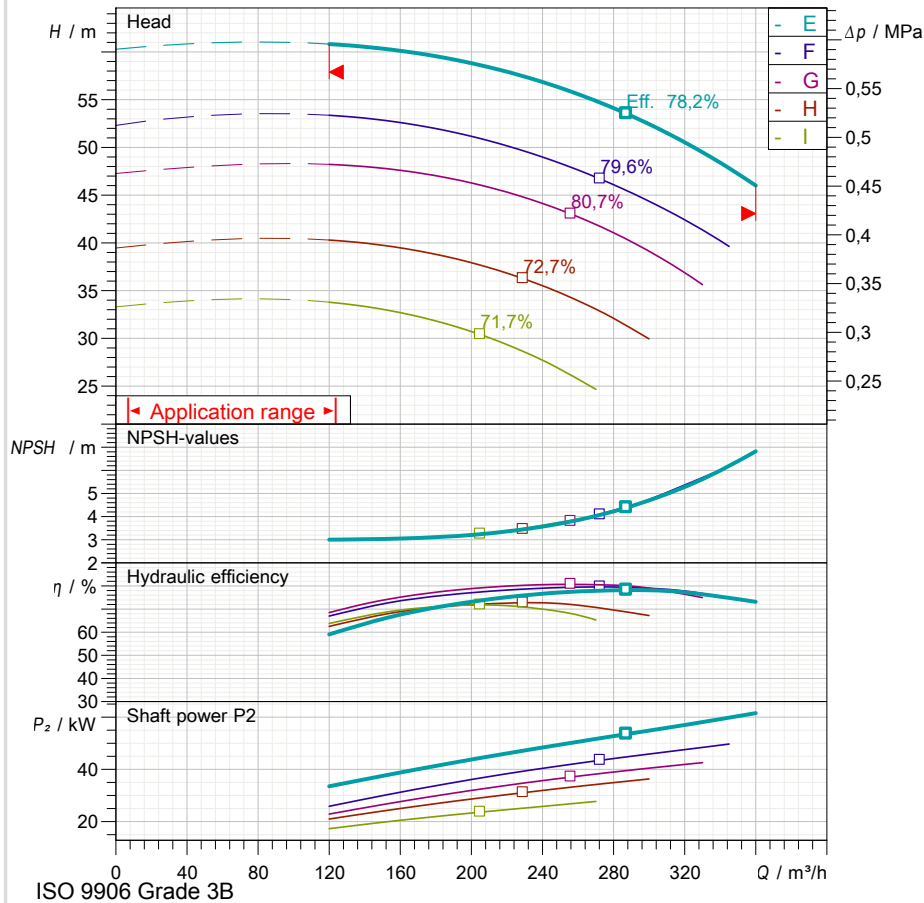


Technical data

SN4F100-400-E-OB-TB-GG

MEI $\geq 0,4$



Operating data specification

Capacity	
Head	
Fluid	Pure water
Type of installation	<Single head pump>

Pump operating data

Design	SN4F100-400-E-OB-TB-GG
Impeller Ø	420 mm
Speed	1450 1/min
Flow	
Head	
Shaft power P2	
Efficiency	
Head (Q=0)	60,3 m
Non return valve loss	

Electric motor technical data

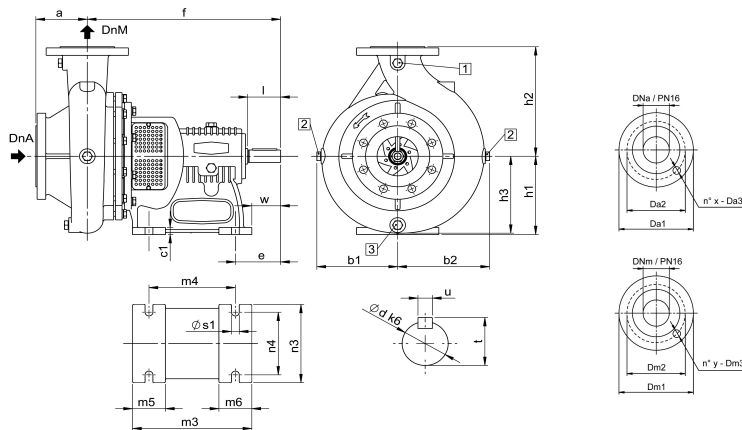
Design	
Rated power	
Frequency	
Number of poles	
Nominal speed	
Rated voltage	
Starting mode	
Rated current	
Insulation class	
Degree of protection	

Use limits

Max N° startings/hour	
Max. runing time with Q=0	2 min
Max. solids contents	60 g/m³
Max. pumped liquid temperature	90 °C
Maximum density	998 kg/m³
Maximum viscosity	1 mm²/s

Materials

Pump body	Cast iron
Impeller	Carbon steel + Cataphoresis
Wear ring	Cast iron
Support	Cast iron
Bearing support	Cast iron
Shaft	Stainless steel
Twiner system®	Stainless steel
Stuffing-box packing	Synthetic fibers
Shaft protection bushing	Chromed stainless steel



Dimensions in mm				Total weight 167 kg			
DNa	125	h2	355	s1	19	2	G 1/4"
DNm	100	h3	276	e	110	3	G 1/4"
a	140	m3	340	w	65	Da1	250
b1	271	m4	250	d	42	Da2	210
b2	300	m5	90	l	110	Da3	18
c1	22	m6	90	u	12	Dm1	220
f	530	n3	250	t	45	Dm2	180
h1	250	n4	200	1	G 1/4"	Dm3	18

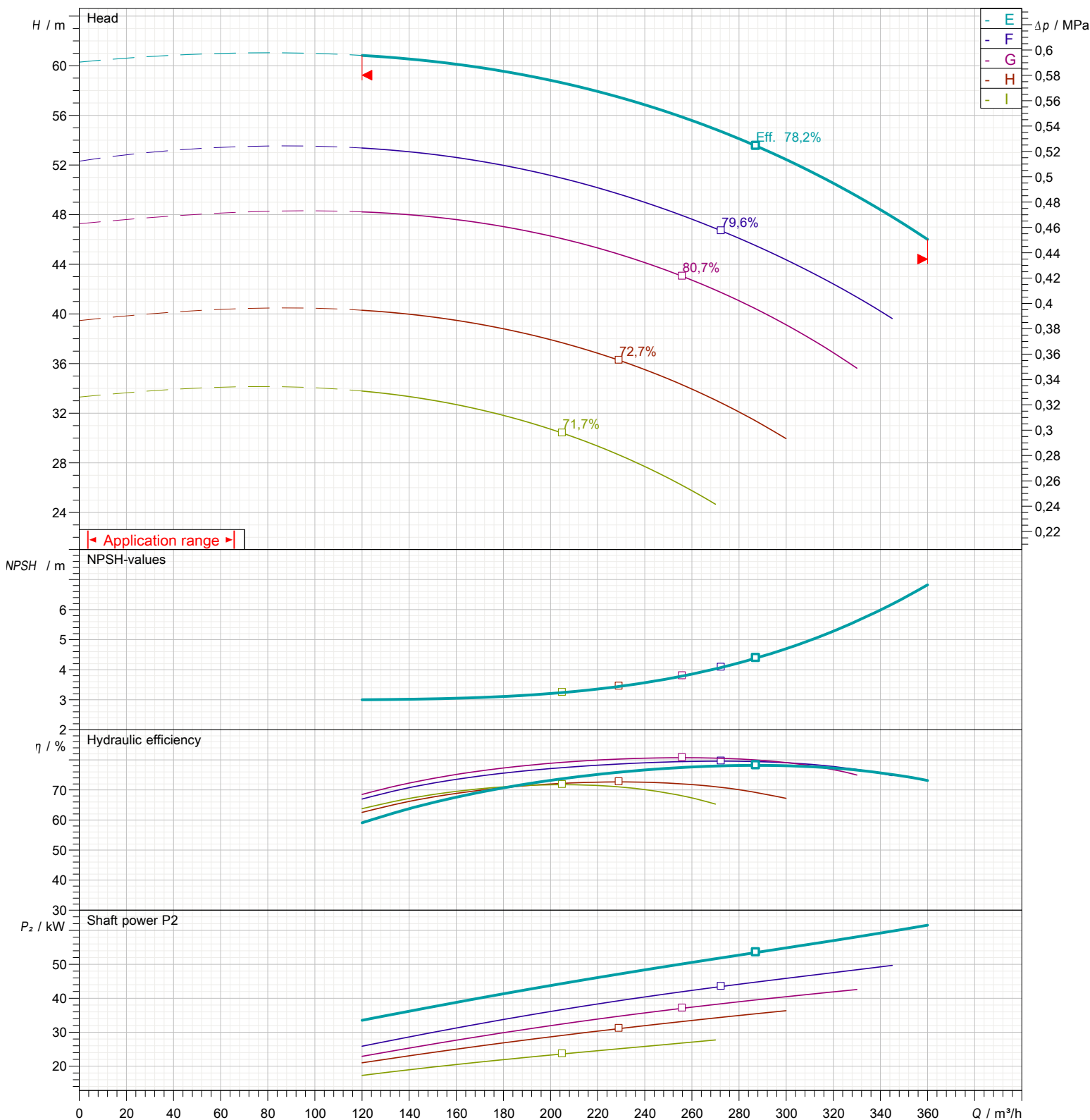
Performance curves

SN4F100-400-E-OB-TB-GG

MEI $\geq 0,4$

Performances

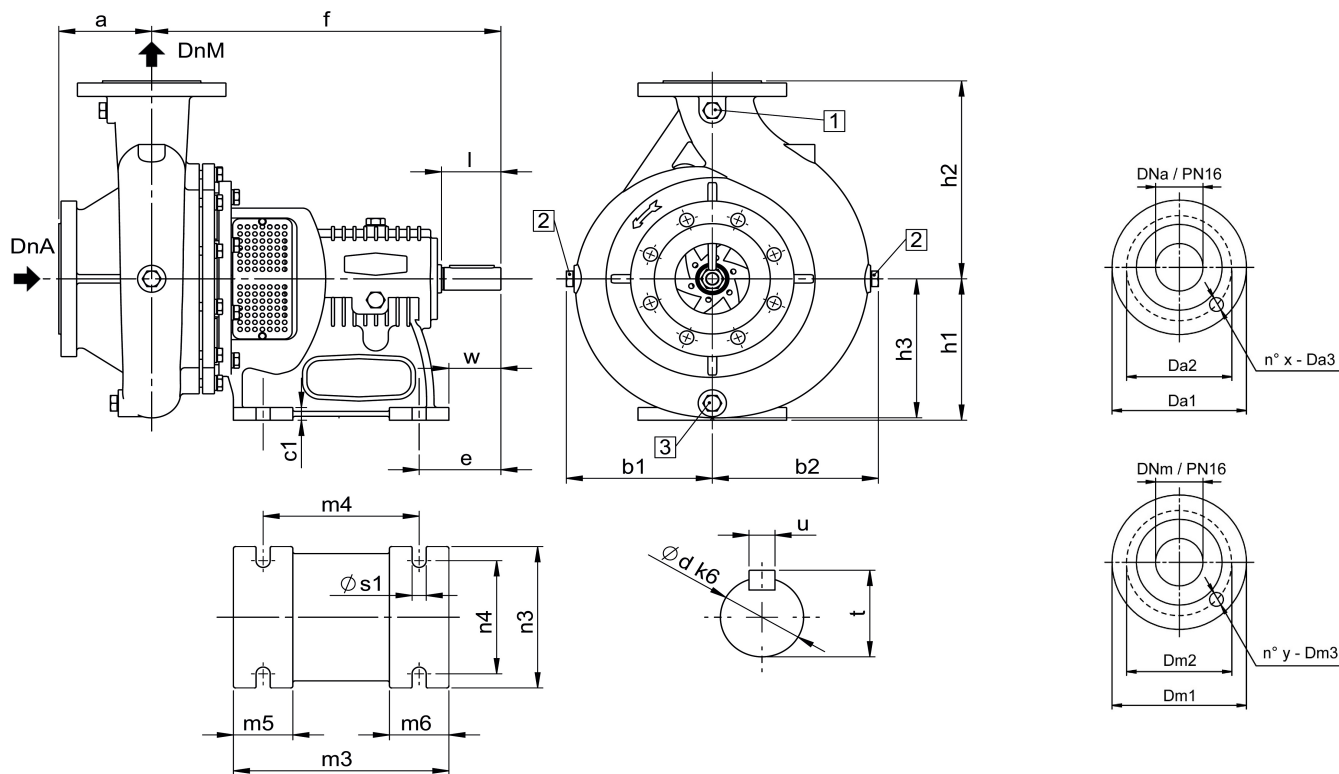
Speed	1450 1/min	Density	998 kg/m ³
Flow	Min. 120 m ³ /h	Viscosity	1 mm ² /s
	Max. 360 m ³ /h	Temperature	20 °C
Efficiency	Max. 287 m ³ /h	Tolerances	ISO 9906 Grade 3B



Types of installation

SN4F100-400-E-OB-TB-GG

MEI $\geq 0,4$

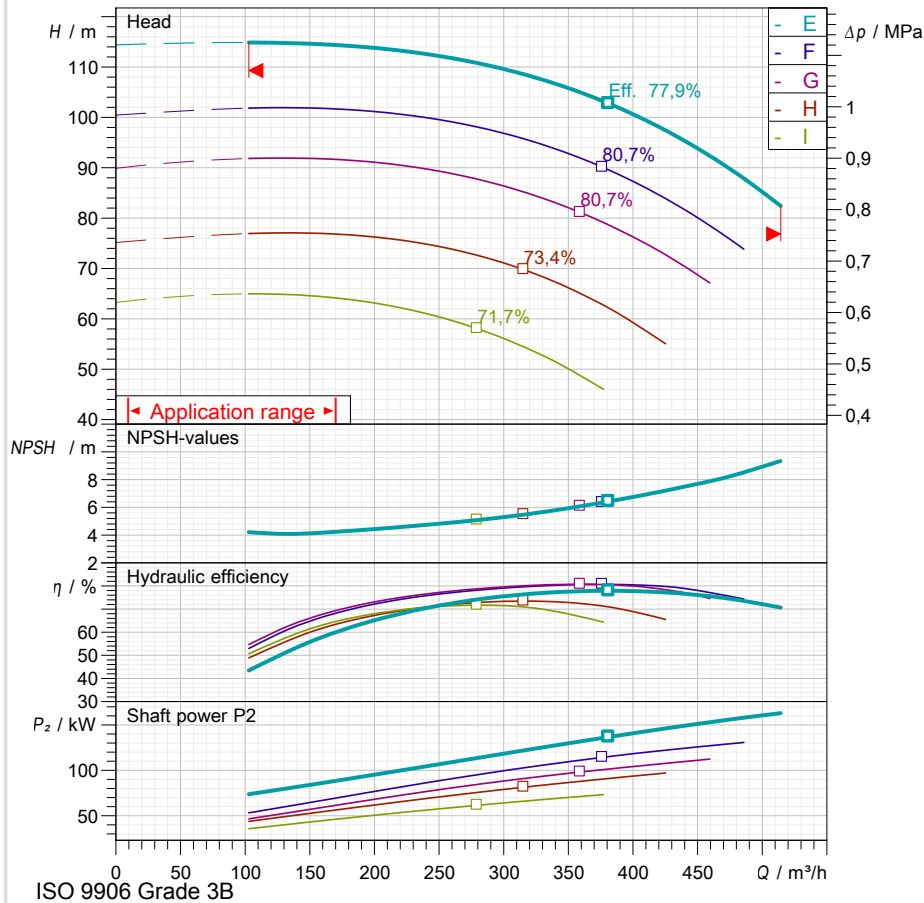


Dimensions in			mm	Total weight			167 kg
DNa	125		u	12			
DNm	100		t	45			
a	140		1	G 1/4"			
b1	271		2	G 1/4"			
b2	300		3	G 1/4"			
c1	22		Da1	250			
f	530		Da2	210			
h1	250		Da3	18			
h2	355		Dm1	220			
h3	276		Dm2	180			
m3	340		Dm3	18			
m4	250		x	8			
m5	90		y	8			
m6	90						
n3	250						
n4	200						
s1	19						
e	110						
w	65						
d	42						
l	110						

Technical data

SN4F100-400-E-OB-TB-GG

MEI $\geq 0,4$



Operating data specification

Capacity	
Head	
Fluid	Pure water
Type of installation	<Single head pump>

Pump operating data

Design	SN4F100-400-E-OB-TB-GG
Impeller Ø	420 mm
Speed	2000 1/min
Flow	
Head	
Shaft power P2	
Efficiency	
Head (Q=0)	114 m
Non return valve loss	

Electric motor technical data

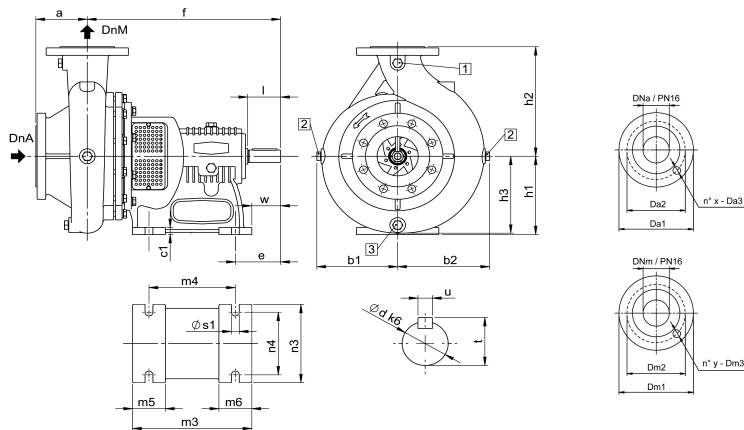
Design	
Rated power	
Frequency	
Number of poles	
Nominal speed	
Rated voltage	
Starting mode	
Rated current	
Insulation class	
Degree of protection	

Use limits

Max N° startings/hour	
Max. runing time with Q=0	2 min
Max. solids contents	60 g/m³
Max. pumped liquid temperature	90 °C
Maximum density	998 kg/m³
Maximum viscosity	1 mm²/s

Materials

Pump body	Cast iron
Impeller	Carbon steel + Cataphoresis
Wear ring	Cast iron
Support	Cast iron
Bearing support	Cast iron
Shaft	Stainless steel
Twiner system®	Stainless steel
Stuffing-box packing	Synthetic fibers
Shaft protection bushing	Chromed stainless steel



Dimensions in mm				Total weight 167 kg			
DNa	125	h2	355	s1	19	2	G 1/4"
DNm	100	h3	276	e	110	3	G 1/4"
a	140	m3	340	w	65	Da1	250
b1	271	m4	250	d	42	Da2	210
b2	300	m5	90	l	110	Da3	18
c1	22	m6	90	u	12	Dm1	220
f	530	n3	250	t	45	Dm2	180
h1	250	n4	200	1	G 1/4"	Dm3	18

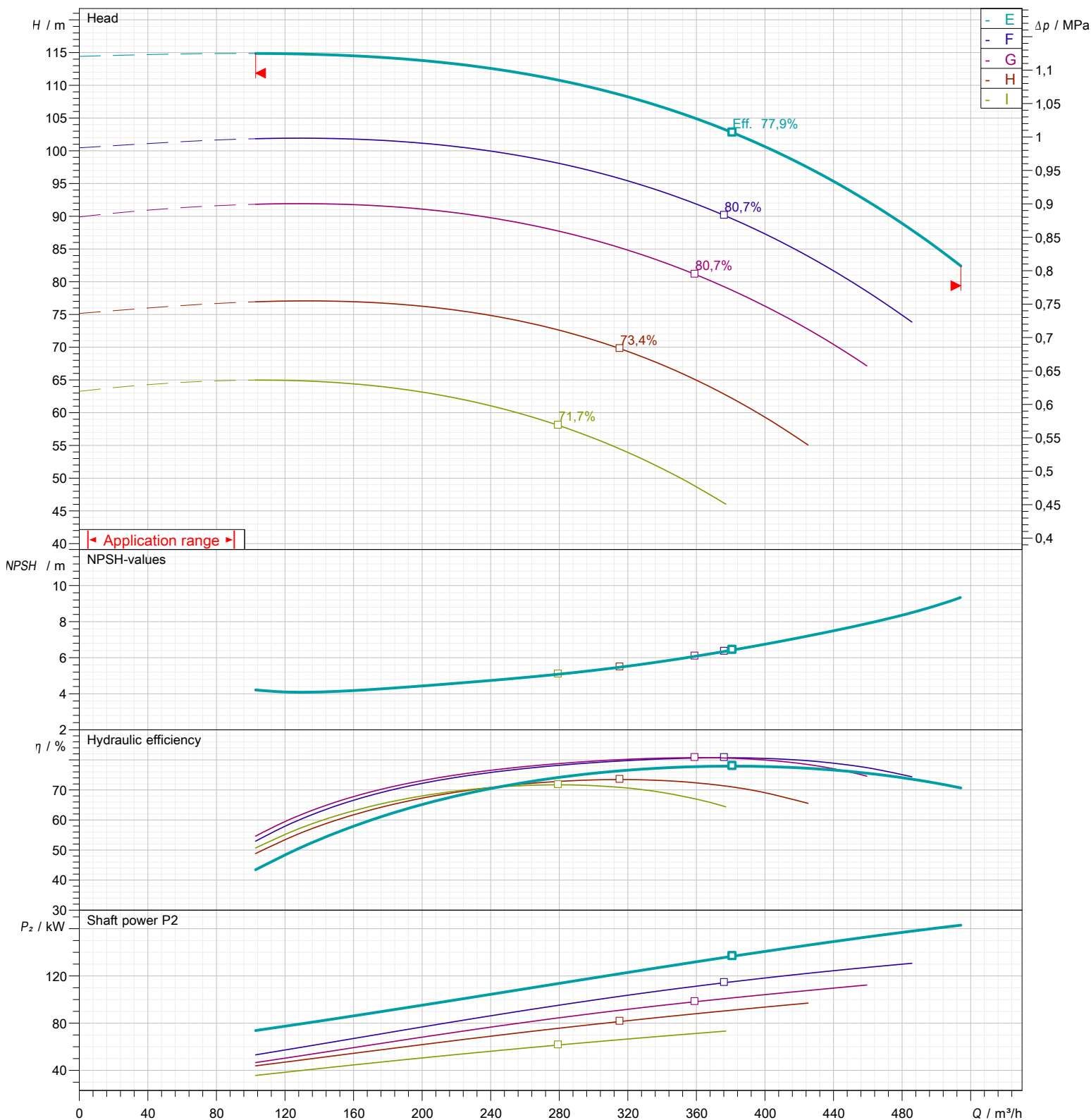
Performance curves

SN4F100-400-E-OB-TB-GG

MEI $\geq 0,4$

Performances

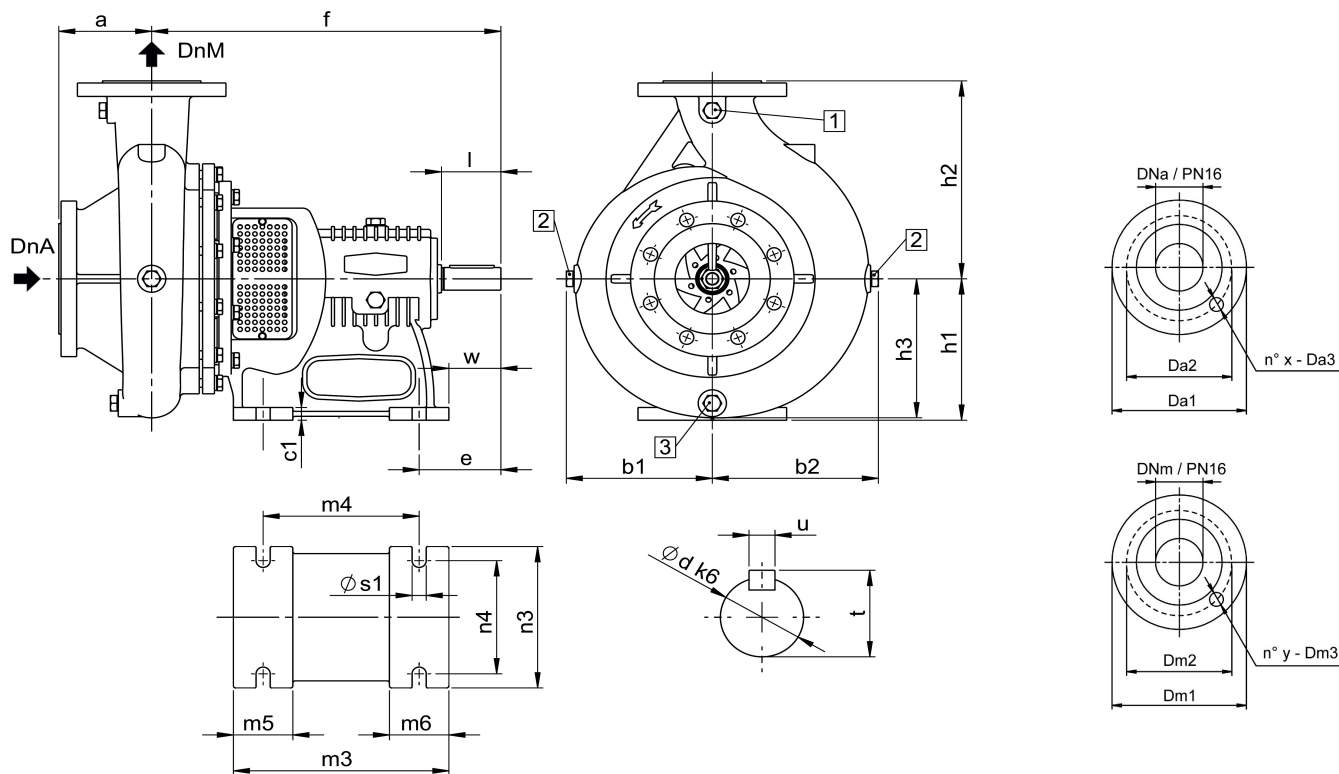
Speed		2000 1/min	Density	998 kg/m ³
Flow	Min.	103 m ³ /h	Viscosity	1 mm ² /s
	Max.	514 m ³ /h	Temperature	20 °C
Efficiency	Max.	381 m ³ /h	Tolerances	ISO 9906 Grade 3B



Types of installation

SN4F100-400-E-OB-TB-GG

MEI $\geq 0,4$



Dimensions in			mm	Total weight			167 kg
DNa	125		u	12			
DNm	100		t	45			
a	140		1	G 1/4"			
b1	271		2	G 1/4"			
b2	300		3	G 1/4"			
c1	22		Da1	250			
f	530		Da2	210			
h1	250		Da3	18			
h2	355		Dm1	220			
h3	276		Dm2	180			
m3	340		Dm3	18			
m4	250		x	8			
m5	90		y	8			
m6	90						
n3	250						
n4	200						
s1	19						
e	110						
w	65						
d	42						
l	110						

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Products you can rely on

Rovatti cataphoresis coating

Cataphoresis is an electrochemical coating process for cast iron components provided by Rovatti Pompe to improve protection from weather conditions, alkali and diluted acids.

Rovatti cataphoresis treatment is characterized by a high adhesion to the surfaces and uniformity of the coating also in the inner cavities of the component.

The result is a black semi-gloss protective layer with homogeneous thickness.

Rovatti cataphoresis treatment produces a reduced surface friction in the hydraulic channels improving pump efficiency and increasing driving motor life.

Components treated with the Rovatti cataphoresis coating are easily removable during the usual maintenance operations.



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Products you can rely on

Twinner System®

To make maintenance operation more efficient, it is essential to reduce the time and the cost of any intervention. The exclusive Twinner System® by Rovatti allows to easily operate on gland packing box without removing shaft support.



Available on many pumps of the wide Rovatti production range the Twinner System® consists of:

- Flange in two stainless steel halves that through a simple extraction greatly facilitates the replacing operations of stuffing-box packing.
- Easy to adjust and long-term functioning stuffing-box packing on stainless steel chromium coated bush.
- Stainless steel screws that allow easy disassembling, control and stuffing-box replacement procedures even after several operation hours.



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