

Technical data

High-pressure multistage centrifugal pump MVI15003/1G-1/25/E/K/3-400-50-2

Project ID

Untitled project 2025-03-17 02:46:47.713

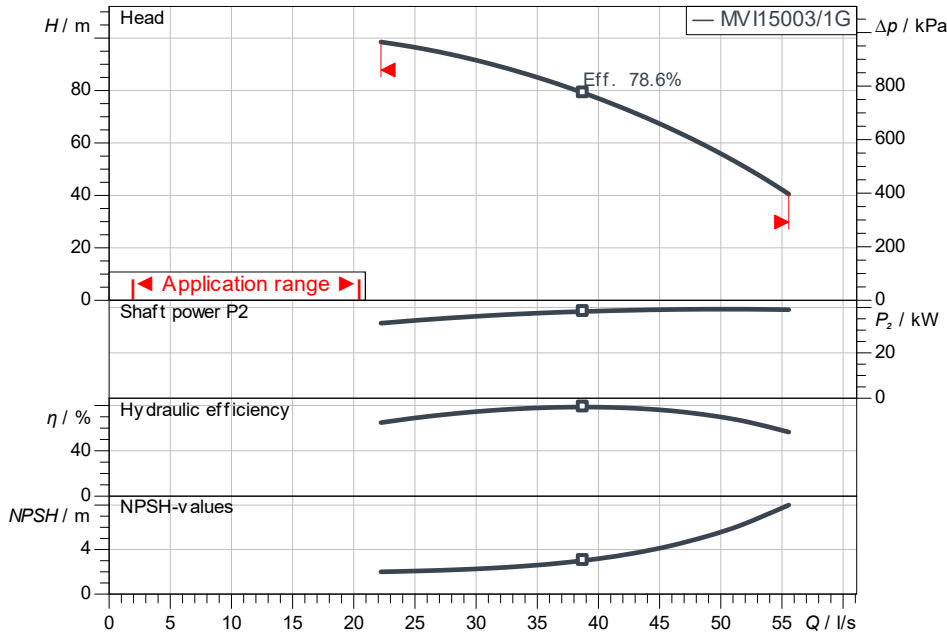
Project name

Installation location

Customer pos. No.

Date 2025-03-17

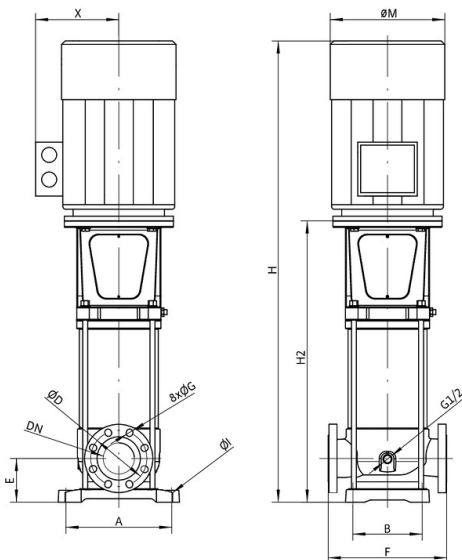
Duty chart



Dimensions

A	424
B	275
D	250
DN	DN 1
e	180
f	485
G	26
H	1,72
H2	1,03
Ø I	22
Ø M	445
X	321

mm



Requested data

Flow	
Head	
Media	Water 100 %
Fluid temperature	20.00 °C
Density	998.30 kg/m³
Kin. viscosity	1.00 mm²/s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P ₂	
Hydraulic efficiency	
NPSH	

Product data

High-pressure multistage centrifugal pump MVI15003/1G-1/25/E/K/3-400-50-2	
Max. operating pressure	2,000 kPa
Inlet pressure max.	15 bar
Fluid temperature	-15 °C ... +120 °C
Max. ambient temperature	40 °C
Minimum efficiency index (MEI)	

Motordata per Motor/Pump

Motor efficiency level	IE3
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+/-10 %
Max. speed	2,965 1/min
Rated power P ₂	45.00 kW
Rated current	76.80 A
Power factor	0.9
Service factor	0
Efficiency	
50% / 75% / 100%	92.1/93.8/94%
Degree of protection	IP55
Insulation class	F
Motor protection	No

Fitting dimensions

Pipe connection on the suction side	DN 150, PN 25
Pipe connection (pressure side)	DN 150, PN 25

Materials

Pump housing	1.4301
Impeller	1.4301
Shaft	1.4301
Shaft seal	U3BE3GG
Gasket material	EPDM

Information for order placements

Weight approx.	466.2 kg
Item number	9236660