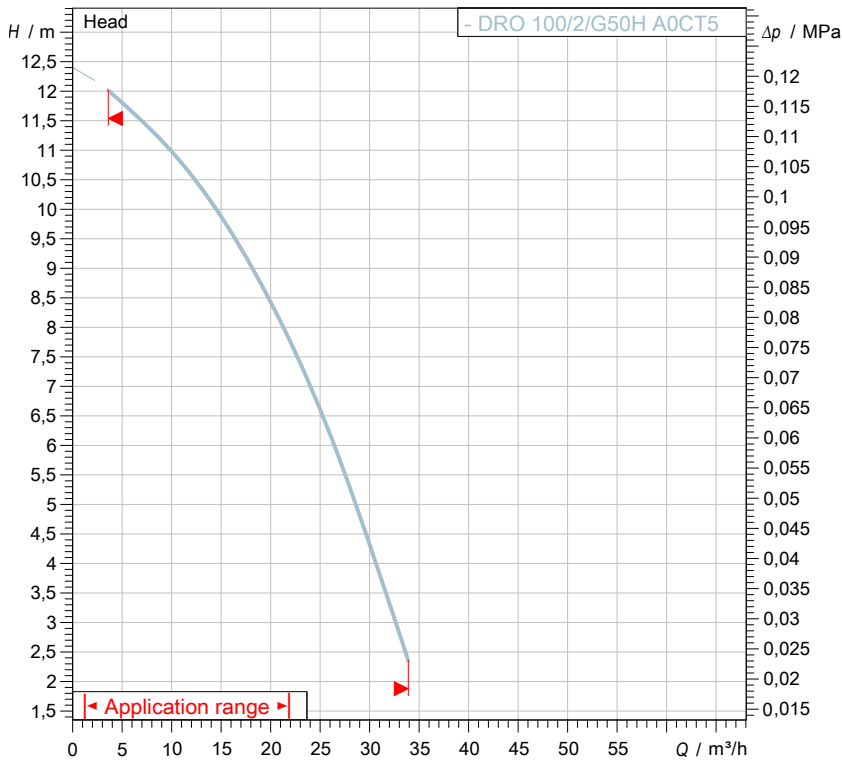
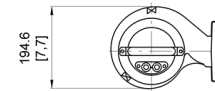
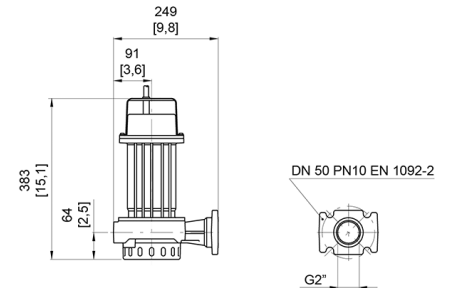


**Technical specification**

**3~ 50 Hz**



Characteristic curves according to UNI EN ISO 9906:2012



[ mm ]  
[ inch ]

**Pump**

|               |                      |
|---------------|----------------------|
| Series        | O series             |
| Pump name     | DRO 100/2/G50H A0CT5 |
| Configuration | NGNAB41040N00NN      |
| Standard      | EN 809:2009          |

**Motor data**

|                      |                 |
|----------------------|-----------------|
| Rated voltage        | 400 V           |
| Frequency            | 50 Hz           |
| Motor phases         | 3~              |
| Number of poles      | 2               |
| Rated power P2       | 0,9 kW          |
| Incoming power P1    | 1,3 kW          |
| Rated current        | 2,3 A           |
| rpm                  | 2700 1/min      |
| Efficiency           | 69,8 %          |
| cos φ                | 0,83            |
| Rated torque         | 3,1 Nm          |
| Start                | Direct starting |
| Degree of protection | IP 68           |
| Insulation class     | F               |

**Hydraulic**

|                 |                         |
|-----------------|-------------------------|
| Type            | DR (Multi-channel open) |
| Free passage    | 15 mm                   |
| Impeller type   | Multi channel impeller  |
| Discharge       | DN 50 - G2" EN 1092-2   |
| Curve tolerance | UNI EN ISO 9906:2012    |

**Operating limits (standard pumps)**

|   |                     |
|---|---------------------|
| Max. ambient temperature                  | 40 °C               |
| Max. density treated liquid               | 1 100 kg/m³         |
| Max. immersion depth                      | 20 m                |
| 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 420    |
| Hydraulic        | Cast iron EN-GJL 250          |
| Impeller         | Cast iron EN-GJL 250          |
| Painting/Coating | Bi-epoxy 80 μm                |
| Screws           | Stainless steel - Class A2-70 |
| Gaskets          | NBR                           |
| Strainer         | Stainless steel - AISI 304    |

**Construction features**

|                     |   |
|---------------------|---|
| Cooling system      | No cooling jacket   |
| Main cable          | 4G1   |
| Control cable       | -   |
| Cable length        | 10 mt   |
| Mechanical seals    | 1 in silicon carbide (SiC) and 1 in carbon-aluminium oxide (AL) |
| Additional drilling | -   |
| Weight*             | 19,5 kg   |
| Electrical variant  | No electrical device equipped                                   |

\* cable's weight not included



water solutions

Data sheet

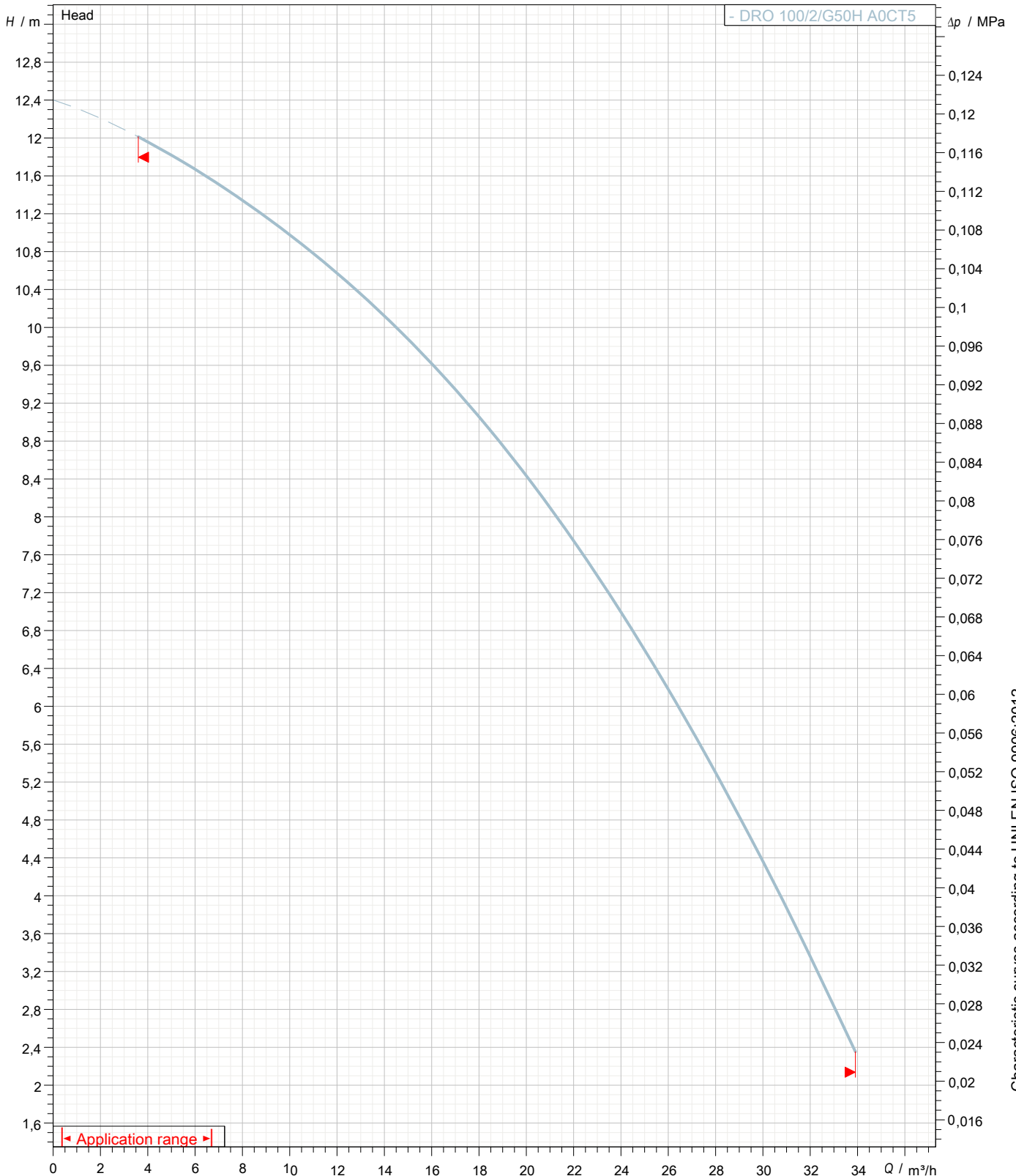
# SAT 100/D-DRO 100/2/G50HA0CT5

# E series

## Pump performance curves

3~ 50 Hz

|   |   |                       |                          |                                    |                                       |
|---|---|-----------------------|--------------------------|------------------------------------|---------------------------------------|
| Hydraulic type<br>DR (Multi-channel open) | Impeller type<br>Multi channel impeller | Free passage<br>15 mm | Discharge<br>DN 50 - G2" | Suction<br>-                       |                                       |
| <b>DUTY POINT</b>                         |   |                       |                          |                                    |                                       |
| Flow                                      | Head                                    | Shaft power P2        | Hydraulic efficiency     | Density<br>998,3 kg/m <sup>3</sup> | Viscosity<br>1,005 mm <sup>2</sup> /s |



Characteristic curves according to UNI EN ISO 9906:2012