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# Data sheet

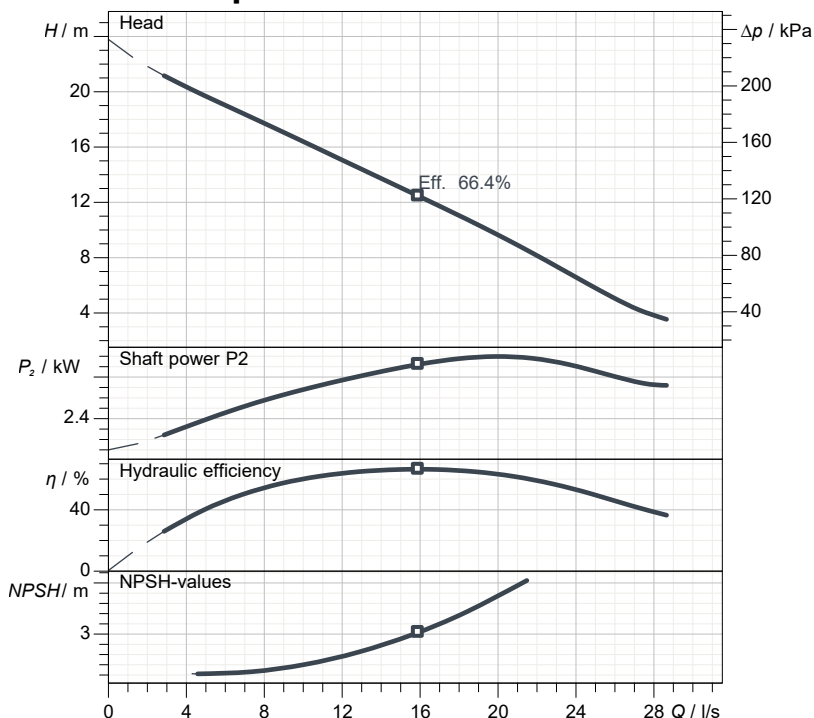
## DRG 400/2/80 E0ET5



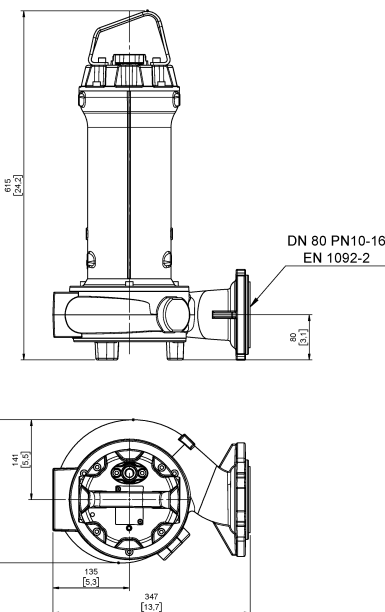
**GREY**  
series

### Technical specification

3~ 50 Hz



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



[ mm  
[ inch]

#### Pump

|               |  |
|---------------|--|
| Series        | GREY series                                |
| Pump name     | DRG 400/2/80 E0ET5                         |
| Configuration | NGTSB51040N00EX                            |
| Standard      | ATEX 2014/34/EU                            |
| ATEX mark     | II 2G<br>Ex db IIB T4 Gb<br>Ex h IIB T4 Gb |

#### 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) | 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               | 2               |
| Rated power P <sub>2</sub>    | 3.00 kW         |
| Incoming power P <sub>1</sub> | 3.68 kW         |
| Rated current                 | 6.4 A           |
| rpm                           | 2877 1/min      |
| Efficiency                    | 81.5 %          |
| cos φ                         | 0.835           |
| Rated torque                  | 10.0 Nm         |
| Start                         | Direct starting |
| Starting current              | 38.7 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     |
| 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*             | 48 kg                                 |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable and fixing system excluded

#### Hydraulic

|                           |                       |
|---------------------------|-----------------------|
| Free passage              | 40 x 35 mm            |
| Impeller type             | Open channel impeller |
| Max. hydraulic efficiency | 66.4 %                |
| Suction                   | DN 80 UNDRILLED       |
| Discharge                 | DN 80 EN 1092-2       |



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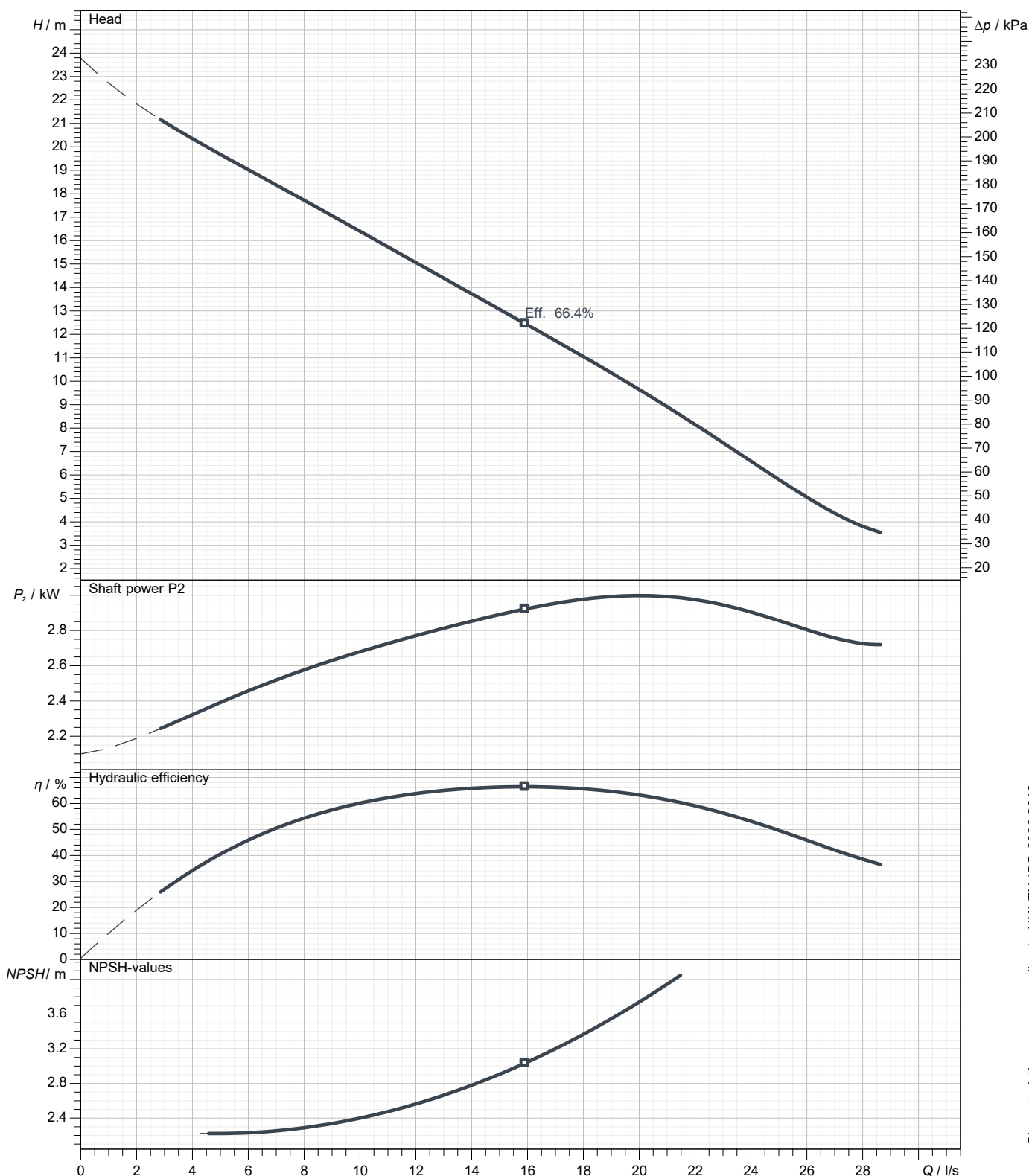


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## Pump performance curves

3~ 50 Hz

|   |             |                                   |                             |   |                               |
|---|-------------|-----------------------------------|-----------------------------|---|-------------------------------|
| <b>Impeller type</b><br>Open channel impeller |             | <b>Free passage</b><br>40 x 35 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/m <sup>3</sup> | <b>Viscosity</b><br>1.005 cSt |



Characteristic curves according to UNI EN ISO 9906:2012  
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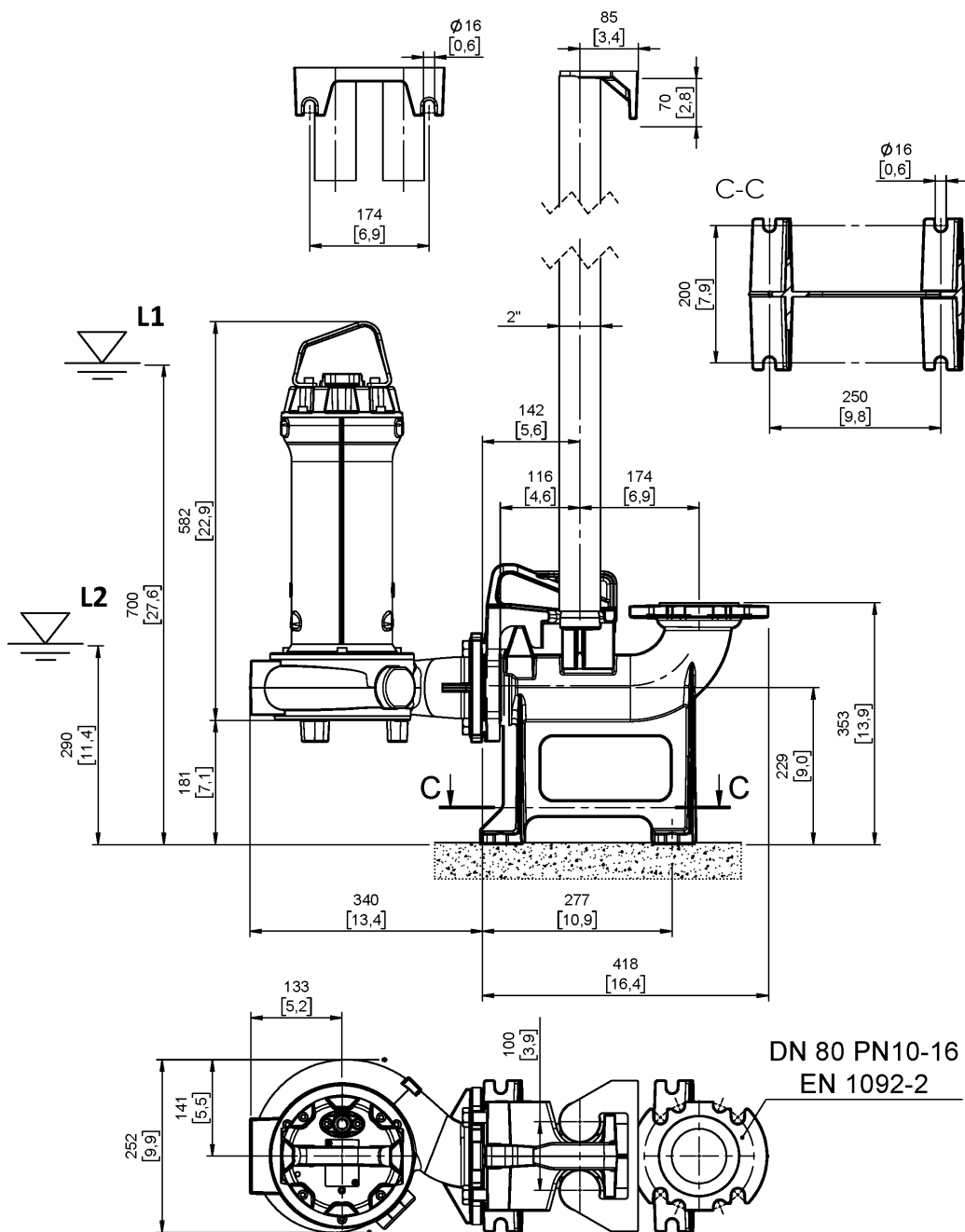


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## Dimensional drawing

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>                                      |                                   |  |



[ mm ]  
[ inch ]

L1: Minimum operating level for continuous use

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