

Technical data

High-pressure multistage centrifugal pump MVI 7005/1-3/16/E/3-400-50-2

Project ID

Untitled project 2025-03-03 23:00:00.495

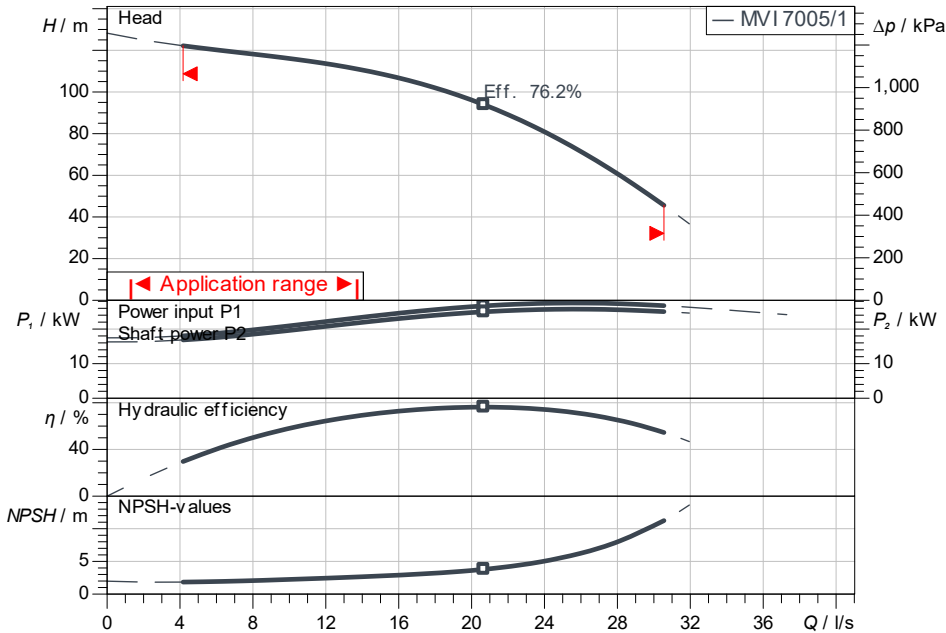
Project name

Installation location

Customer pos. No.

Date 2025-03-03

Duty chart

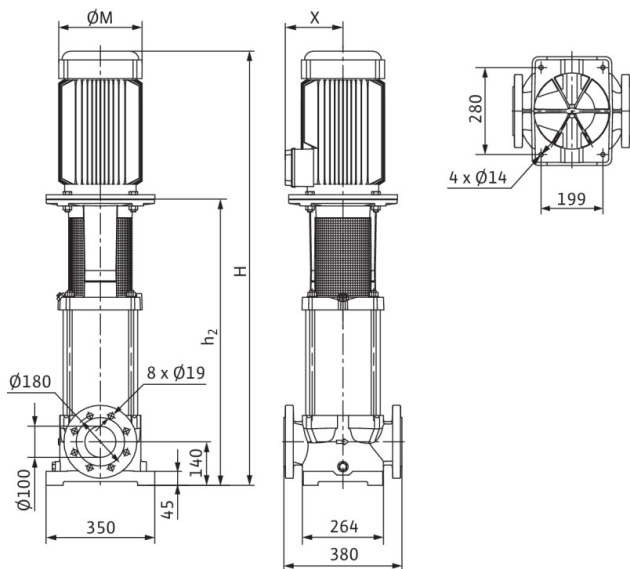


ISO 9906: 2012 3B

Dimensions

H	1,56
H2	1,01
$\varnothing M$	347
X	255
X	261

mm



Requested data

Flow	
Head	
Media	Water 100 %
Fluid temperature	20.00 °C
Density	998.30 kg/m ³
Kin. viscosity	1.00 mm ² /s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P_2	
Hydraulic efficiency	
NPSH	

Product data

High-pressure multistage centrifugal pump MVI 7005/1-3/16/E/3-400-50-2	
Max. operating pressure	1,600 kPa
Inlet pressure max.	10 bar
Fluid temperature	-15 °C ... +120 °C
Max. ambient temperature	50 °C
Minimum efficiency index (MEI)	≥ 0.4

Motordata per Motor/Pump

Motor efficiency level	IE3
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+/-10 %
Max. speed	2,900 1/min
Rated power P_2	30.00 kW
Rated current	50.80 A
Power factor	0.91
Service factor	1.15
Efficiency	
50% / 75% / 100%	92.1/93.2/93.3%
Degree of protection	IP55
Insulation class	F
Motor protection	No

Fitting dimensions

Pipe connection on the suction side	DN 100, PN 16
Pipe connection (pressure side)	DN 100, PN 16

Materials

Pump housing	5.1301/EN-GJL-250
Impeller	1.4408
Shaft	1.4057
Shaft seal	U3BE3GG
Gasket material	EPDM

Information for order placements

Weight approx.	296 kg
Item number	4071177