



water solutions

Data sheet

DRN 400/2/65 A1FT5

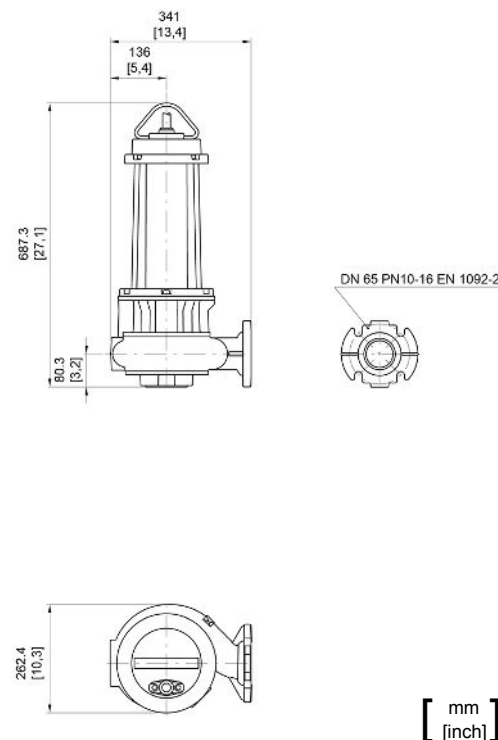
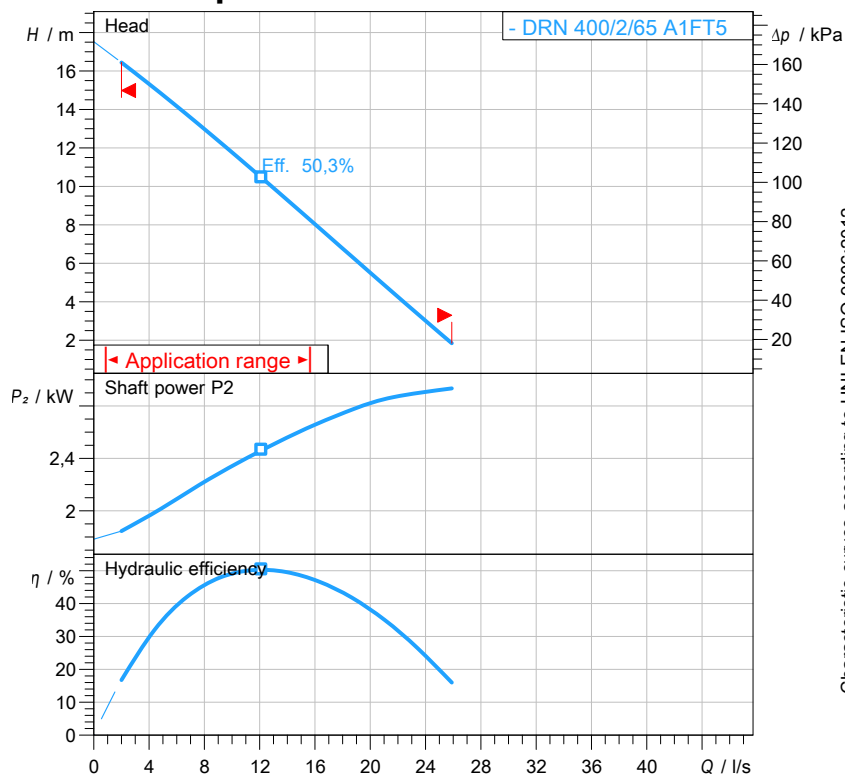


N

series

Technical specification

3~ 50 Hz



Pump

Series	N series
Pump name	DRN 400/2/65 A1FT5
Configuration	NGTAB51040S00EX
Standard	ATEX 94/9/CE
ATEX mark	II 2 GD Ex db k IIB T5 Ex tb IIIC T100°C IP68

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	3,00 kW
Incoming power P1	4,00 kW
Rated current	6,7 A
rpm	2842 1/min
cos φ	0,87
Rated torque	10,1 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	50 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	50,3 %
Suction	DN 65 EN 1092-2
Discharge	DN 65 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	30 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	Viton
Cooling jacket (if present)	Carbon steel

Construction features

Cooling system	No cooling jacket
Main cable	4G2.5+3x1
Control cable	-
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	74 kg
Electrical variant	Thermal protection

* cable's weight not included

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

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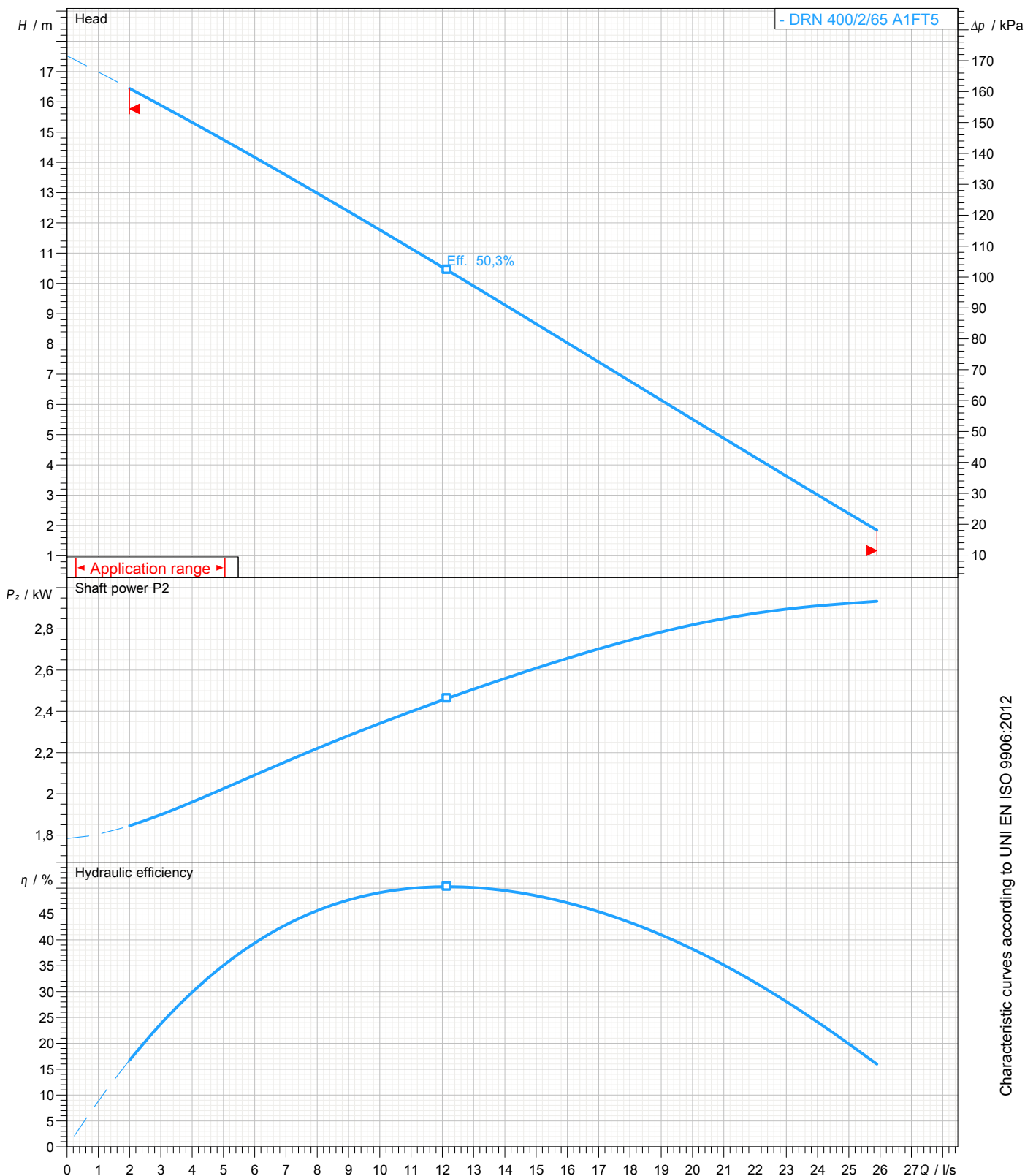
N

series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 50 mm	Discharge DN 65	Suction DN 65
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 9906:2012



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Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Vertical outlet

WET/DRY use: WET

Discharge: DN 65 EN 1092-2

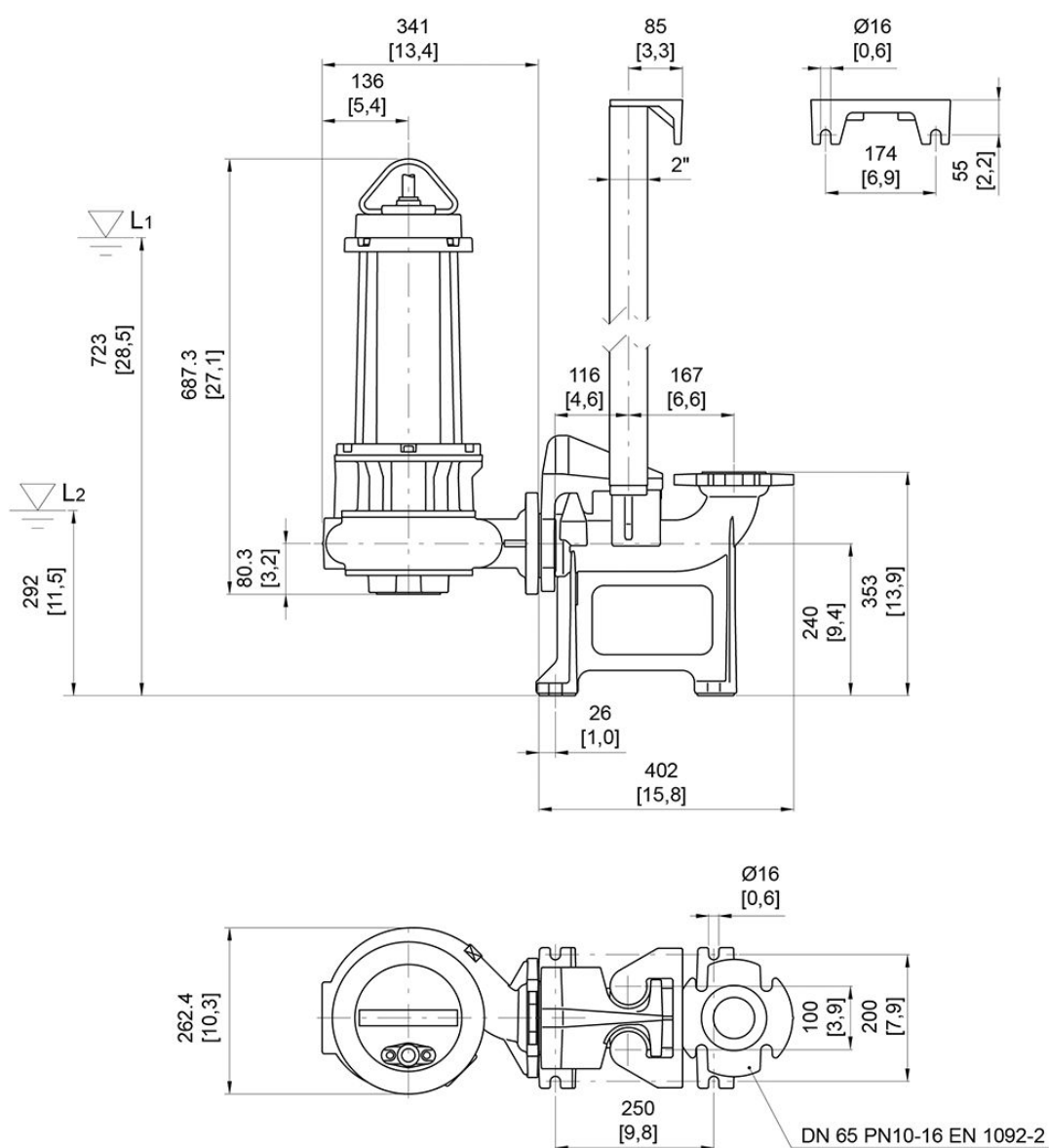
Suction: DN 65 EN 1092-2

Pressure rating (suction/discharge): PN 6/PN 10

Accessory *: DAC 65/65V+KAF 116-2" EN (P)

Accessory code *: 9001.031

* Accessory must be ordered separately



L1: Minimum operating level for continuous use

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

[mm]
[inch]

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