



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

# Technical Data

Pump Model  
**MVS-5/22T**

|                                                                                                  |                     |
|--------------------------------------------------------------------------------------------------|---------------------|
| <b>Project Name</b> : Untitled project 2025-03-17 22:59:31.006                                   | <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> : 5.012 m <sup>3</sup> /h<br><b>Head</b> : 129.1 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

|                                                                                                                                                                                                                                                                                                                                           |                                                                                                                              |
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| <b>Pump Model</b> : MVS-5/22T<br><b>No. of Stages</b> : 22<br><b>Inlet / Outlet size</b> : 32<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> : 37 kg<br><b>Pump Standard</b> : CRI Standard | <b>Flow</b> : 4.991 m <sup>3</sup> /h<br><b>Head</b> : 128 m<br><b>Shutoff Head</b> : 153.9 m<br><b>Efficiency</b> : 61.69 % |
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## Motor

|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Motor Model</b> : MV 3P 5.5HP (IE3) (380-720V)<br><b>Frequency/Efficiency class</b> : 50 Hz IE3 = Premium Efficiency<br><b>Rated Voltage</b> : 380V-415V Δ / 660V-720V λ<br><b>Rated current</b> : 9.1A / 5.3A<br><b>Phase / Rated Power P2</b> : 3~ 4 kW<br><b>Speed</b> : 2820 1/min<br><b>Efficiency</b> : 88.1 %<br><b>Motor Weight (Approx)</b> : 27.9 kg<br><b>Motor Standard</b> : IEC-60034-30 / IS-12615 | <b>Insulation Class</b> : F<br><b>Frame size</b> : 100<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> : 0.74 |
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## 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 32<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 32<br><b>Standard</b> : DIN EN 1092-1:2008-09 |
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# Performance Curve

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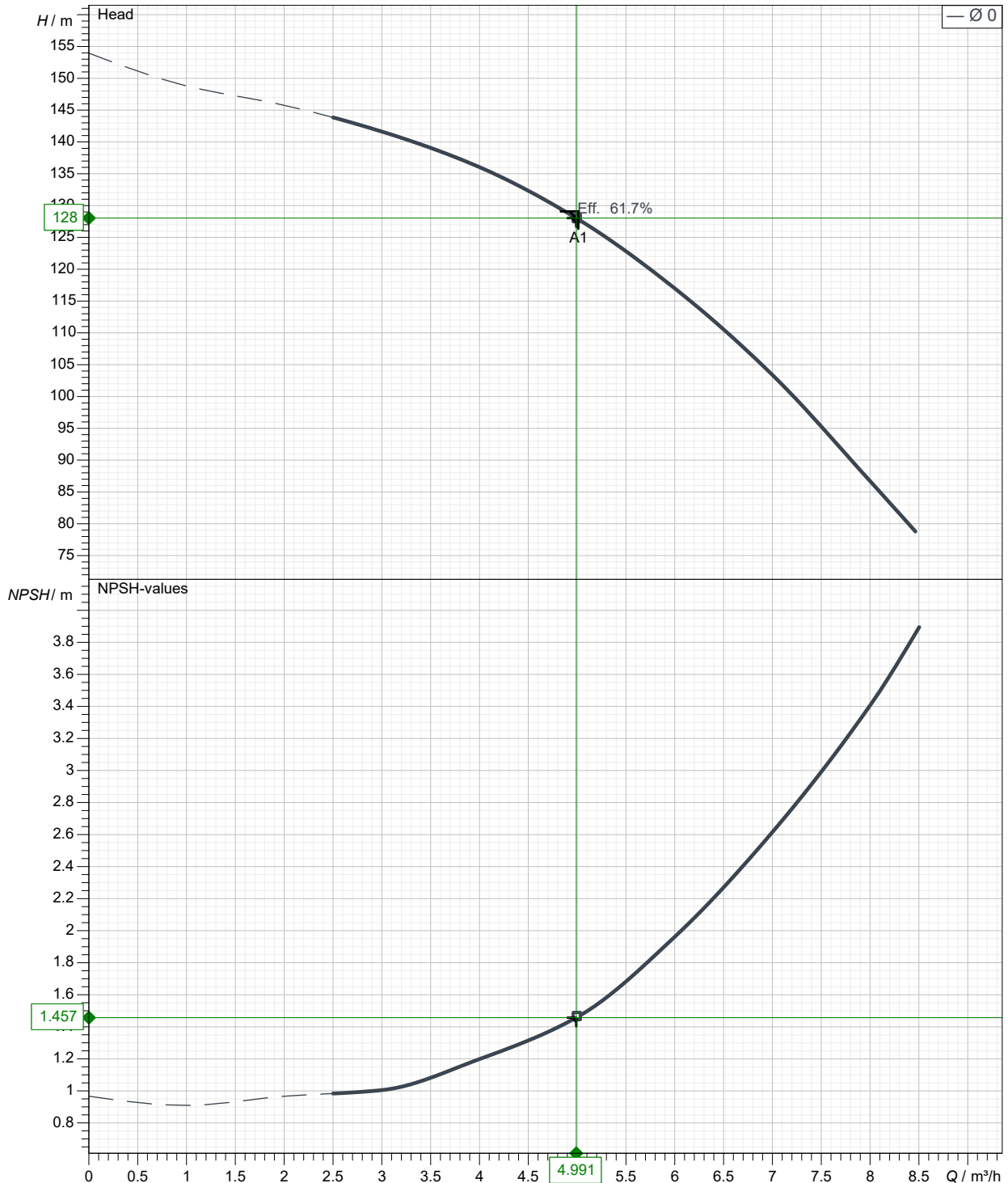
**Department** :

**Phone number** :

**e-mail address** :

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

**Speed** 2900 rpm





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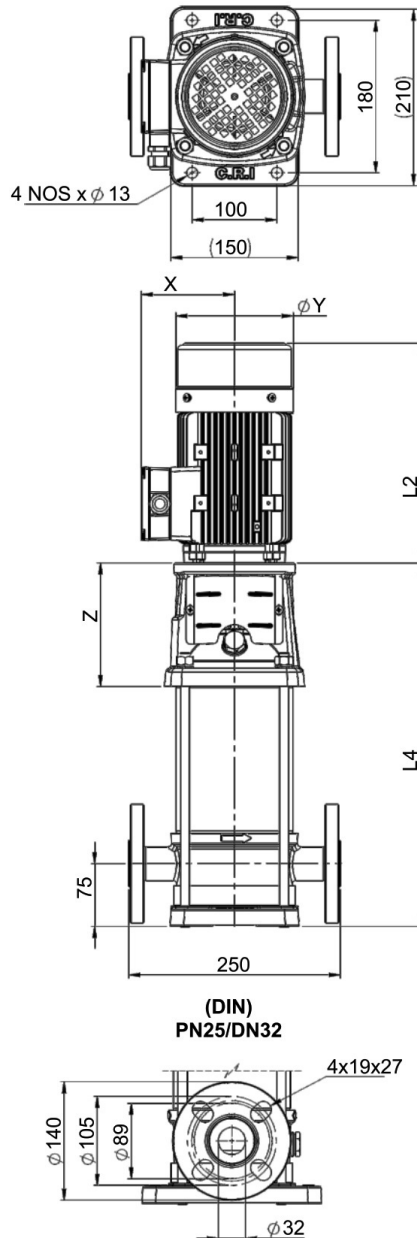
# Dimensional Drawing

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

## Dimensions inmm

|    |     |  |  |
|----|-----|--|--|
| L2 | 363 |  |  |
| L4 | 849 |  |  |
| X  | 132 |  |  |
| Y  | 197 |  |  |
| Z  | 163 |  |  |