

Product description

SN1F50-200-H-OB-TM-SS

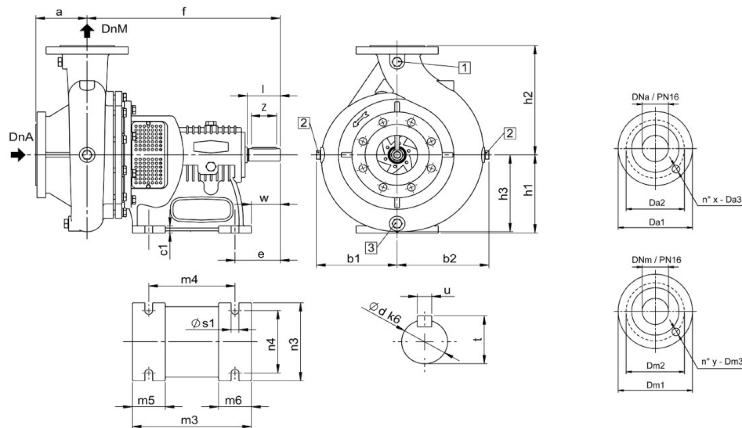
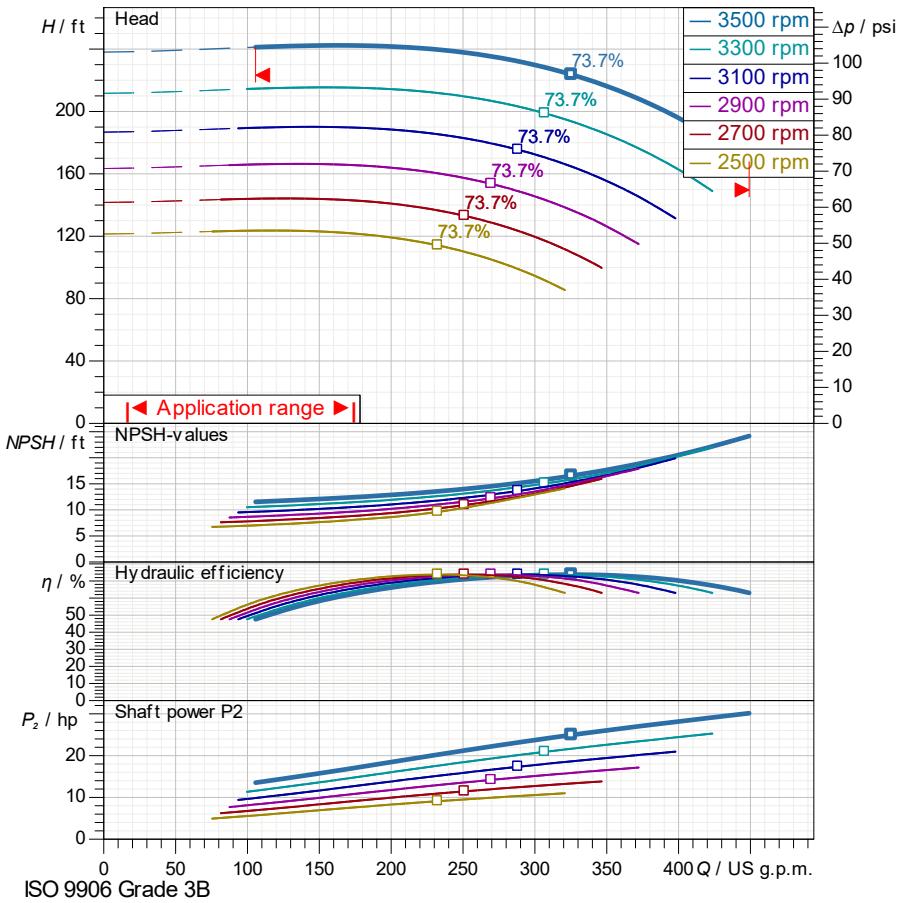
MEI ≥ 0,40

	Pos.no	Description	Item no	Qty.	UP / EUR	TP / EUR
1	1	High efficiency single-stage centrifugal pump				
2		Centrifugal pump: SN1F50-200-H-OB-TM-SS		1	Price on req.	Price on req.
3		Pump bodies Horizontal single-stage centrifugal pump with axial inlet, scroll outlet with upwards delivery flange laterally rotating 90° on both sides. Duty point Flow : / Head : Pump operating data Impeller diameter : 7.48 inch / Speed : 3500 rpm Flow : / Head : Shaft power P2 : / Efficiency : Head (Q = 0) : 238.1 ft Pump body : Cast iron Impeller : AISI 304 stainless steel Wear ring : Cast iron Support : Cast iron Bearing support : Cast iron Shaft : Stainless steel Max. solid contents : 0...60 g/m ³ Max. water temperature : 32 °F...194 °F Max. running time with Q=0 : 2 min				
4		Shaft seal: Mechanical seal		1		
5		Cover : Cast iron Spacer : Stainless steel Seal face : Graphite Seat : Ceramic Seal ring : NBR Spring : AISI 304 stainless steel				
6		Bearing bracket: Oil lubrication		1		
7		Bearings lubrication : Oil				

Technical data

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Dimensions in				inch	Total weight				105.82 lb
1	50-200	Da3	11/16	h1	6 5/16	n3	6 5/16		
a	15/16	Dm1	6 1/2	h2	7 7/8	n4	15/16		
b1	5 3/4	Dm2	15/16	h3	15/16	s1	9/16		
b2	6 1/4	Dm3	11/16	l	15/16	t	1		
c1	5/8	DNa	2 9/16	m3	9 1/16	u	5/16		
d	15/16	DNm	15/16	m4	6 5/16	w	1 3/4		
Da1	7 5/16	e	3 1/8	m5	2 3/4	x	3/16		
Da2	11/16	f	4 3/16	m6	2 3/4	y	3/16		

Operating data specification

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

Pump operating data

Design	SN1F50-200-H-OB-TM-SS
Impeller Ø	7 61/128 inch
Speed	3500 rpm
Flow	
Head	
Shaft power P2	
Efficiency	
Head (Q=0)	238 ft
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. running time with Q=0	2 min
Max. solids contents	0...60 g/m³
Max. pumped liquid temperature	32 °F...190 °F
Maximum density	62.3 lb/ft³
Maximum viscosity	1E-5 ft²/s

Materials

Pump body	Cast iron
Impeller	AISI 304 stainless steel
Wear ring	Cast iron
Support	Cast iron
Bearing support	Cast iron
Shaft	Stainless steel

Shaft seal

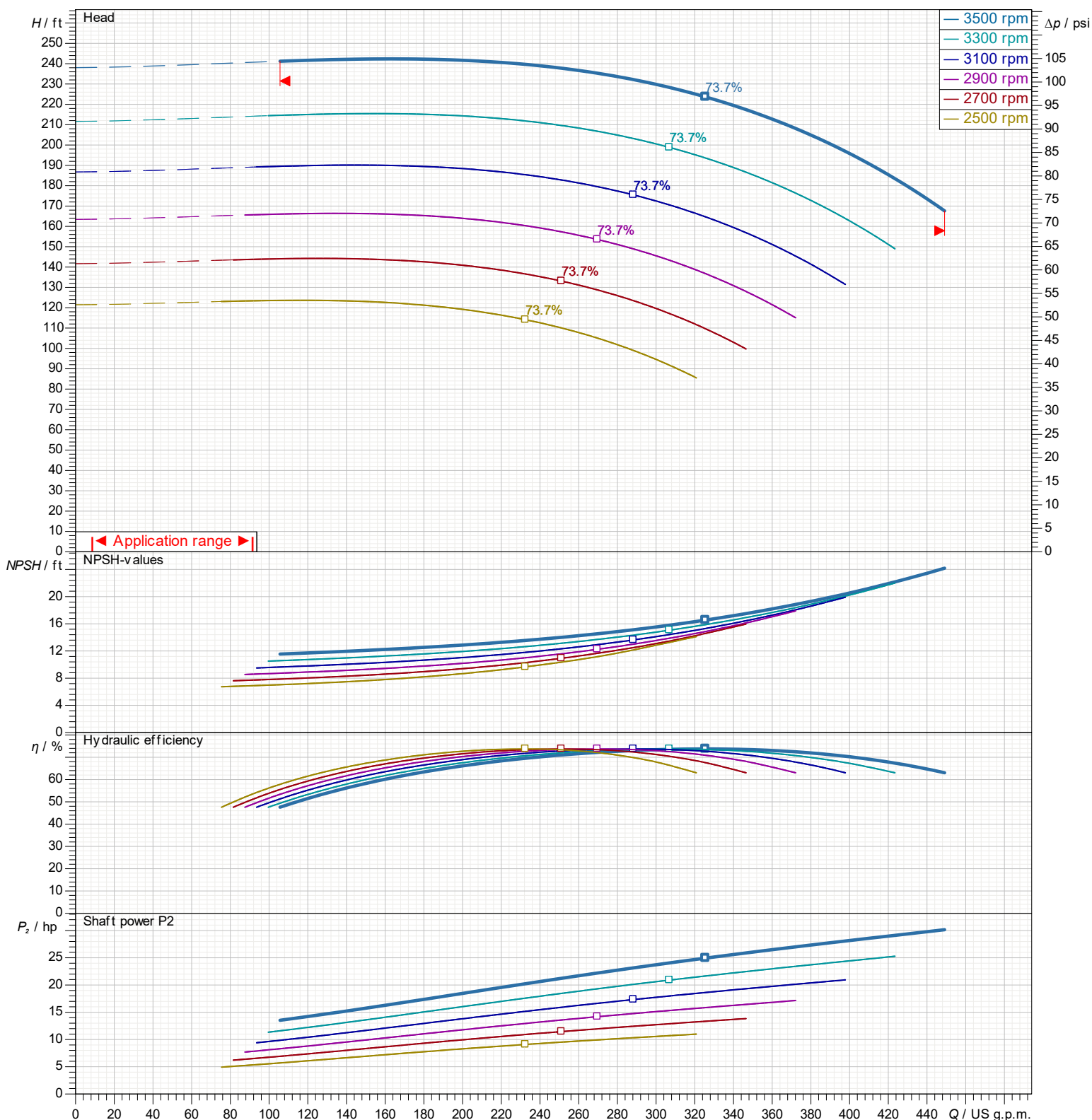
Cover	Cast iron
Spacer	Stainless steel
Seal face	Graphite
Seat	Ceramic
Seal ring	NBR
Spring	AISI 304 stainless steel

Performance curves

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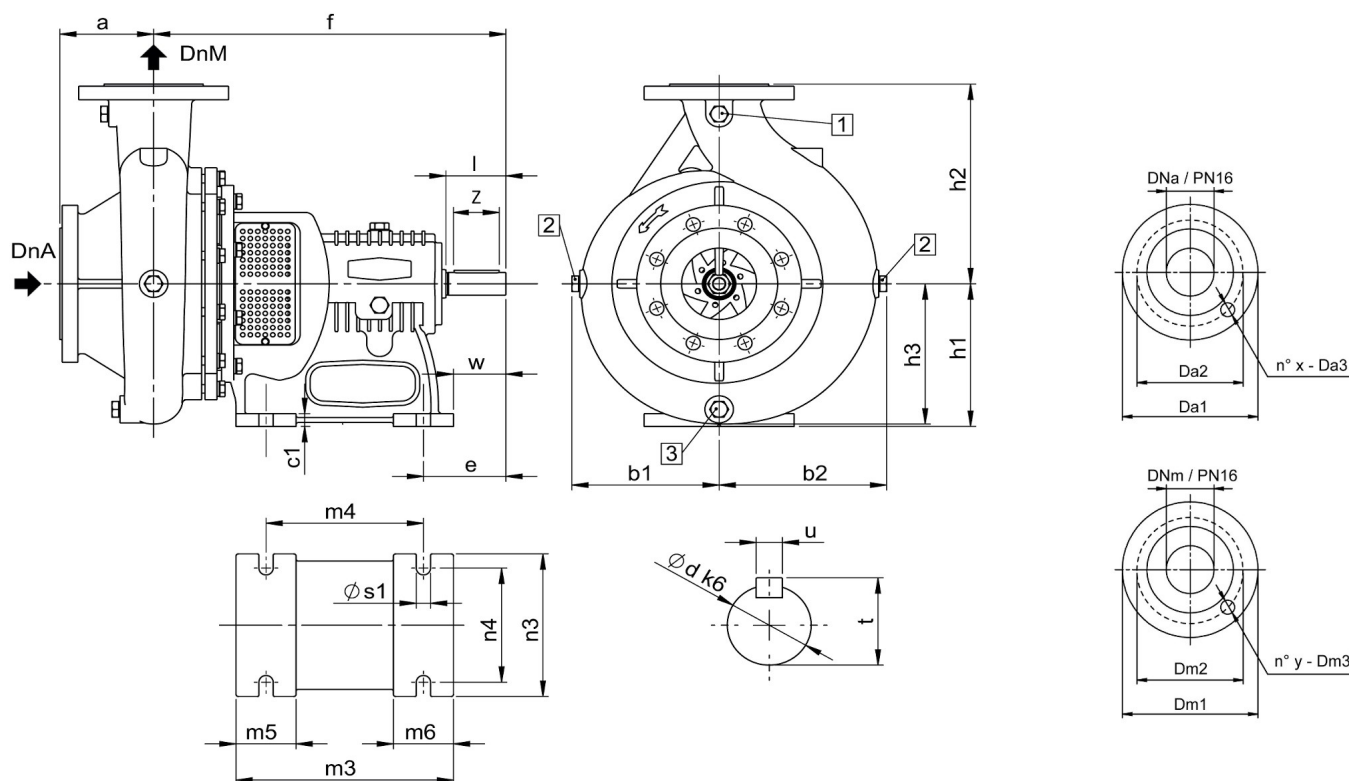
Performances				
Speed		3500 rpm	Density	998 kg/m³
Flow	Min.	105 5/8 US g.p.m.	Viscosity	1 mm²/s
Flow	Max.	449 US g.p.m.	Temperature	20 °C
Efficiency	Max.	326 US g.p.m.	Tolerances	ISO 9906 Grade 3B



Types of installation

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MEI ≥ 0,40



Total weight 105.82 lb

Dimensions in inch

1	50-200	m4	6 5/16		
a	3 15/16	m5	2 3/4		
b1	5 3/4	m6	2 3/4		
b2	6 1/4	n3	6 5/16		
c1	5/8	n4	4 15/16		
d	15/16	s1	9/16		
Da1	7 5/16	t	1		
Da2	5 11/16	u	5/16		
Da3	11/16	w	1 3/4		
Dm1	6 1/2	x	3/16		
Dm2	4 15/16	y	3/16		
Dm3	11/16				
DNa	2 9/16				
DNm	1 15/16				
e	3 1/8				
f	14 3/16				
h1	6 5/16				
h2	7 7/8				
h3	5 15/16				
l	1 15/16				
m3	9 1/16				