



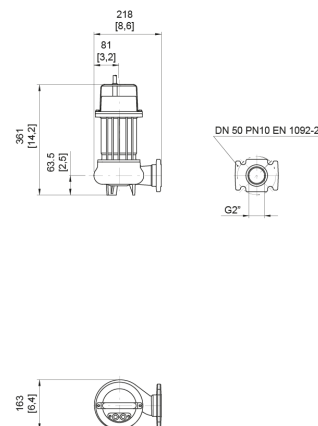
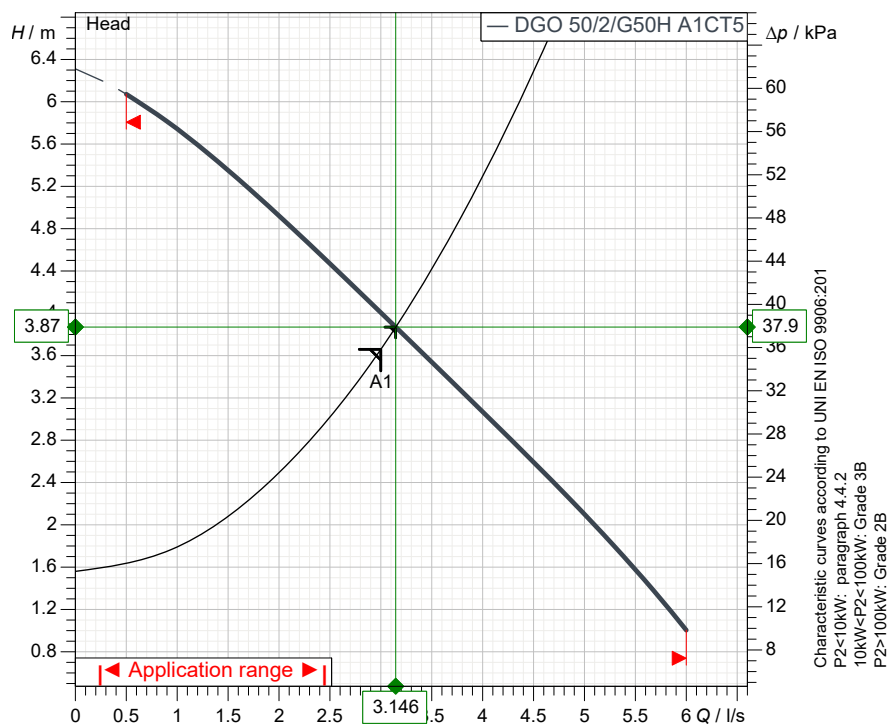
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Data sheet

DGO 50/2/G50H A1CT5

Technical specification

3~ 50 Hz

[mm]
[inch]

Pump

Series	O series
Type	DGO 50/2/G50H A1CT5
Version	NAE 05NN 400D NN NN
Standard	EN 809:2009

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m ³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	Continuous use - S1

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	0.37 kW
Incoming power P1	0.62 kW
Rated current	1.1 A
rpm	2900 1/min
cos φ	0.81
Rated torque	1.2 Nm
Start	Direct starting
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	Cast iron - EN-GJL 250
Painting/Coating	Bi-epoxy 120 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR
Foot base (if present)	

Construction features

Main cable	4G1
Control cable	-
Cable length	5 mt
Mechanical seals	1 in silicon carbide (SiC) and 1 in alumina graphite (AL)
Additional drilling	-
Weight*	16.5 kg
Electrical variant	No electrical device equipped

* cable and fixing system excluded

Hydraulic

Type	DG (Set-back Vortex)
Free passage	40 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	-
Suction	-
Discharge	DN 50 - G2" EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Rev.4 - 09/03/2022

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

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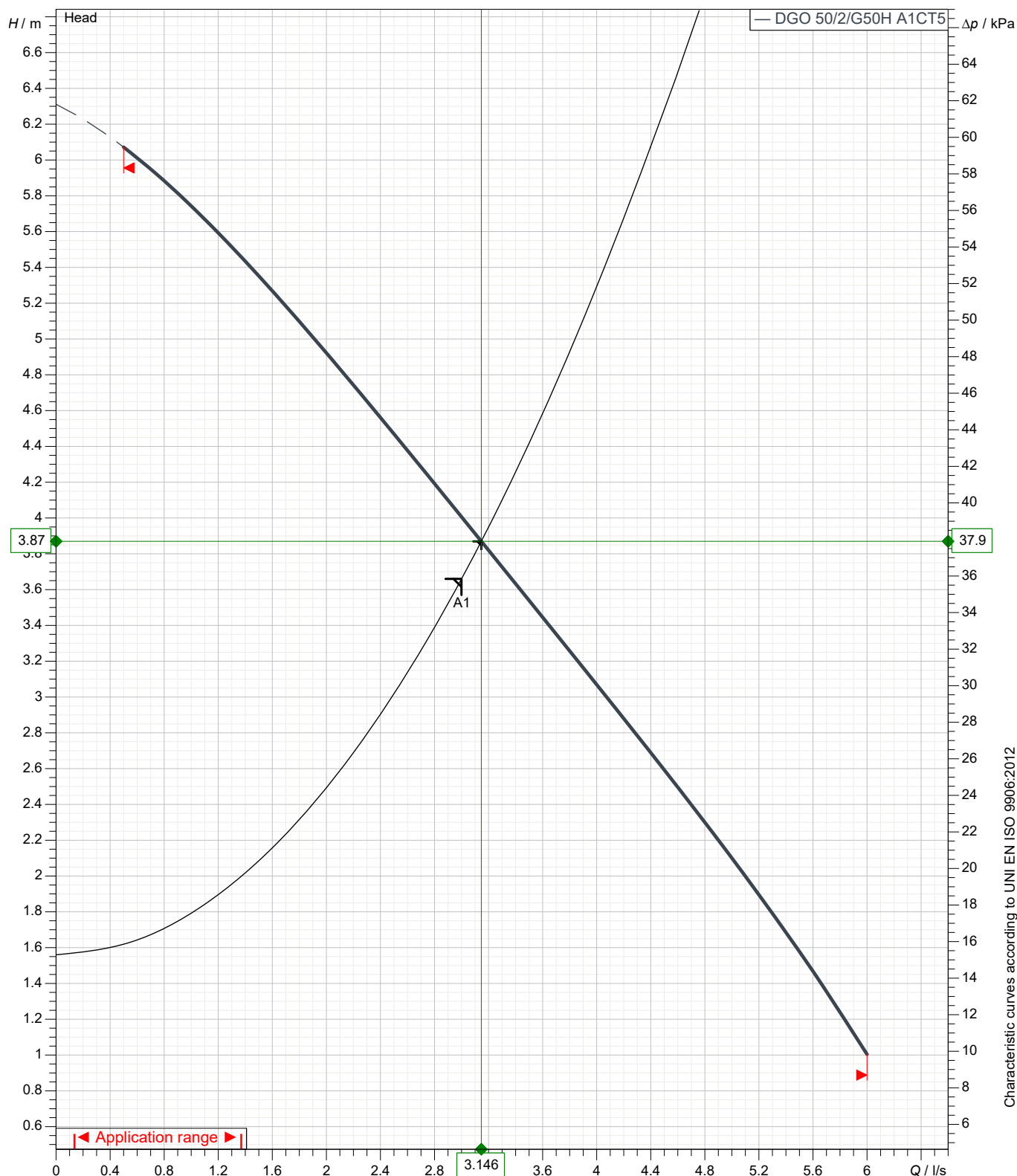
Data sheet

DGO 50/2/G50H A1CT5

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 40 mm	Discharge DN 50 - G2"	Suction -
DUTY POINT					
Flow 3.1 l/s	Head 3.9 m	Shaft power P2	Hydraulic efficiency	Density 998.3 kg/m ³	Viscosity 1.005 mm ² /s



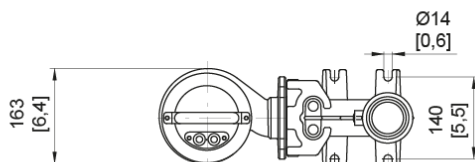
Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B



DGO 50/2/G50H A1CT5

3~ 50 Hz

Note: Accessory must be ordered separately



L2: Minimum operating level for discontinuous use