



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

Technical Data

Pump Model
MVS-44/02BT

Project Name : Untitled project 2025-03-18 11:59:03.421

Project ID :

Company Name :
Department :
Phone number :
e-mail address :

Requested Data

Flow : 40.18 m³/h
Head : 35.09 m

Fluid : Water
Density : 0.9983 kg/dm³
Viscosity : 1.005 mm²/s
Temperature : 20 °C
Vapour pressure at t A : 0.0234 bar

Pump

Pump Model : MVS-44/02BT
No. of Stages : 2
Inlet / Outlet size : 80
Speed : 2900 1/min
Direction of Rotation : Counter clockwise
Impeller type : Radial impeller
Impeller Design : Closed
Pump Weight (Approx) : 68 kg
Pump Standard : CRI Standard

Operating Data

Flow : 40.24 m³/h
Head : 35.19 m
Shutoff Head : 41.88 m
Efficiency : 78.54 %

Motor

Motor Model : MV 3P 7.5HP (IE2)
Frequency/Efficiency class : 50 Hz IE2 = High Efficiency
Rated Voltage : 380V-415V Δ / 660V-720V Δ
Rated current : 11.0A / 6.4A
Phase / Rated Power P2 : 3~ 5.5 kW
Speed : 2830 1/min
Efficiency : 87 %
Motor Weight (Approx) : 39.9 kg
Motor Standard : IEC-60034-30 / IS-12615

Insulation Class : F
Frame size : 132S
Degree of Protection : IP 55
Method of Starting : Star-delta
Service factor : 1
Power factor : 0.84

Material of Construction

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

Flange Connections

Suction Flange

Pressure rating : PN 16
Nominal pipe size : DN 80
Standard : DIN EN 1092-1:2008-09

Discharge Flange

Pressure rating : PN 16
Nominal pipe size : DN 80
Standard : DIN EN 1092-1:2008-09



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Performance Curve

Pump Model
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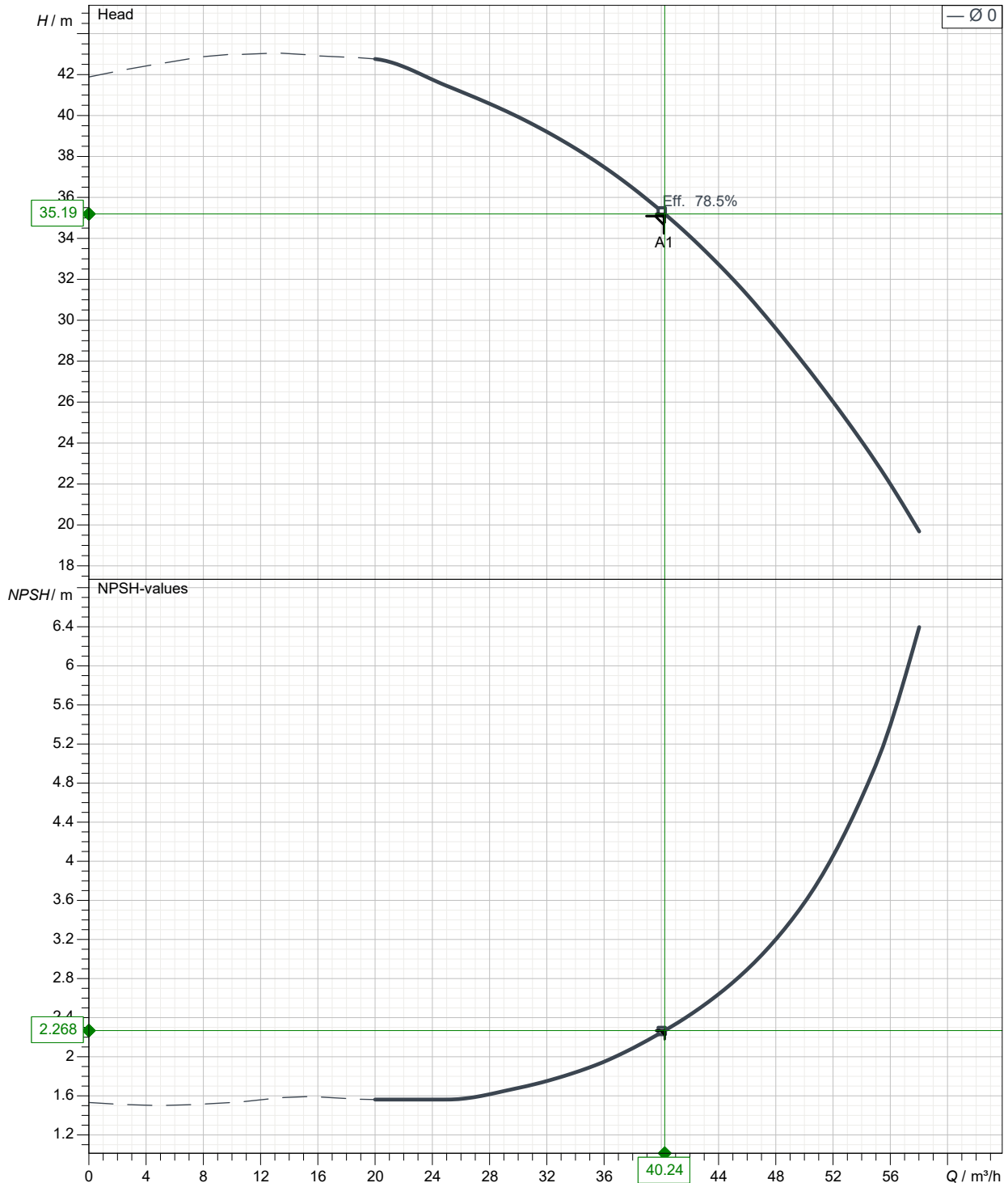
Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B

Speed 2900 rpm





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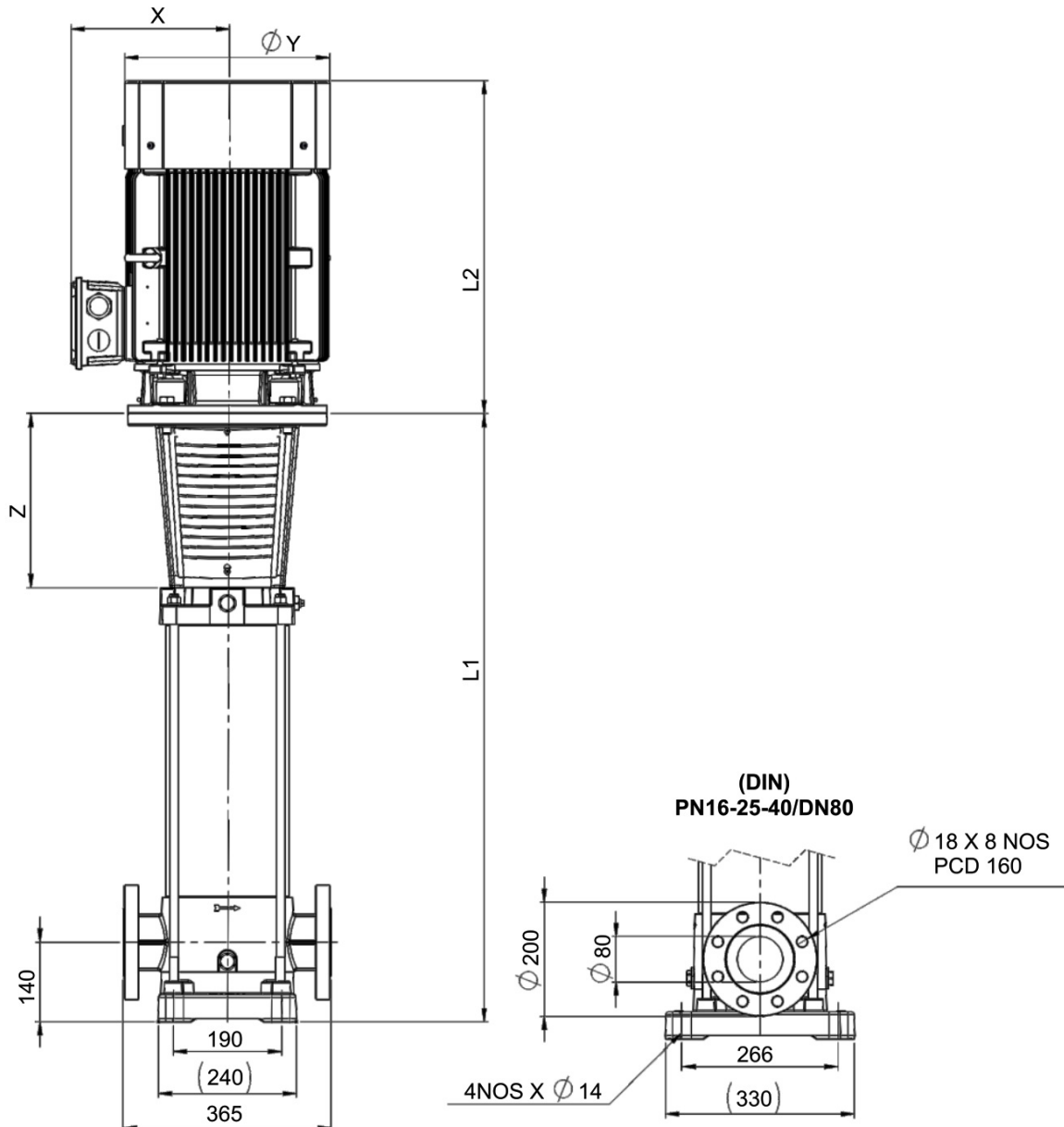
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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions inmm

L1	644		
L2	379		
OD	270		
X	189		
Y	257		
Z	201		