

DATA SHEET

Company		Date	07/02/2023
Project		Item	
		Ref No.	

SNSP 80-160-2.2

Single stage, radially split, volute casing type conforming to EN 733 and EU 547/2012

Operating Point Data

Capacity	:	Power at Duty Point	:
Head	:	Frequency	: 50 Hz
Efficiency (%)	:	Voltage	: 400 V
Impeller Diameter	: 166 mm	Motor Power	: 2.20 kW
NPSHr	:	Nominal Speed	: 1435 rpm
Shut Off Head	: 8.3 m		

Liquid Data

Liquid	: Water	Density	: 998.30 kg/m ³
Temperature	: 20 °C	Viscosity	: 1.005 cSt

Pump Data

Design	: Single Stage, End Suction	Type of Coupling	: Standard
Installation	: Horizontal	Direction Of Rotation	: Clockwise from the drive end
Suction Flange	: EN 1092 PN 16-DN 100	Impeller Type	: Radial impeller
Discharge Flange	: EN 1092 PN 16-DN 80	Type of Bearing	: Closed Type Bearing
Pressure rating	: PN10	Type of Shaft Sealing	: Soft Packing

Minimum Efficiency Index (MEI) >= 0,4

Materials

Volute Casing	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Casing Cover	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Impeller	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Shaft	1.0503 / C45 / AISI 1045
Bearing Housing	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B

Operating Point Data

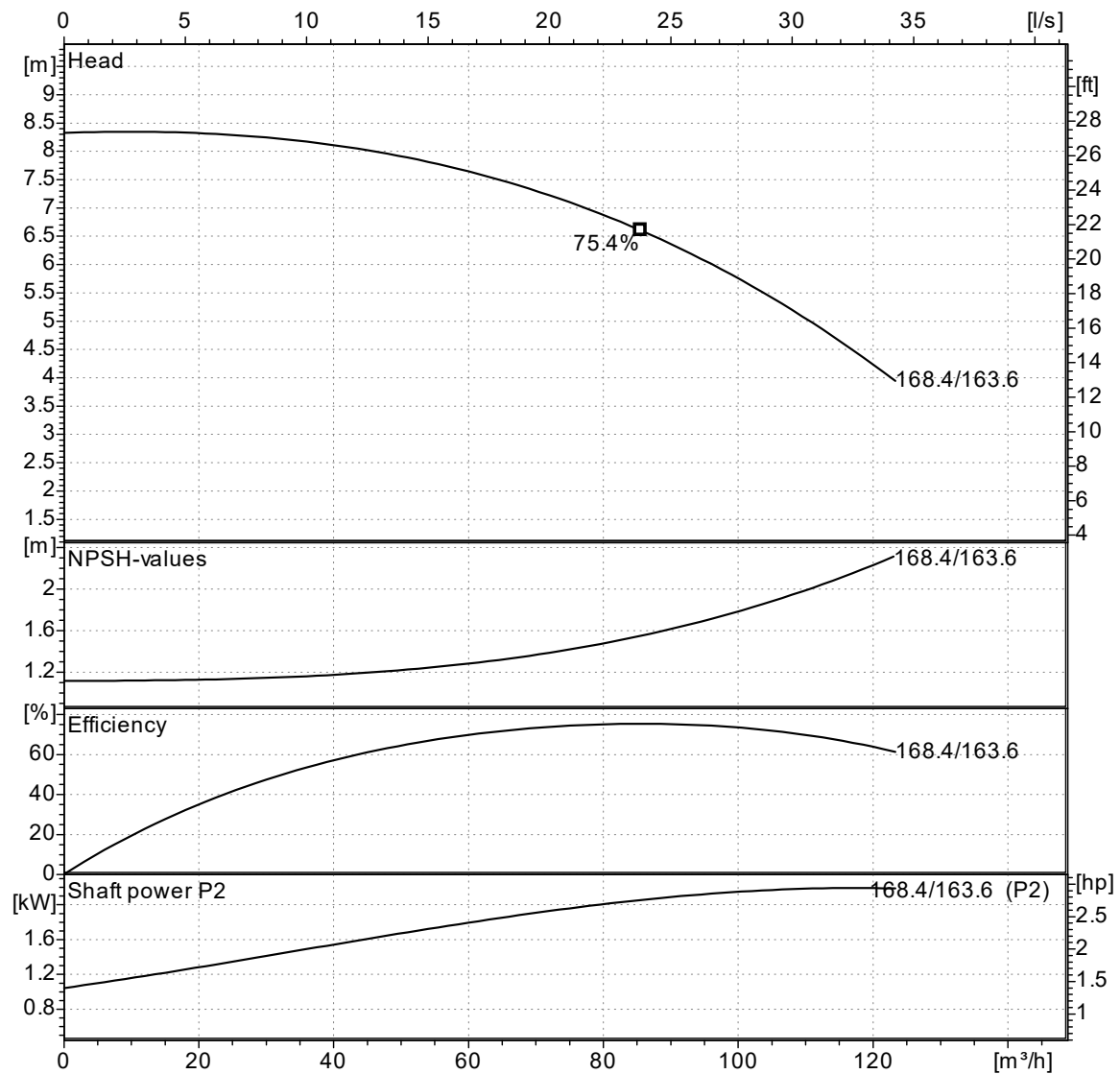
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Capacity:
Head:
Efficiency (%):
Power at Duty Point:
Viscosity: 1.005 cSt

NPSHr:
Motor Power: 2.20 kW
Nominal Speed: 1435 rpm
Frequency: 50 Hz
Density: 998.30 kg/m³

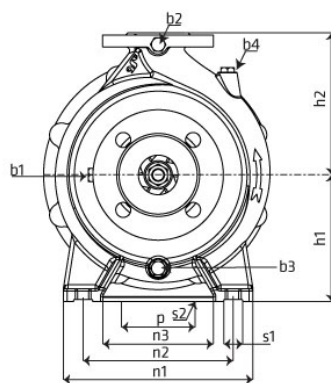
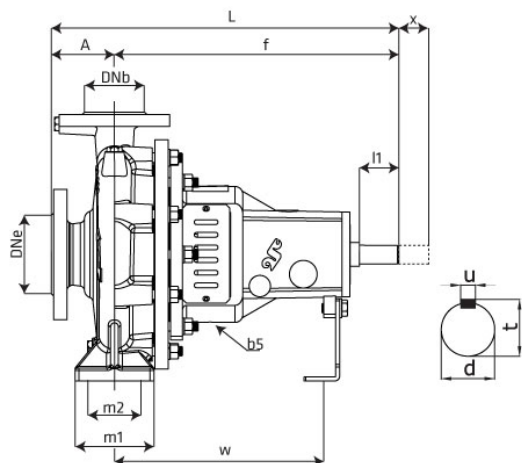


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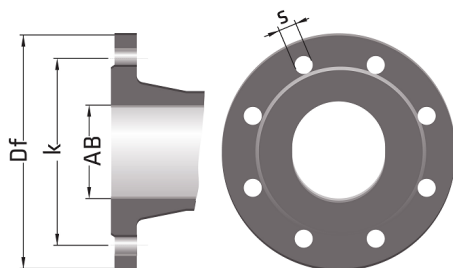
Pump Dimensions



Name	Value
A	125
b1	1/4"
b2	1/4"
b3	3/8"
b4	3/8"
b5	3/8"
d	24
DBe	100
DNb	80
f	360
h1	180
h2	225
L	485
l1	50
m1	125
m2	95
n1	320
n2	250
n3	190
p	110
s1	14
s2	14
t	27
u	8
w	260
W	47 kg
x	140

Note : b1, b2 and b4 holes are not drilled in ductile iron, cast steel and stainless steel volute casings.

Flange Dimensions



Suction Flange

AB = 100
Df = 220
k = 180
n = 8
s = 19

Discharge Flange

AB = 80
Df = 200
k = 160
n = 8
s = 19

" n " number of holes

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Motor Data

Efficiency Level	:	
Motor type	:	Three-Phase Asynchronous Motor
Motor Power	:	2.2 kW
Rated Speed	:	1450 rpm
Voltage	:	400 V
Rated Current	:	4.90 A
Frequency	:	50 Hz
Motor Phase	:	3
Service Factor	:	1.15
Insulation Class	:	F
Degree of Protection	:	IP 55
Efficiency	:	- %
Power factor	:	0.00