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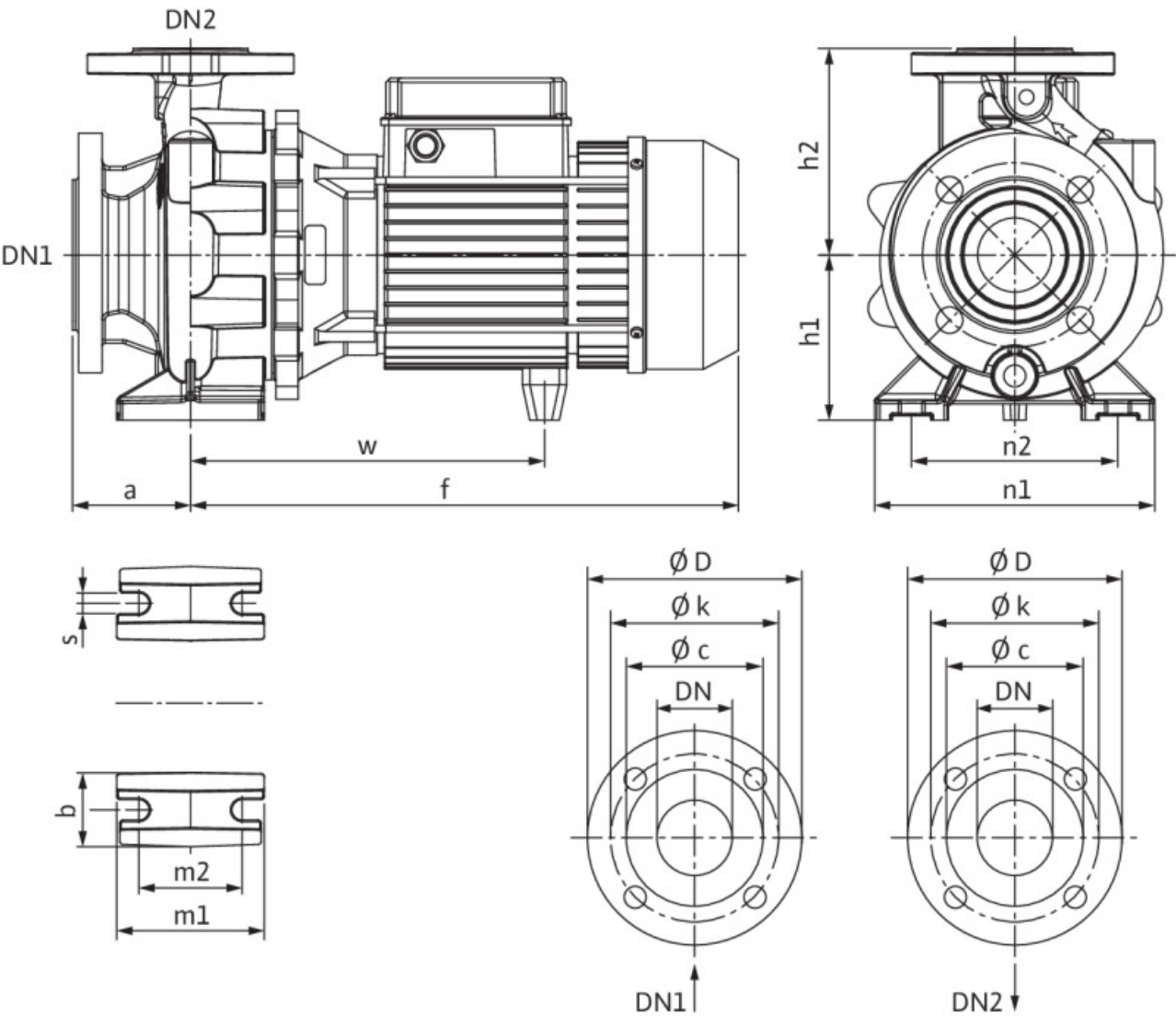
Dimensions

Glanded monobloc pump
BM-B 50/175-1,1/4

Project ID Untitled project 2025-03-01 21:27:50.947

Project name
Installation location
Customer pos. No.

Date 2025-03-01



Standard

Suction side DN 65, PN 10
Discharge side DN 50, PN 10

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
a	100	h2	180	Ø d	118		
b	50	m1	100	Ø D	185		
dL	19	m2	71	Ø D	165		
DN1	DN 65, PN 10	n1	265	s	13		
DN2	DN 50, PN 10	n2	212	w	273		
f	372	Ø k	145				
h1	160	Ø k	125				

Technical data

Glanded monobloc pump

BM-B 50/175-1,1/4

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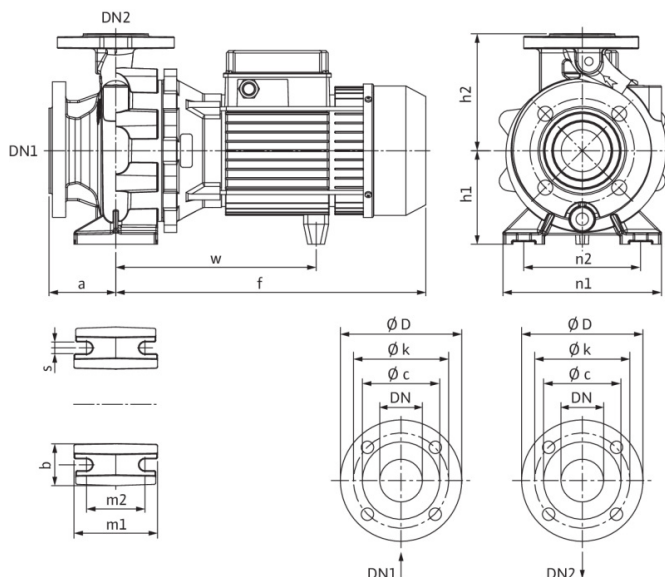
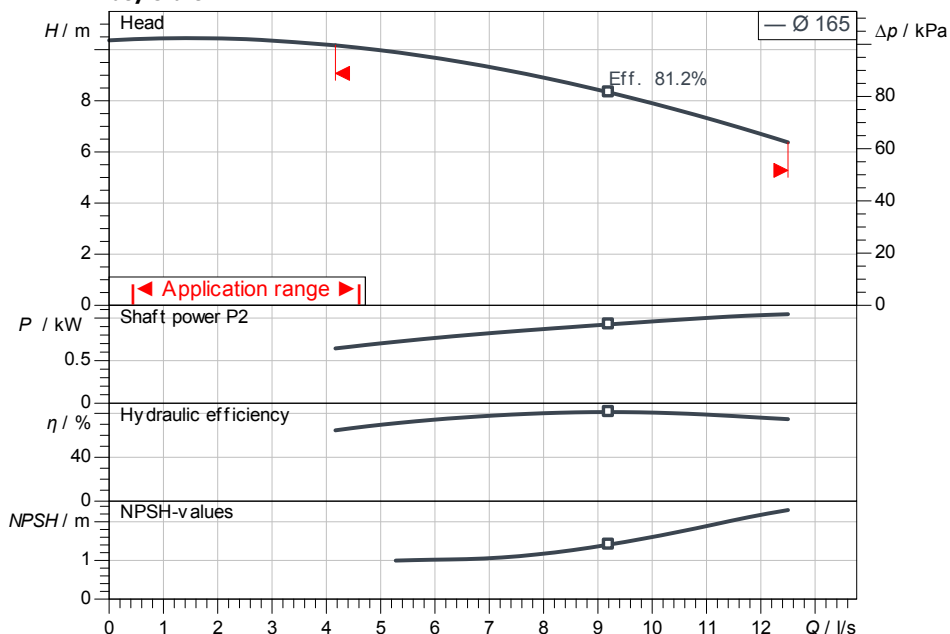
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Duty chart



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

Glanded monobloc pump	
BM-B 50/175-1,1/4	
Max. operating pressure	1,000 kPa
Fluid temperature	-10 °C ... +90 °C
Max. ambient temperature	40 °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 %
Rated speed	1,450 1/min
Rated power P2	1.10 kW
Rated current	2.54 A
Power factor	0.8
Efficiency	
50% / 75% / 100%	85.9/ 86.2/ 85.4%
Degree of protection	IP55
Insulation class	F
Motor protection	No

Fitting dimensions

Pipe connection on the suction side	DN 65, PN 10
Pipe connection (pressure side)	DN 50, PN 10
Port to Port	-

Materials

Pump housing	Bronze, G-CuSn10
Impeller	Bronze, G-CuSn10
Shaft	1.4362
Shaft seal	Q1Q1VGG

Information for order placements

Weight approx.	50 kg
Item number	2103222

Hydraulic data

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Operating data

Rotational speed	Frequency	Duty point		Suction port	Discharge port
1450 1/min	50 Hz	Q =	H =	DN 65	DN 50

