



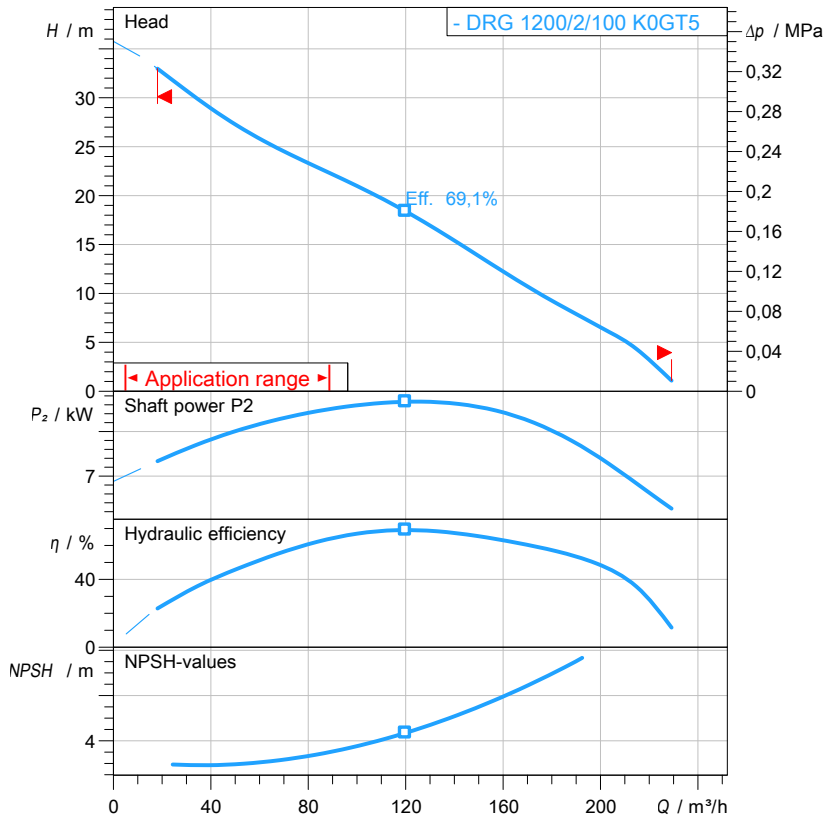
water solutions

Data sheet

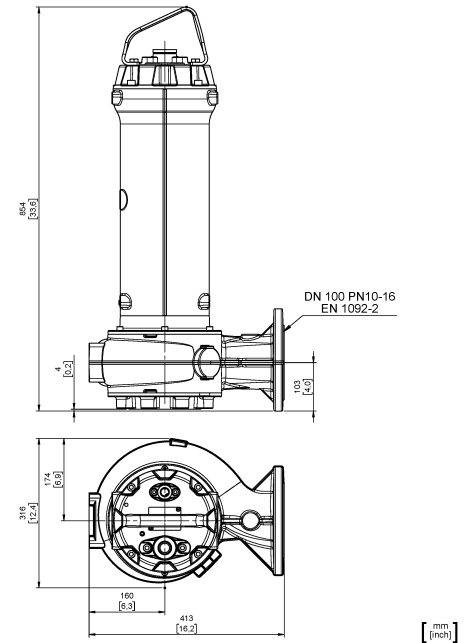
DRG 1200/2/100 K0GT5

GREY
series

Technical specification

3~ 50 Hz


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

[mm
(inch)]

Pump

Series	GREY series
Pump name	DRG 1200/2/100 K0GT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	9 kW
Incoming power P1	10,4 kW
Rated current	16,1 A
rpm	2894 1/min
Efficiency	86,7 %
cos φ	0,928
Rated torque	29,7 Nm
Start	Star-delta
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	45 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	69,1 %
Suction	DN 100 UNDRILLED
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
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 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	7G1,5+3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	114,5 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

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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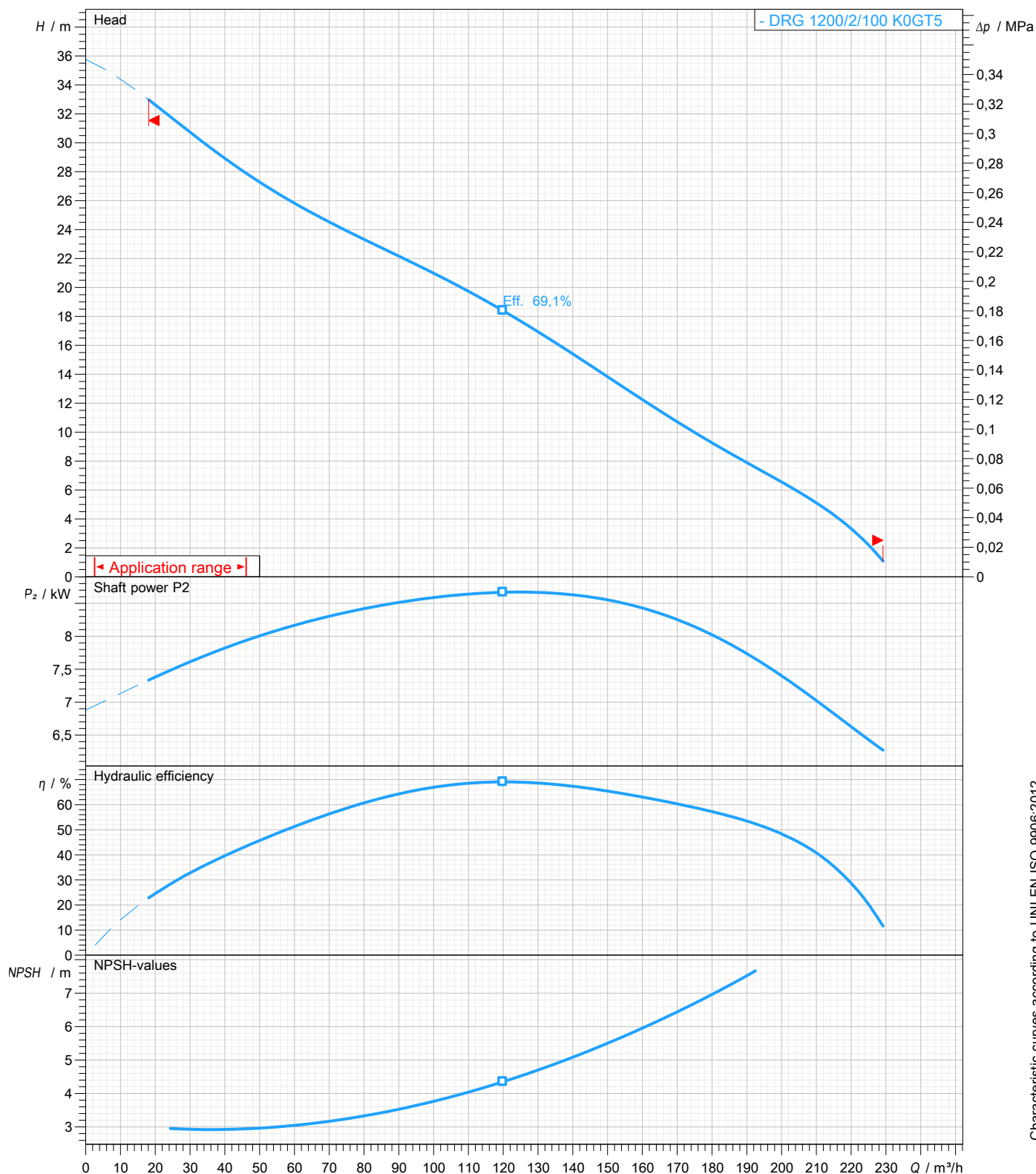
DRG 1200/2/100 K0GT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 45 mm	Discharge DN 100	Suction DN 100
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



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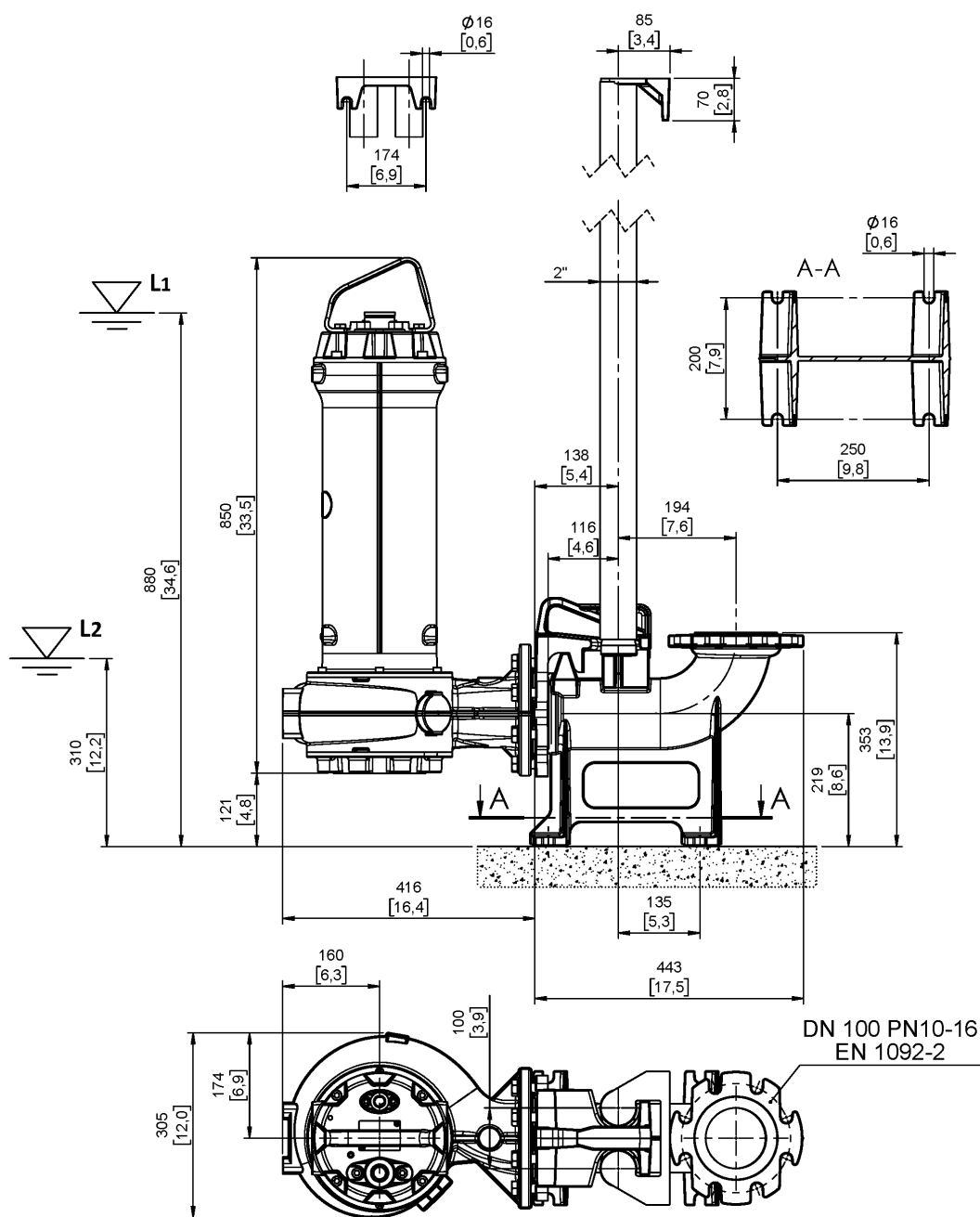


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Data sheet

DRG 1200/2/100 K0GT5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 100 EN 1092-2	Suction: DN 100 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 100/100V+KAF 116-2" EN (P)		Accessory code 9001.033
Note: Accessory must be ordered separately		

[mm
[inch]

L1: Minimum operating level for continuous use

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

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