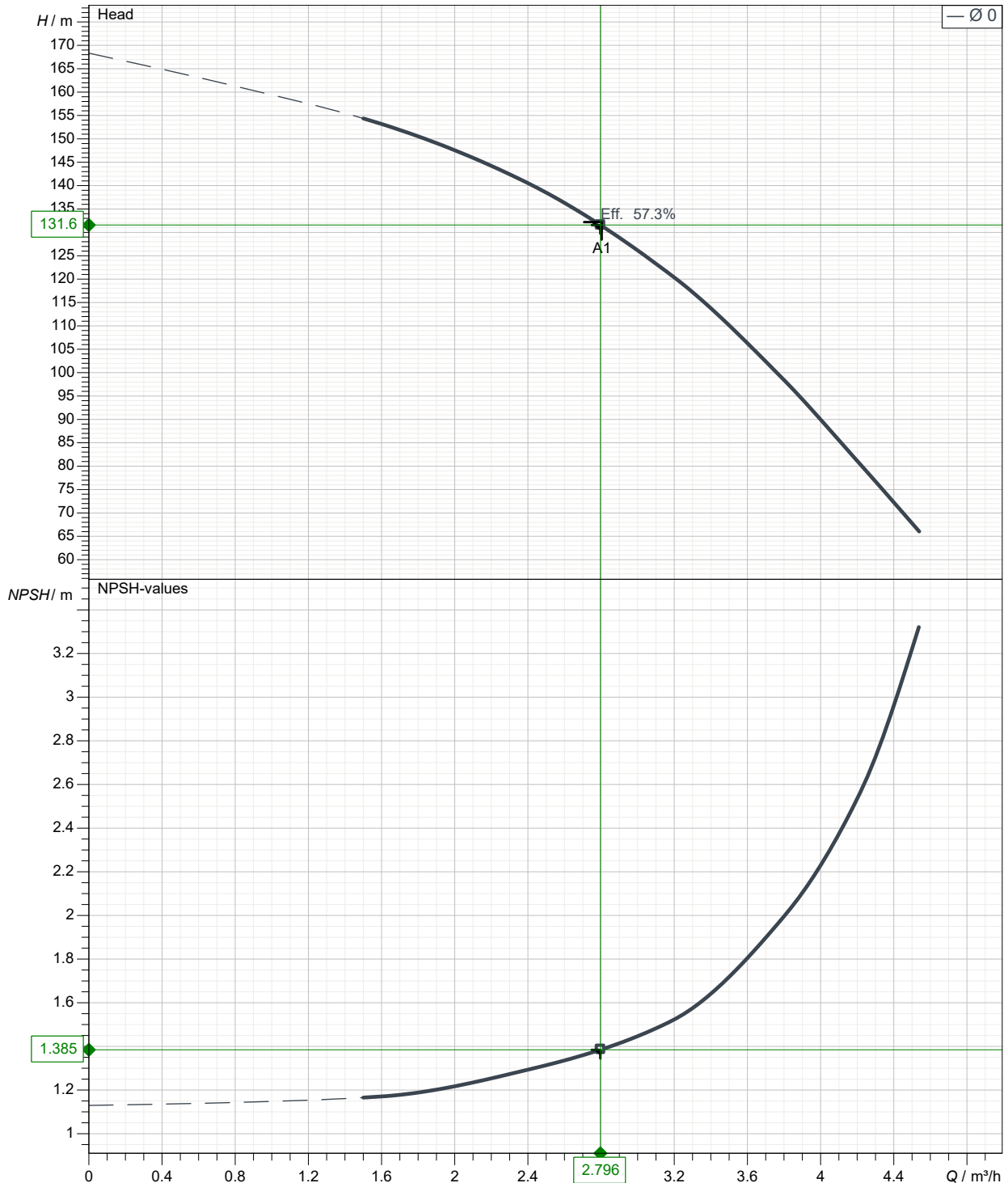
**Department** :

**Phone number** :

**e-mail address** :

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

**Speed** 2900 rpm

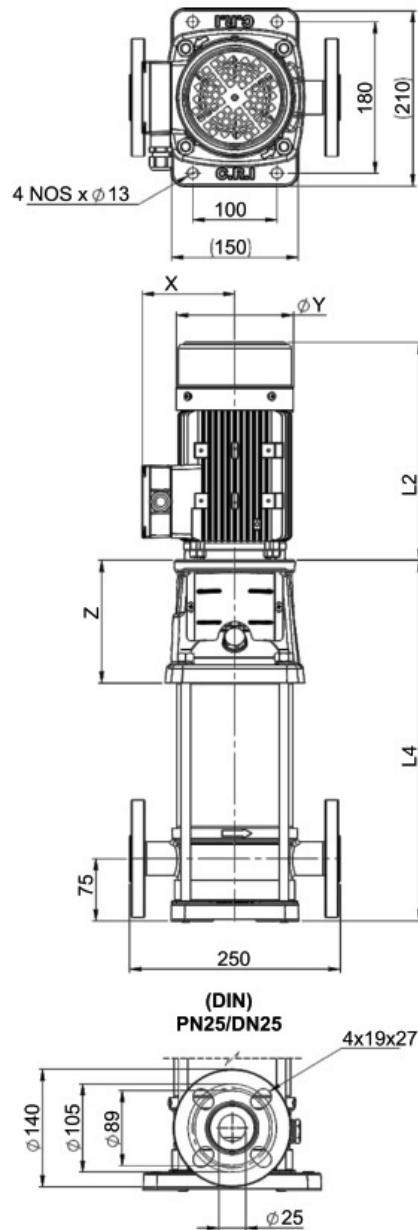




**Project Name** : Untitled project 2025-02-14 07:11:00.199

**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 inmm

|    |     |  |  |
|----|-----|--|--|
| L2 | 303 |  |  |
| L4 | 705 |  |  |
| X  | 125 |  |  |
| Y  | 176 |  |  |
| Z  | 163 |  |  |