



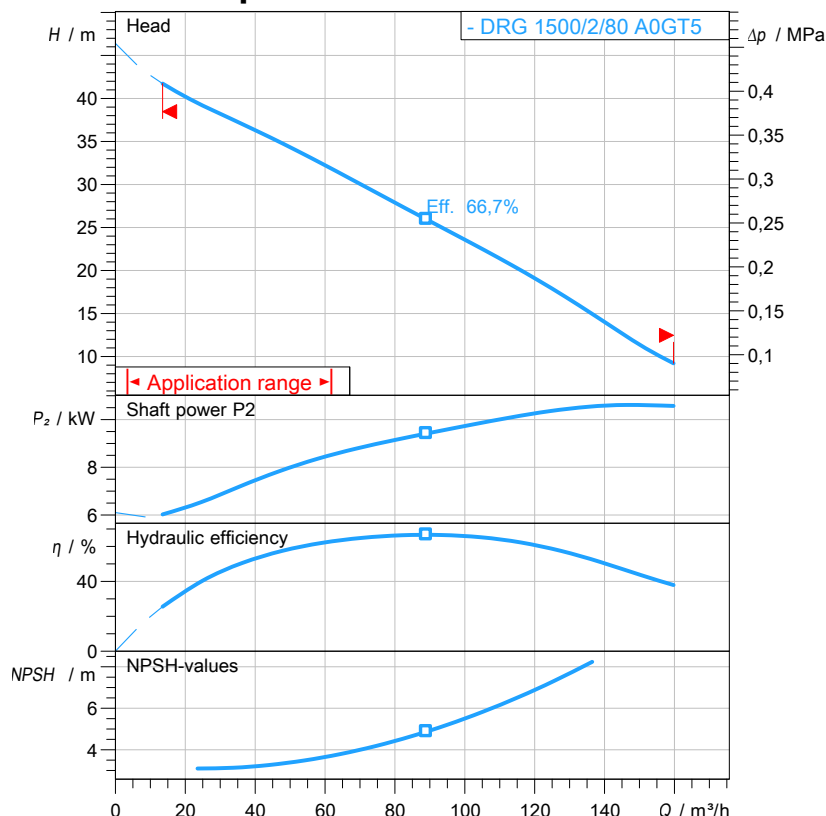
water solutions

# Data sheet

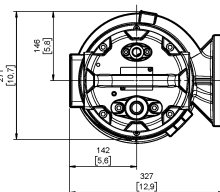
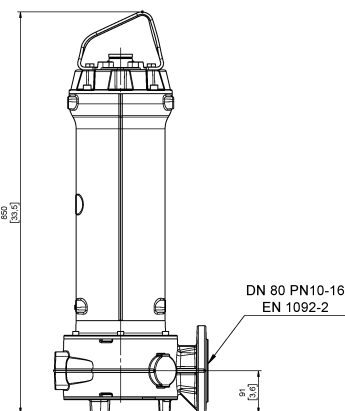
## DRG 1500/2/80 A0GT5

**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

[ mm  
[ inch ]

### Pump

|               |                     |
|---------------|---------------------|
| Series        | GREY series         |
| Pump name     | DRG 1500/2/80 A0GT5 |
| Configuration | NGTSB5104YN00NN     |
| Standard      | CE                  |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 2          |
| Rated power P2       | 11 kW      |
| Incoming power P1    | 12,6 kW    |
| Rated current        | 19,5 A     |
| rpm                  | 2895 1/min |
| Efficiency           | 87,6 %     |
| cos φ                | 0,93       |
| Rated torque         | 36,3 Nm    |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 40 mm                   |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 66,7 %                  |
| Suction                   | DN 80 UNDRILLED         |
| Discharge                 | DN 80 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 sea water resistant |
| 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*             | 105,7 kg                              |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded



water solutions

# Data sheet

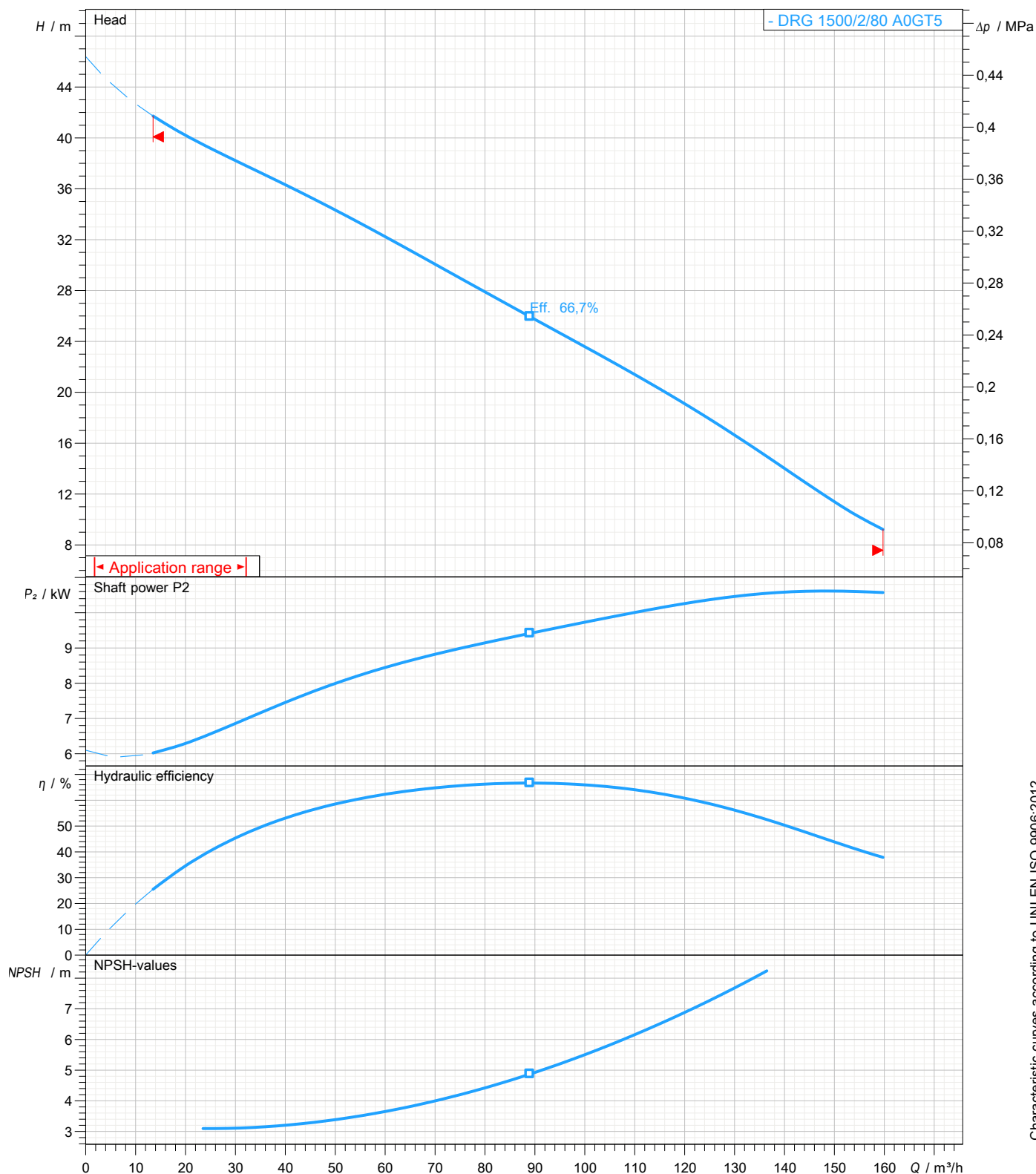
## DRG 1500/2/80 A0GT5

**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 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 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



water solutions

# Data sheet

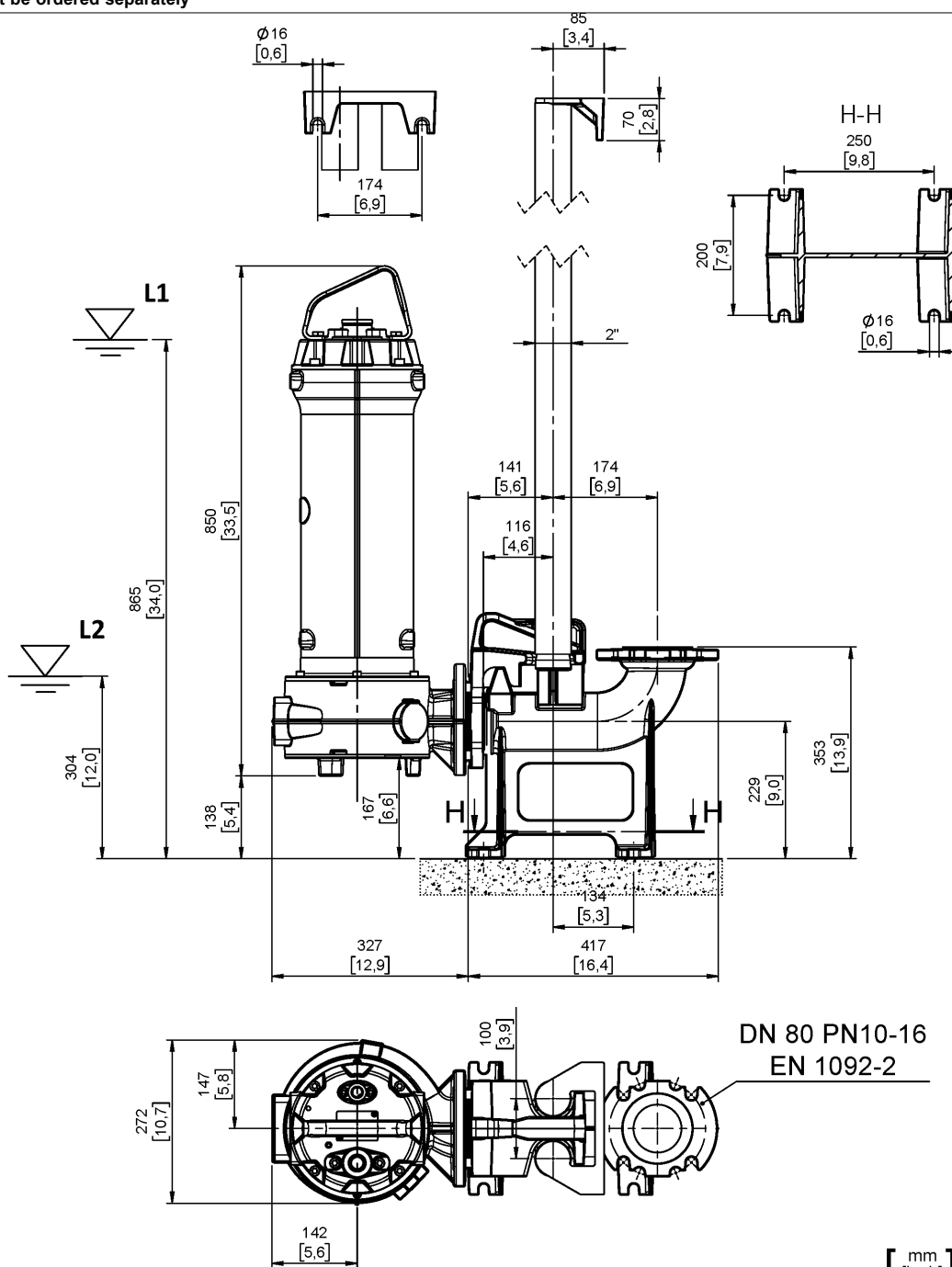
## DRG 1500/2/80 A0GT5

**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 continuous use

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



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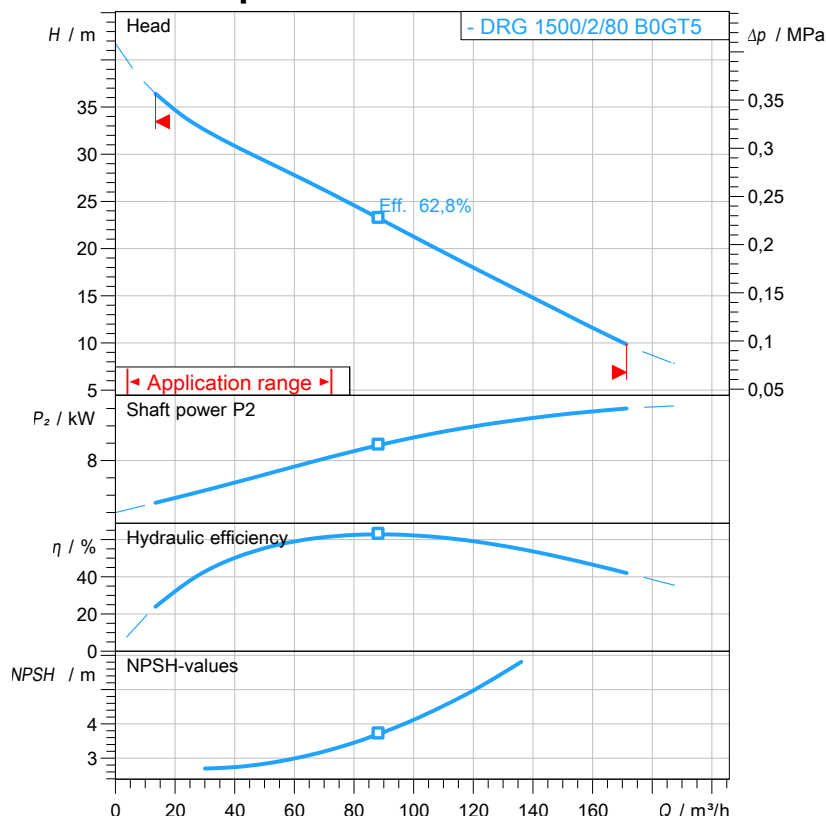
# Data sheet

## DRG 1500/2/80 B0GT5

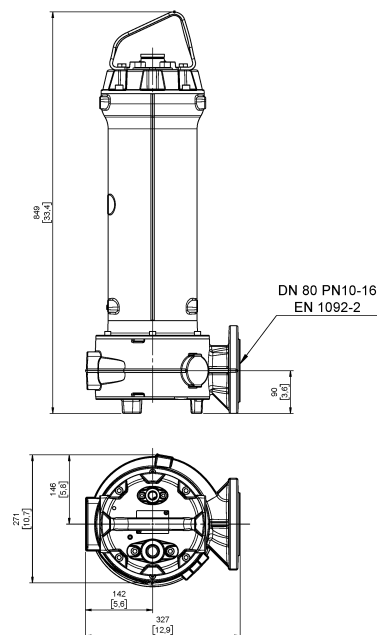
**GREY**  
series

### 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

[mm  
(inch)]

### Pump

|               |                     |
|---------------|---------------------|
| Series        | GREY series         |
| Pump name     | DRG 1500/2/80 B0GT5 |
| Configuration | NGTSB5104YN00NN     |
| Standard      | CE                  |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 2          |
| Rated power P2       | 11 kW      |
| Incoming power P1    | 12,6 kW    |
| Rated current        | 19,5 A     |
| rpm                  | 2895 1/min |
| Efficiency           | 87,6 %     |
| cos φ                | 0,93       |
| Rated torque         | 36,3 Nm    |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 55 x 50 mm              |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 62,8 %                  |
| Suction                   | DN 80 UNDRILLED         |
| Discharge                 | DN 80 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 sea water resistant |
| 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*             | 105,7 kg                              |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded

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# Data sheet

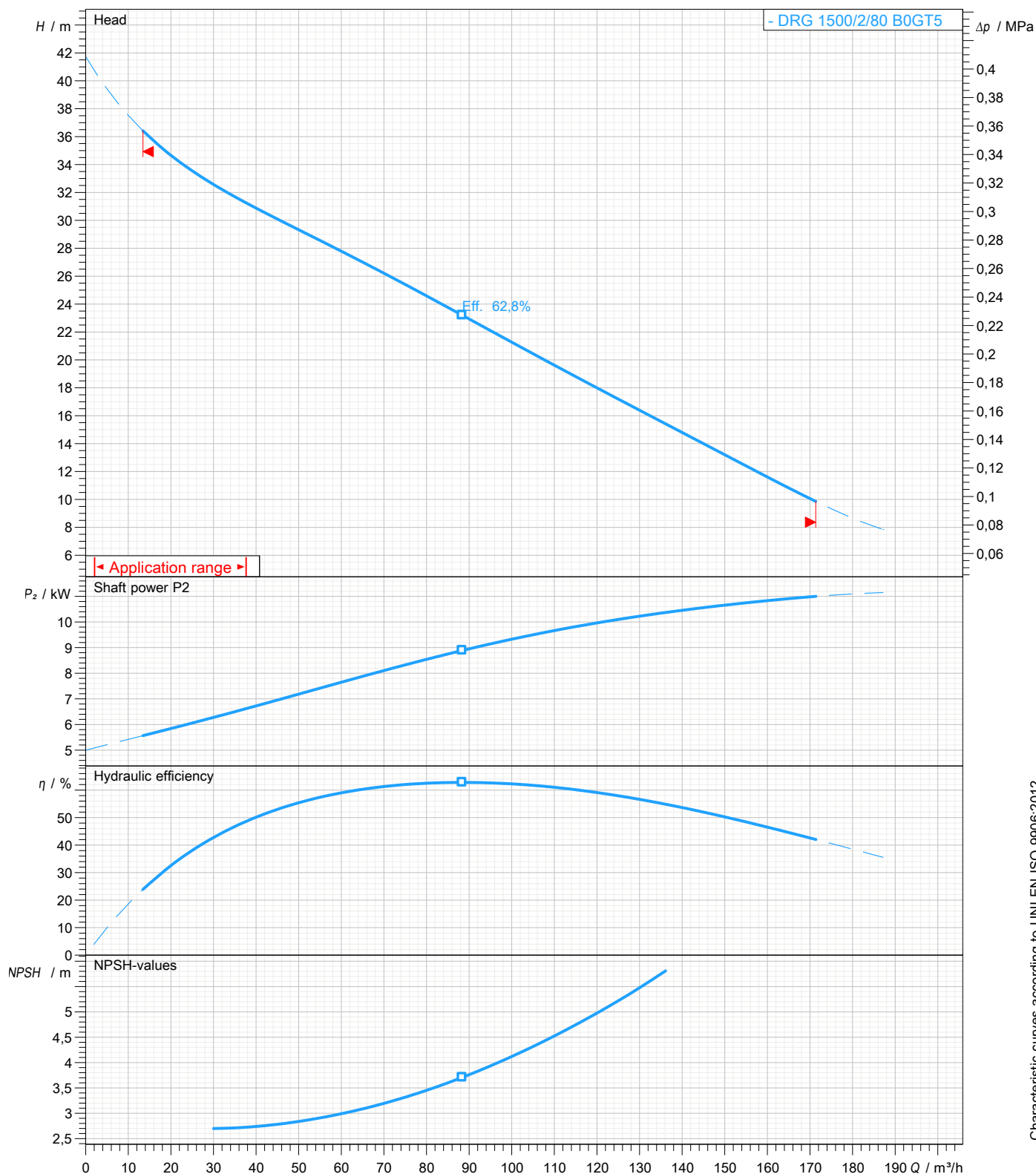
## DRG 1500/2/80 B0GT5

**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>55 x 50 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 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



water solutions

# Data sheet

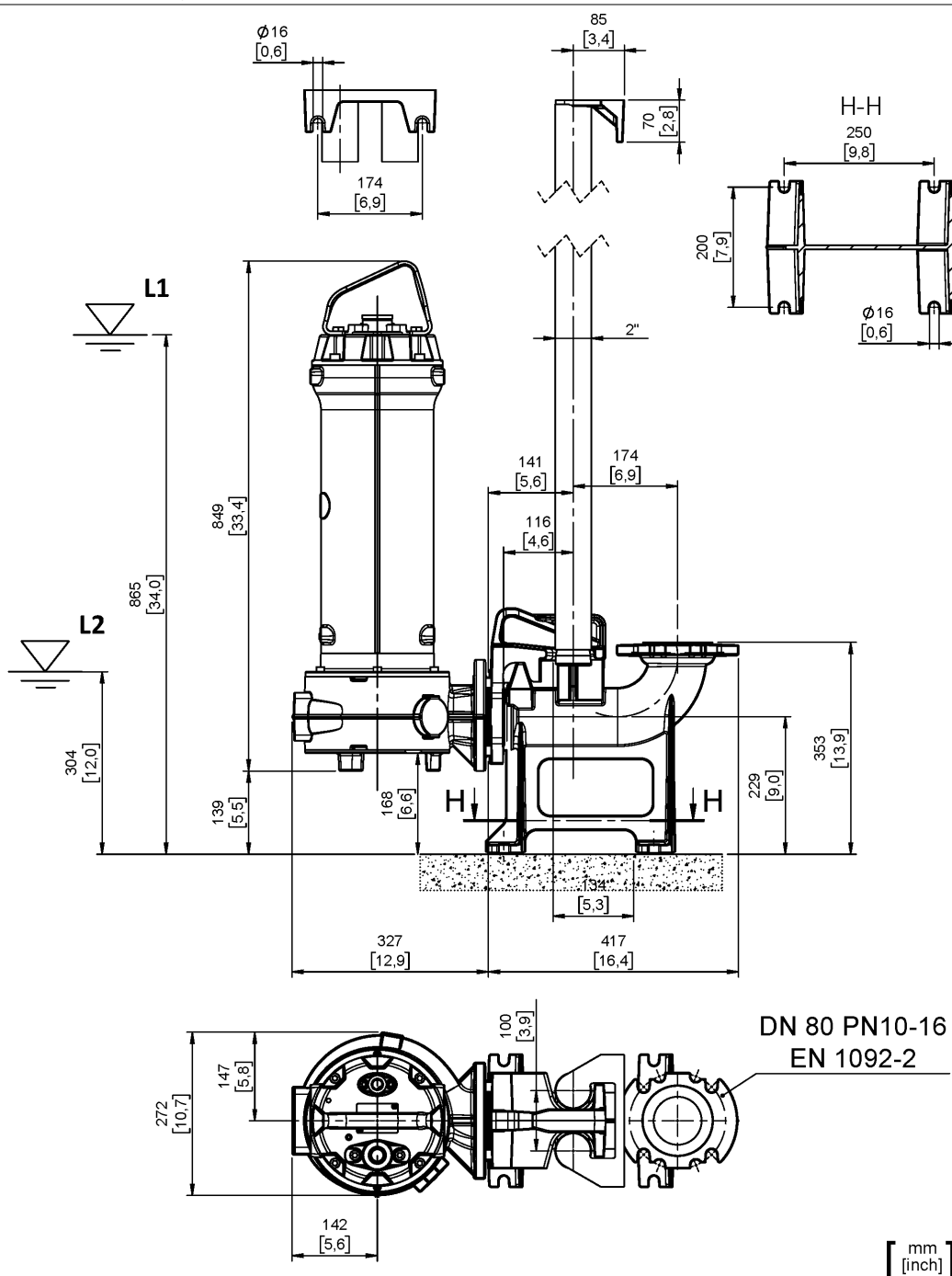
## DRG 1500/2/80 B0GT5

**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 continuous use

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

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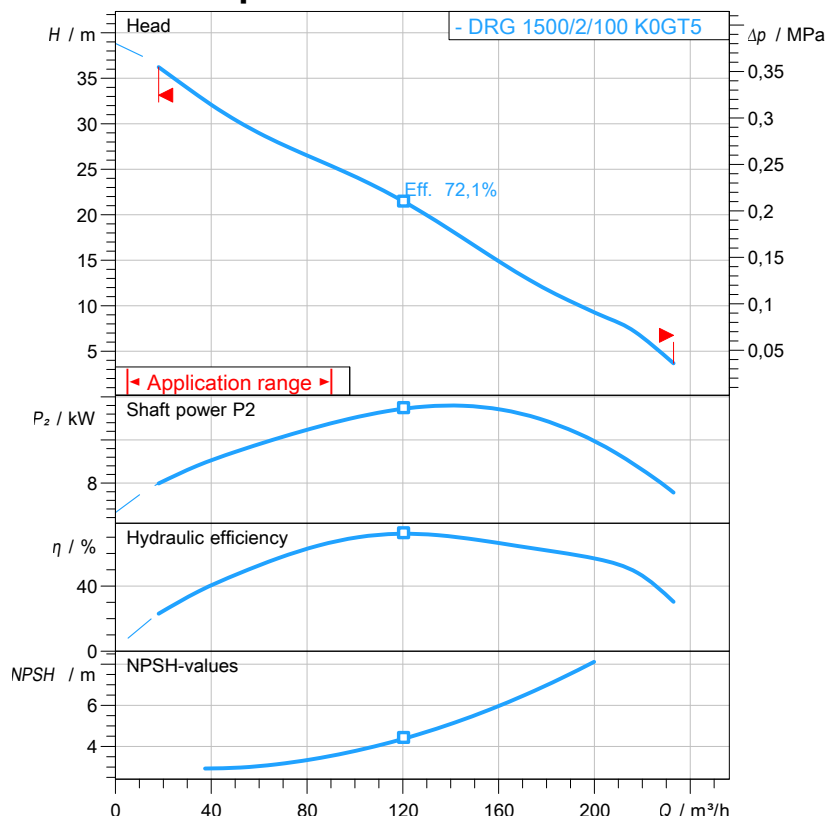
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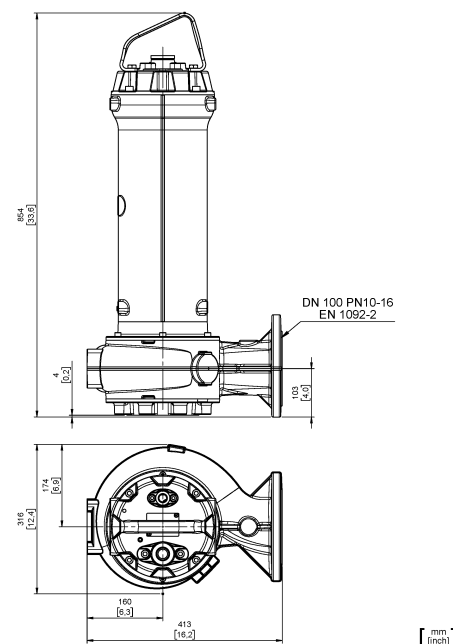
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## Technical specification

**3~ 50 Hz**



Characteristic curves according to UNI EN ISO 9906:2012



## Pump

|               |                      |
|---------------|----------------------|
| Series        | GREY series          |
| Pump name     | DRG 1500/2/100 K0GT5 |
| Configuration | NGTSB5104YN00NN      |
| Standard      | CE                   |

## Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 2          |
| Rated power P2       | 11 kW      |
| Incoming power P1    | 12,6 kW    |
| Rated current        | 19,5 A     |
| rpm                  | 2895 1/min |
| Efficiency           | 87,6 %     |
| cos φ                | 0,93       |
| Rated torque         | 36,3 Nm    |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

## Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 45 mm                   |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 72,1 %                  |
| Suction                   | DN 100 UNDRILLED        |
| Discharge                 | DN 100 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 sea water<br>resistant |
| 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*             | 115,7 kg                              |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded



water solutions

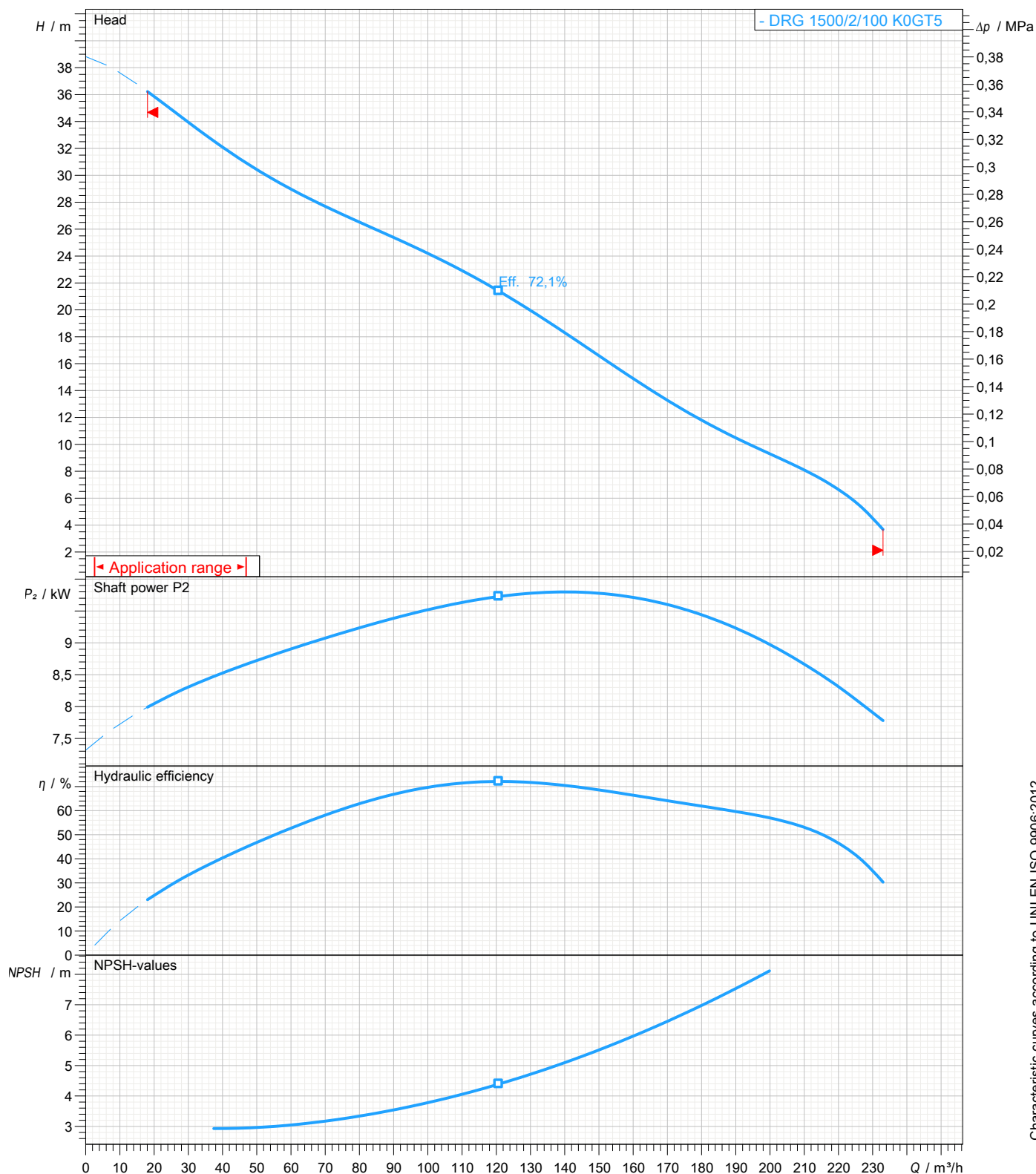
Data sheet

**DRG 1500/2/100 K0GT5****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>45 mm  | <b>Discharge</b><br>DN 100      | <b>Suction</b><br>DN 100 |
| <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  
P2<10kW: paragraph 4.4.2  
10kW<P2<100kW: Grade 3B  
P2>100kW: Grade 2B

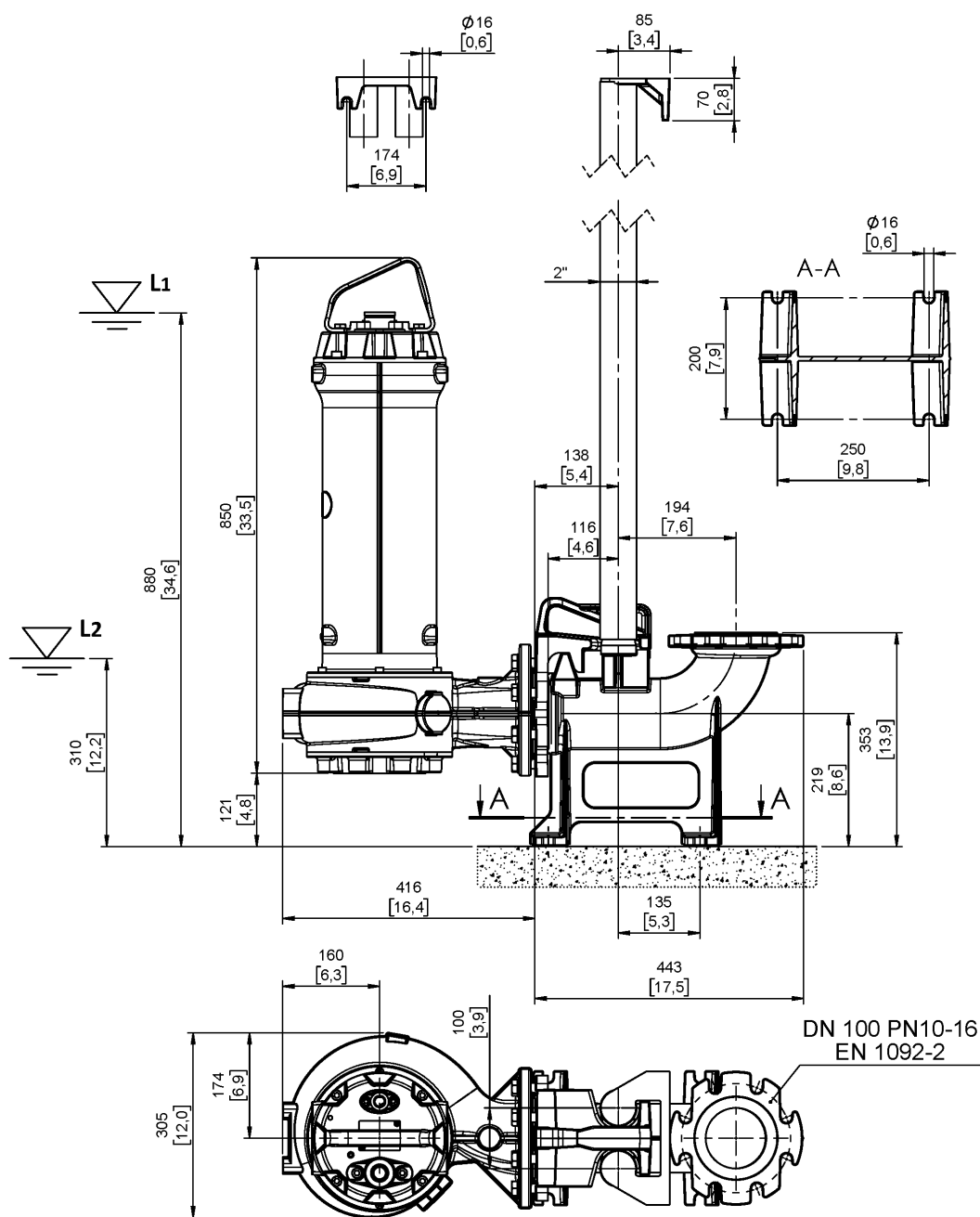


water solutions

Data sheet

**DRG 1500/2/100 K0GT5****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 100 EN 1092-2                                                   | <b>Suction:</b><br>DN 100 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 100/100V+KAF 116-2" EN (P)                                     |                                     | <b>Accessory code</b><br>9001.033                     |
| <b>Note: Accessory must be ordered separately</b>                                      |                                     |                                                       |

[ mm  
[inch]

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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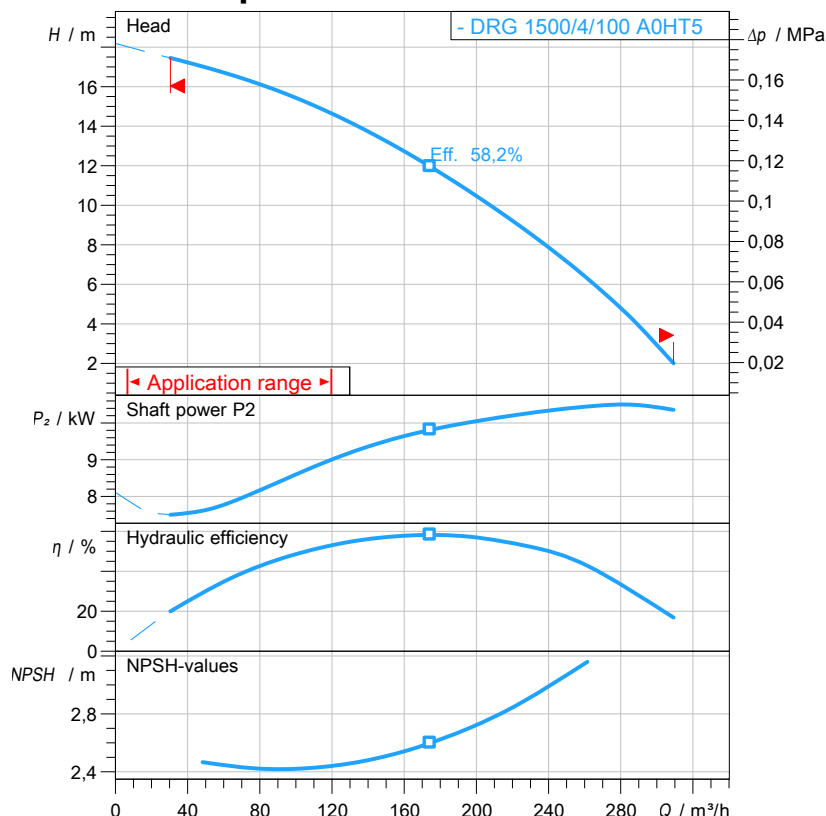
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# Data sheet

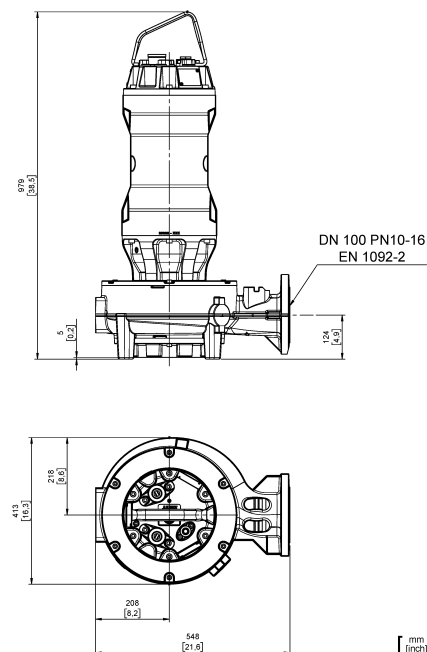
## DRG 1500/4/100 A0HT5

**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 1500/4/100 A0HT5 |
| Configuration | NGTSB5104YN00NN      |
| Standard      | CE                   |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 4          |
| Rated power P2       | 11 kW      |
| Incoming power P1    | 12,6 kW    |
| Rated current        | 20,5 A     |
| rpm                  | 1435 1/min |
| Efficiency           | 87,6 %     |
| cos φ                | 0,883      |
| Rated torque         | 73,2 Nm    |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 80 mm                   |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 58,2 %                  |
| Suction                   | DN 150 UNDRILLED        |
| Discharge                 | DN 100 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 sea water resistant |
| 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*             | 200 kg                                |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded



water solutions

# Data sheet

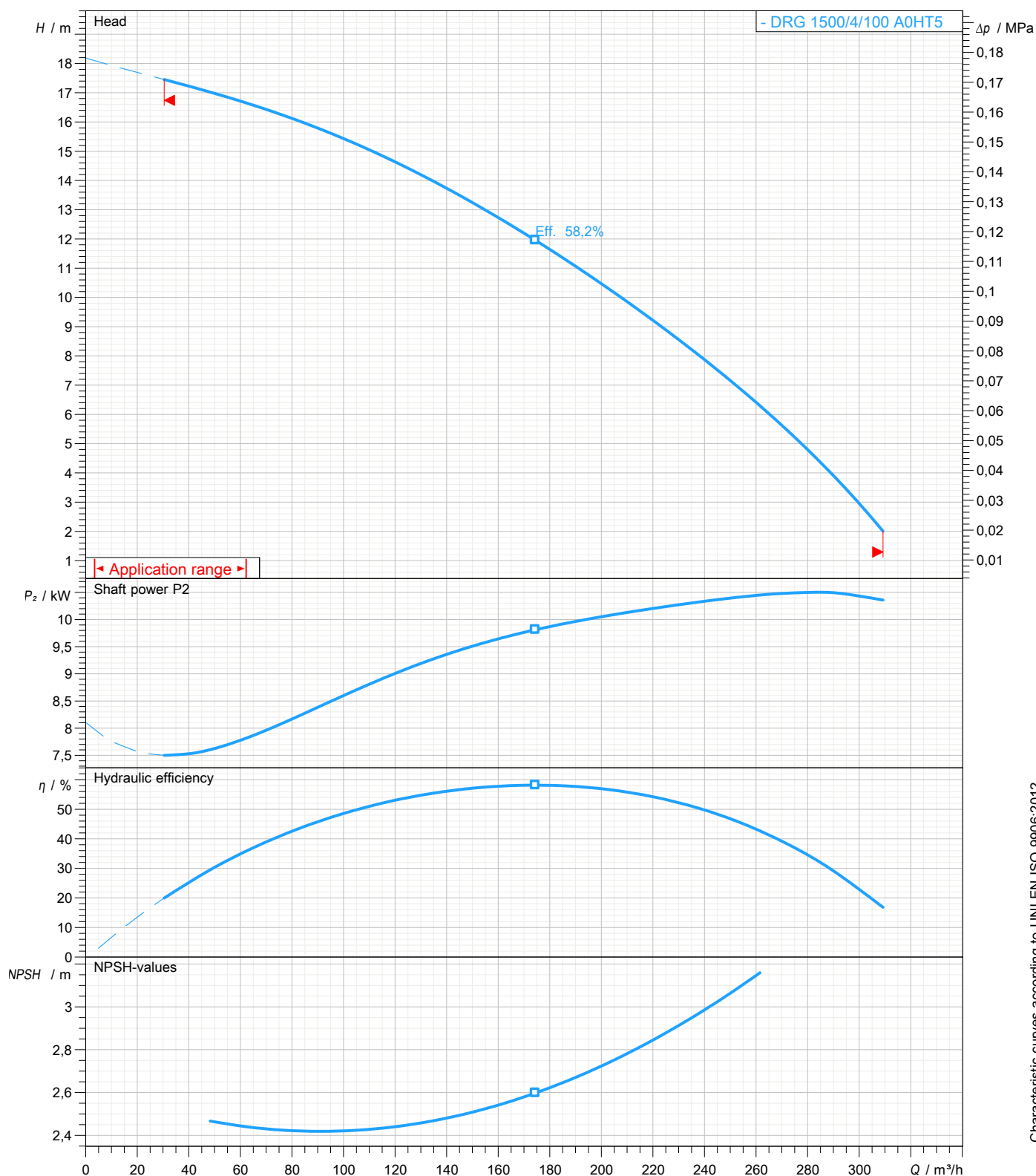
## DRG 1500/4/100 A0HT5

**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>80 mm  | <b>Discharge</b><br>DN 100      | <b>Suction</b><br>DN 150 |
| <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  
P2<10kW: paragraph 4.4.2  
10kW<P2<100kW: Grade 3B  
P2>100kW: Grade 2B

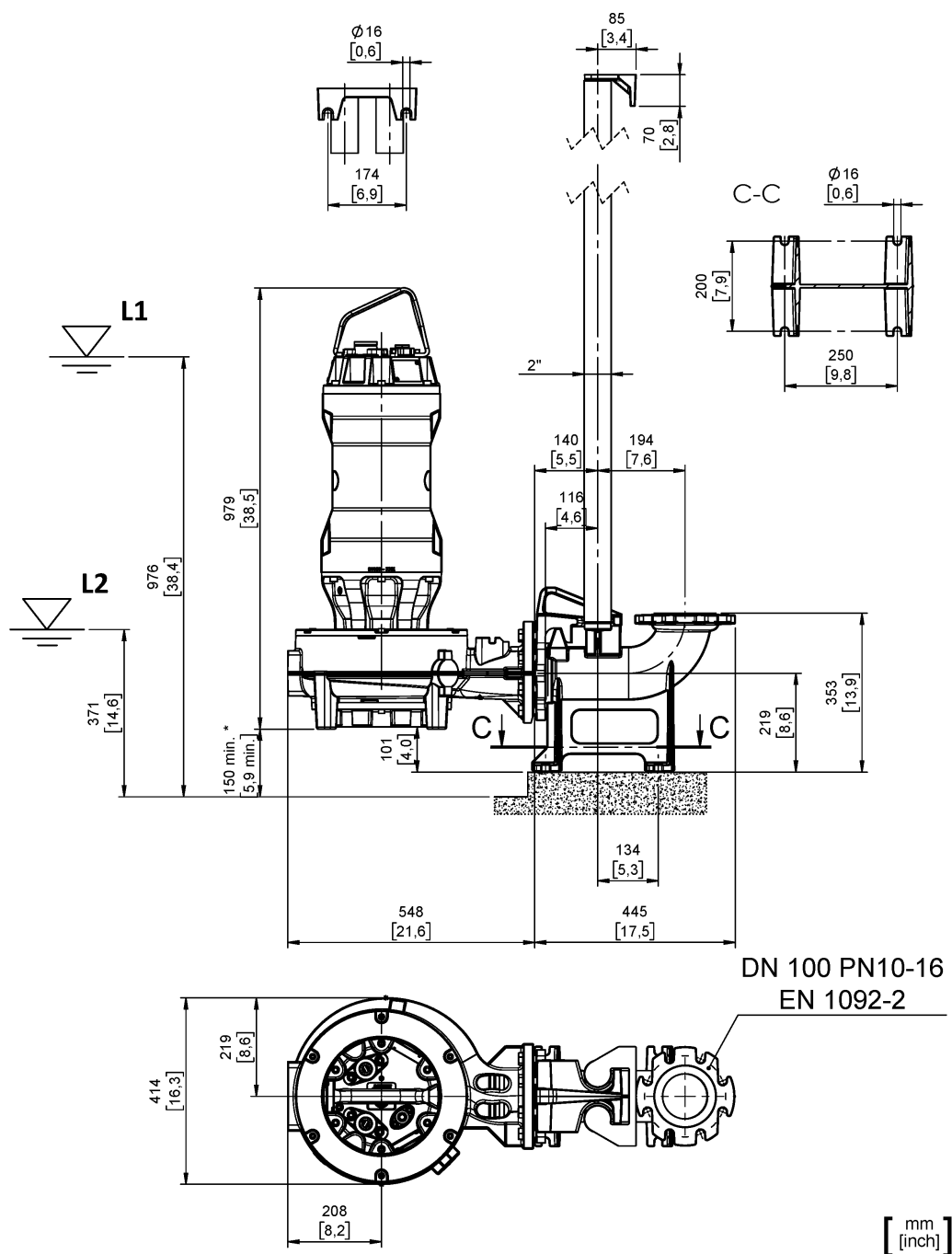


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Data sheet

**DRG 1500/4/100 A0HT5****GREY**  
series**Dimensional drawing****3~ 50 Hz**

|                                                                                                   |                                     |                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| <b>Installation type</b><br>P: bottom coupling device - vertical discharge DN100 - guide pipes 2" |                                     |                                                       |
| <b>Wet/dry use</b><br>WET                                                                         | <b>Drilling variant</b><br>N        | <b>Flushing valve - drilling</b><br>-                 |
| <b>Discharge</b><br>DN 100 EN 1092-2                                                              | <b>Suction:</b><br>DN 150 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 100/100V+KAF 116-2" EN (P)                                                |                                     | <b>Accessory code</b><br>9001.033                     |
| <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)



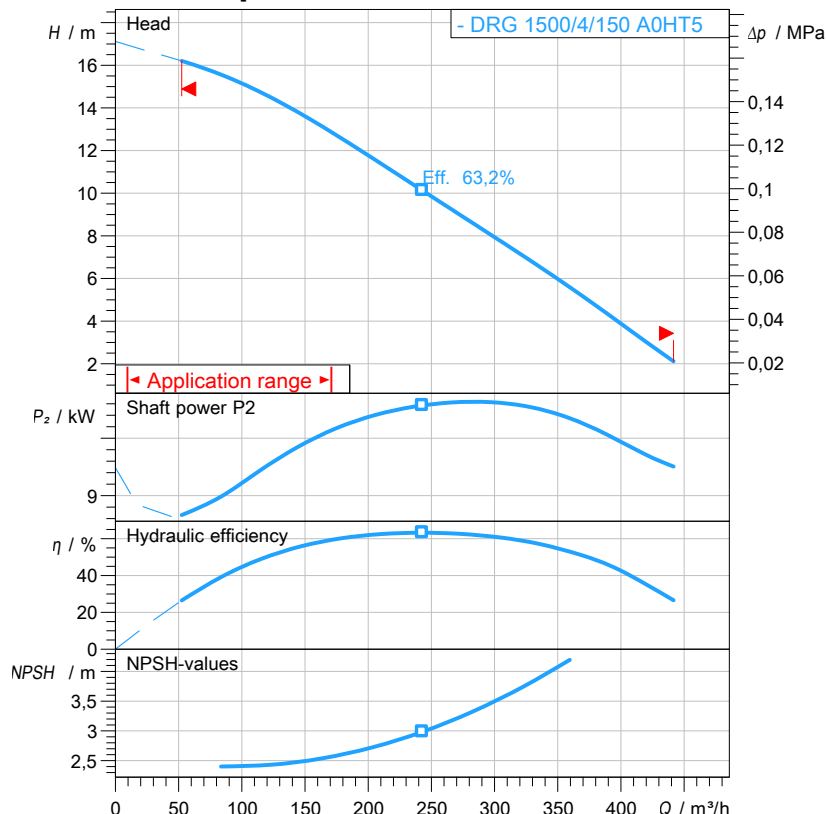
water solutions

# Data sheet

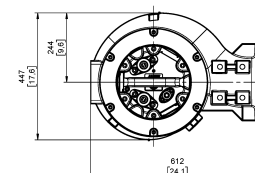
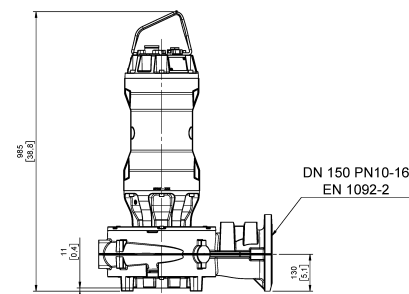
## DRG 1500/4/150 A0HT5

**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



[ mm (inch) ]

### Pump

|               |                      |
|---------------|----------------------|
| Series        | GREY series          |
| Pump name     | DRG 1500/4/150 A0HT5 |
| Configuration | NGTSB5104YN00NN      |
| Standard      | CE                   |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 4          |
| Rated power P2       | 11 kW      |
| Incoming power P1    | 12,6 kW    |
| Rated current        | 20,5 A     |
| rpm                  | 1435 1/min |
| Efficiency           | 87,6 %     |
| cos φ                | 0,883      |
| Rated torque         | 73,2 Nm    |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 80 mm                   |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 63,2 %                  |
| Suction                   | DN 150 UNDRILLED        |
| Discharge                 | DN 150 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 sea water resistant |
| 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*             | 212 kg                                |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded



water solutions

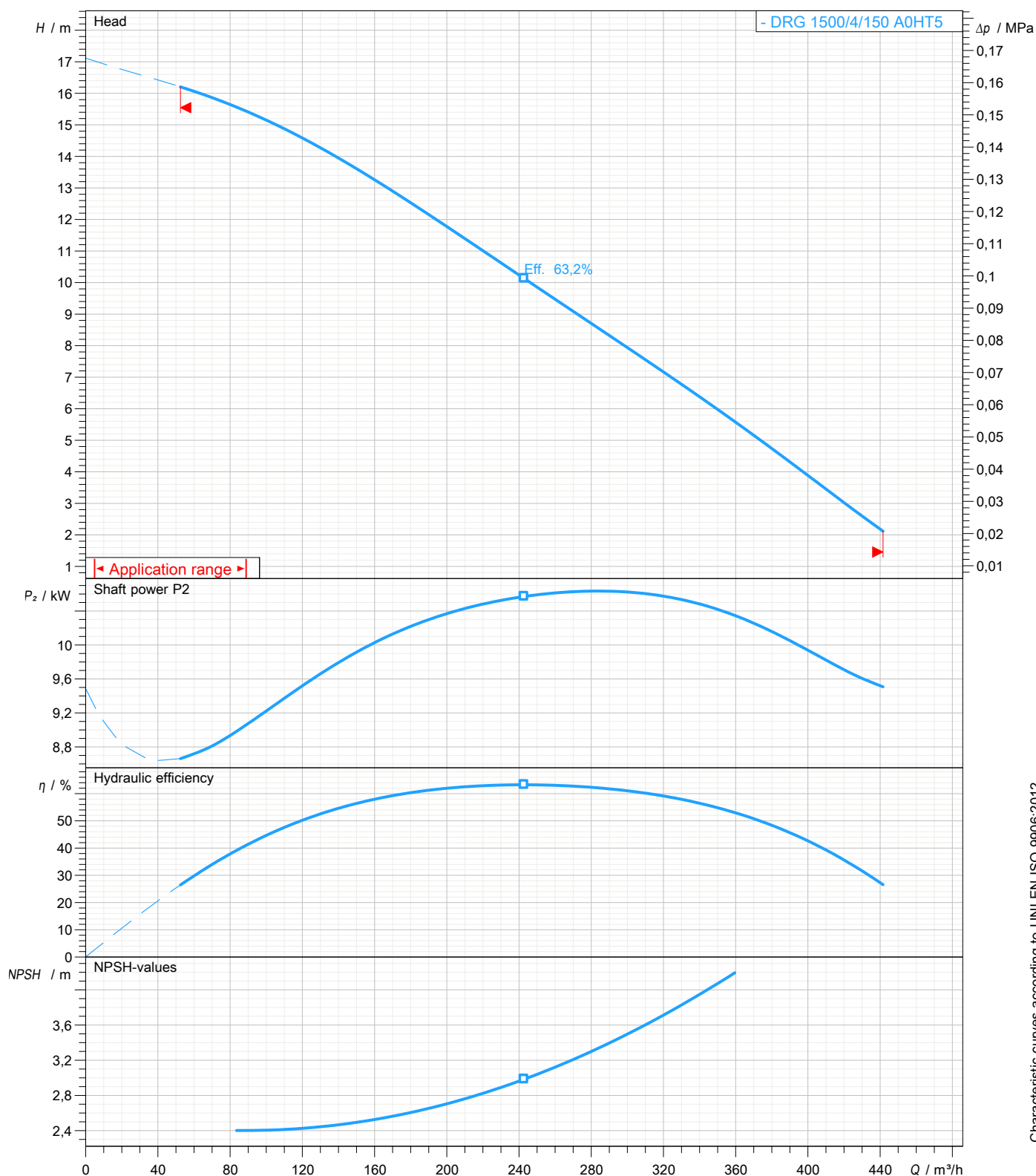
Data sheet

**DRG 1500/4/150 A0HT5****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>80 mm  | <b>Discharge</b><br>DN 150      | <b>Suction</b><br>DN 150 |
| <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

P2&lt;10kW: paragraph 4.4.2

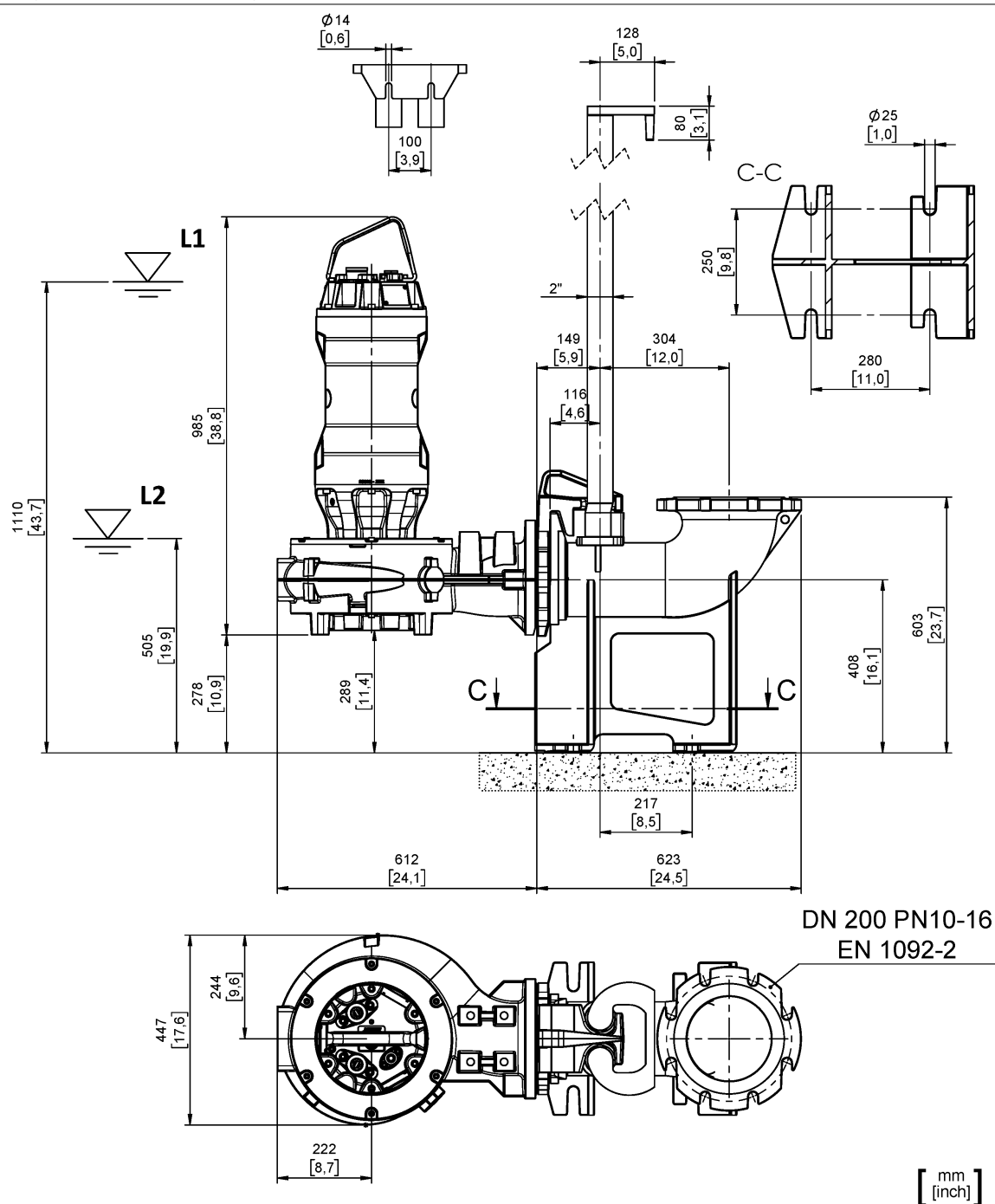
10kW&lt;P2&lt;100kW: Grade 3B

P2&gt;100kW: Grade 2B

## Dimensional drawing

**3~ 50 Hz**

|                                                                                                   |                                     |                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| <b>Installation type</b><br>P: bottom coupling device - vertical discharge DN200 - guide pipes 2" |                                     |                                                       |
| <b>Wet/dry use</b><br>WET                                                                         | <b>Drilling variant</b><br>N        | <b>Flushing valve - drilling</b><br>-                 |
| <b>Discharge</b><br>DN 150 EN 1092-2                                                              | <b>Suction:</b><br>DN 150 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 150/200V+KAF 116-2" EN (P)                                                |                                     | <b>Accessory code</b><br>9001.010                     |
| <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)



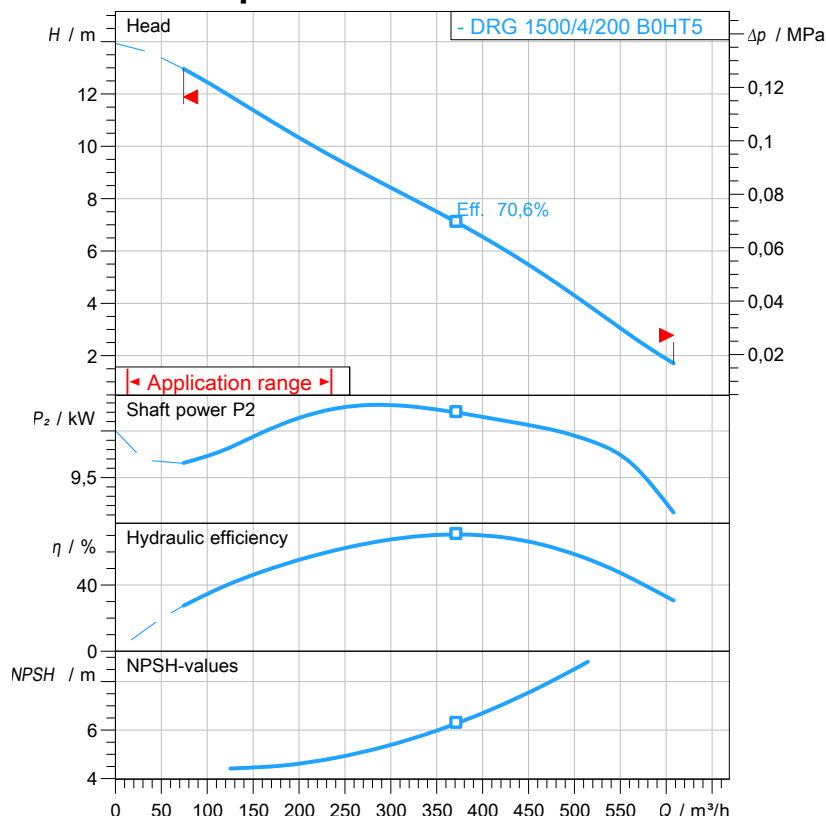
water solutions

# Data sheet

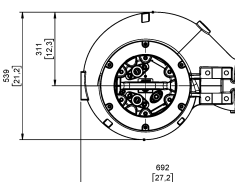
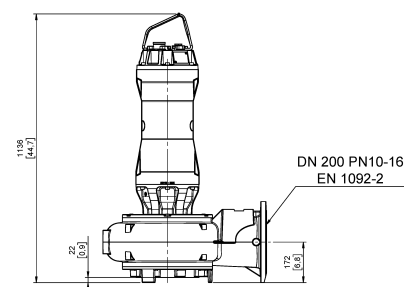
## DRG 1500/4/200 B0HT5

**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



[ mm (inch) ]

### Pump

|               |                      |
|---------------|----------------------|
| Series        | GREY series          |
| Pump name     | DRG 1500/4/200 B0HT5 |
| Configuration | NGTSB5104YN00NN      |
| Standard      | CE                   |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 4          |
| Rated power P2       | 11 kW      |
| Incoming power P1    | 12,6 kW    |
| Rated current        | 20,5 A     |
| rpm                  | 1435 1/min |
| Efficiency           | 87,6 %     |
| cos φ                | 0,883      |
| Rated torque         | 73,2 Nm    |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 80 mm                   |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 70,6 %                  |
| Suction                   | DN 200 UNDRILLED        |
| Discharge                 | DN 200 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 sea water resistant |
| 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*             | 239 kg                                |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded



water solutions

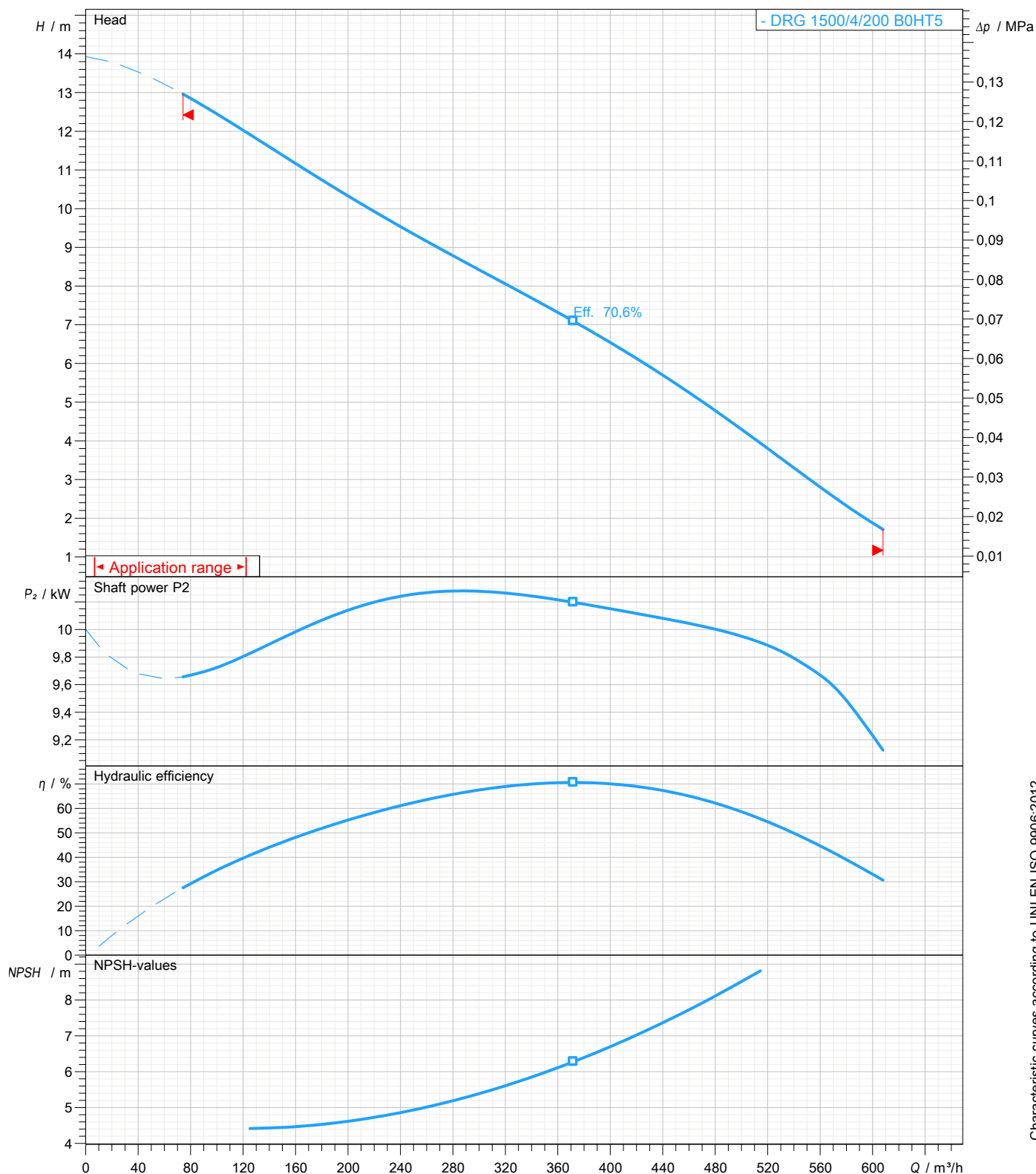
Data sheet

**DRG 1500/4/200 B0HT5****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>80 mm  | <b>Discharge</b><br>DN 200      | <b>Suction</b><br>DN 200 |
| <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

P2 &lt; 10 kW: paragraph 4.4.2

10 kW &lt; P2 &lt; 100 kW: Grade 3B

P2 &gt; 100 kW: Grade 2B

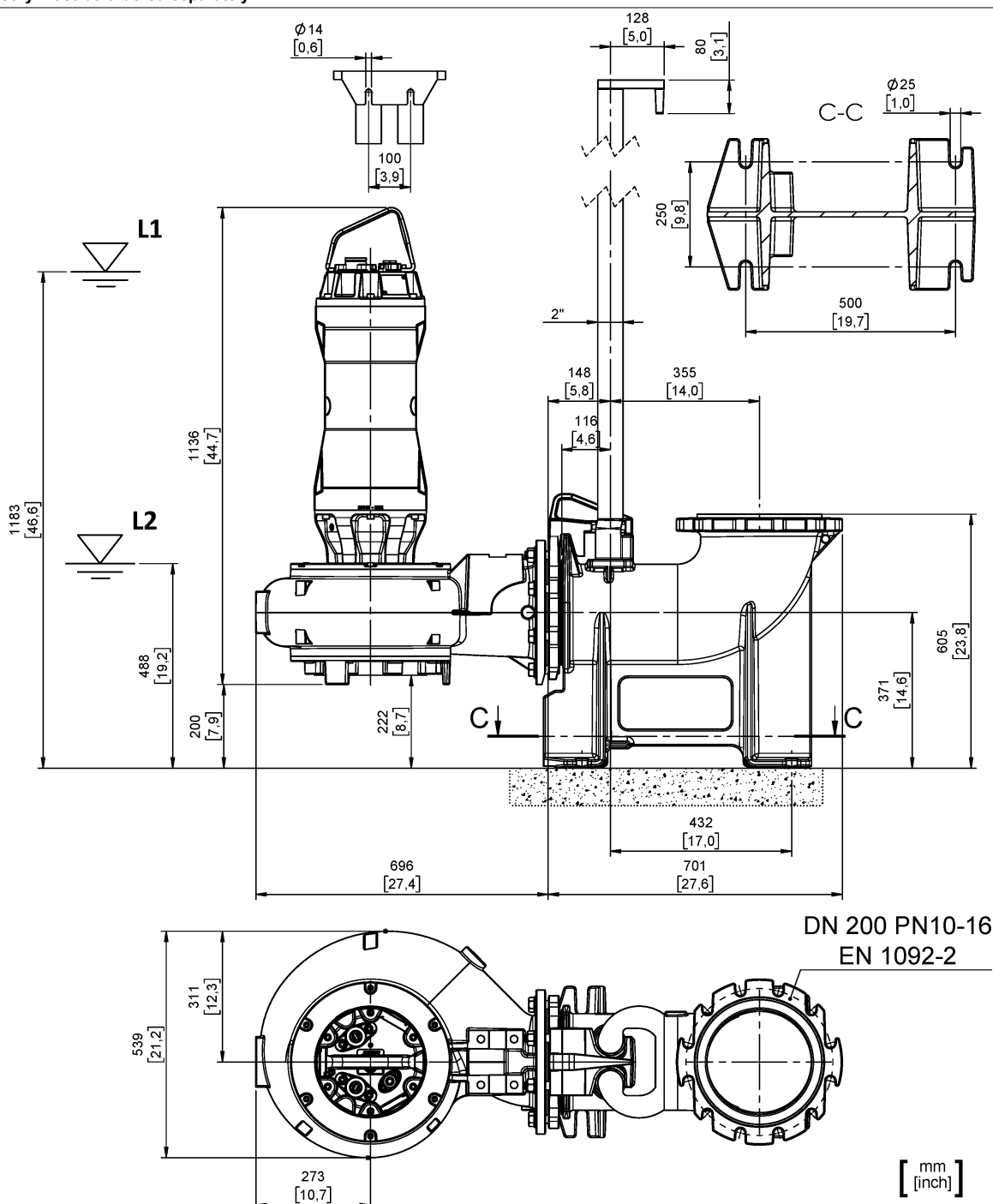


water solutions

Data sheet

**DRG 1500/4/200 B0HT5****GREY**  
series**Dimensional drawing****3~ 50 Hz**

|                                                                                                   |                                     |                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| <b>Installation type</b><br>P: bottom coupling device - vertical discharge DN250 - guide pipes 2" |                                     |                                                       |
| <b>Wet/dry use</b><br>WET                                                                         | <b>Drilling variant</b><br>N        | <b>Flushing valve - drilling</b><br>-                 |
| <b>Discharge</b><br>DN 200 EN 1092-2                                                              | <b>Suction:</b><br>DN 200 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 200/250V+KAF 116-2" EN (P)                                                |                                     | <b>Accessory code</b><br>9001.012                     |
| <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)

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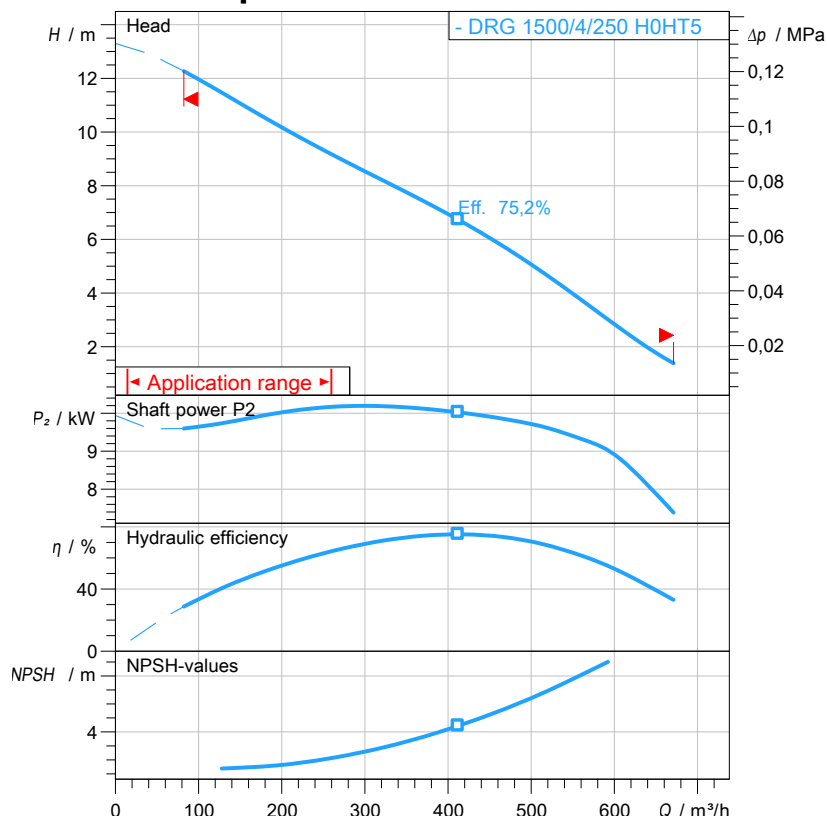
# Data sheet

## DRG 1500/4/250 H0HT5

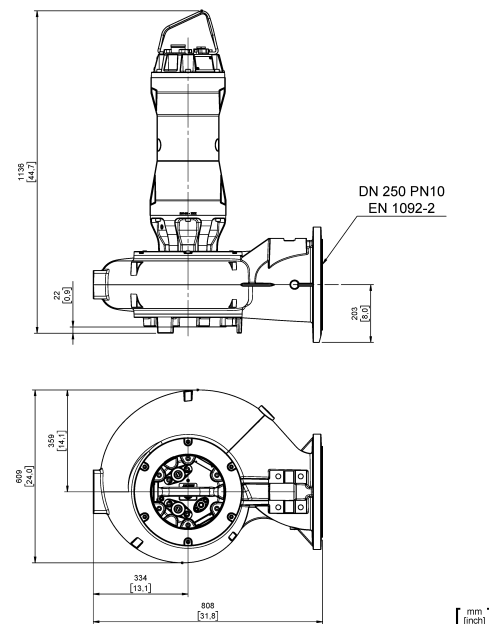
**GREY**  
series

### 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 1500/4/250 H0HT5 |
| Configuration | NGTSB5104YN00NN      |
| Standard      | CE                   |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 4          |
| Rated power P2       | 11 kW      |
| Incoming power P1    | 12,6 kW    |
| Rated current        | 20,5 A     |
| rpm                  | 1435 1/min |
| Efficiency           | 87,6 %     |
| cos φ                | 0,883      |
| Rated torque         | 73,2 Nm    |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 80 mm                   |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 75,2 %                  |
| Suction                   | DN 200 UNDRILLED        |
| Discharge                 | DN 250 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 sea water resistant |
| 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*             | 270 kg                                |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded

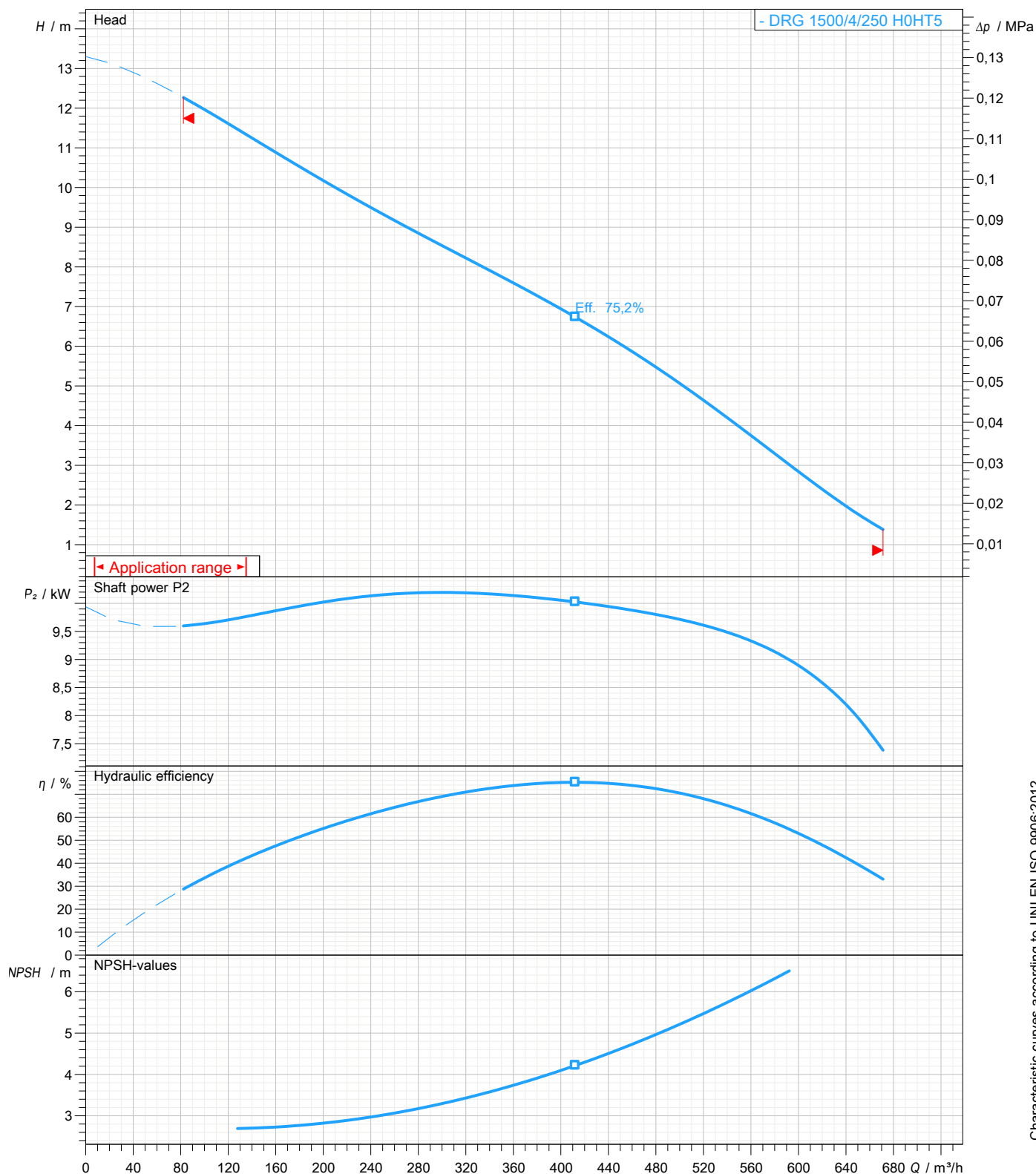


water solutions

Data sheet

**DRG 1500/4/250 H0HT5****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>80 mm | <b>Discharge</b><br>DN 250                | <b>Suction</b><br>DN 200                     |
| <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&lt;10kW: paragraph 4.4.2

10kW&lt;P2&lt;100kW: Grade 3B

P2&gt;100kW: Grade 2B



water solutions

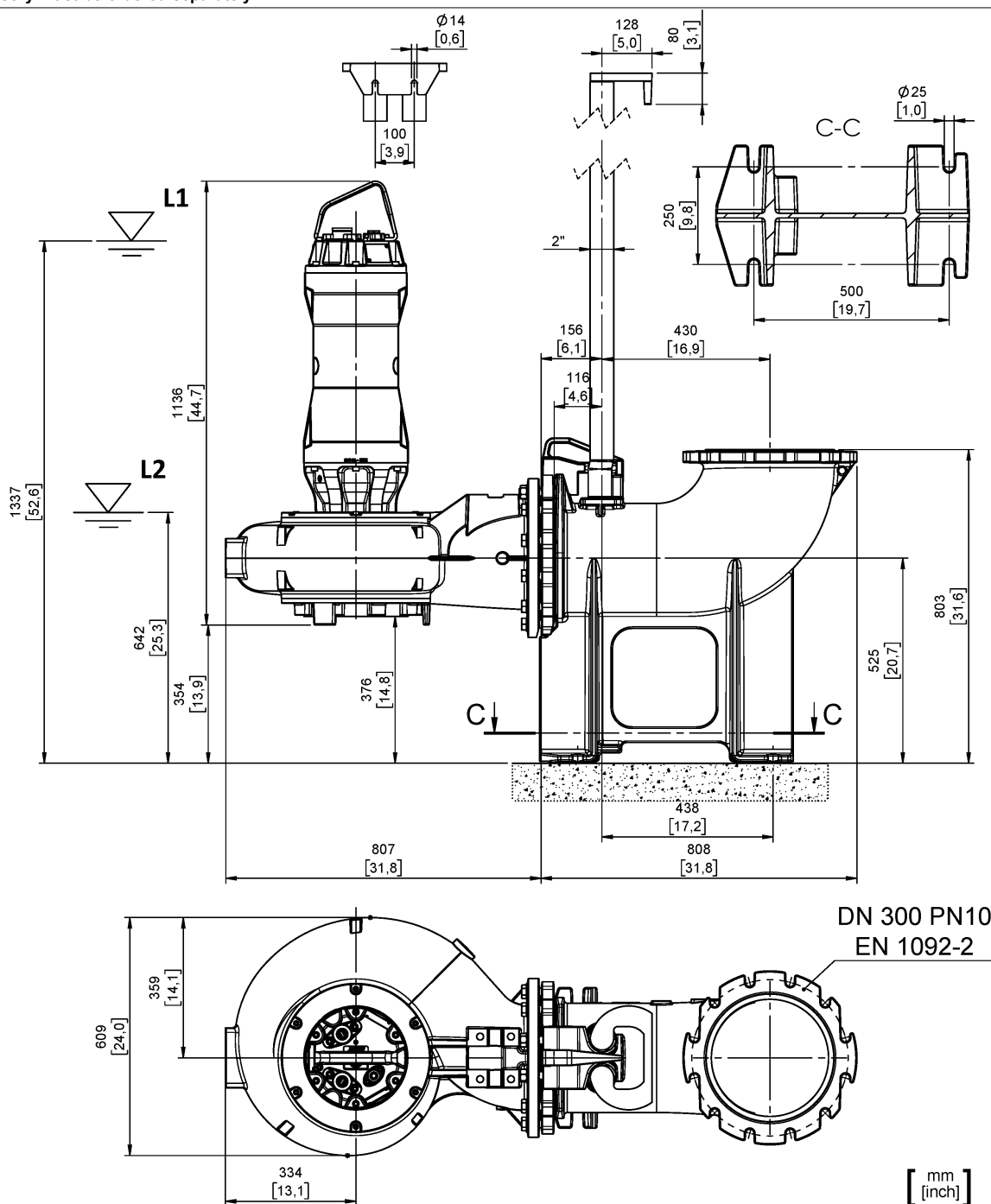
Data sheet

**DRG 1500/4/250 H0HT5****GREY**

series

**Dimensional drawing****3~ 50 Hz**

|                                                                                                   |                                     |                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| <b>Installation type</b><br>P: bottom coupling device - vertical discharge DN300 - guide pipes 2" |                                     |                                                       |
| <b>Wet/dry use</b><br>WET                                                                         | <b>Drilling variant</b><br>N        | <b>Flushing valve - drilling</b><br>-                 |
| <b>Discharge</b><br>DN 250 EN 1092-2                                                              | <b>Suction:</b><br>DN 200 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 250/300V+KAF 116-2" EN (P)                                                |                                     | <b>Accessory code</b><br>9001.013                     |
| <b>Note: Accessory must be ordered separately</b>                                                 |                                     |                                                       |

DN 300 PN10  
EN 1092-2[ mm  
[inch]

L1: Minimum operating level for continuous use

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



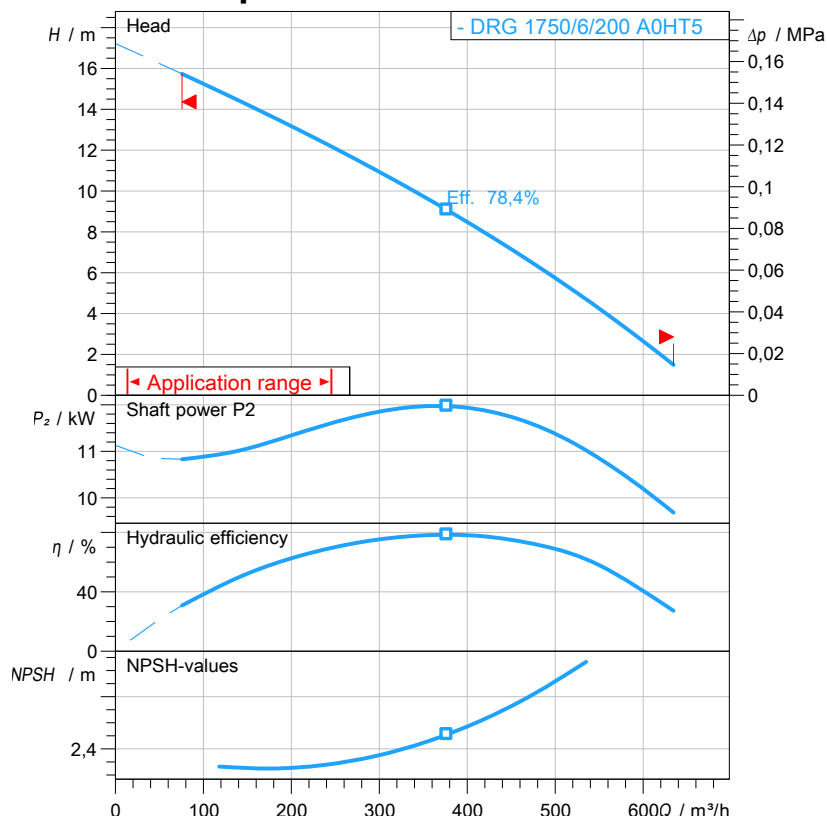
water solutions

# Data sheet

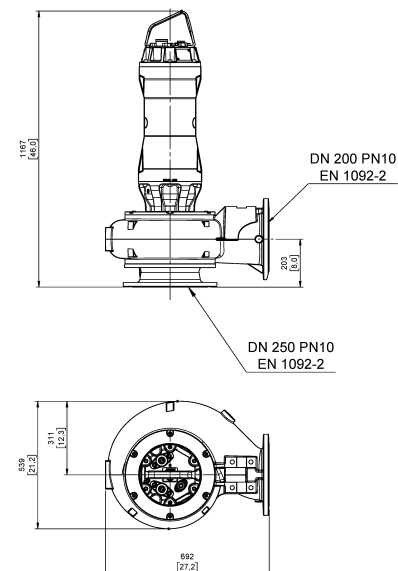
## DRG 1750/6/200 A0HT5

**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

[ mm  
(inch) ]

### Pump

|               |                      |
|---------------|----------------------|
| Series        | GREY series          |
| Pump name     | DRG 1750/6/200 A0HT5 |
| Configuration | NGTSB5104YN00NN      |
| Standard      | CE                   |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 6          |
| Rated power P2       | 13 kW      |
| Incoming power P1    | 15 kW      |
| Rated current        | 27,6 A     |
| rpm                  | 955 1/min  |
| Efficiency           | 86,9 %     |
| cos φ                | 0,783      |
| Rated torque         | 130,0 Nm   |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 100 x 70 mm             |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 78,4 %                  |
| Suction                   | DN 250 UNDRILLED        |
| Discharge                 | DN 200 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 sea water resistant |
| Screws           | Stainless steel - Class A2-70       |
| Gaskets          | NBR                                 |

### Construction features

|                     |                                       |
|---------------------|---------------------------------------|
| Cooling system      | No cooling jacket                     |
| Main cable          | 7G2,5 + 3x1                           |
| Cable length        | 10 mt                                 |
| Mechanical seals    | 2 in silicon carbide (2SiC)           |
| Additional drilling | -                                     |
| Weight*             | 293,8 kg                              |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded

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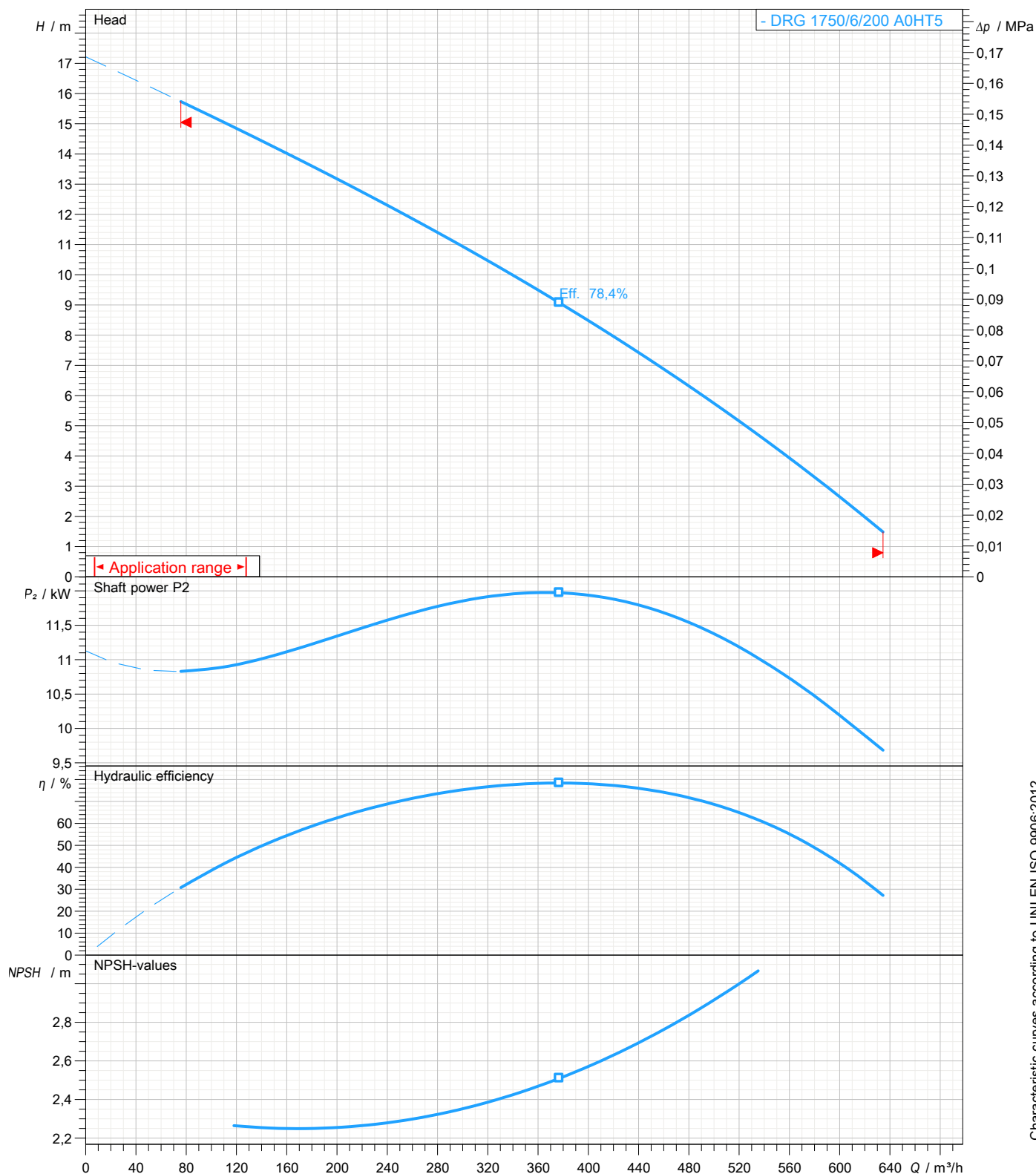


water solutions

Data sheet

**DRG 1750/6/200 A0HT5****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>100 x 70 mm | <b>Discharge</b><br>DN 200      | <b>Suction</b><br>DN 250 |
| <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 |                          |

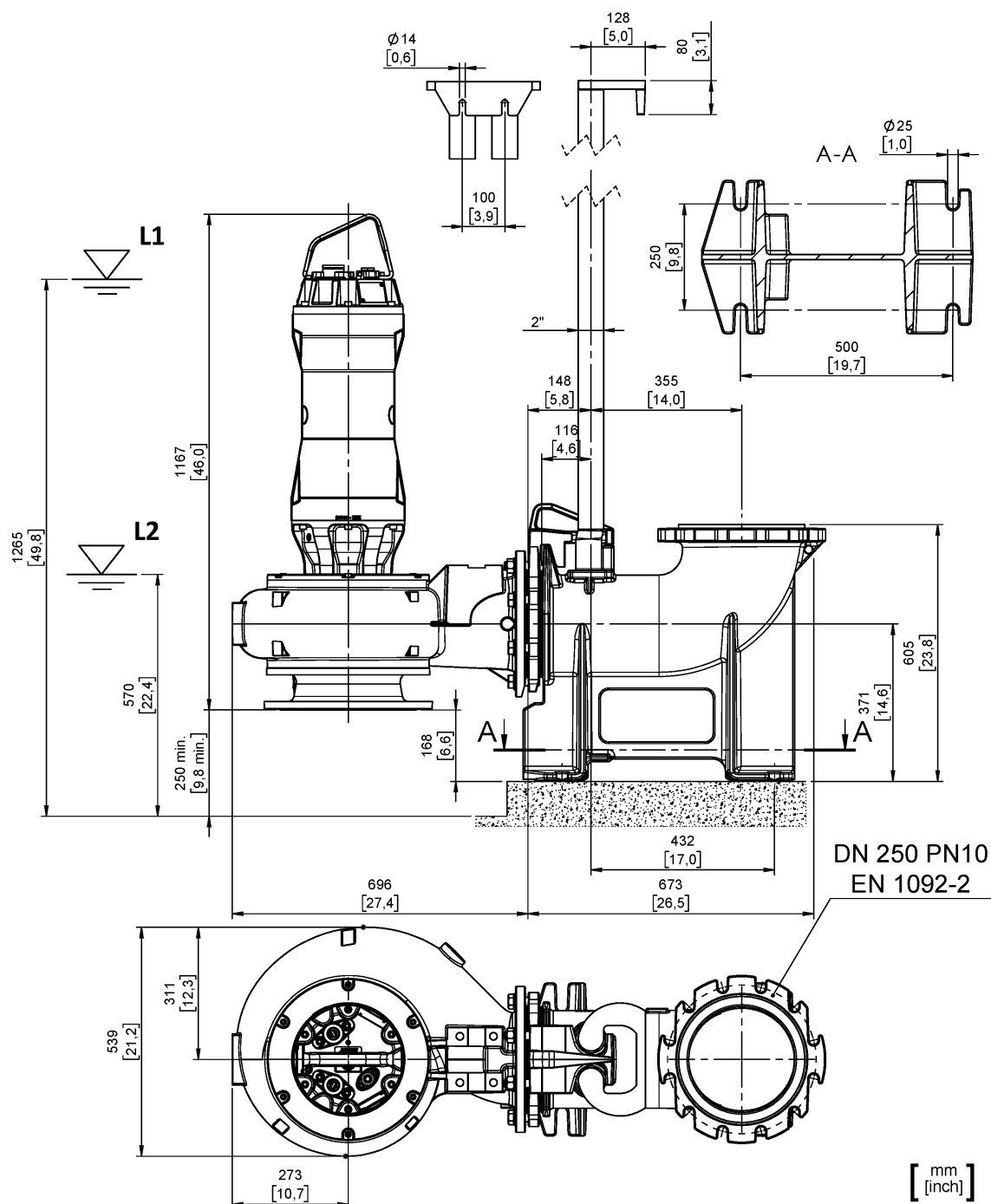


Characteristic curves according to UNI EN ISO 9906:2012  
P<sub>2</sub><10kW: paragraph 4.4.2  
10kW<P<sub>2</sub><100kW: Grade 3B  
P<sub>2</sub>>100kW: Grade 2B

## Dimensional drawing

**3~ 50 Hz**

|                                                                                                   |                                     |                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| <b>Installation type</b><br>P: bottom coupling device - vertical discharge DN250 - guide pipes 2" |                                     |                                                       |
| <b>Wet/dry use</b><br>WET                                                                         | <b>Drilling variant</b><br>N        | <b>Flushing valve - drilling</b><br>-                 |
| <b>Discharge</b><br>DN 200 EN 1092-2                                                              | <b>Suction:</b><br>DN 250 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 200/250V+KAF 116-2" EN (P)                                                |                                     | <b>Accessory code</b><br>9001.012                     |
| <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)



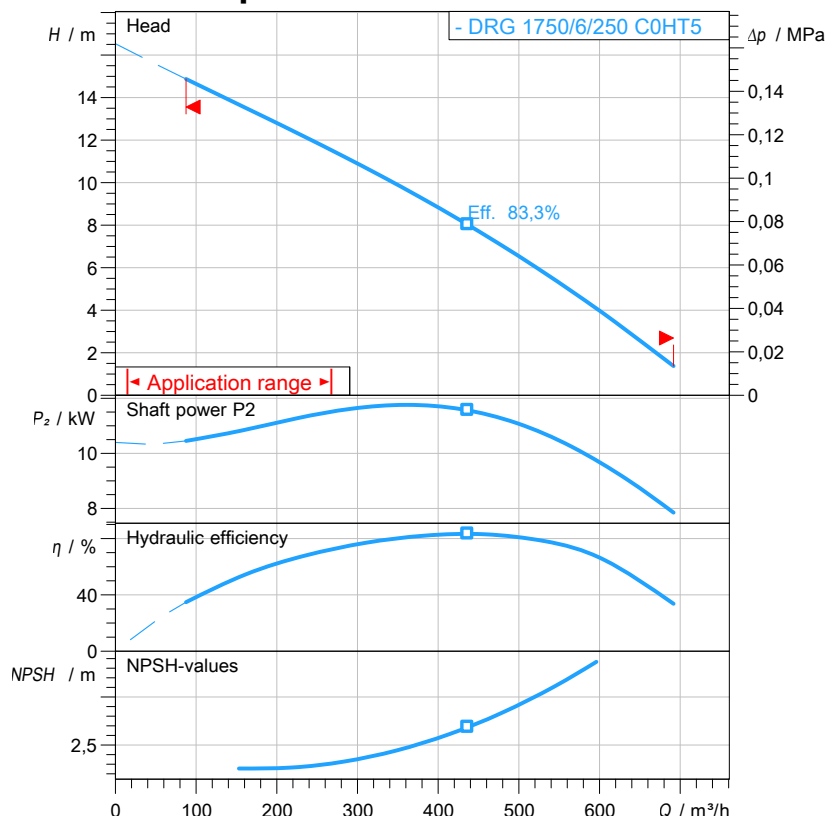
water solutions

# Data sheet

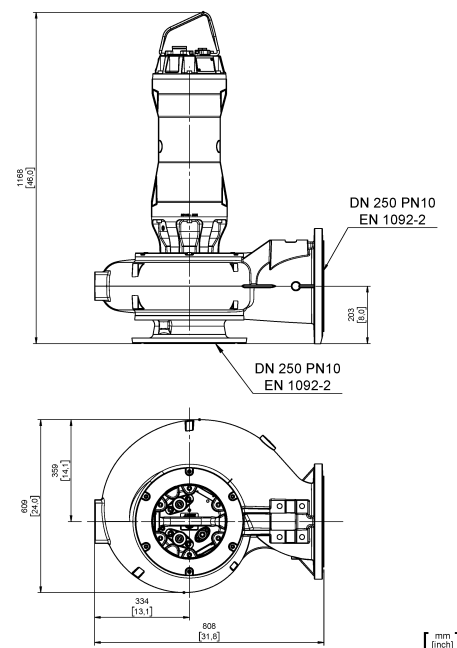
## DRG 1750/6/250 C0HT5

**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 1750/6/250 C0HT5 |
| Configuration | NGTSB5104YN00NN      |
| Standard      | CE                   |

### Motor data

|                      |            |
|----------------------|------------|
| Rated voltage        | 400 V      |
| Frequency            | 50 Hz      |
| Motor phases         | 3~         |
| Number of poles      | 6          |
| Rated power P2       | 13 kW      |
| Incoming power P1    | 15 kW      |
| Rated current        | 27,6 A     |
| rpm                  | 955 1/min  |
| Efficiency           | 86,9 %     |
| cos φ                | 0,783      |
| Rated torque         | 130,0 Nm   |
| Start                | Star-delta |
| Degree of protection | IP 68      |
| Insulation class     | H          |

### Hydraulic

|                           |                         |
|---------------------------|-------------------------|
| Type                      | DR (Multi-channel open) |
| Free passage              | 100 x 70 mm             |
| Impeller type             | Open channel impeller   |
| Max. hydraulic efficiency | 83,3 %                  |
| Suction                   | DN 250 UNDRILLED        |
| Discharge                 | DN 250 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 sea water resistant |
| Screws           | Stainless steel - Class A2-70       |
| Gaskets          | NBR                                 |

### Construction features

|                     |                                       |
|---------------------|---------------------------------------|
| Cooling system      | No cooling jacket                     |
| Main cable          | 7G2,5 + 3x1                           |
| Cable length        | 10 mt                                 |
| Mechanical seals    | 2 in silicon carbide (2SiC)           |
| Additional drilling | -                                     |
| Weight*             | 319,3 kg                              |
| Electrical variant  | Thermal protection and leakage sensor |

\* cable, stand and guiding system excluded



water solutions

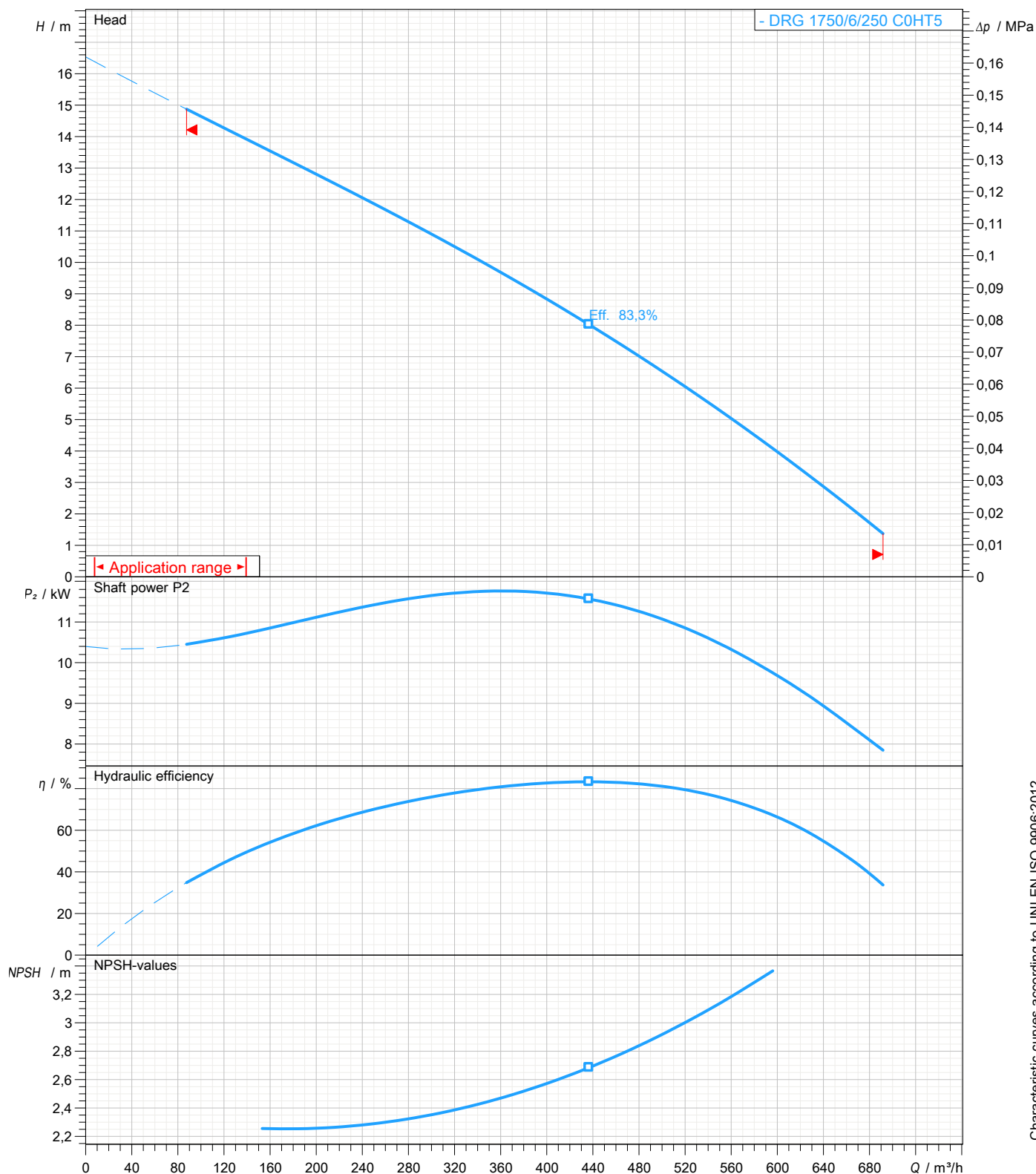
Data sheet

**DRG 1750/6/250 C0HT5****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>100 x 70 mm | <b>Discharge</b><br>DN 250  | <b>Suction</b><br>DN 250                     |
| <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

P<sub>2</sub><10kW: paragraph 4.4.210kW<P<sub>2</sub><100kW: Grade 3BP<sub>2</sub>>100kW: Grade 2B



water solutions

# Data sheet

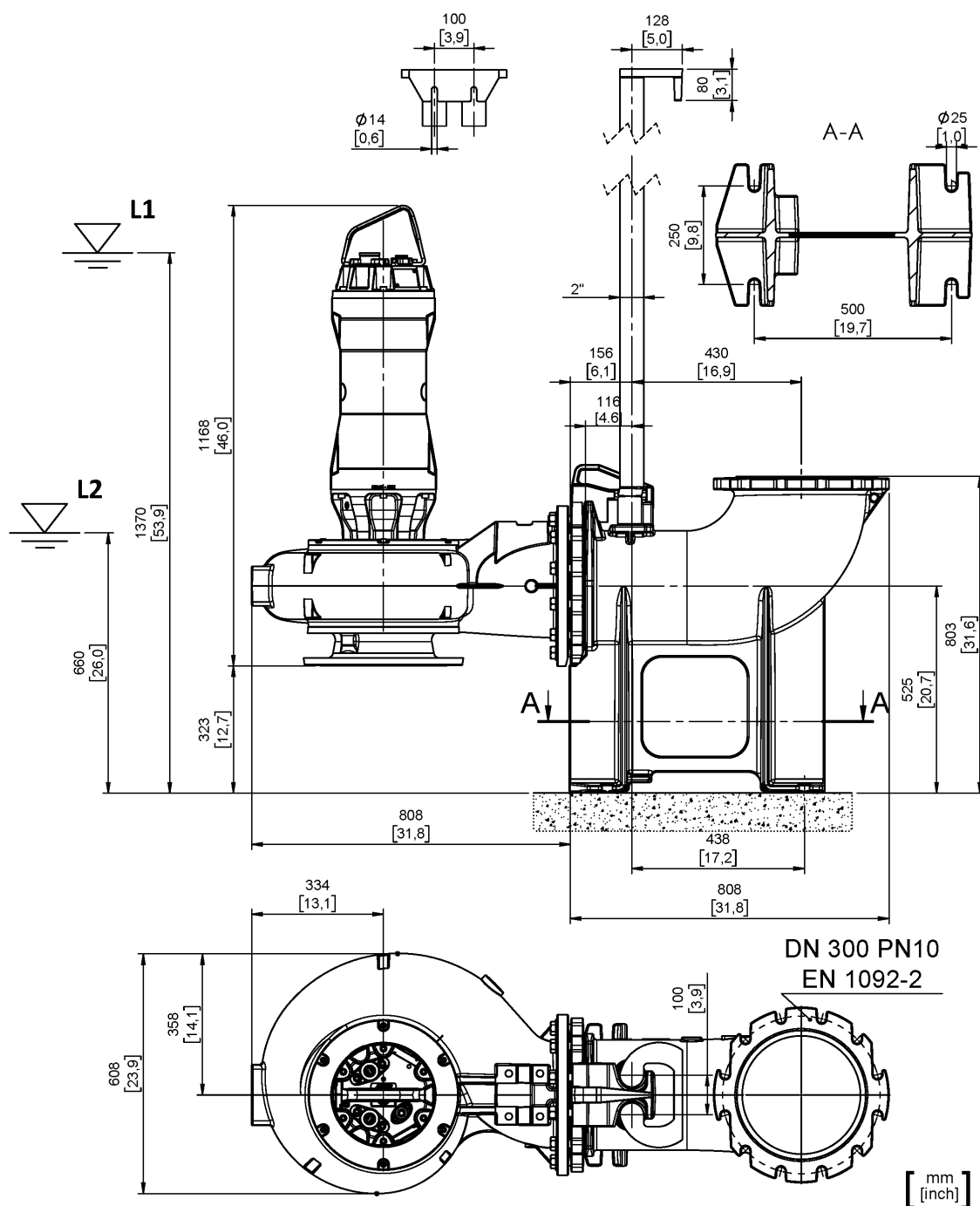
## DRG 1750/6/250 C0HT5

**GREY**  
series

### Dimensional drawing

3~ 50 Hz

|                                                                                                   |                                     |                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| <b>Installation type</b><br>P: bottom coupling device - vertical discharge DN300 - guide pipes 2" |                                     |                                                       |
| <b>Wet/dry use</b><br>WET                                                                         | <b>Drilling variant</b><br>N        | <b>Flushing valve - drilling</b><br>-                 |
| <b>Discharge</b><br>DN 250 EN 1092-2                                                              | <b>Suction:</b><br>DN 250 UNDRILLED | <b>Pressure rating (suction/discharge)</b><br>-/PN 10 |
| <b>Accessory</b><br>DAC 250/300V+KAF 116-2" EN (P)                                                |                                     | <b>Accessory code</b><br>9001.013                     |
| <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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