



water solutions

Data sheet

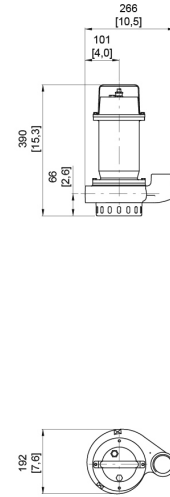
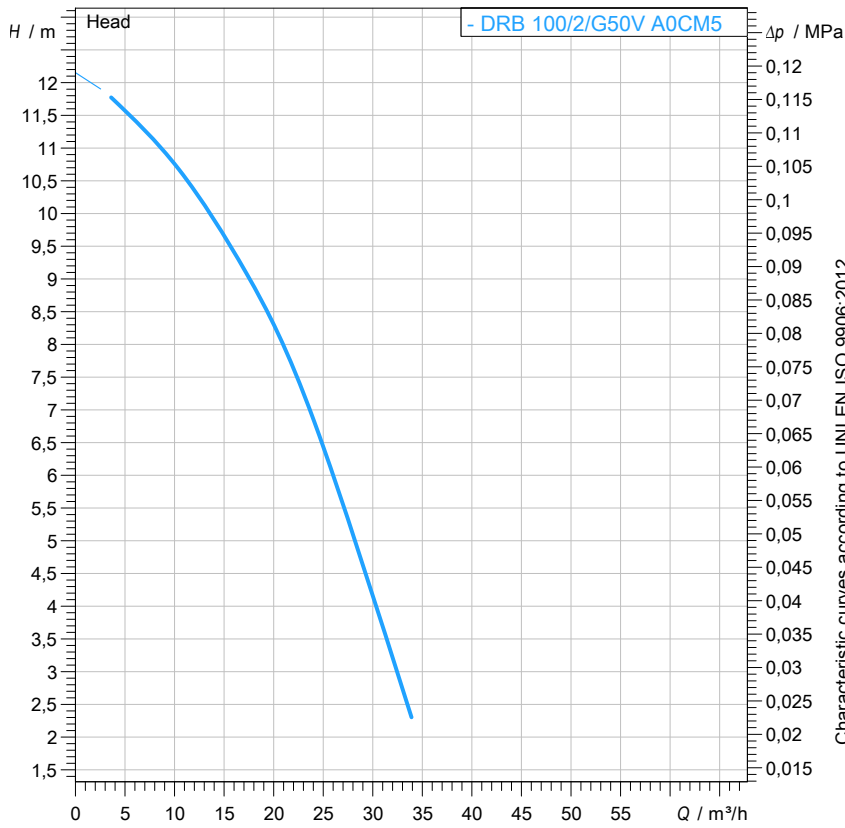
DRB 100/2/G50V A0CM5

B

series

Technical specification

1~ 50 Hz



[mm]
[inch]

Pump

Series	B series
Pump name	DRB 100/2/G50V A0CM5
Configuration	NGTAB51023N00NN
Standard	EN 809:2009

Motor data

Rated voltage	230 V
Frequency	50 Hz
Motor phases	1~
Number of poles	2
Rated power P2	0,88 kW
Incoming power P1	1,40 kW
Rated current	6,5 A
rpm	2730 1/min
Efficiency	64,6 %
cos ϕ	0,94
Rated torque	3,1 Nm
Start	
Degree of protection	IP 68
Insulation class	F

Hydraulic

Type	DR (Multi-channel open)
Free passage	15 mm
Impeller type	Multi channel impeller
Discharge	G 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	5 ÷ 11
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	Bronze B10
Shaft	Stainless steel - AISI 416
Hydraulic	Bronze B10
Impeller	Bronze B10
Screws	Stainless steel - Class A4-70
Gaskets	VITON
Strainer	Stainless steel - AISI 316

Construction features

Main cable	4G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	21 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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Page 1 / 3



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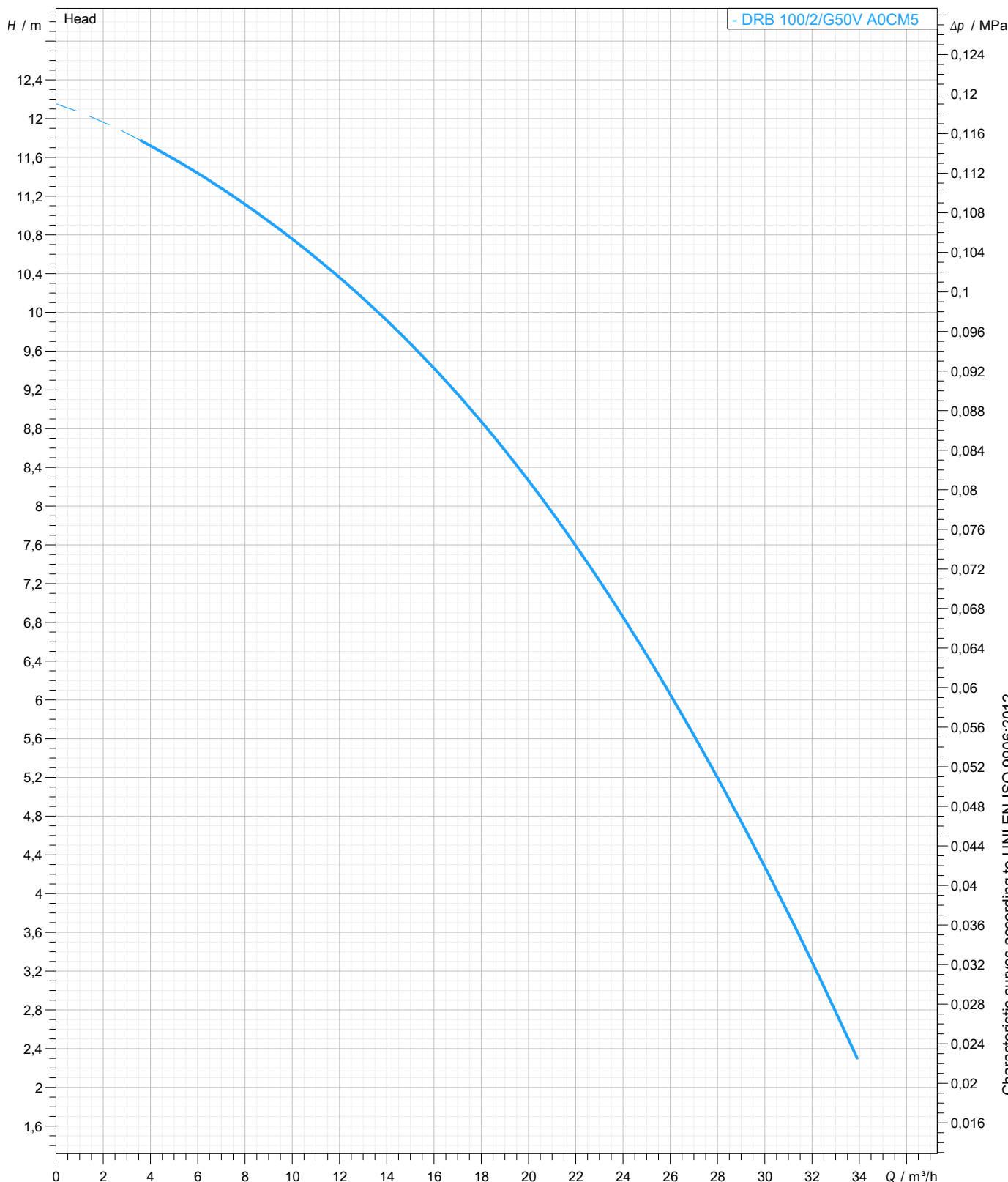
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Pump performance curves

1~ 50 Hz

Hydraulic type DR (Multi-channel open)	Impeller type Multi channel impeller	Free passage 15 mm	Discharge G 2"	Suction -	
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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