



water solutions

# Data sheet

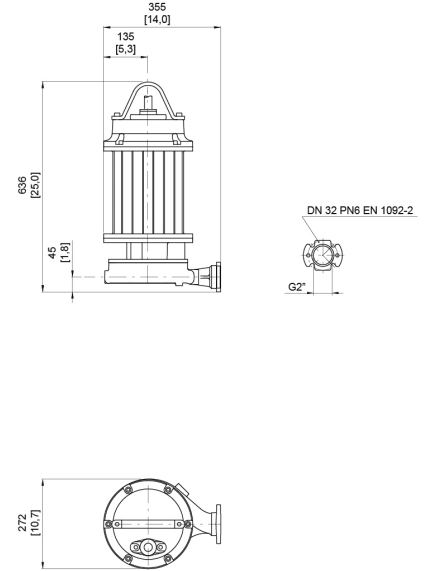
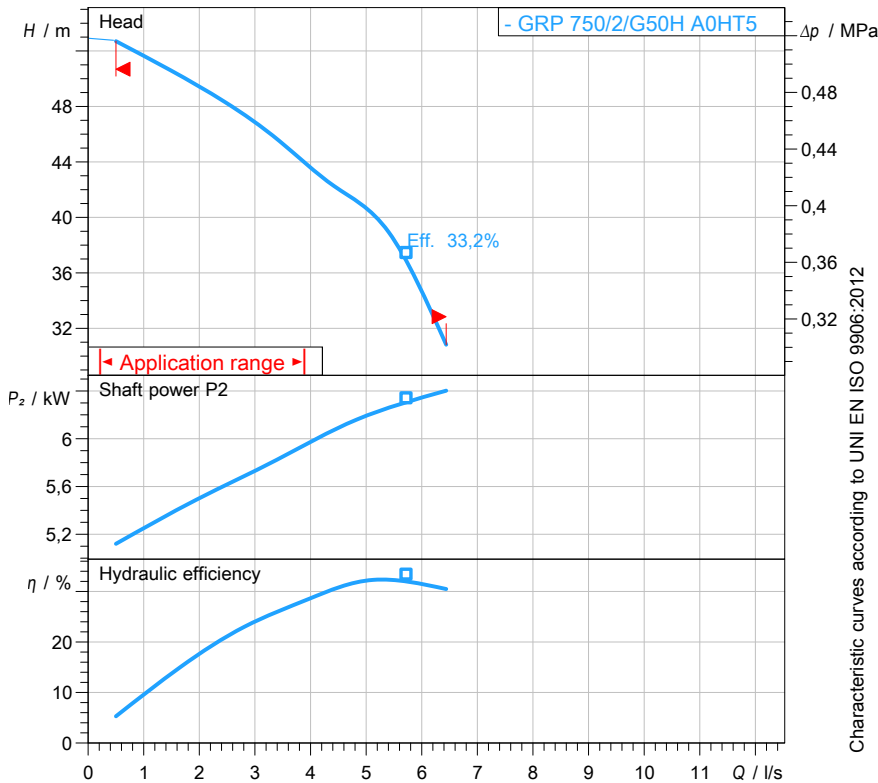
## GRP 750/2/G50H A0HT5

# P

series

### Technical specification

3~ 50 Hz



[ mm ]  
[ inch ]

#### Pump

Series	P series
Pump name	GRP 750/2/G50H A0HT5
Configuration	NGTAC8104YN00NN
Standard	EN 809:2009
ATEX mark	-

#### Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	7,90 kW
Incoming power P1	10,00 kW
Rated current	16,04 A
rpm	2868 1/min
Efficiency	79,0 %
cos φ	0,90
Rated torque	26,3 Nm
Start	Star-delta
Degree of protection	IP 68
Insulation class	H

#### Hydraulic

Type	GR (Impeller with grinder system)
Free passage	0 mm
Impeller type	Multi channel impeller
Max. hydraulic efficiency	33,2 %
Suction	
Discharge	DN 32 - G 2" 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/m <sup>3</sup>
Max. immersion depth	20 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	2017-05-08 S1 - Continuous use

#### Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel - AISI 420
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 80 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR
Cutter	Chromium steel - X102 CrMo17 KU
Cutting disk	Chromium steel - X102 CrMo17 KU

#### Construction features

Cooling system	No cooling jacket
Main cable	7G1.5+3x0.75
Control cable	-
Cable length	10 mt
Mechanical seals	2 in silicon carbide (SiC) and 1 in alumina graphite (AL)
Additional drilling	-
Weight*	91 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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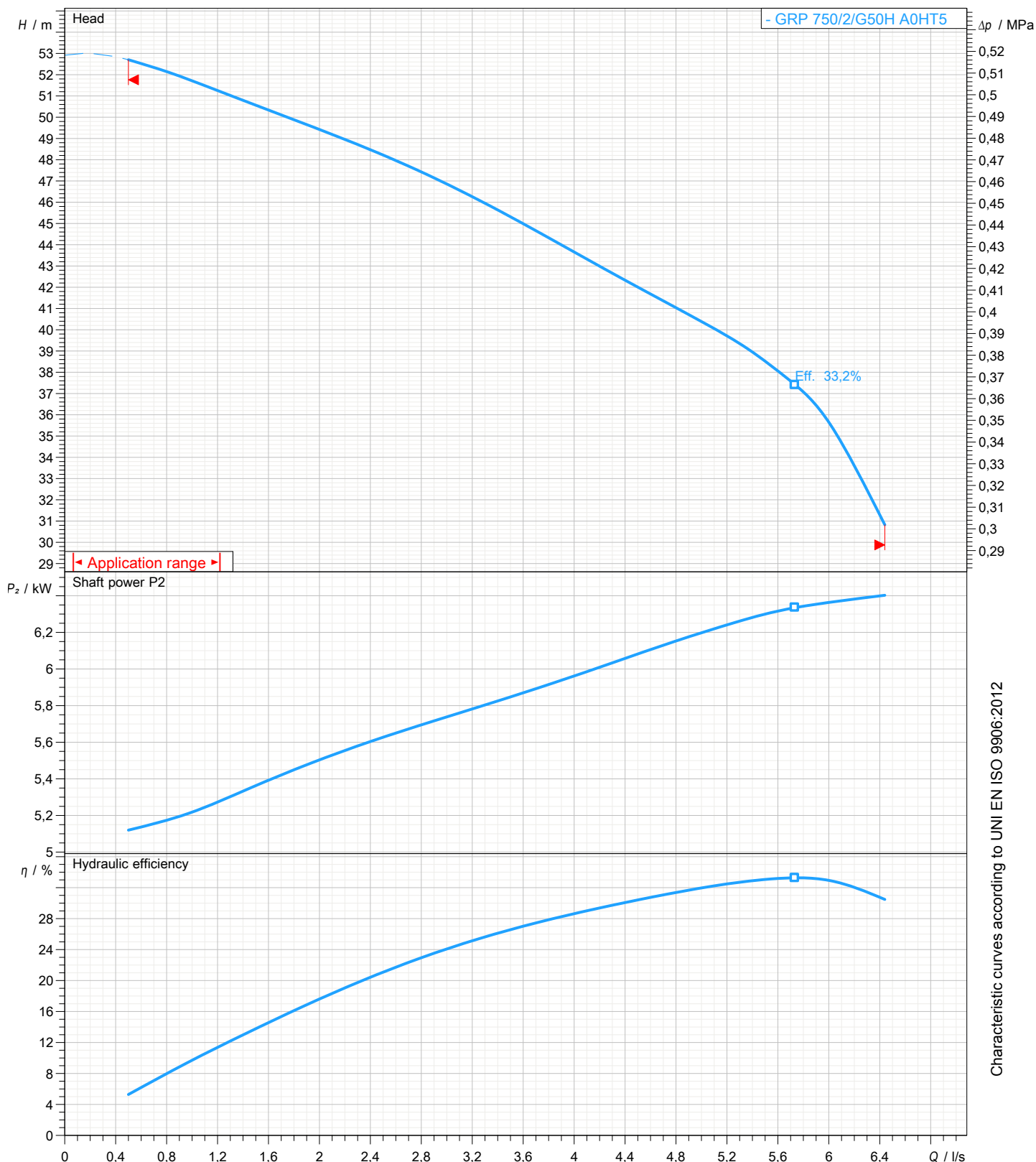
# Data sheet GRP 750/2/G50H A0HT5

# P series

## Pump performance curves

### 3~ 50 Hz

Hydraulic type GR (Impeller with grinder system)		Impeller type Multi channel impeller	Free passage 0 mm	Discharge DN 32 - G 2"	Suction
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m <sup>3</sup>	Viscosity 1,005 mm <sup>2</sup> /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 - Horizontal/vertical outlet

WET/DRY use: WET

Discharge: DN 32 - G 2" EN 1092-2

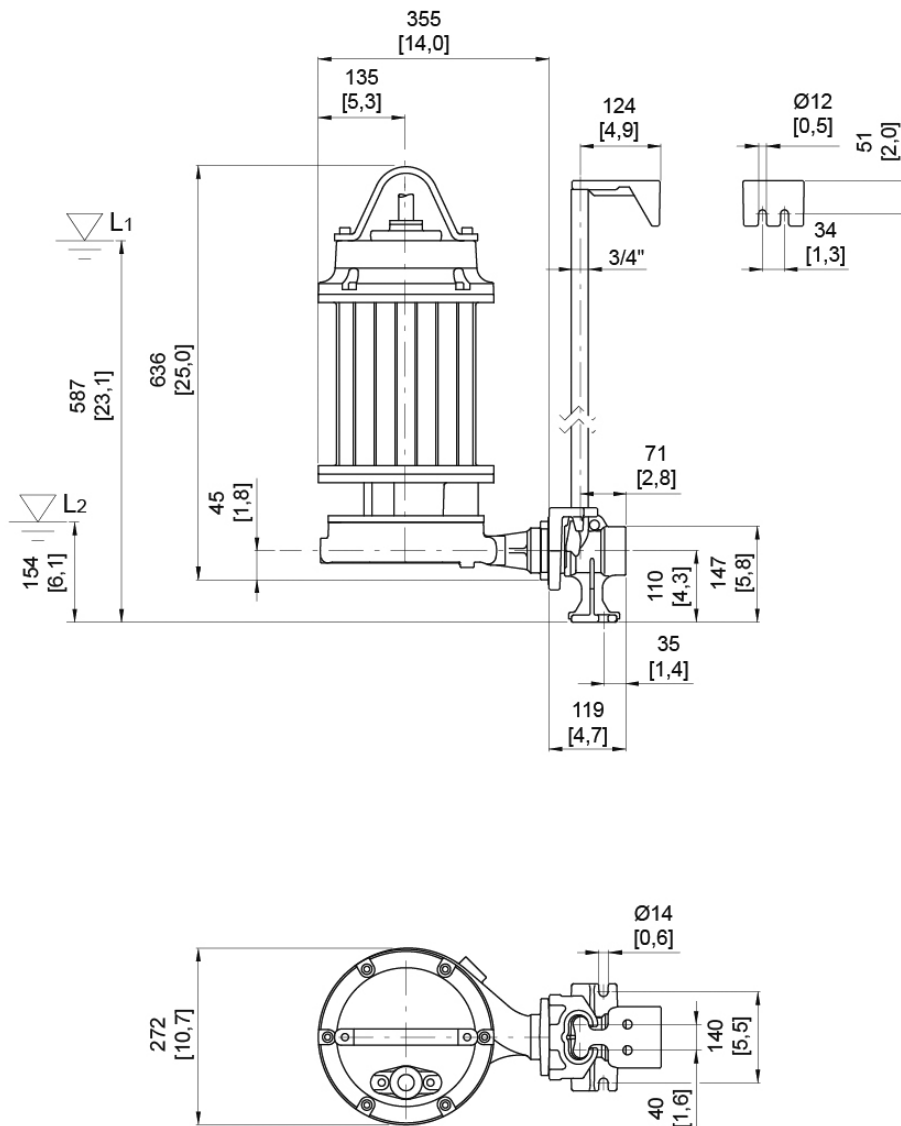
Suction:

Pressure rating (suction/discharge): PN 6

Accessory \* : DAC 32-50/G50H-G50V+KAF 3/4" EN (P)

Accessory code \* : 9028.010

\* Accessory must be ordered separately



L1: Minimum operating level for continuous use

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

[ mm ]  
[ inch ]