

Company		Date	23/10/2017
Project		Item	
Pump	SNT 100-160	Ref No.	

Liquid Data

Liquid	Water	Density	998.30 kg/m³
Temperature	20 °C	Viscosity	1.005 mm²/s
Vapor Pressure	2.2045 kPa	pH Value	7

Operating Point Data

Capacity	73.4 m³/h	NPSHr	0.9 m
Head	10.5 m	Motor Power	4.00 kW
Efficiency (%)	61.2	Speed	1430 rpm
Power at Duty Point	3.5 kW	Frequency	50 Hz
Impeller Diameter	Ø 184	Shut Off Head	10.7 m

Pump Data

Design	Single stage, radially split, volute casing type conforming to EN 733		
Installation	Horizontal	Direction Of Rotation	Clockwise from the drive end
Suction Flange	ANSI B16.5-Class 300-DN 125	Impeller Type	Radial impeller
Discharge Flange	EN 1092-2-PN16-DN 100	Pump Weight	80 kg
		Impeller construction	

Shaft Sealing

Type	Soft Packing	Material	
Make	Standart		

Materials

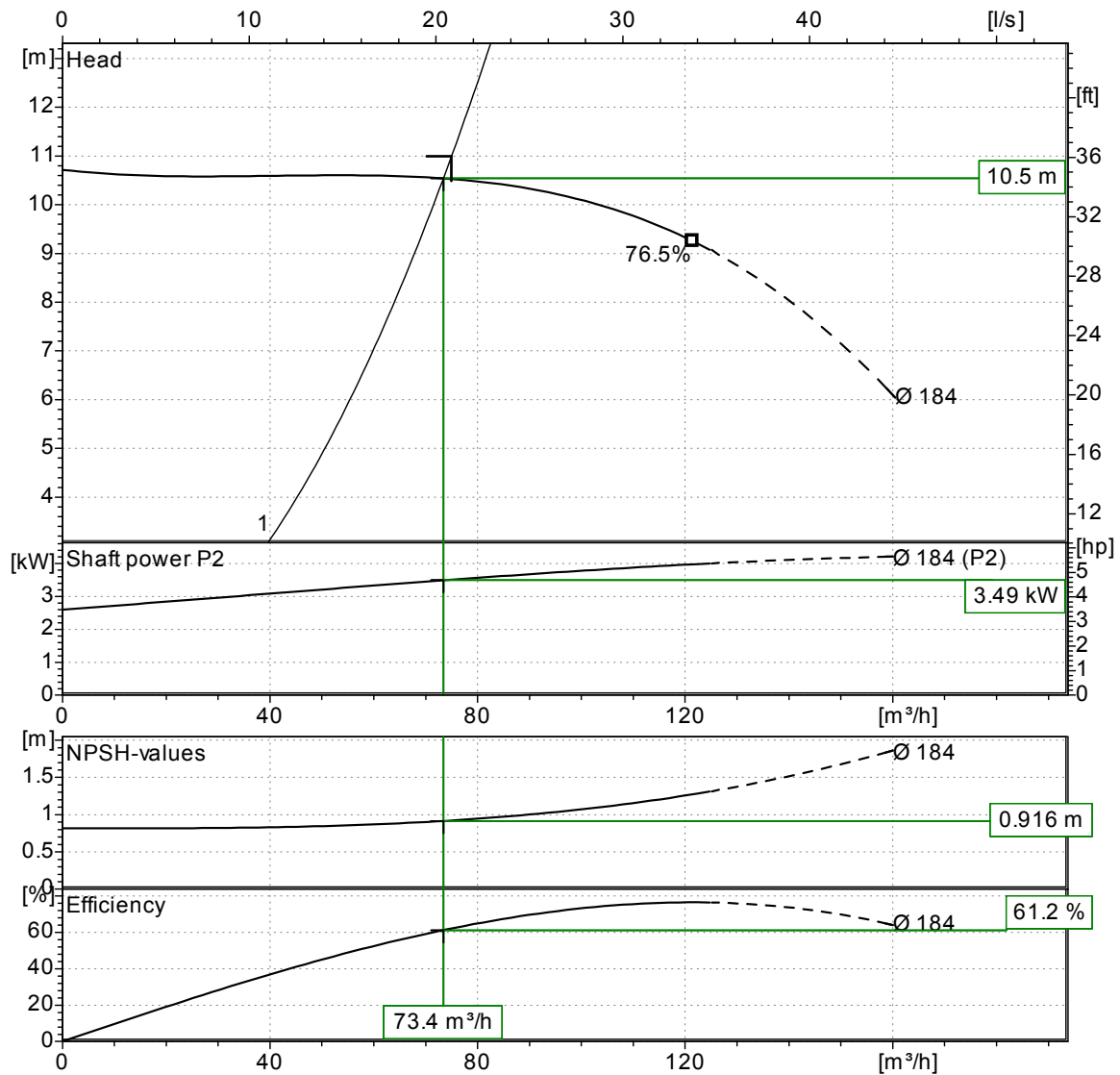
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Company		Date	23/10/2017
Project		Item	
Pump	SNT 100-160	Ref No.	

Operating Point Data

Capacity: 73.4 m³/h
Head: 10.5 m
Efficiency (%): 61.2
Power at Duty Point: 3.5 kW
Max. Shaft Power: 4.2 kW

NPSHr: 0.9 m
Motor Power: 4.00 kW
Speed: 1430 rpm
Frequency: 50 Hz
Density: 998.30 kg/m³

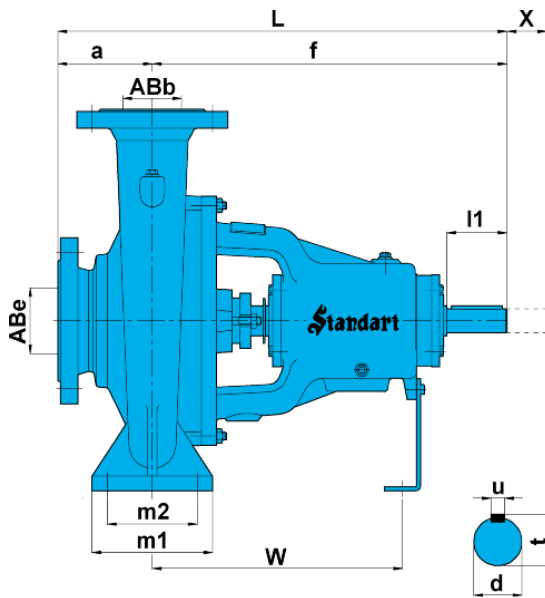


Curves are per ISO 9906:2012 Gr 3B
NPSHa > NPSHr + 1m

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Motor Data			
Efficiency Level		Frequency	50 Hz
Motor Name	4 kW-112 M 4	Motor Phase	3
Motor Power	4.0 kW	Service Factor	1.15
Line Power (P1)	0.00 kW	Insulation Class	F
Motor Power (P2)	4.00 kW	Degree of Protection	IP 55
Rated Speed	1450 rpm	Cos phi	0.00
Voltage	400 V	Efficiency	- %
Rated Current	8.50 A		--



Name	Value
A	125
ABb	100
ABc	125
d	32
f	470
Form	D1
h1	200
h2	280
kg	80
L	595
l1	80
m1	160
m2	120
n1	360
n2	280
n3	200
p	110
s1	19
s2	14
t	35
u	10
w	340
x	140

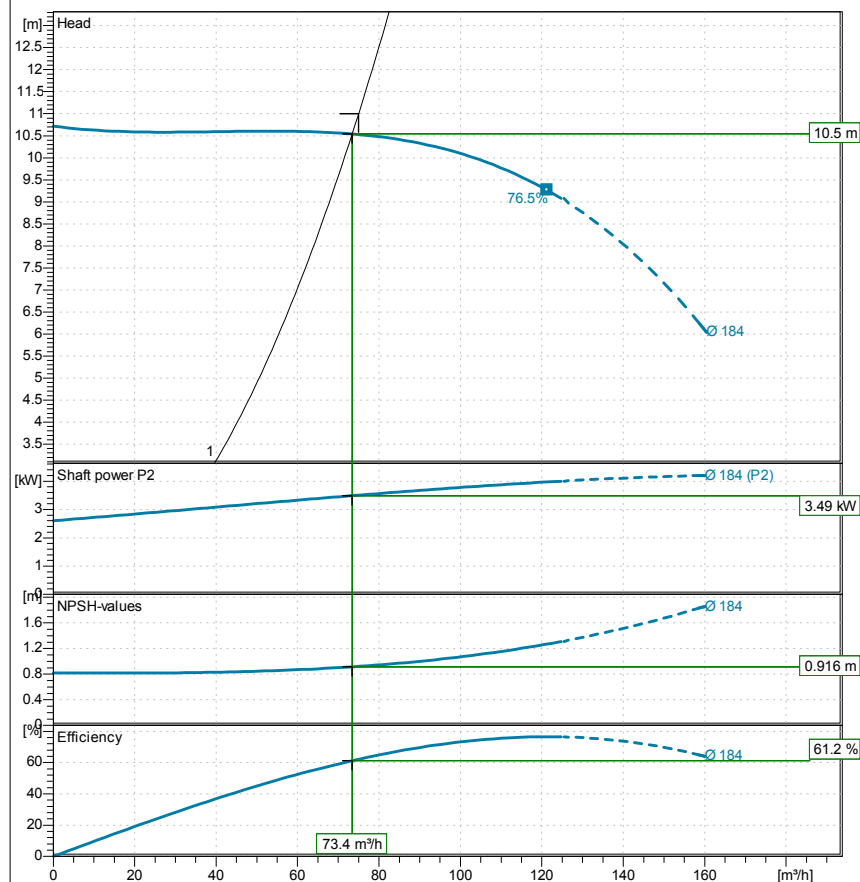
DATA SHEET

Operating Data		Materials	
Capacity	73.4 m ³ /h	Material combination Pump	
Head	10.54 m		
NPSHr	0.9 m		
Speed	1430 rpm		
Efficiency	%61.2		
Shaft power	3.5 kW		
Liquid	Water		
Temperature	20 °C		
Density/Viscosity	998 kg/m ³ / 1 mm ² /s	Shaft Sealing	Soft Packing
Pump Data		Motor Data	
Pump name	SNT 100-160	Manufacturer	
No. of stages	1	Rated Power	4 kW
Impeller	Ø 184	Frequency	50 Hz
Impeller type	Radial impeller	Motor Phase	3~
Suction Flange	ANSI B16.5-Class 300	Voltage	400 V
Suction Flange Diameter	DN 125	Insulation Class	F
Discharge Flange	EN 1092 PN16	Degree of protection	IP 55
Discharge Flange Diameter	DN 100	Type of protection	--
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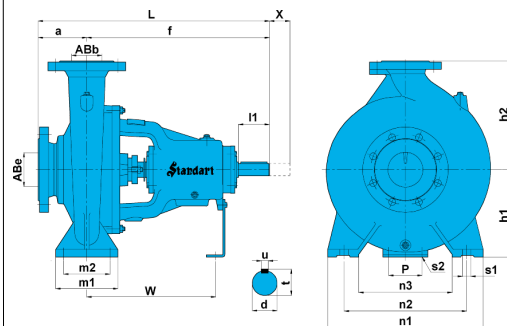
SNT 100-160

1430 rpm

Dimensions (mm)



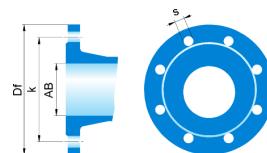
Pump



Name Value

A	125
ABb	100
ABe	125
d	32
f	470
Form	D1
h1	200
h2	280
kg	80
L	595
l1	80
m1	160
m2	120
n1	360
n2	280

Flanges



Suction Flange

AB = 125
Df = 279
k = 235
s = 22

Discharge Flange

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

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