



water solutions

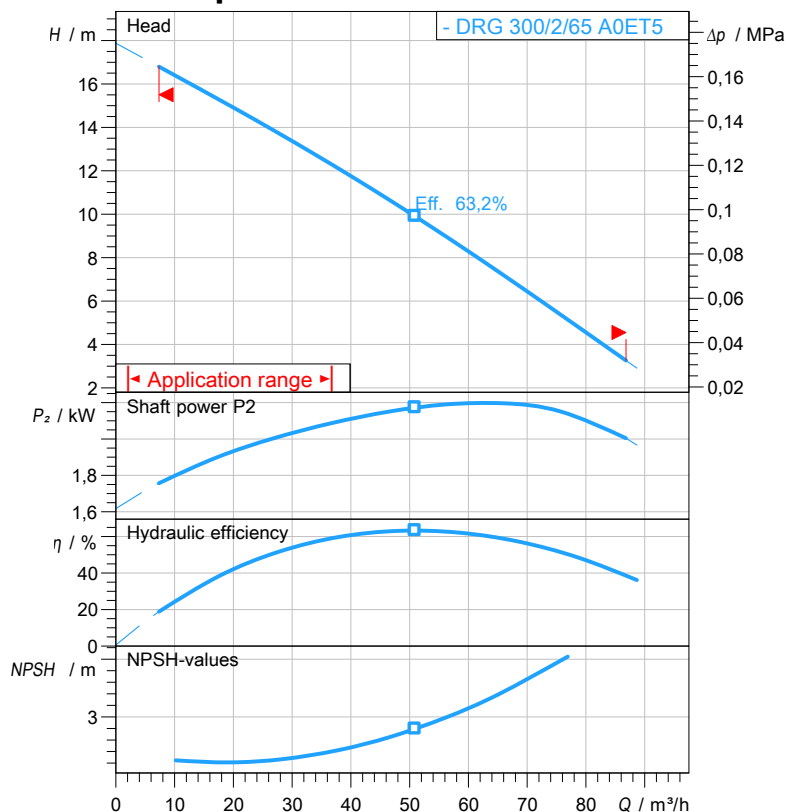
# Data sheet

## DRG 300/2/65 A0ET5

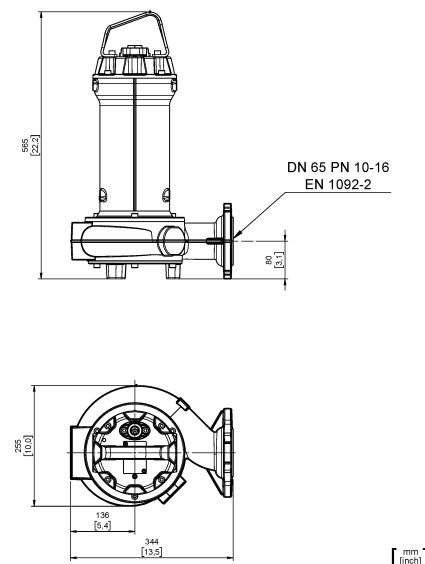
**GREY**  
series

### Technical specification

3~ 50 Hz



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



### Pump

|               |                    |
|---------------|--------------------|
| Series        | GREY series        |
| Pump name     | DRG 300/2/65 A0ET5 |
| Configuration | NGTSB51040N00NN    |
| Standard      | EN 809:2009        |

### Motor data

|                      |                 |
|----------------------|-----------------|
| Rated voltage        | 400 V           |
| Frequency            | 50 Hz           |
| Motor phases         | 3~              |
| Number of poles      | 2               |
| Rated power P2       | 2,2 kW          |
| Incoming power P1    | 2,76 kW         |
| Rated current        | 4,62 A          |
| rpm                  | 2880 1/min      |
| Efficiency           | 79,7 %          |
| cos φ                | 0,862           |
| Rated torque         | 7,3 Nm          |
| Start                | Direct starting |
| Degree of protection | IP 68           |
| Insulation class     | H               |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 40 x 35 mm              |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 63,2 %                  |
| Suction                   | DN 65 UNDRILLED         |
| Discharge                 | DN 65 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/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 |

### 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               |
| 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*             | 44,2 kg                               |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded



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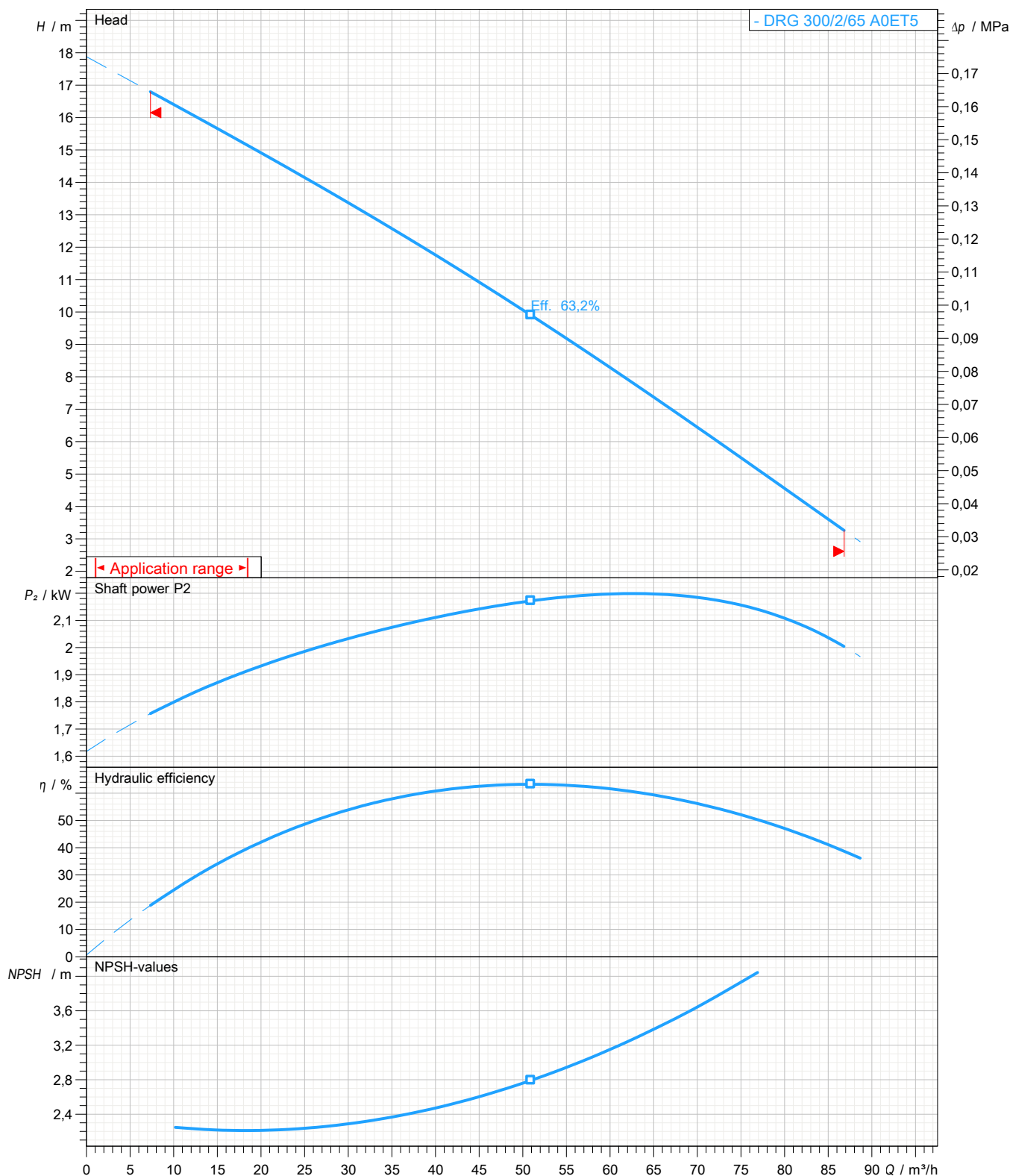
## DRG 300/2/65 A0ET5

**GREY**  
series

### Pump performance curves

3~ 50 Hz

|                                                  |             |                                               |                                   |                                           |                                              |
|--------------------------------------------------|-------------|-----------------------------------------------|-----------------------------------|-------------------------------------------|----------------------------------------------|
| <b>Hydraulic type</b><br>DR (Multi-channel open) |             | <b>Impeller type</b><br>Open channel impeller | <b>Free passage</b><br>40 x 35 mm | <b>Discharge</b><br>DN 65                 | <b>Suction</b><br>DN 65                      |
| <b>DUTY POINT</b>                                |             |                                               |                                   |                                           |                                              |
| <b>Flow</b>                                      | <b>Head</b> | <b>Shaft power P<sub>2</sub></b>              | <b>Hydraulic efficiency</b>       | <b>Density</b><br>998,3 kg/m <sup>3</sup> | <b>Viscosity</b><br>1,005 mm <sup>2</sup> /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

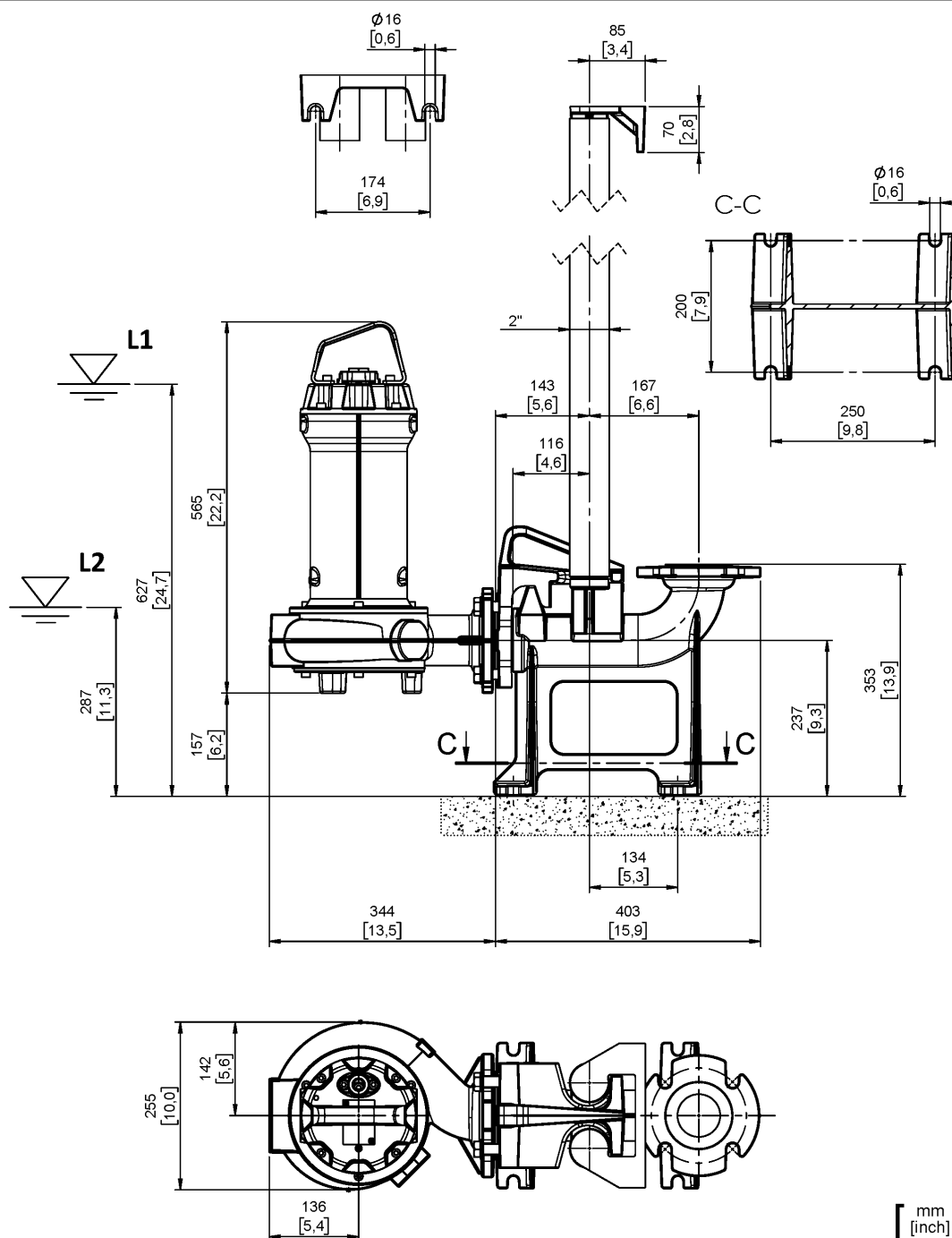


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**DRG 300/2/65 A0ET5****GREY**  
series**Dimensional drawing****3~ 50 Hz**

|                                                                                        |                                    |                                                       |
|----------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------|
| <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 65 EN 1092-2                                                    | <b>Suction:</b><br>DN 65 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 65/65V+KAF 116-2" EN (P)                                       |                                    | <b>Accessory code</b><br>9001.031                     |
| <b>Note: Accessory must be ordered separately</b>                                      |                                    |                                                       |



L1: Minimum operating level for continuous use

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

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

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