



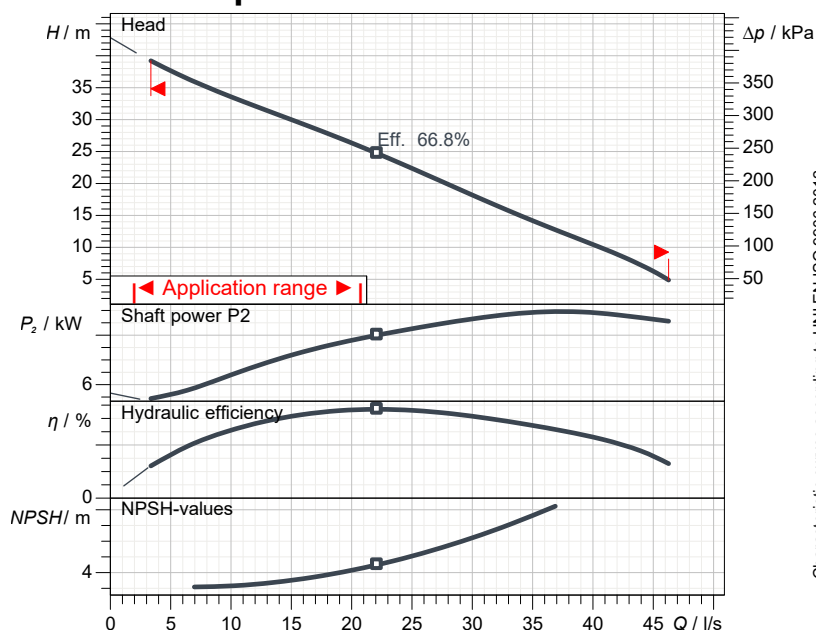
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# Data sheet

## DRG 1200/2/80 A0GT5

**GREY**  
series

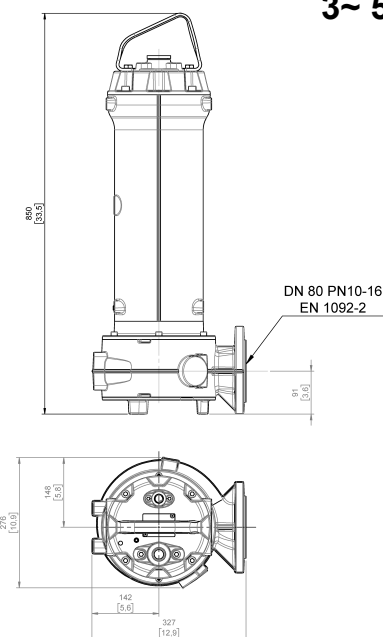
### Technical specification



Characteristic curves according to UNI EN ISO 9906:2012

 $P_2 < 10 kW$ : paragraph 4.4.2

 $10 kW < P_2 < 100 kW$ : Grade 3B

 $P_2 > 100 kW$ : Grade 2B
[ mm  
[inch]]

### Pump

|         |                     |
|---------|---------------------|
| Series  | GREY series         |
| Type    | DRG 1200/2/80 A0GT5 |
| Version | TS 10 400Y NN NN GG |

### Operating limits (standard pumps)

|                                           |                                                  |
|-------------------------------------------|--------------------------------------------------|
| Max. ambient temperature                  | 40 °C                                            |
| Max. density treated liquid               | 1100 kg/m <sup>3</sup>                           |
| pH treated liquid                         | 6 ÷ 14                                           |
| Max. start per hour (equally distributed) | 20                                               |
| Wet/dry use                               | WET                                              |
| Max. acoustic pressure level              | 70 dB                                            |
| Operating mode*                           | Continuous use - S1                              |
|                                           | Discontinuous use (excluding FM models) S3 = 15% |

\*check the minimum operating level on dimensional drawing page

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 2          |
| Rated power $P_2$    | 9.00 kW    |
| Incoming power $P_1$ | 10.38 kW   |
| Rated current        | 16.1 A     |
| rpm                  | 2894 1/min |
| Efficiency           | 86.7 %     |
| cos $\phi$           | 0.928      |
| Rated torque         | 29.7 Nm    |
| Start                | Star-delta |
| Starting current     | 46.9 A     |
| Starting torque      | 24.6 Nm    |
| Degree of protection | IP 68      |
| Insulation class     | H          |
| Capacitor            |            |
| Starting Capacitor   |            |

### Hydraulic

|                           |                       |
|---------------------------|-----------------------|
| Free passage              | 40 mm                 |
| Impeller type             | Open channel impeller |
| Max. hydraulic efficiency | 66.8 %                |
| Suction                   | DN 80 UNDRILLED       |
| Discharge                 | DN 80 EN 1092-2       |

### 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 $\mu m$ sea water |
| Screws           | Stainless steel - Class A2-70  |
| Gaskets          | NBR                            |

### Construction features

|                     |                                       |
|---------------------|---------------------------------------|
| Cooling system      | No cooling jacket                     |
| Main cable          | 7G1,5+3x1                             |
| Cable length        | 10 mt                                 |
| Mechanical seals    | 2 in silicon carbide (2SiC)           |
| Additional drilling | -                                     |
| Weight*             | 104.5 kg                              |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable and fixing system excluded



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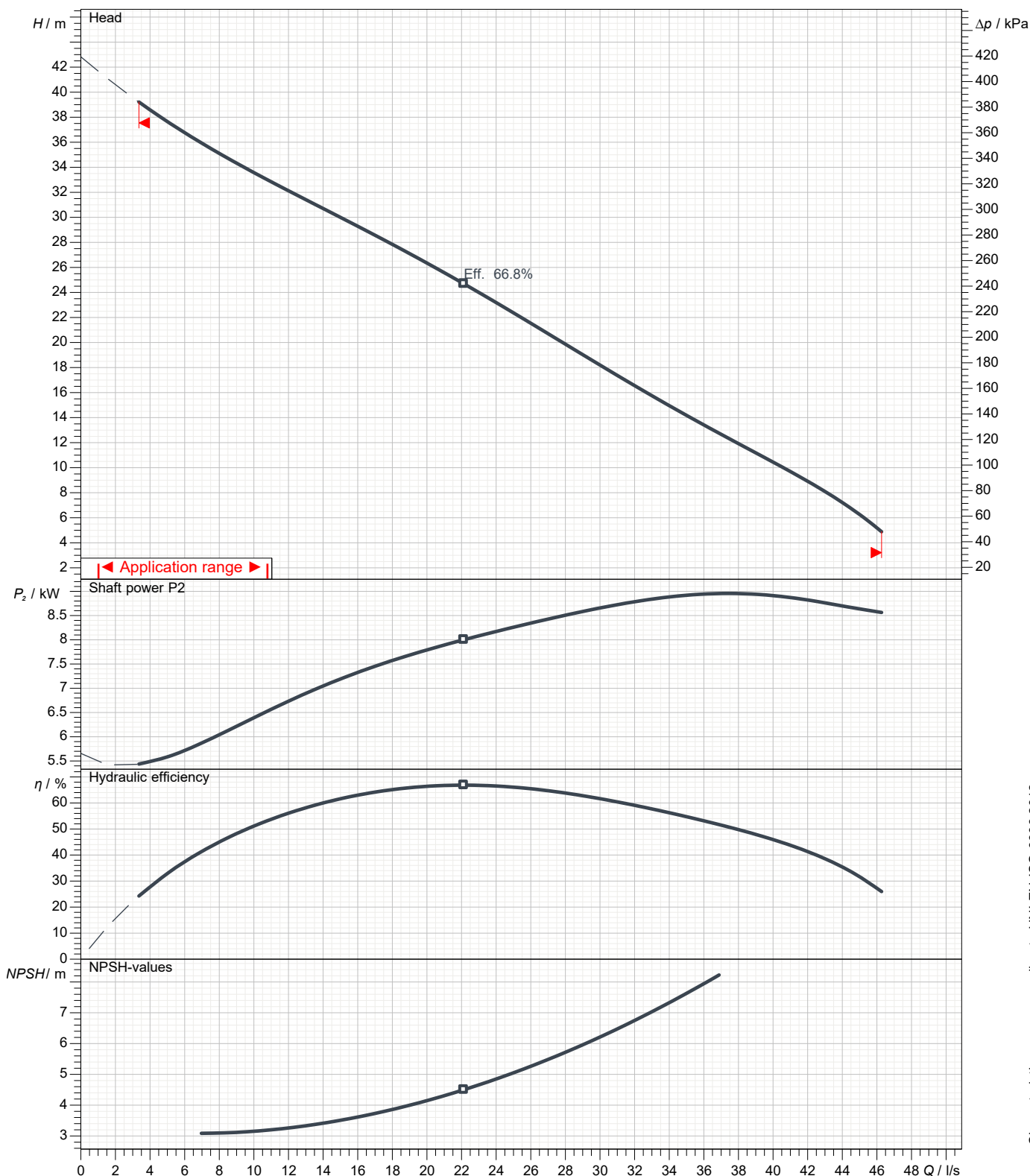
Data sheet  
**DRG 1200/2/80 A0GT5**

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**Pump performance curves**

**3~ 50 Hz**

|                                               |             |                              |                             |                               |                                 |
|-----------------------------------------------|-------------|------------------------------|-----------------------------|-------------------------------|---------------------------------|
| <b>Impeller type</b><br>Open channel impeller |             | <b>Free passage</b><br>40 mm | <b>Discharge</b><br>DN 80   | <b>Suction</b><br>DN 80       |                                 |
| <b>DUTY POINT</b>                             |             |                              |                             |                               |                                 |
| <b>Flow</b>                                   | <b>Head</b> | <b>Shaft power P2</b>        | <b>Hydraulic efficiency</b> | <b>Density</b><br>998.3 kg/m³ | <b>Viscosity</b><br>1.005 mm²/s |



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



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# Data sheet

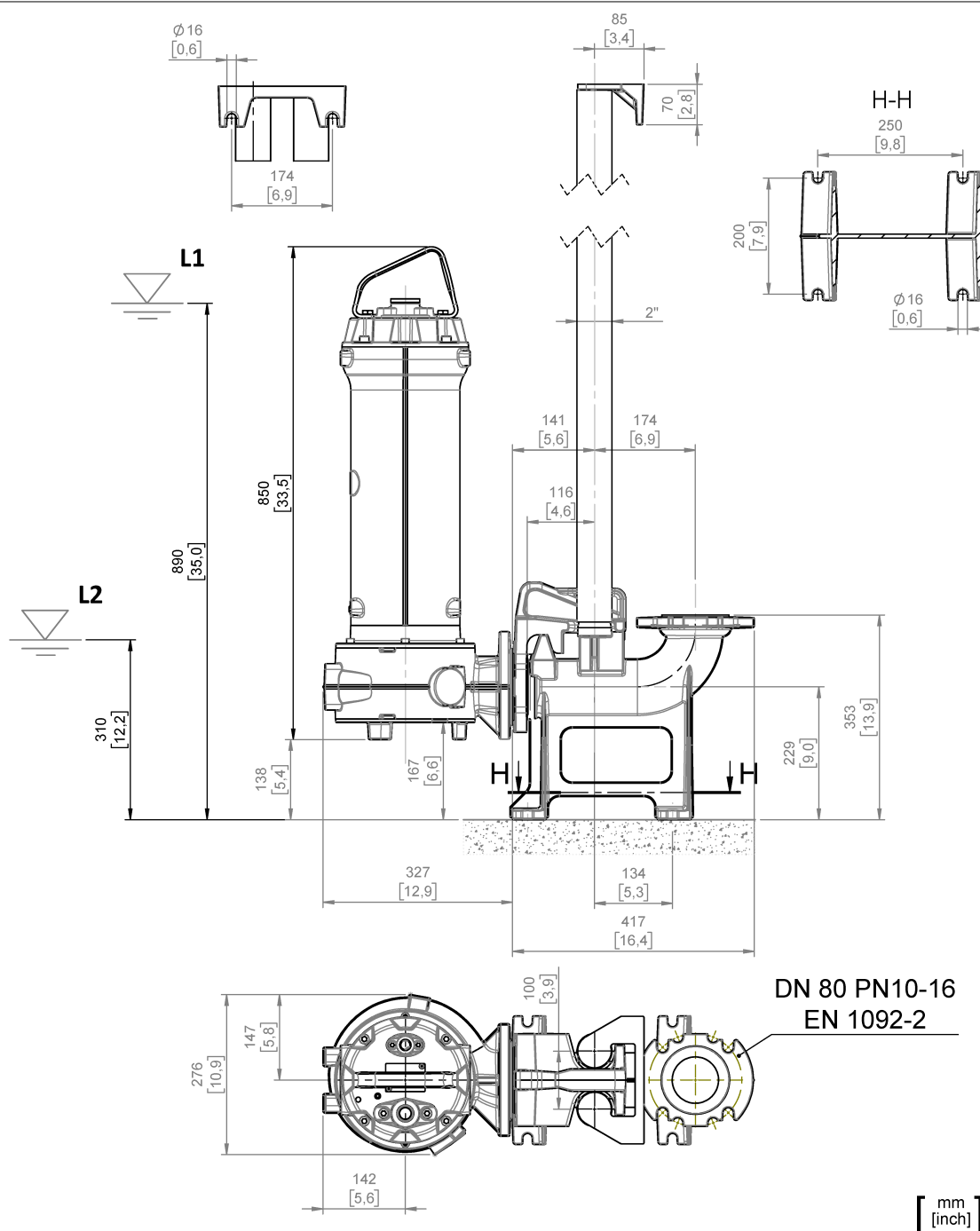
## DRG 1200/2/80 A0GT5

**GREY**  
series

### Dimensional drawing

3~ 50 Hz

|                                                                                        |                                   |                                                        |
|----------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------|
| <b>Installation type</b><br>Installation with bottom coupling device - Vertical outlet |                                   |                                                        |
| <b>Wet/dry use</b><br>WET                                                              | <b>Drilling variant</b><br>N      | <b>Flushing valve - drilling</b><br>-                  |
| <b>Discharge</b><br>DN 80 EN 1092-2                                                    | <b>Suction</b><br>DN 80 UNDRILLED | <b>Pressure rating (suction/discharge):</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 80/80V+KAF 116-2" EN (P)                                       |                                   | <b>Accessory code</b><br>9001.032                      |
| <b>Note: Accessory must be ordered separately</b>                                      |                                   |                                                        |



L1: Minimum operating level for S1 - continuous use

L2: Minimum operating level for S3 - discontinuous use (excluding FM models)

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

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