



Technical Data

Project Name : Untitled project 2025-03-18 12:39:57.465	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 109.6 m ³ /h Head : 85.54 m	Fluid : Water Density : 0.9983 kg/dm ³ Viscosity : 1.005 mm ² /s Temperature : 20 °C Vapour pressure at t A : 0.0234 bar
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Pump

Operating Data

Pump Model : MVS-120/04T No. of Stages : 4 Inlet / Outlet size : 125 Speed : 2900 1/min Direction of Rotation : Counter clockwise Impeller type : Mixed Flow impeller Impeller Design : Closed Pump Weight (Approx) : 144 kg Pump Standard : CRI Standard	Flow : 109.8 m ³ /h Head : 85.9 m Shutoff Head : 114 m Efficiency : 71.27 %
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Motor

Motor Model : MV 3P 60.0HP (IE2) Frequency/Efficiency class : 50 Hz IE2 = High Efficiency Rated Voltage : 380V-415V Δ / 660V-720V λ Rated current : 80.0A / 46.2A Phase / Rated Power P2 : 3~ 45 kW Speed : 2955 1/min Efficiency : 92.9 % Motor Weight (Approx) : 331 kg Motor Standard : IEC-60034-30 / IS-12615	Insulation Class : F Frame size : 225M Degree of Protection : IP 55 Method of Starting : Star-delta Service factor : 1 Power factor : 0.88
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Material of Construction

Flange Connections

Pump Outer Shell : AISI 304 Pump Head : AISI 304/CF8 Pump Head Stool : C.I Pump Base : AISI 304/CF8 Base Plate : C.I Impeller : AISI 304 MECHANICAL SEAL : TC/Carbon/FKM Bush : SIC/SIC Diffuser (Chamber) : AISI 304 Pump Shaft : AISI 431 Wearing Ring : Teflon FLANGE : C.I Neck Ring : AISI 304 O Ring : EPDM Coupling : C.I Split Cone : AISI 304	Suction Flange Pressure rating : PN 40 Nominal pipe size : DN 125 Standard : DIN EN 1092-1:2008-09 Discharge Flange Pressure rating : PN 40 Nominal pipe size : DN 125 Standard : DIN EN 1092-1:2008-09
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Performance Curve

Pump Model
MVS-120/04T

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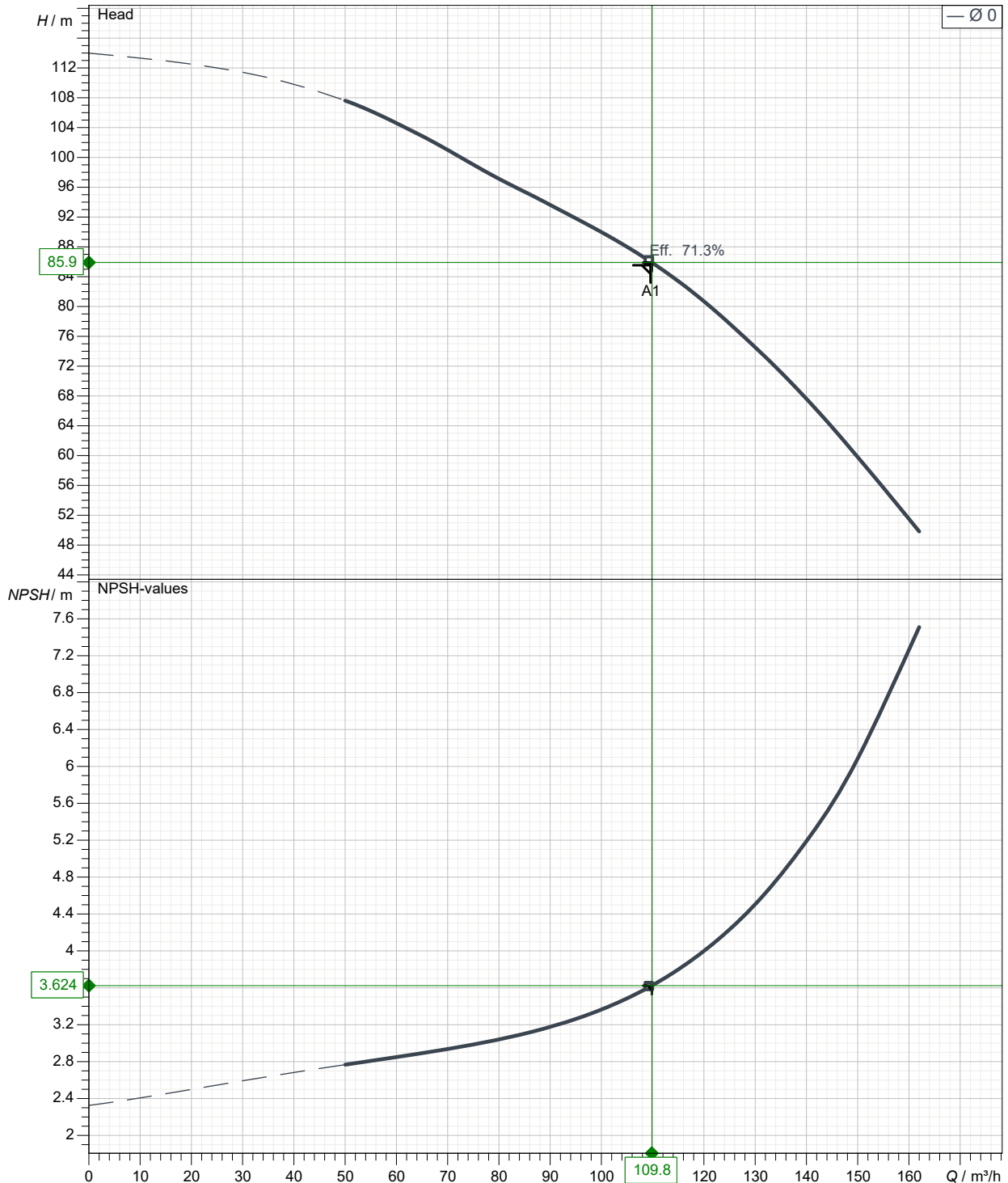
Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B

Speed 2900 rpm





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Dimensional Drawing

Pump Model
MVS-120/04T

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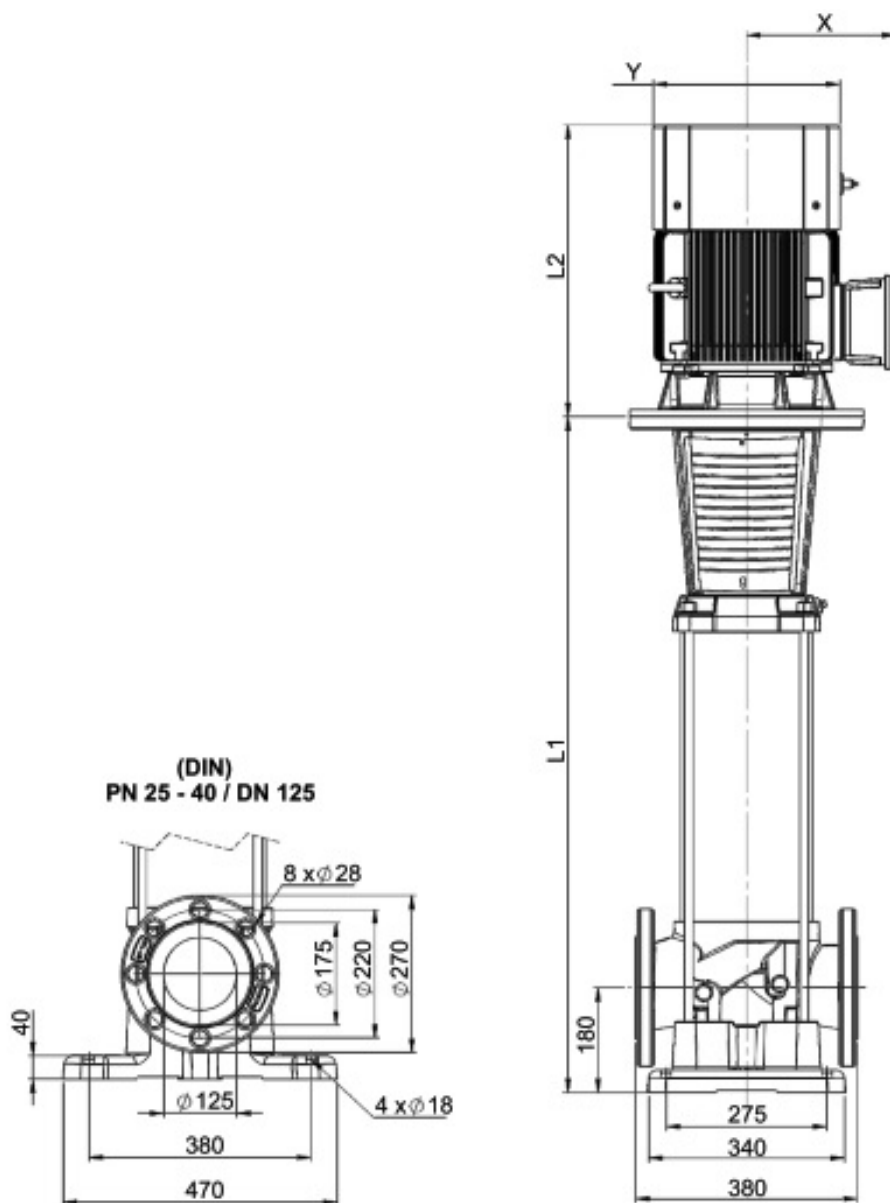
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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions inmm

L1	1309		
L2	641		
ØD	450		
X	336		
Y	452		
Z	305		