



water solutions

Data sheet

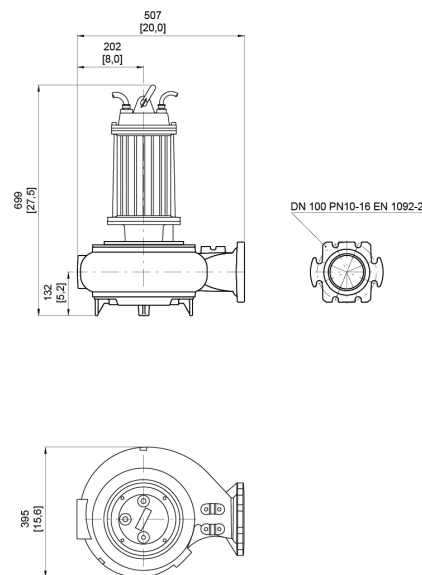
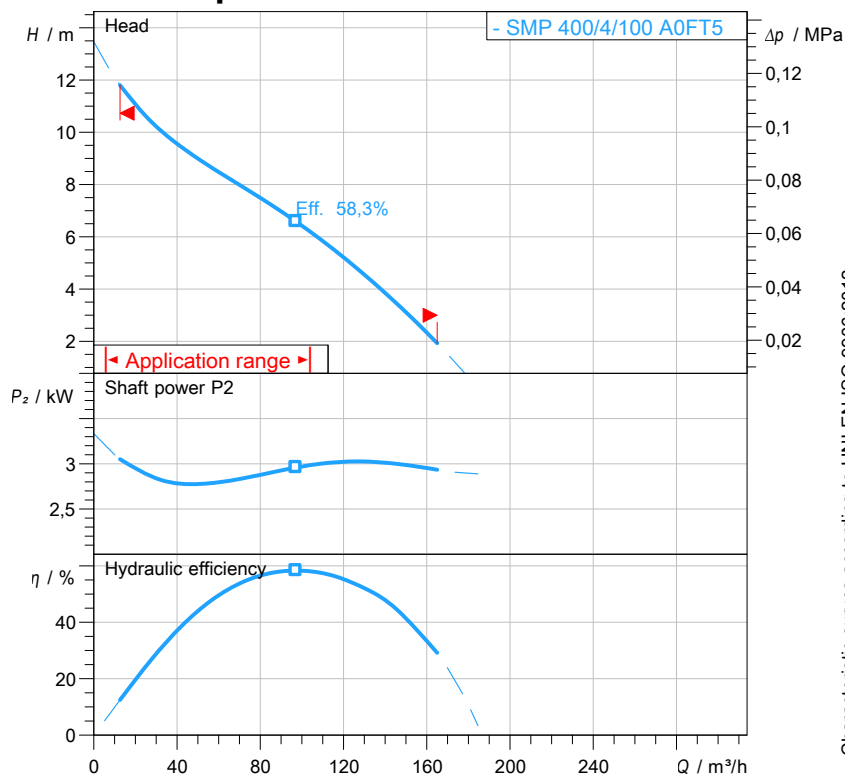
SMP 400/4/100 A0FT5

P

series

Technical specification

3~ 50 Hz

[mm
[inch]

Pump

Series	P series
Pump name	SMP 400/4/100 A0FT5
Configuration	NGTAC81040N00NN
Standard	EN 809:2009
ATEX mark	-

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	3,00 kW
Incoming power P1	4,10 kW
Rated current	7,90 A
rpm	1428 1/min
cos φ	0,75
Rated torque	20,1 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	SM (Single-channel closed impeller)
Free passage	100 x 75 mm
Impeller type	Closed channel impeller
Max. hydraulic efficiency	58,3 %
Suction	-
Discharge	DN 100 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
Max. immersion depth	20 m
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	2017-10-11 S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel - AISI 431
Hydraulic	Cast iron - EN-GJL 250
Impeller	Cast iron - EN-GJL 250
Painting/Coating	Bi-epoxy 150 µm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1.5
Control cable	2G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (SiC) and 1 in alumina graphite (AL)
Additional drilling	-
Weight*	81 kg
Electrical variant	Thermal protection

* cable's weight not included

Rev. 0 - 16-12-2014

All data shown are not binding. Zenit reserves the right to change data and dimensions without notice.

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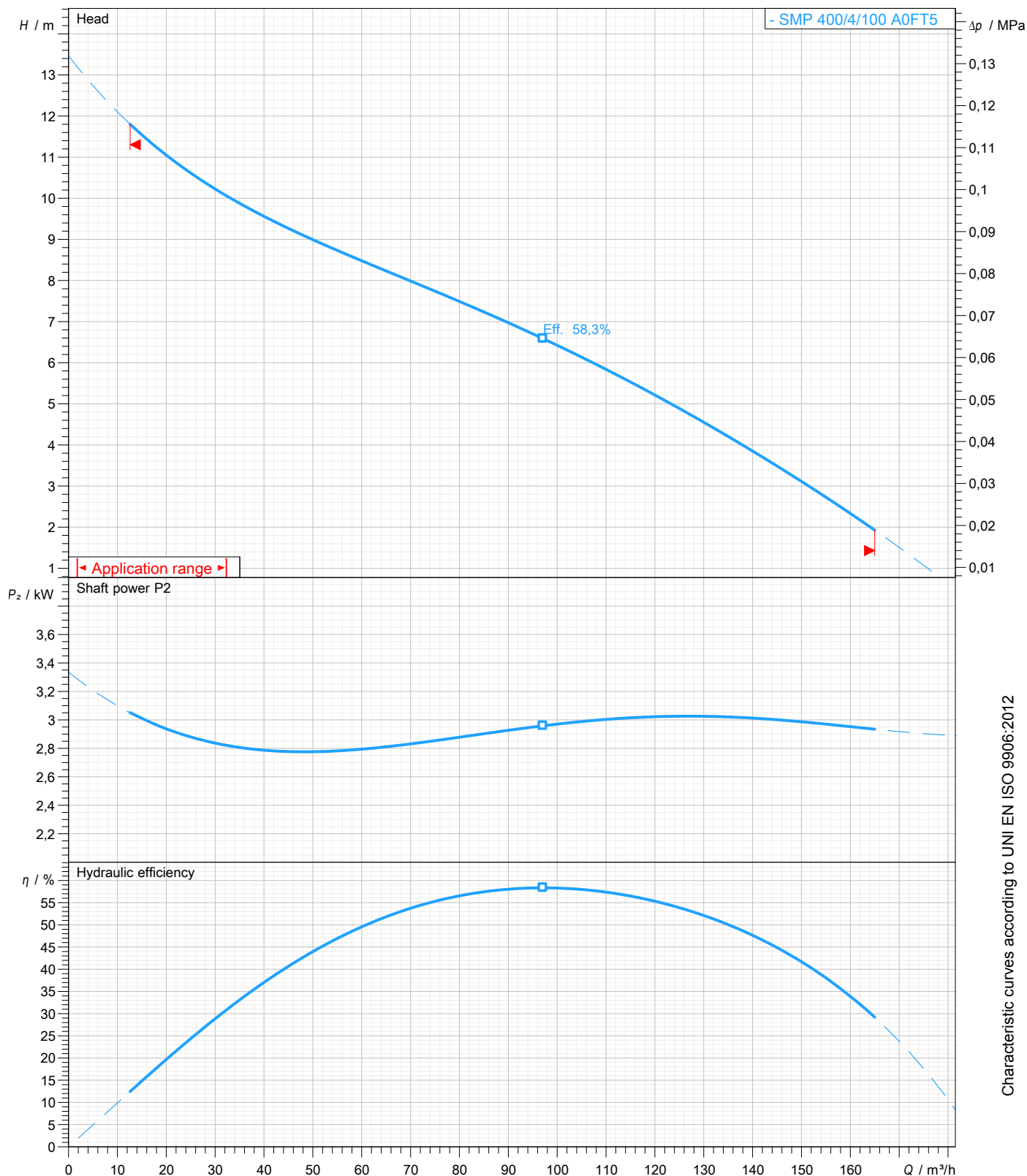
P

series

Pump performance curves

3~ 50 Hz

Hydraulic type SM (Single-channel closed impeller)	Impeller type Open channel impeller	Free passage 100 x 75 mm	Discharge DN 100	Suction -
DUTY POINT				
Flow	Head	Shaft power P ₂	Hydraulic efficiency	Density 998,3 kg/m ³
				Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012

Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Horizontal outlet

WET/DRY use: WET

Discharge: DN 100 EN 1092-2

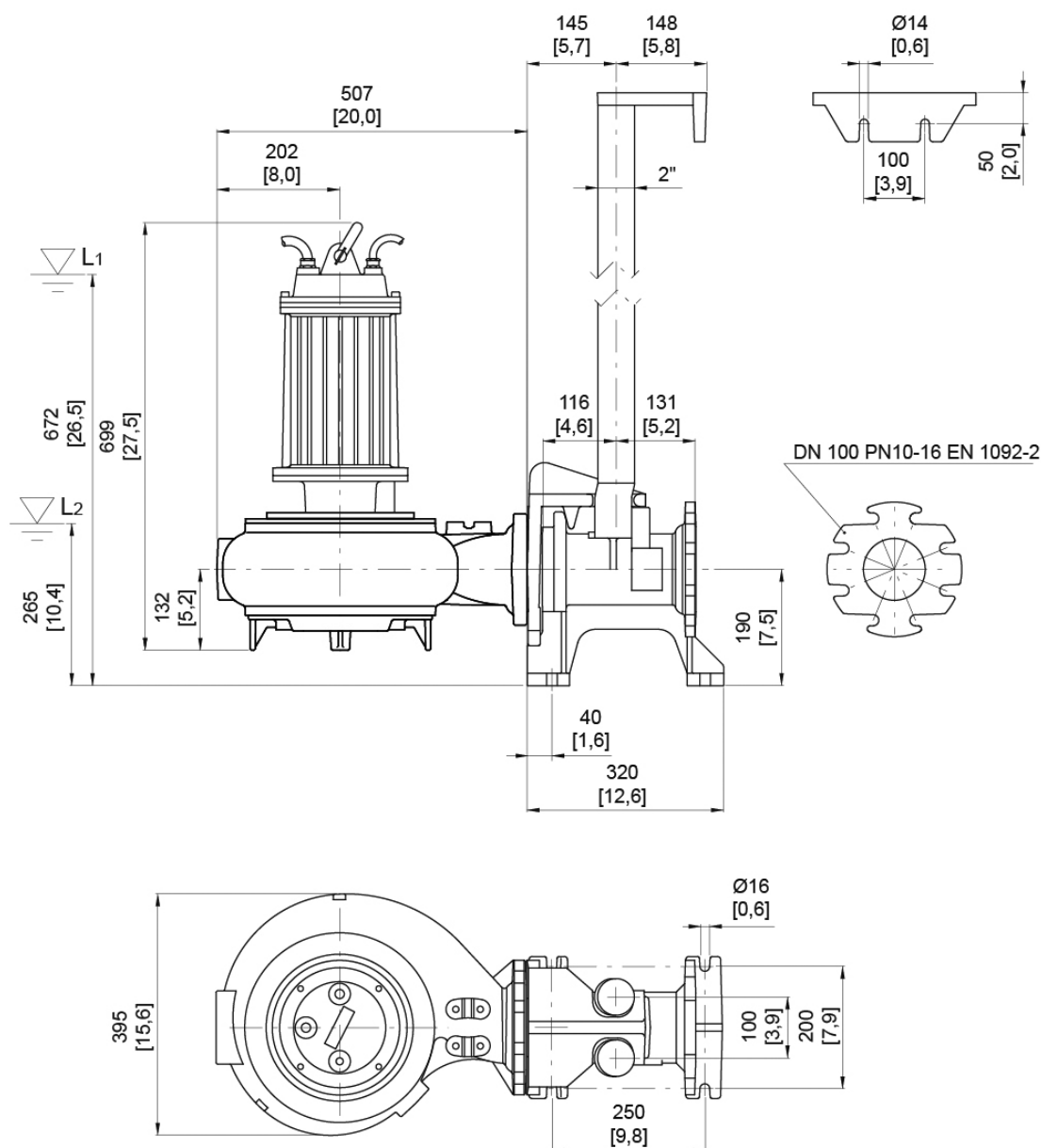
Suction: -

Pressure rating (suction/discharge): PN 10

Accessory *: DAC 100/100H+KAF 116-2" EN (P)

Accessory code * : 9001.019

* Accessory must be ordered separately



L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)

[mm
[inch]]