



water solutions

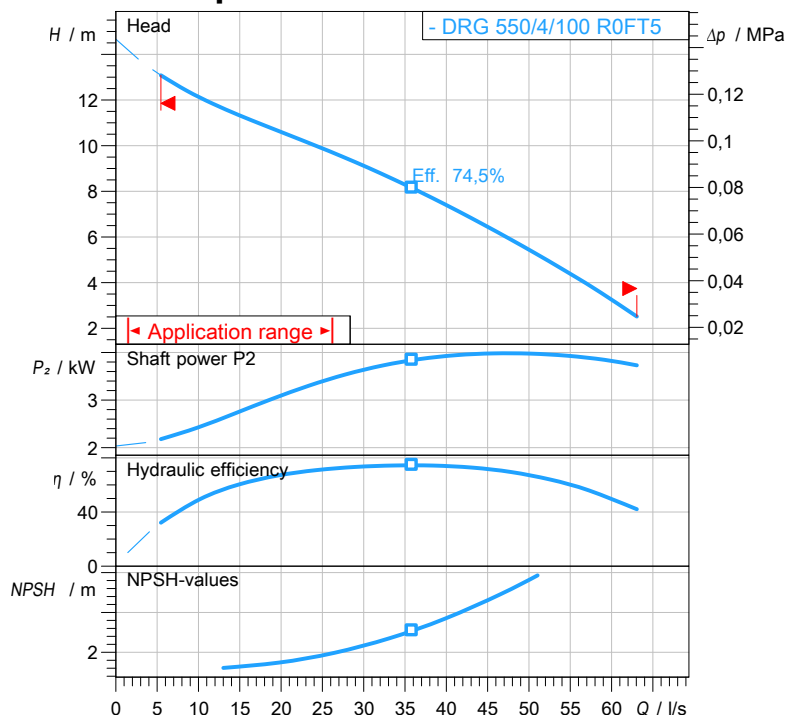
Data sheet

DRG 550/4/100 R0FT5

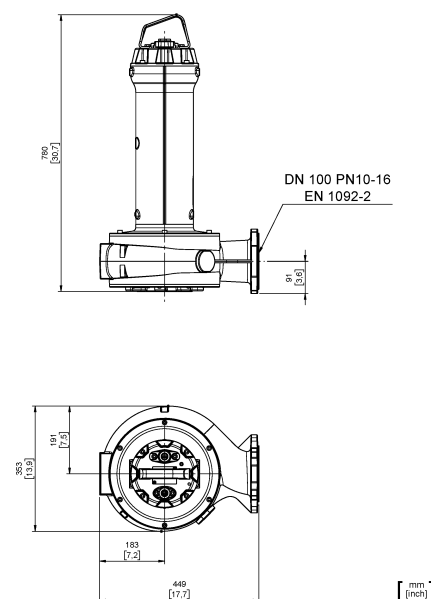
GREY
series

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



Pump

Series	GREY series
Pump name	DRG 550/4/100 R0FT5
Configuration	NGTSB51040N00NN
Standard	CE

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

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	4,00 kW
Incoming power P1	4,62 kW
Rated current	8,4 A
rpm	1433 1/min
Efficiency	86,6 %
cos φ	0,794
Rated torque	26,7 Nm
Start	Direct starting
Starting current	49,3 A
Degree of protection	IP 68
Insulation class	H
Capacitor	
Starting Capacitor	

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	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	90 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

Hydraulic

Type	DR (Multi-channel open)
Free passage	65 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	74,5 %
Suction	DN 100 UNDRILLED
Discharge	DN 100 EN 1092-2

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

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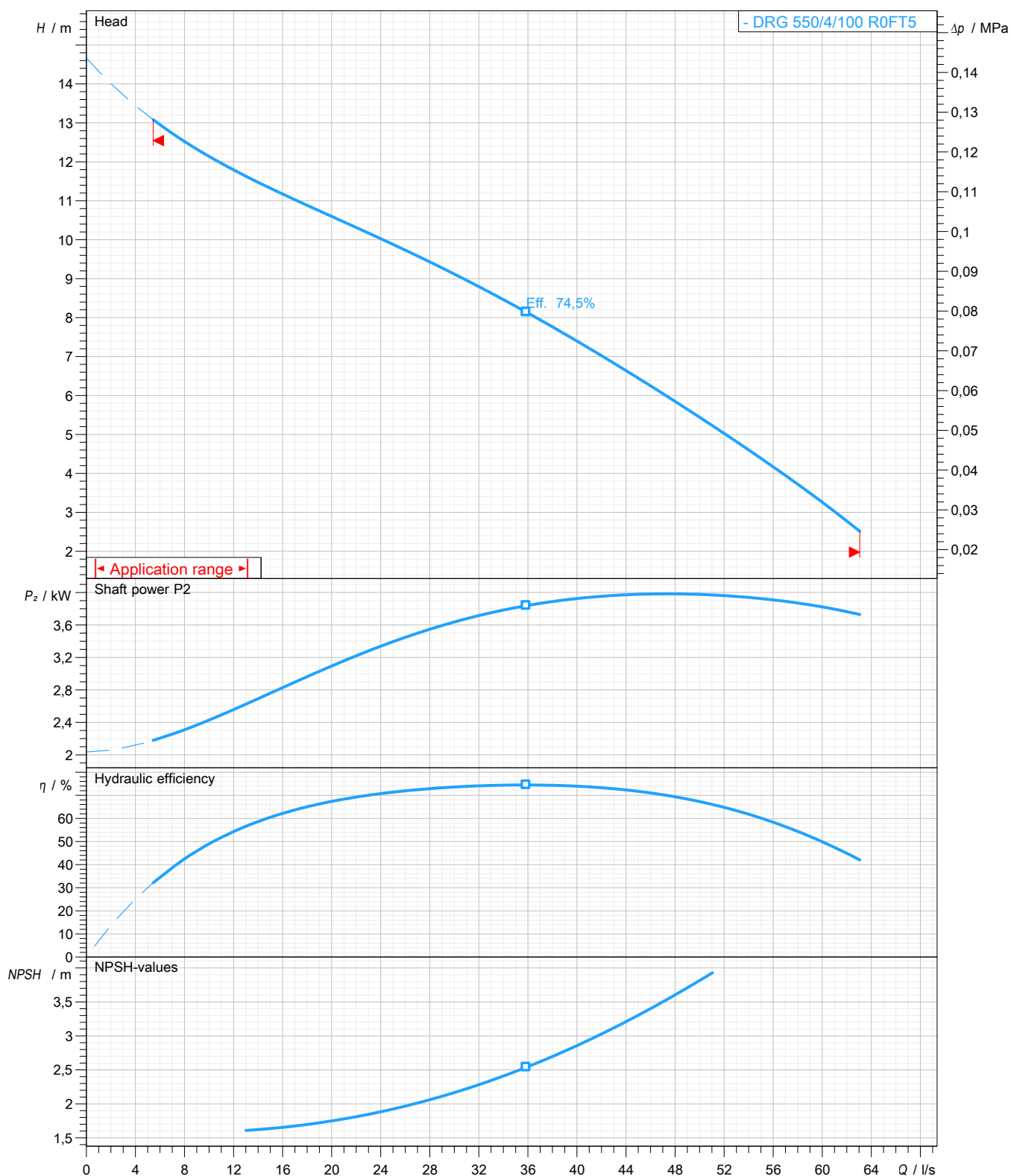


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Data sheet

DRG 550/4/100 R0FT5**GREY**
series**Pump performance curves****3~ 50 Hz**

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 65 mm	Discharge DN 100	Suction DN 100
DUTY POINT						
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m³	Viscosity 1,005 mm²/s	



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
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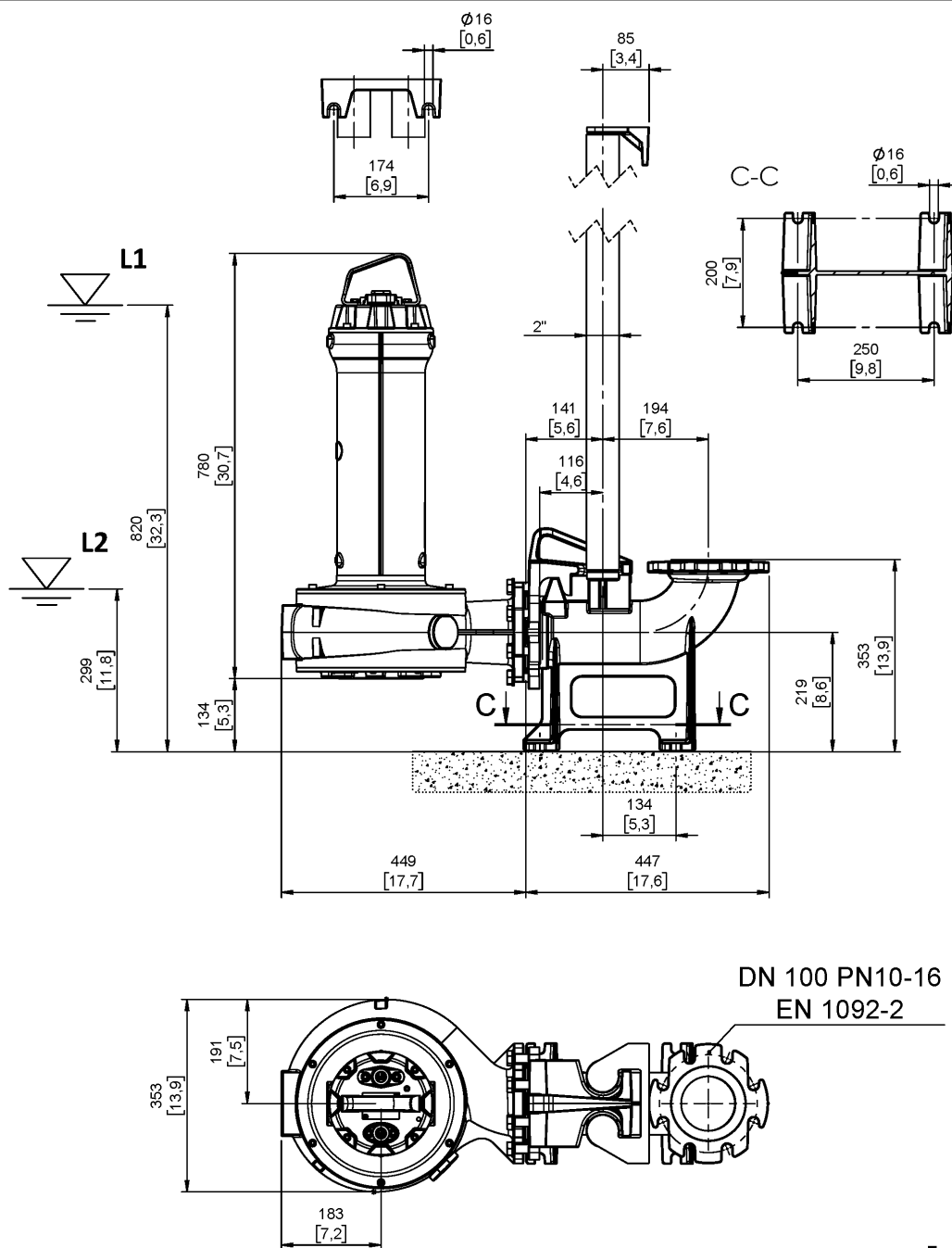


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Data sheet

DRG 550/4/100 R0FT5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type P: bottom coupling device - vertical discharge DN100 - guide pipes 2"		
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

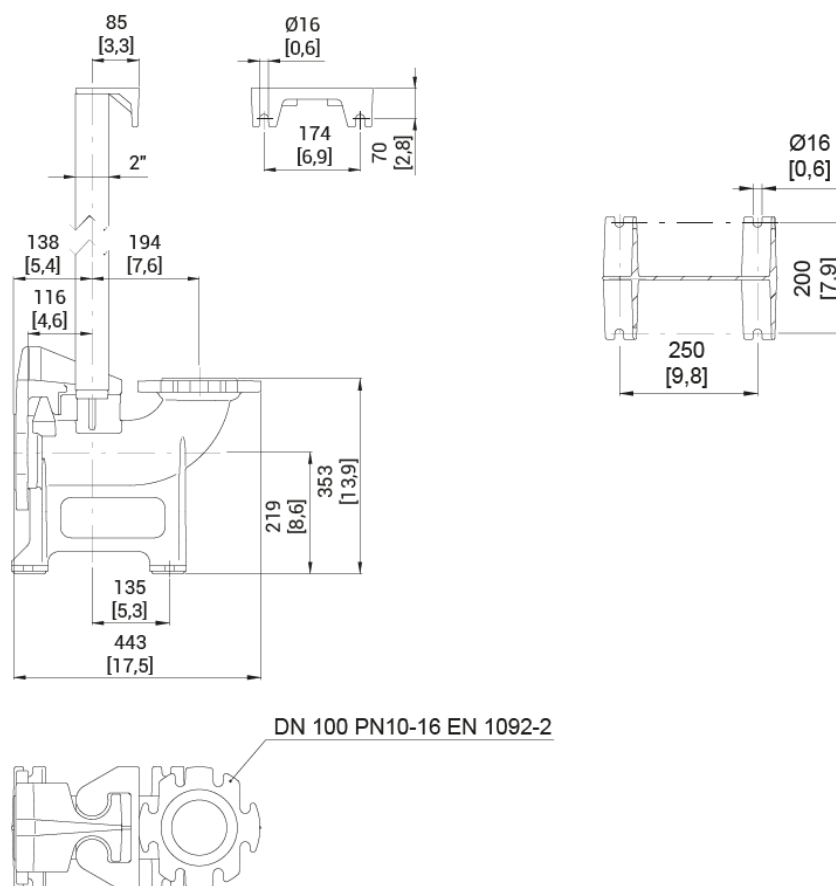
General features:

- Structure in GJL-250 cast iron;
- Seal in NBR rubber;
- Epoxy-vinyl paint;
- Full free passage;
- Complete with pipe guide and coupling flange with stainless steel fasteners;
- A patented system simplifies pump release and reduces the mechanical stresses on the guide pipes.

Accessory code

9001.033

Dimensional drawing



Technical characteristics

Discharge:	DN100 EN1092-2 PN10
Suction:	DN100 EN1092-2 PN10
Coupled pump max. weight (if specified):	550 kg
Weight:	31 kg