

Performance according to ISO 9906:2012 – Grade 3B  
 Power data referred to:  
 Water, pure [100%]; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s  
 Liquid temperature:  
 -10°C (14°F) to +110 °C (230°F) for heating pumps  
 -10°C (14°F) to +85 °C (185°F) for domestic hot water pumps



**Pump data**

|                       |                 |
|-----------------------|-----------------|
| Make                  | Lowara          |
| Port to port (mm)     | 340             |
| Electrical connection | Terminals       |
| Specific EEI          | <= 0,23         |
| Nominal pressure      | PN 6/10         |
| Connection            | Flanged / DN 65 |

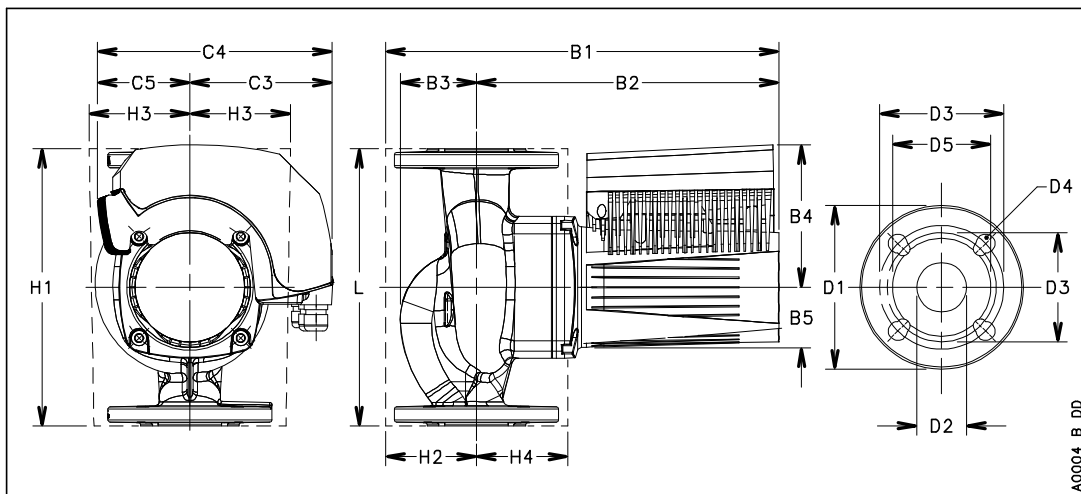
**Electrical data**

|                            |                             |
|----------------------------|-----------------------------|
| Rated voltage              | 230 V                       |
| Frequency                  | 50 / 60                     |
| Protection class           | IP 44                       |
| Insulation class           | F                           |
| Digital input              | Contact load: 5V, 10 mA     |
| Digital output             | Vmax < 250 VAC / Imax < 2 A |
| Analog input               | 0-10 V / 4-20 mA            |
| Leakage current            | < 3.5 mA                    |
| Communication capabilities | Modbus RTU & BACnet MS/TP   |
| Sound pressure level       | <= 52 dB(A)                 |
| Rated current              | 4.1 A                       |

**Materials**

|                |                           |             |                 |
|----------------|---------------------------|-------------|-----------------|
| Bush Bearing   | Carbon, resin impregnated | Impeller    | PPS             |
| Thrust bearing | Aluminium                 | Wear Ring   | Stainless steel |
| Bearing plate  | Stainless steel           | Rotor can   | Stainless steel |
| Motor housing  | Aluminum                  | Shaft       | Stainless steel |
| O-rings        | EPDM                      | Control box | Poly carbonate  |
| PUMP HOUSING   | Stainless steel           |             |                 |

**Dimensions mm**



|              |           |
|--------------|-----------|
| B1           | 381       |
| B2           | 297       |
| B3           | 84        |
| B4           | 147       |
| B5           | 60        |
| C3           | 148       |
| C4           | 241       |
| C5           | 93        |
| D1           | 185       |
| D2           | 65        |
| D3           | 130/145   |
| D4           | 4 x 14/19 |
| D5           | 118       |
| G            | DN 65     |
| Gross Weight | 23.2      |
| H1           | 340       |
| H2           | 104       |
| H3           | 106       |
| H4           | 106       |
| L            | 340       |
| Net Weight   | 17.9      |