



water solutions

Data sheet

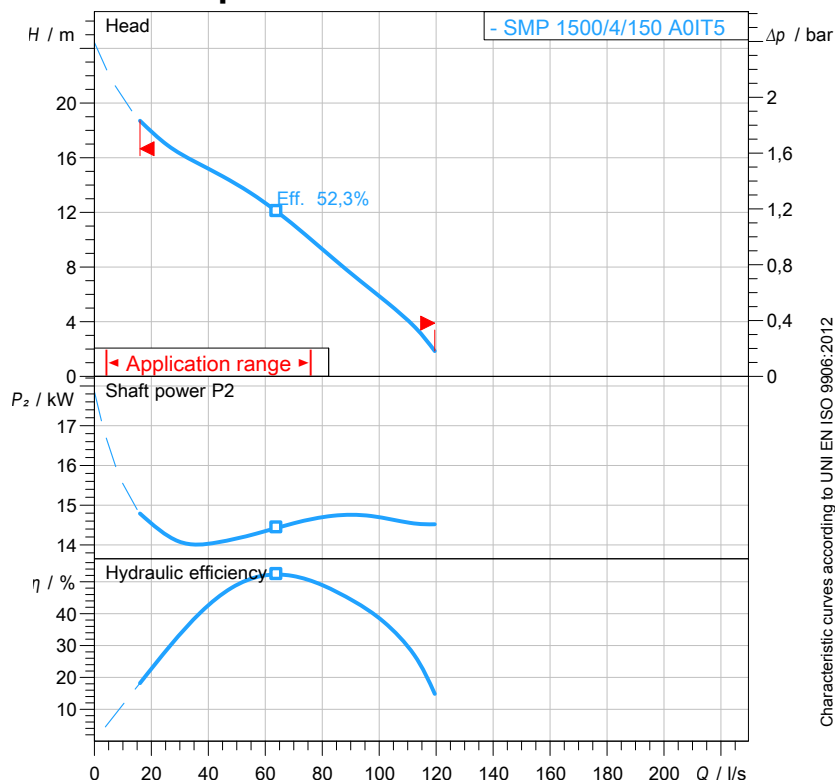
SMP 1500/4/150 A0IT5

P

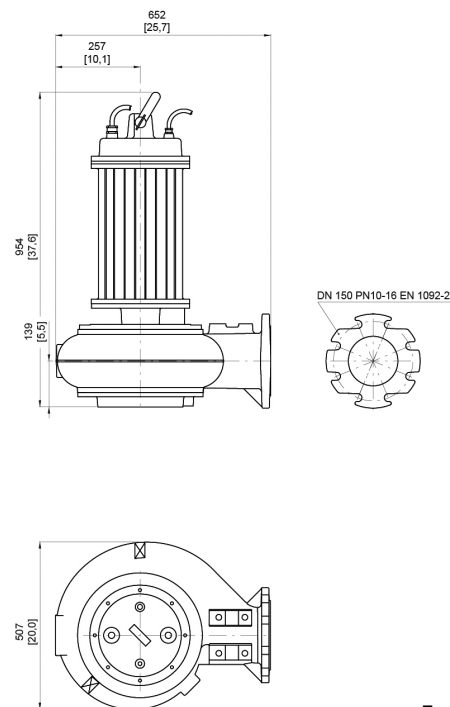
series

Technical specification

3~ 50 Hz



Characteristic curves according to UNI EN ISO 9906:2012
P₂ < 10 kW: paragraph 4.4.2
10 kW < P₂ < 100 kW: Grade 3B
P₂ > 100 kW: Grade 2B

[mm
[inch]

Pump

Series	P series
Pump name	SMP 1500/4/150 A0IT5
Configuration	NGTAC8104YN00NN
Standard	EN 809:2009
ATEX mark	-

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P ₂	14,70 kW
Incoming power P ₁	17,50 kW
Rated current	31,18 A
rpm	1472 1/min
cos φ	0,81
Rated torque	95,4 Nm
Start	Star-delta
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	SM (Single-channel closed impeller)
Free passage	110 x 95 mm
Impeller type	Closed channel impeller
Max. hydraulic efficiency	52,3 %
Suction	-
Discharge	DN 150 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/m ³
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	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	2 x 4G6
Control cable	2G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (SiC) and 1 in alumina graphite (AL)
Additional drilling	-
Weight*	206 kg
Electrical variant	Thermal protection

* cable's weight not included

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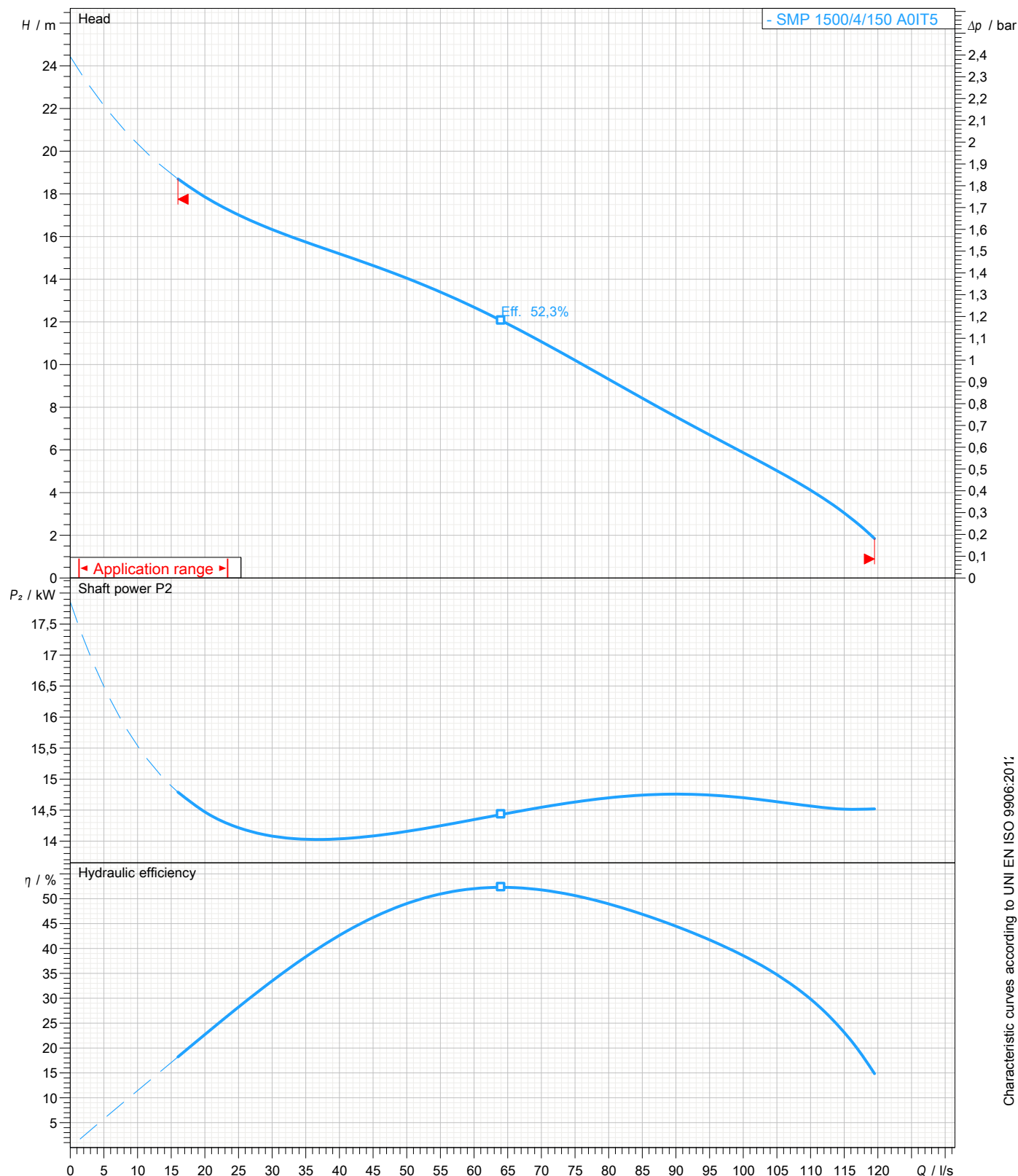
P

series

Pump performance curves

3~ 50 Hz

Hydraulic type SM (Single-channel closed impeller)		Impeller type Closed channel impeller	Free passage 110 x 95 mm	Discharge DN 150	Suction -
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2011:
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Horizontal outlet

WET/DRY use: WET

Discharge: DN 150 EN 1092-2

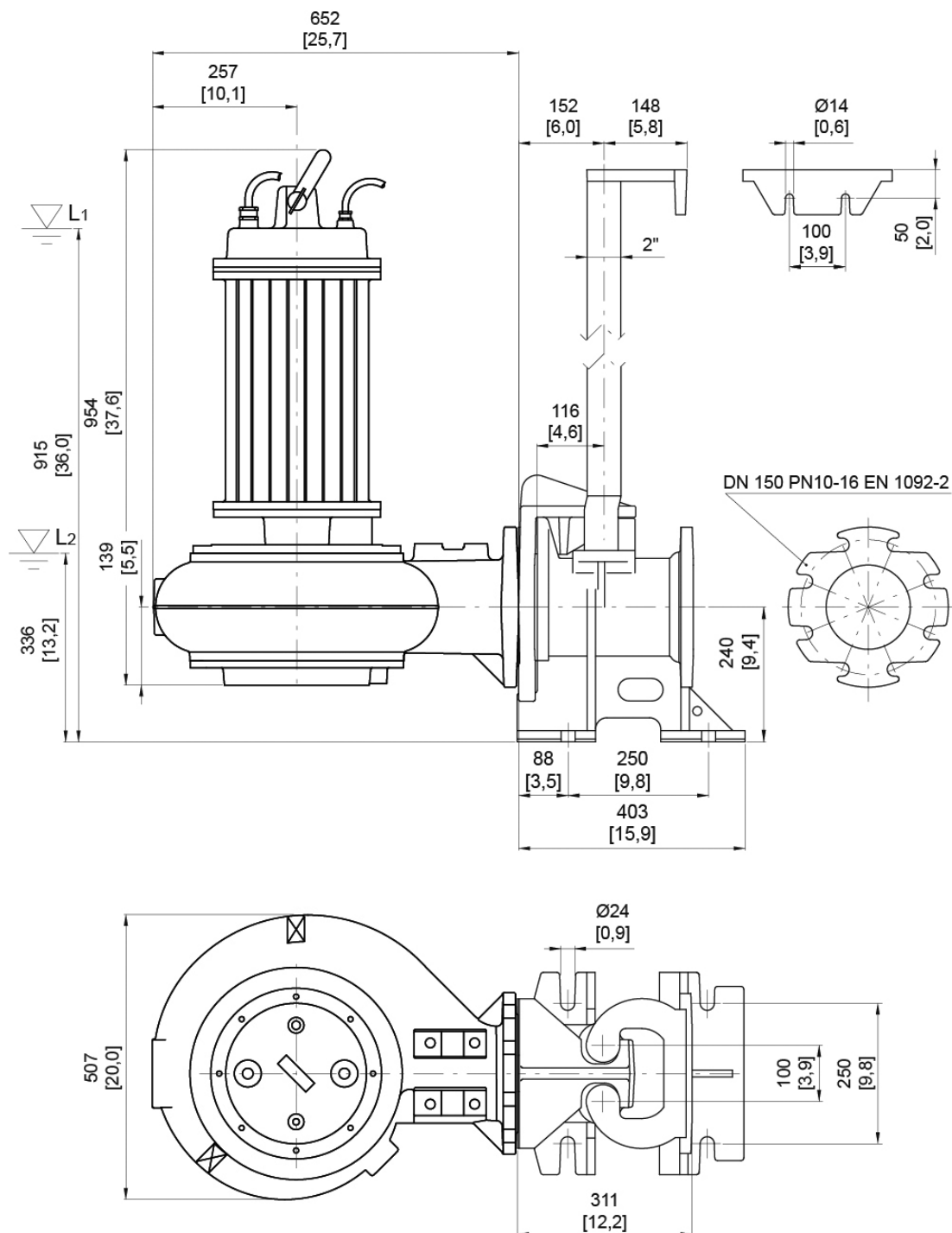
Suction: -

Pressure rating (suction/discharge): PN 10

Accessory *: DAC 150/150H+KAF 116-2" EN (P)

Accessory code * : 9001.009

* Accessory must be ordered separately



L1: Minimum operating level for continuous use

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

[mm
[inch]