

DATA SHEET

Company		Date	30/01/2023
Project		Item	
		Ref No.	

SNSM 65-250-37

Horizontal, single stage, radially split, closed-coupled, 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	: 380 V
Impeller Diameter	: 236 mm	Motor Power	: 37.00 kW
NPSHr	:	Nominal Speed	: 2975 rpm
Shut Off Head	: 80.5 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, Monoblock		
Installation	: Horizontal	Direction Of Rotation	: Clockwise from the drive end
Suction Flange	: EN 1092 PN 16-DN 80	Impeller Type	: Radial impeller
Discharge Flange	: EN 1092 PN 16-DN 65	Type of Shaft Sealing	: Mechanical Seal
Pressure rating	: PN10		

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	1.4021 / X20Cr13 / ASTM A276 Type 420
Mechanical Seal Sleeve	1.4021 / X20Cr13 / ASTM A276 Type 420
Motor Pedestal	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B

Operating Point Data

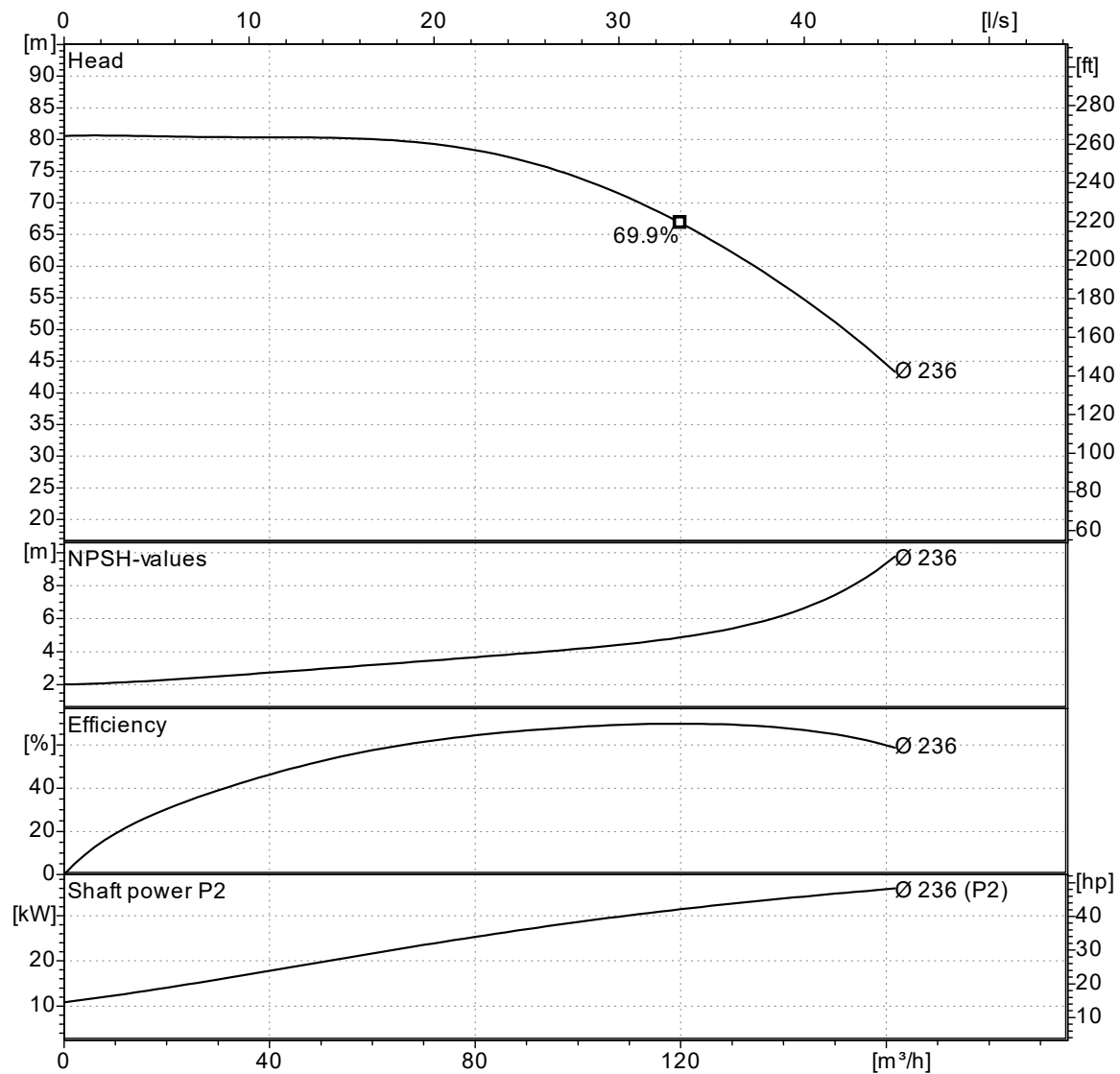
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Capacity:
Head:
Efficiency (%):
Power at Duty Point:
Viscosity: 1.005 cSt

NPSHr:
Motor Power: 37.00 kW
Nominal Speed: 2975 rpm
Frequency: 50 Hz
Density: 998.30 kg/m³



Curves compatible with ISO 9906:2012 Gr 3B

NPSHa > NPSHr + 1m

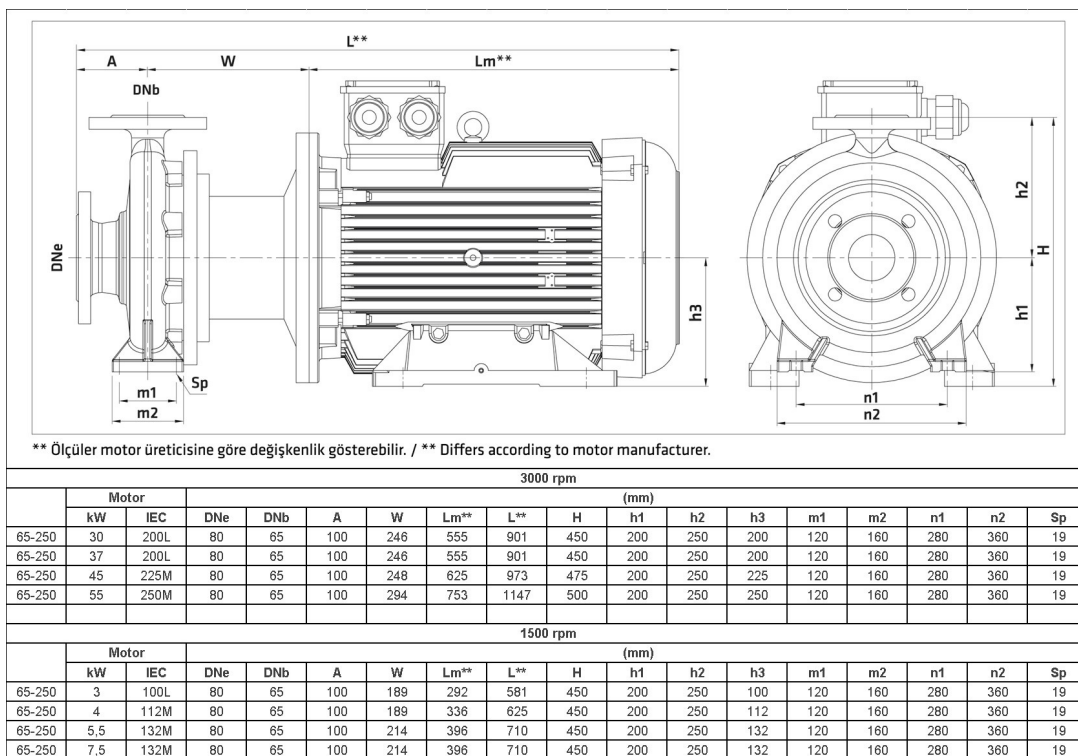
Note : The motor power is not sufficient for dotted area.

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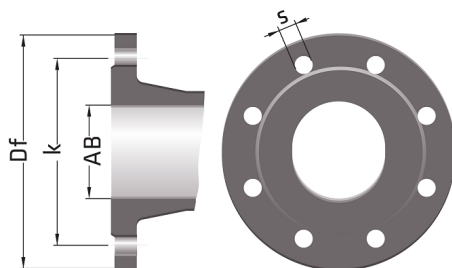
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Pump Dimensions



Flange Dimensions



Suction Flange

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

Discharge Flange

AB = 65
Df = 185
k = 145
n = 4
s = 19

" n " number of holes

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Motor Data

Efficiency Level	:	
Motor type	:	Three-Phase Asynchronous Motor
Motor Power	:	37.0 kW
Rated Speed	:	2950 rpm
Voltage	:	380 V
Rated Current	:	0.00 A
Frequency	:	50 Hz
Motor Phase	:	3
Service Factor	:	1.15
Insulation Class	:	F
Degree of Protection	:	IP 55
Efficiency	:	- %
Power factor	:	0.00