

Performance Curve

SANISTAR C 102 D

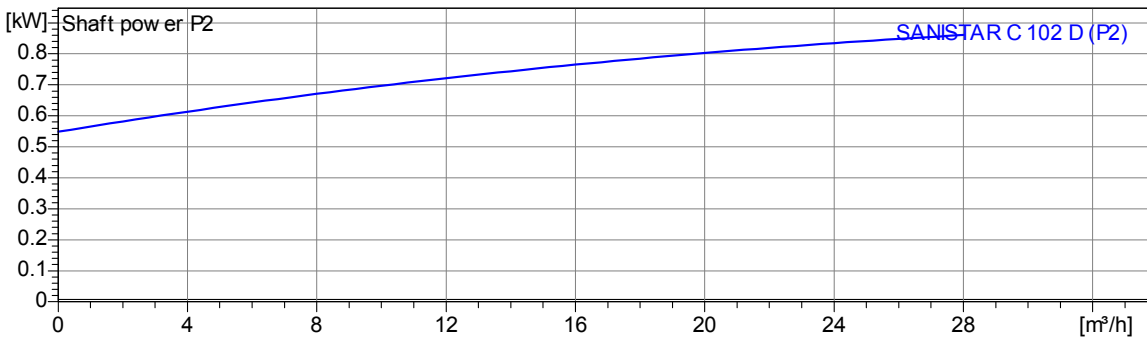
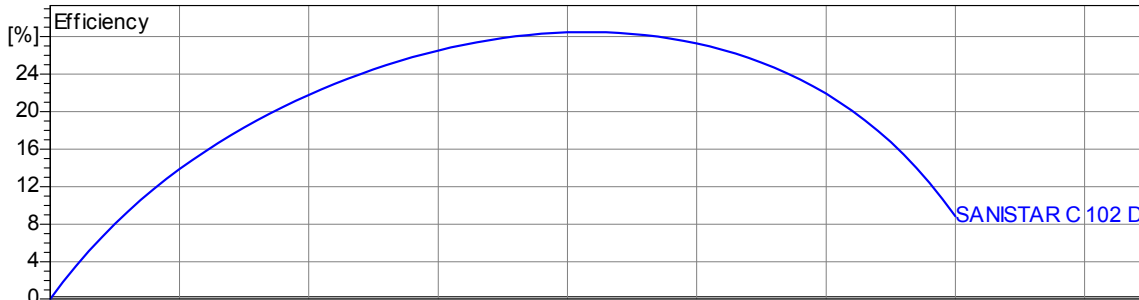
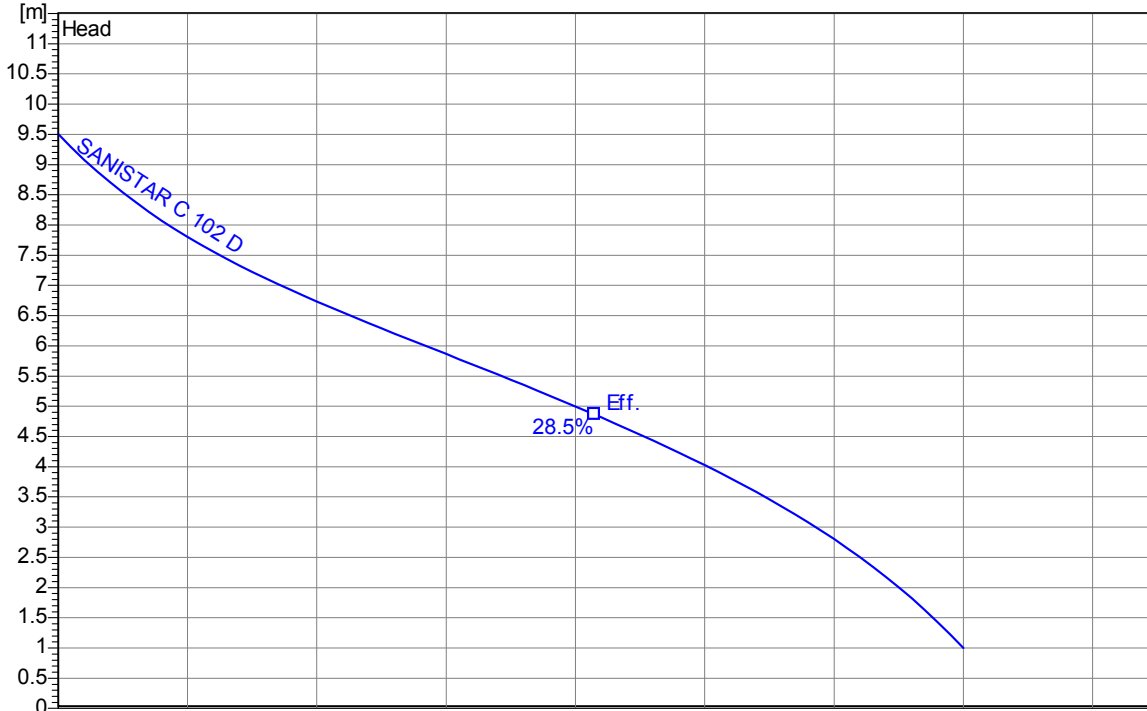


Impeller						
Impeller type: Vortex impeller	Solid size 40 mm	Ø:	Max. Ø: 110 mm	Min. Ø: 110 mm	Sel. Ø: 110 mm	

Operating data					
Speed: 2900 rpm	Frequency: 50 Hz	Duty point: Q = 0 m³/h	H = 0 m	Shaft power P2:	Discharge port: DN80

Power data referred to:
Water, clean [100%]; 20°C; 998.3kg/m³; 1.005mm²/s

Testnorm: ISO9906 Sect. 4.4.2



2.3.7 - 14/03/2012 (Build 345)

Project	Project no.:	Created by:	Page: 2	Date: 26/05/2014
---------	--------------	-------------	------------	---------------------

Dimensions

SANISTAR C 102 D

Dry well installation
Dimensions in mm, le

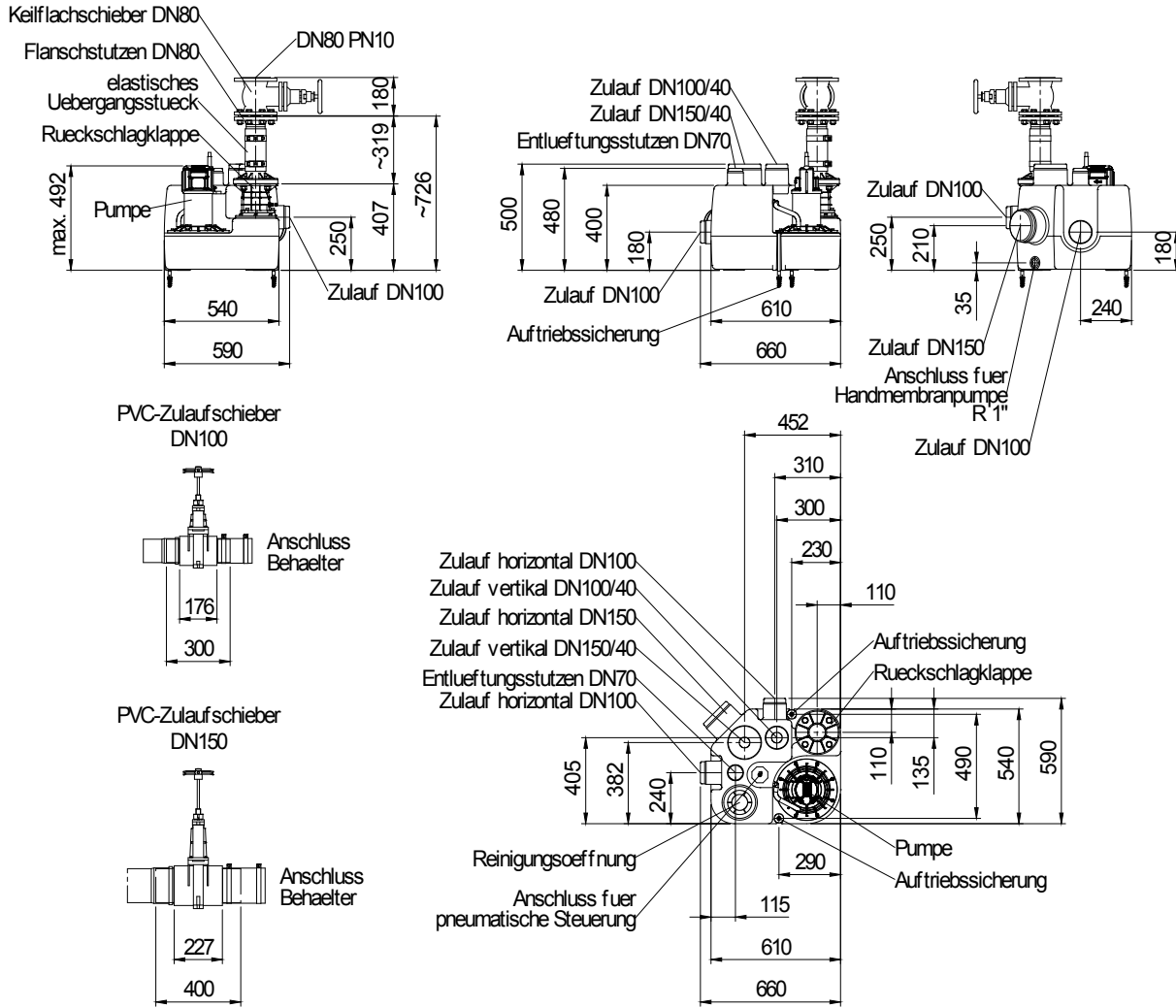


Table Dimensions (mm)

--	--	--

2.3.7 - 14/03/2012 (Build 345)

Project	Project no.:	Created by:	Page: 3	Date: 26/05/2014
---------	--------------	-------------	------------	---------------------

Technical Data

SANISTAR C 102 D



Operating data					
Flow	0 m³/h	m³/h	Head	0	m
Shaft power P2		kW	Geodetic head	0	m
Pump efficiency	s	%	Required pump NPSH		m
Pumpe type	Single head pump		No. of pumps	1	
Fluid	Water, clean		Temperature	20 °C	
Density	998.3	kg/m³	Kin. viscosity	1.005	mm²/s

Pump					
Pump Code	SANISTAR C 102 D		Speed	2900	rpm
Suction port			Head	Max.	9.5 m
Discharge port	DN80			Min.	1.0 m
Impeller type	Vortex impeller		Flow	Max.	28.0 m³/h
Solid size	40	mm	Pump efficiency max.	28.5 %	
Impeller Ø	110	mm	Required rated power max. P2	0.9	kW

Motor					
Motor version	Submersible motor		Insulation class	F	
Motor name	AM 120CM1,2/2 D		Degree of protection	IP 68	
Frequency	50	Hz	Temperature class		
Rated power P1	1.2	kW			
Rated power P2	0.8	kW	Explosion protection		
Rated speed	2900	rpm	Efficiency	100%	72 %
Rated voltage	400	V 3~	at % rated power	75%	%
Rated current	2.2	A		50%	%
Starting current, direct starting	10.5	A	cos phi	100%	0.83
Starting current, star-delta	3.	A	at % rated power	75%	
Starting mode	Directly			50%	
Power cable	6G1		Control cable		
Type of power cable	H07RN-F		Type of control cable		
Cable length	3 m		Service factor	1.15	
Shaft seal	Lip seals		Nitrile Rubber		
Bearing	Lower Bearing		Deep Groove Ball Bearing		
	Upper Bearing		Deep Groove Ball Bearing		
Remarks	s				

Materials / Weight			
Collecting tank	Polyethylene	Motor shaft	Stainless steel 1.4104
Impeller	Cast steel GS52	Swing check valve housing	Plastic PP-GF
Pressure cover of the pump	Plastic PP-GF	Pressure cover Flap valve	Grey cast iron EN-GJL-250
Motor housing cover	Plastic PP-GF	Bolts	Stainless steel
Motor housing	Stainless steel 1.4301	Elastomeres	Nitrile Rubber
Weight aggregat	32 kg		

Project	Project no.:	Created by:	Page: 4	Date: 26/05/2014
---------	--------------	-------------	------------	---------------------

2.3.7 - 14/03/2012 (Build 345)