

Technical data

High-pressure multistage centrifugal pump Zeox-FIRST H 4209-45-2

Project ID

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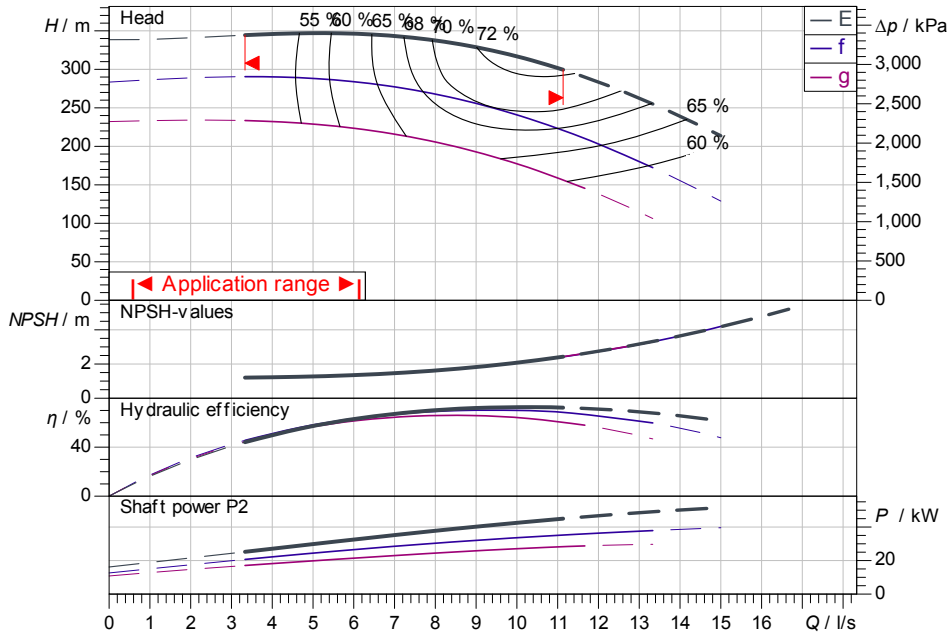
Project name

Installation location

Customer pos. No.

Date 2025-03-04

Duty chart



ISO 9906: 2012 3B

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 P2	
Hydraulic efficiency	
NPSH	

Product data

High-pressure multistage centrifugal pump	
Zeox-FIRST H 4209-45-2	
Max. operating pressure	5,000 kPa
Fluid temperature	-5 °C ... +90 °C
Max. ambient temperature	40 °C
Minimum efficiency index (MEI)	

Motor data 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 P2	45.00 kW
Rated current	77.50 A
Power factor	0.89
Efficiency	
50% / 75% / 100%	94.2/94.5/94.2%
Degree of protection	IP55
Insulation class	F
Motor protection	

Fitting dimensions

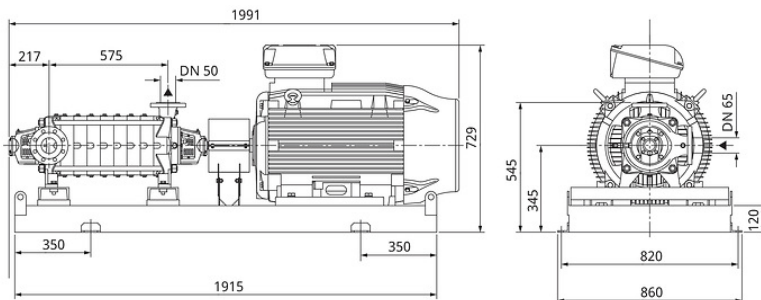
Pipe connection on the suction side	DN 65, PN 25
Pipe connection (pressure side)	DN 50, PN 63
Port to Port	

Materials

Pump housing	EN-GJL-250/EN-GJS-400
Shaft	1.4028
Shaft seal	U2BPFG
Impeller	EN-GJL-200
Stage chamber material	EN-GJS-500-7

Information for order placements

Weight approx.	
Item number	4191815



Dimensions

mm

Contact
E-mail
Phone

Customer

Contact
E-mail
Phone

Dimensions

High-pressure multistage centrifugal pump
Zeox-FIRST H 4209-45-2

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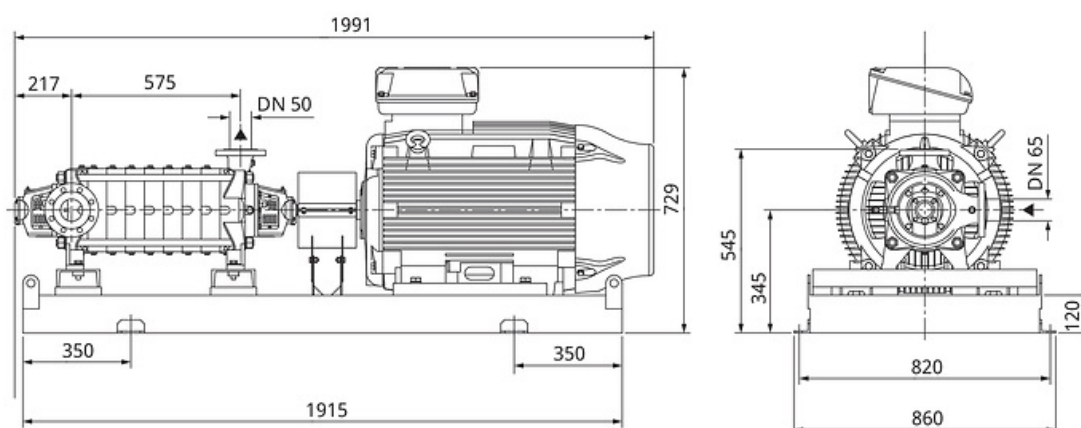
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Standard

Suction side DN 65, PN 25/PN 63

Discharge side DN 50, PN 25/PN 63

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
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