



water solutions

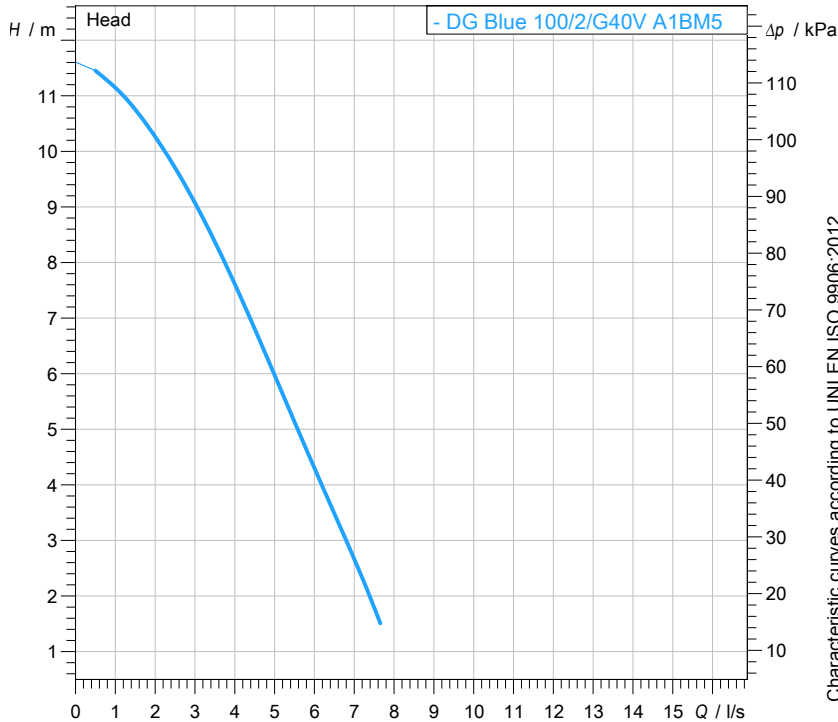
Data sheet

DG Blue 100/2/G40V A1BM5

blue
series

Technical specification

1~ 50 Hz


 [mm]
[inch]

Pump

Series	Blue series
Pump name	DG Blue 100/2/G40V A1BM5
Configuration	NPTGB41H23N00CX
Standard	IEC 60079-0
IECeX mark	Ex nA nC IIC T3 Gc
ATEX mark	II 3G k Ex nA nC IIC T3 Gc

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m ³
Max. immersion depth	10 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

Motor data

Rated voltage	230 V
Frequency	50 Hz
Motor phases	1~
Number of poles	2
Rated power P2	0,74 kW
Incoming power P1	1,20 kW
Rated current	5,6 A
rpm	2760 1/min
cos φ	0,97
Rated torque	2,6 Nm
Start	
Degree of protection	IP 68
Insulation class	F

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel - AISI 431
Hydraulic	Cast iron - EN-GJL 250
Impeller	Technopolymer
Painting/Coating	Bi-epoxy 80 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR
Foot base (if present)	Polypropylene

Hydraulic

Type	DG (Set-back Vortex)
Free passage	40 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	
Suction	-
Discharge	G 1" 1/2 -
Curve tolerance	UNI EN ISO 9906:2012

Construction features

Main cable	3G1
Control cable	-
Cable length	10 mt - Shuko plug
Mechanical seals	1 in silicon carbide (SiC) and 1 in alumina graphite (AL)
Additional drilling	-
Weight*	15,5 kg
Electrical variant	Thermal protection, capacitor and float switch (on the motor cover)

* 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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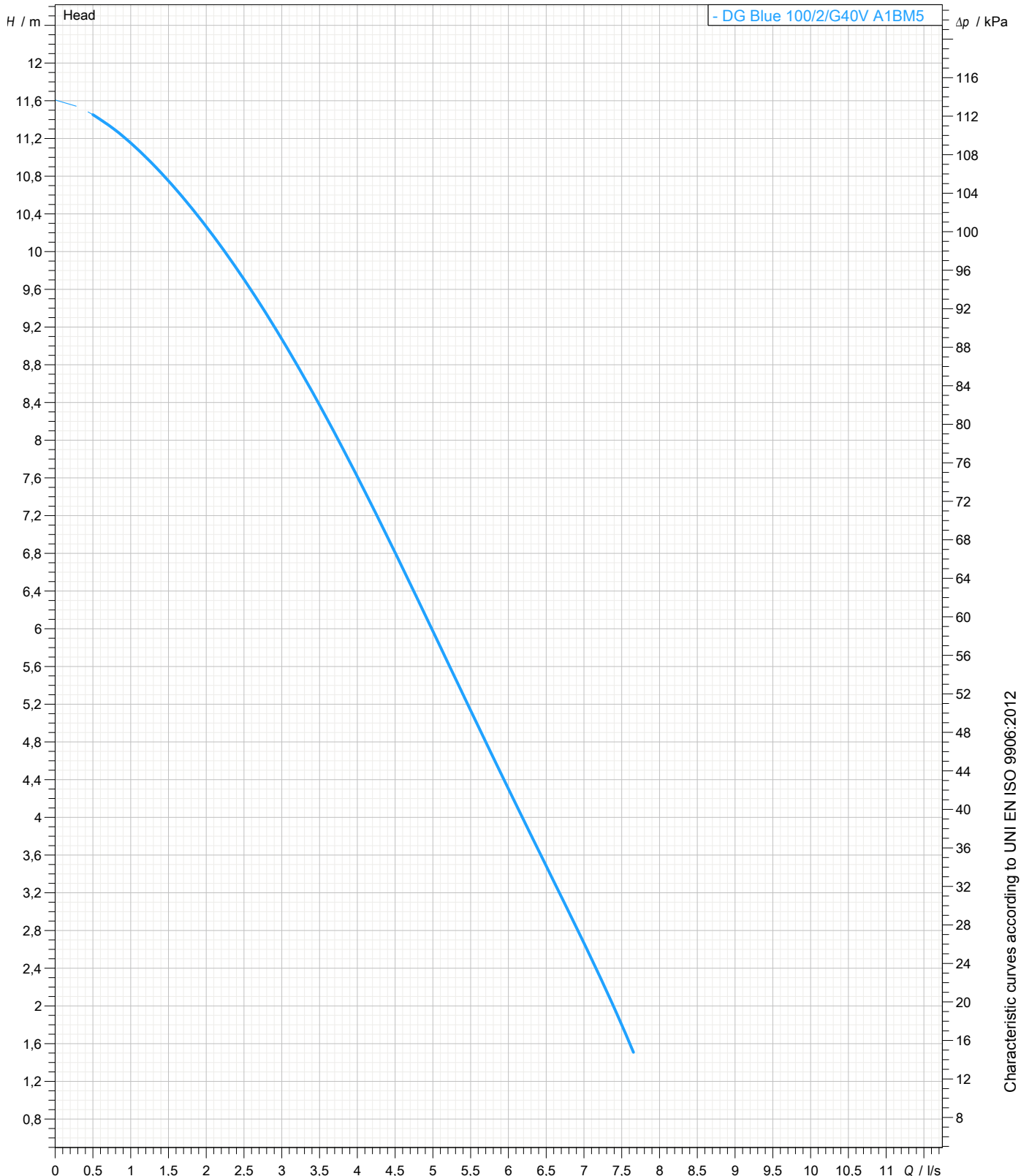
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Pump performance curves

1~ 50 Hz

Hydraulic type DG (Set-back Vortex)	Impeller type Set-back Vortex impeller	Free passage 40 mm	Discharge G 1" 1/2	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 9906:2012



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Dimensional drawing

1~ 50 Hz

Installation type Installation with bottom coupling device - Vertical outlet + GTP

WET/DRY use: WET

Discharge: G 1" 1/2 -

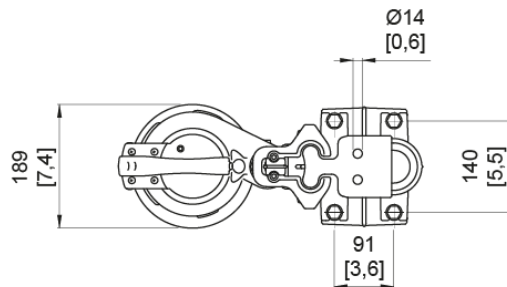
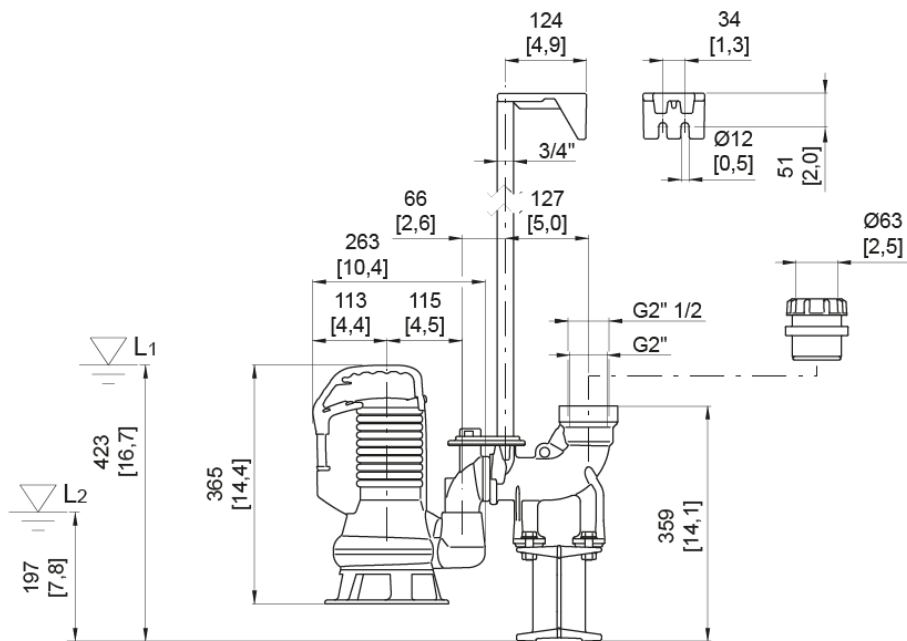
Suction: -

Pressure rating (suction/discharge): -

Accessory * : DAC G40V/G50V-G65V 3/4"+GTP (P)

Accessory code * : 9028.006

* Accessory must be ordered separately



L1: Minimum operating level for continuous use
L2: Minimum operating level for discontinuous use

[mm]
[inch]