

## DATA SHEET

Company		Date	31/01/2023
Project		Item	
		Ref No.	

### SNSM 80-160-1.5

Horizontal, single stage, radially split, closed-coupled, volute casing type conforming to EN 733 and EU 547/2012

#### Operating Point Data

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Capacity	:	Power at Duty Point	:
Head	:	Frequency	: 50 Hz
Efficiency (%)	:	Voltage	: 400 V
Impeller Diameter	: 150 mm	Motor Power	: 1.50 kW
NPSHr	:	Nominal Speed	: 1435 rpm
Shut Off Head	: 6.4 m		

#### Liquid Data

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

#### Pump Data

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Design	: Single Stage, End Suction, Monoblock		
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 Shaft Sealing	: Mechanical Seal
Pressure rating	: PN10		

Minimum Efficiency Index (MEI) >= 0,4

#### Materials

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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

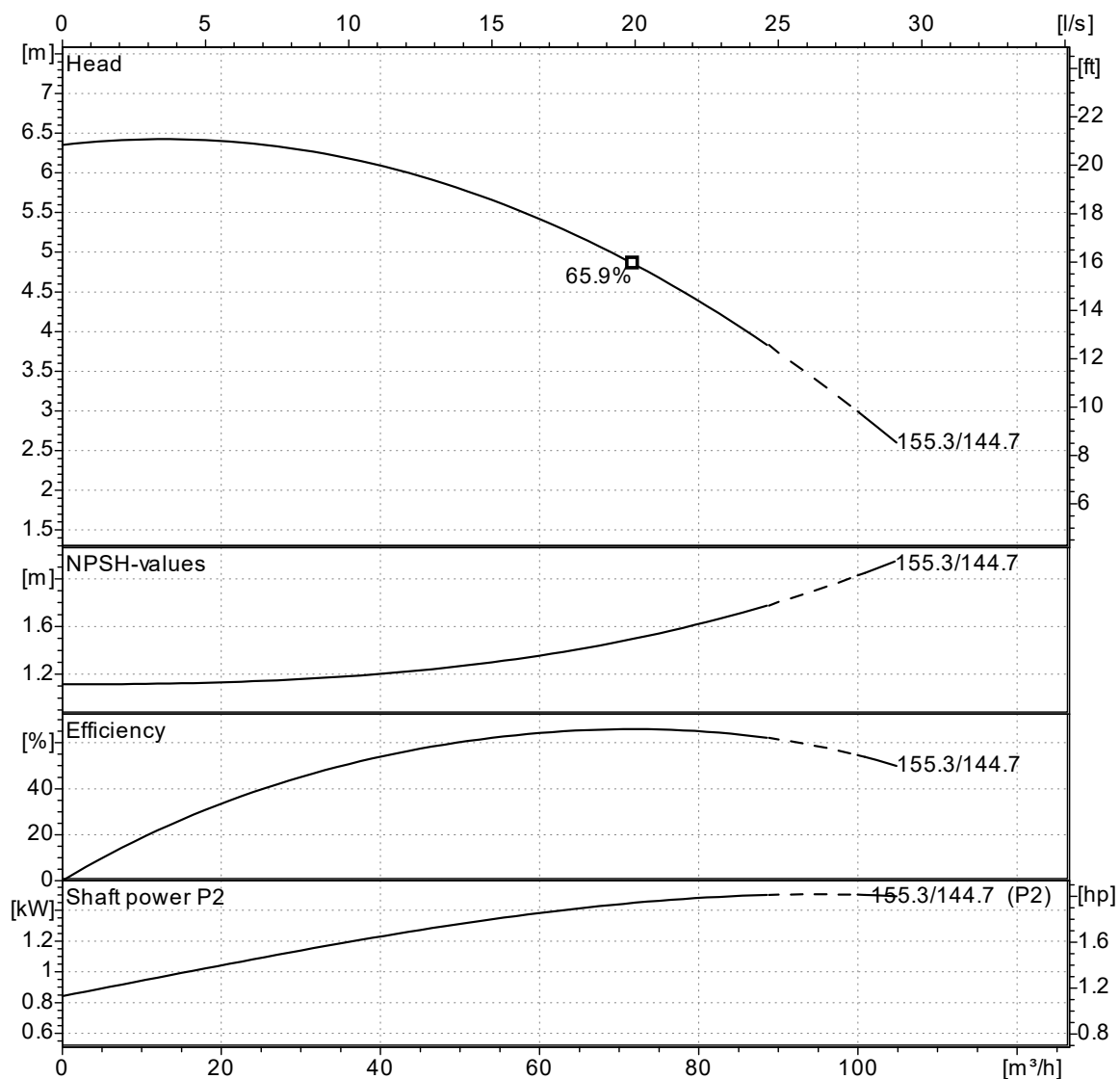
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Capacity:		NPSHr:	
Head:		Motor Power:	1.50 kW
Efficiency (%):		Nominal Speed:	1435 rpm
Power at Duty Point:		Frequency:	50 Hz
Viscosity:	1.005 cSt	Density:	998.30 kg/m <sup>3</sup>



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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### Pump Dimensions



\*\* Ölçüler motor üreticisine göre değişiklik gösterebilir. / \*\* Differs according to motor manufacturer.

3000 rpm																	
	Motor		(mm)														
	kW	IEC	DNe	DNb	A	W	Lm**	L**	H	h1	h2	h3	m1	m2	n1	n2	Sp
80-160	11	160M	100	80	125	226	466	817	405	180	225	160	95	125	250	320	14
80-160	15	160L	100	80	125	226	466	817	405	180	225	160	95	125	250	320	14
80-160	18,5	160L	100	80	125	226	466	817	405	180	225	160	95	125	250	320	14
80-160	22	180M	100	80	125	226	519	870	405	180	225	180	95	125	250	320	14
80-160	30	200L	100	80	125	226	555	906	425	180	225	200	95	125	250	320	14

1500 rpm																	
	Motor		(mm)														
	kW	IEC	DNe	DNb	A	W	Lm**	L**	H	h1	h2	h3	m1	m2	n1	n2	Sp
80-160	1,5	90L	100	80	125	156	266	548	405	180	225	90	95	125	250	320	14
80-160	2,2	100L	100	80	125	179	292	596	405	180	225	100	95	125	250	320	14
80-160	3	100L	100	80	125	179	292	596	405	180	225	100	95	125	250	320	14

### 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**

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Efficiency Level :  
 Motor type : Three-Phase Asynchronous Motor  
 Motor Power : 1.5 kW  
 Rated Speed : 1450 rpm  
 Voltage : 400 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