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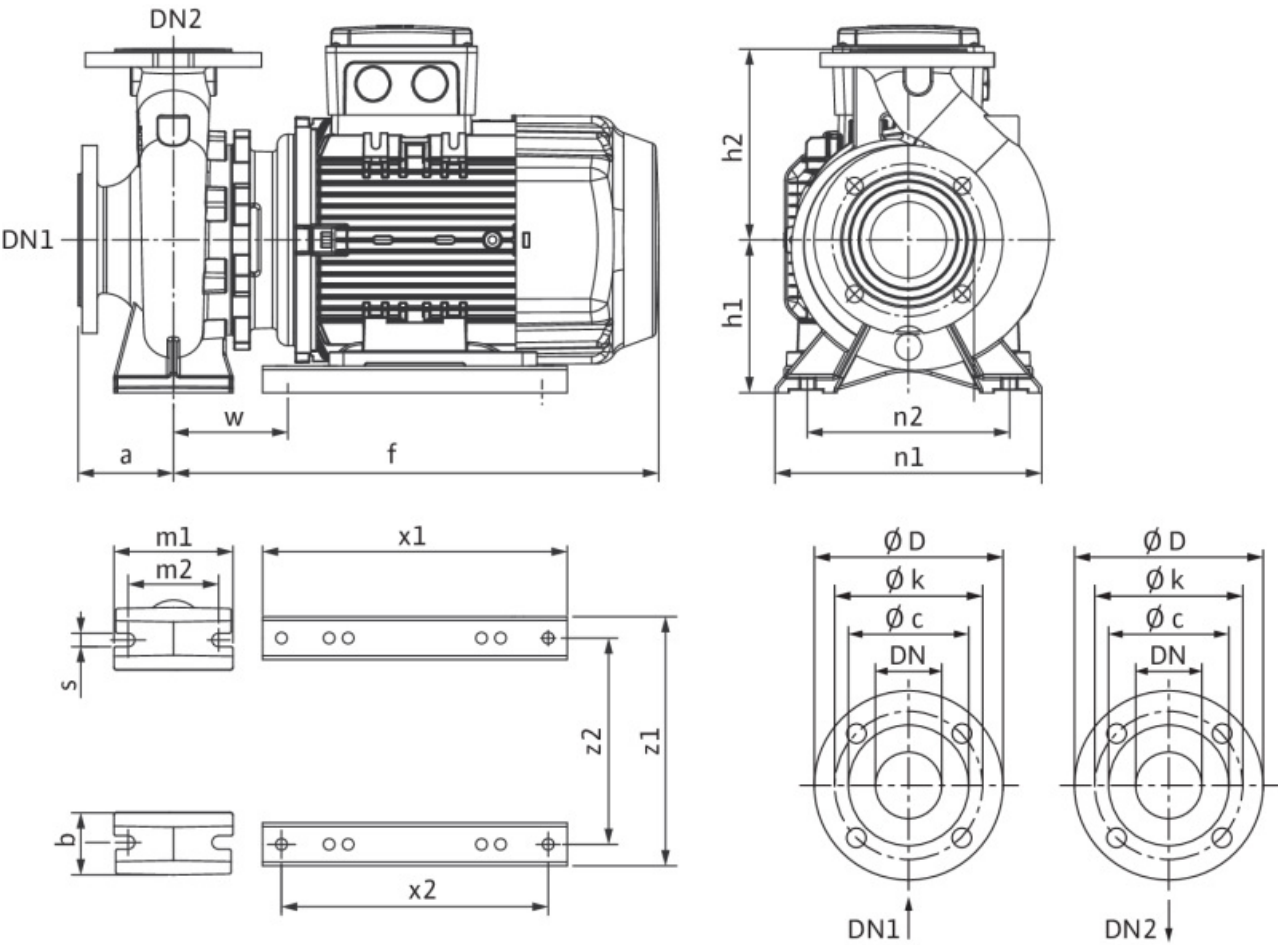
Dimensions

Glanded monobloc pump
BM-S 65/250-45/2

Project ID Untitled project 2025-03-17 01:38:16.703

Project name
Installation location
Customer pos. No.

Date 2025-03-17



Standard

Suction side DN 80, PN 10
Discharge side DN 65, PN 10

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
a	100	h1	225	Ø k	145	z1	438
b	80	h2	250	Ø D	200	z2	356
d	18	m1	160	Ø D	185		
dL	18	m2	120	s	18		
DN1	DN 80, PN 10	n1	360	w	314		
DN2	DN 65, PN 10	n2	280	x1	389		
f	870	Ø k	160	x2	315		

Technical data

Glanded monobloc pump

BM-S 65/250-45/2

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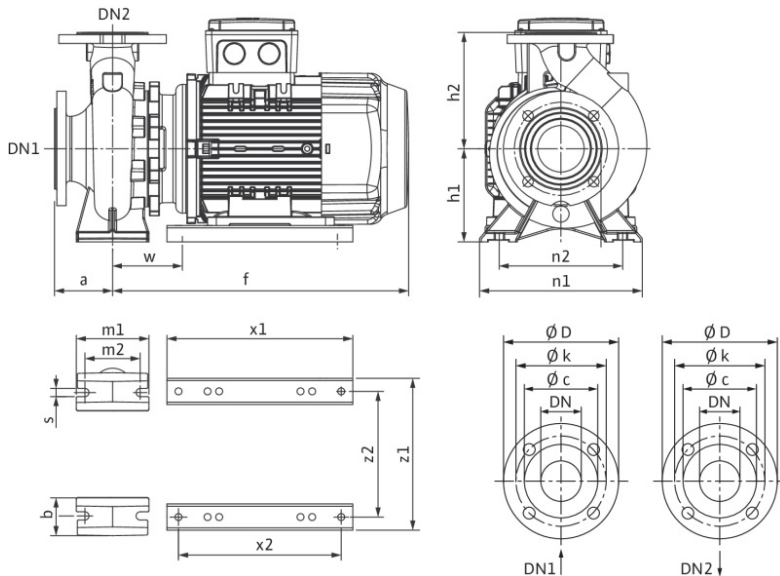
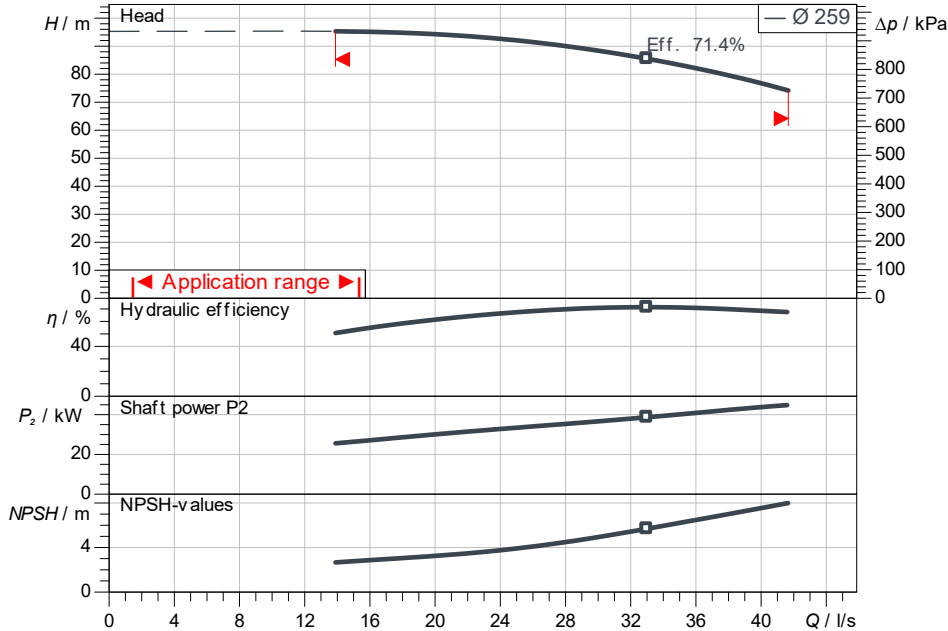
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Duty chart



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 P_2	
Hydraulic efficiency	
NPSH	

Product data

Glanded monobloc pump	
BM-S 65/250-45/2	
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	2,900 1/min
Rated power P_2	45.00 kW
Rated current	78.70 A
Power factor	0.89
Efficiency	
50% / 75% / 100%	93.4 / 94.2 / 94.2 %
Degree of protection	IP55
Insulation class	F
Motor protection	No

Fitting dimensions

Pipe connection on the suction side	DN 80, PN 10
Pipe connection (pressure side)	DN 65, PN 10
Port to Port	-

Materials

Pump housing	1.4408
Impeller	1.4408
Shaft	1.4362
Shaft seal	Q1Q1VGG

Information for order placements

Weight approx.	315 kg
Item number	2164450

Hydraulic data

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Operating data

Rotational speed	Frequency	Duty point		Suction port	Discharge port
2900 1/min	50 Hz	Q =	H =	DN 80	DN 65

