



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

Technical Data

Pump Model
MVS-44/12T

Project Name : Untitled project 2025-03-18 12:09:27.084	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 40.18 m ³ /h Head : 270.8 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-44/12T No. of Stages : 12 Inlet / Outlet size : 80 Speed : 2900 1/min Direction of Rotation : Counter clockwise Impeller type : Radial impeller Impeller Design : Closed Pump Weight (Approx) : 126 kg Pump Standard : CRI Standard	Flow : 39.99 m ³ /h Head : 268.3 m Shutoff Head : 307 m Efficiency : 78.54 %
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Motor

Motor Model : MV 3P 60.0HP (IE3) Frequency/Efficiency class : 50 Hz IE3 = Premium 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 : 94 % 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 : 0.87
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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 : SiC/SiC/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 80 Standard : DIN EN 1092-1:2008-09 Discharge Flange Pressure rating : PN 40 Nominal pipe size : DN 80 Standard : DIN EN 1092-1:2008-09
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Performance Curve

Pump Model
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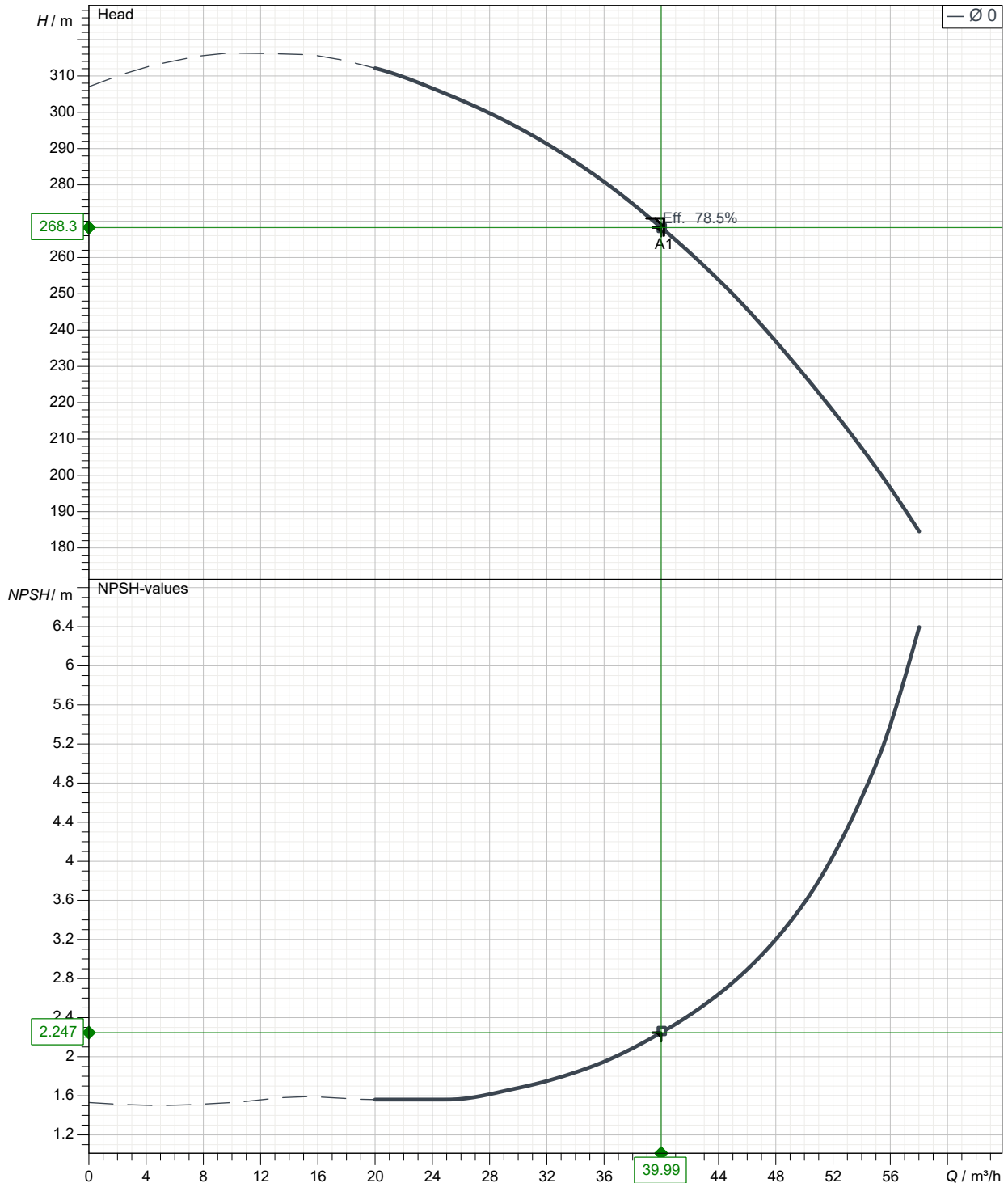
Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B

Speed 2900 rpm

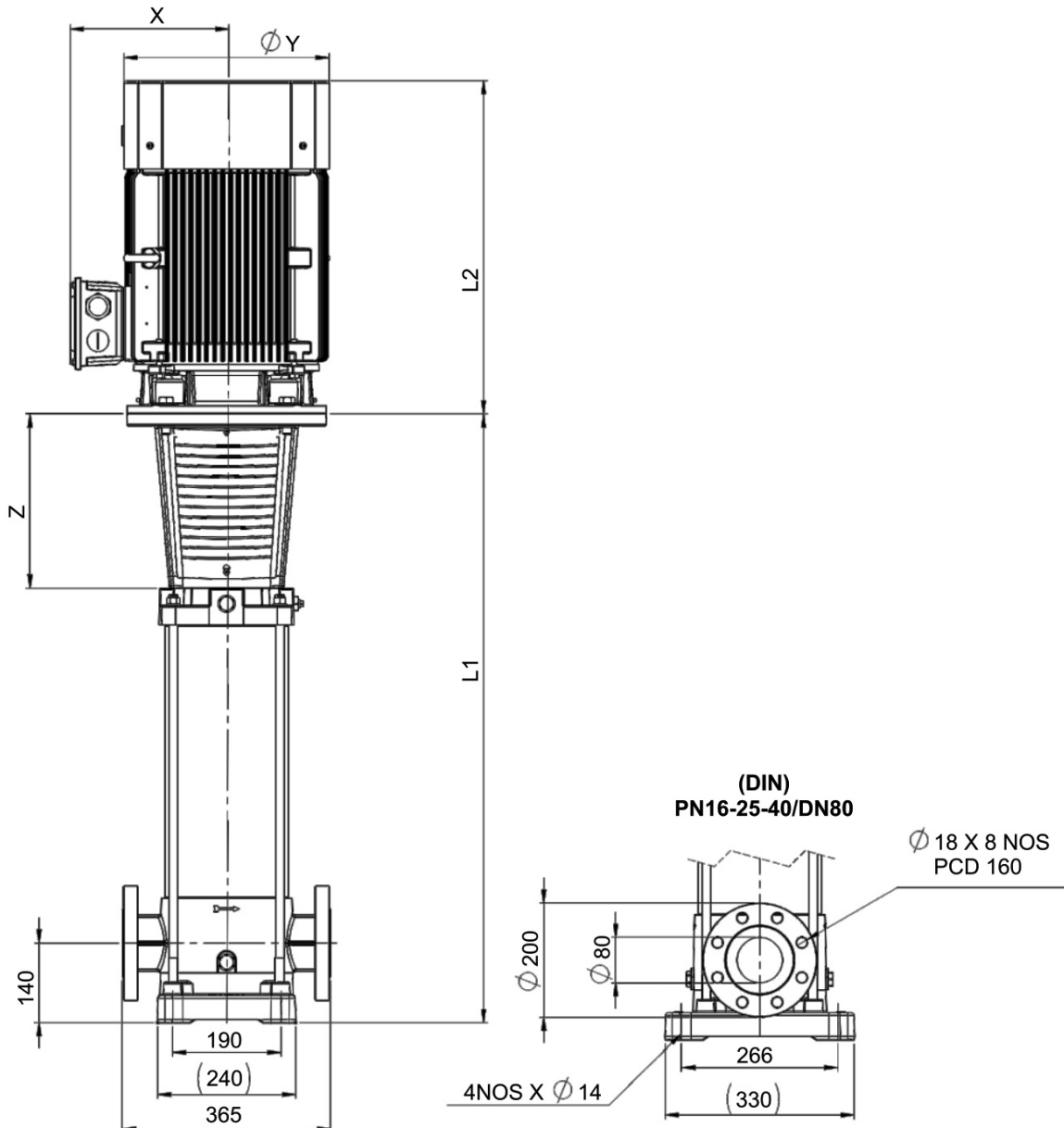




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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions inmm

L1	1548		
L2	641		
OD	450		
X	336		
Y	452		
Z	305		