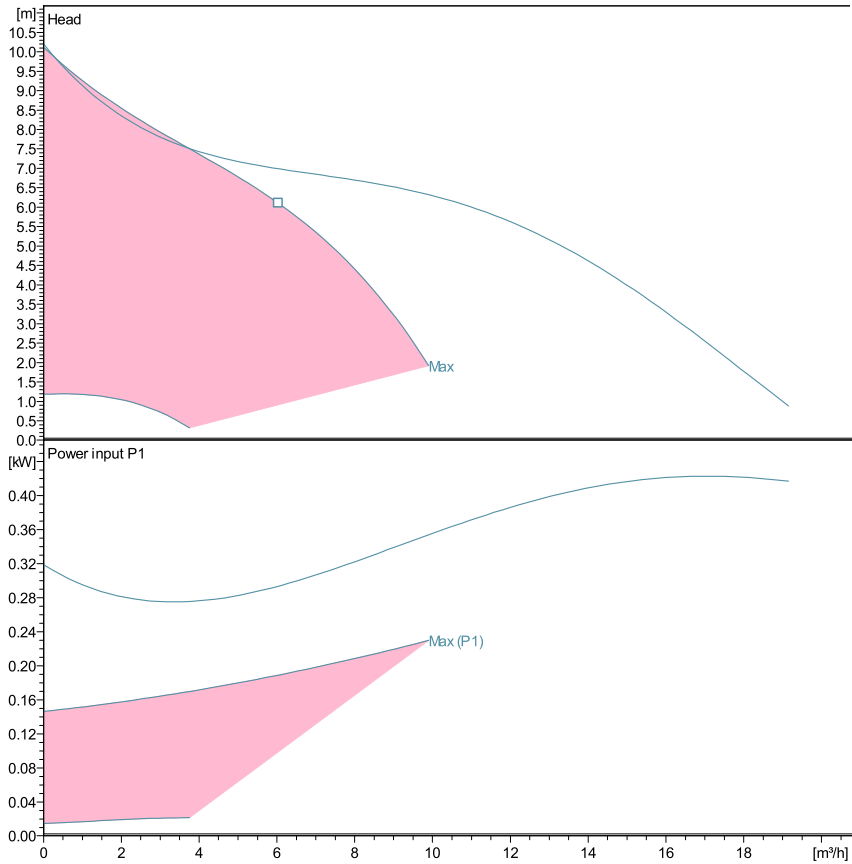




Performance according to ISO 9906 - Annex A

Power data referred to:

Water, pure [100%]; 4°C; 1000kg/m³; 1.57mm²/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)     | 220             |
| Electrical connection | Terminals       |
| Specific EEI          | <= 0,23         |
| Nominal pressure      | PN 6/10         |
| Connection            | Flanged / DN 32 |

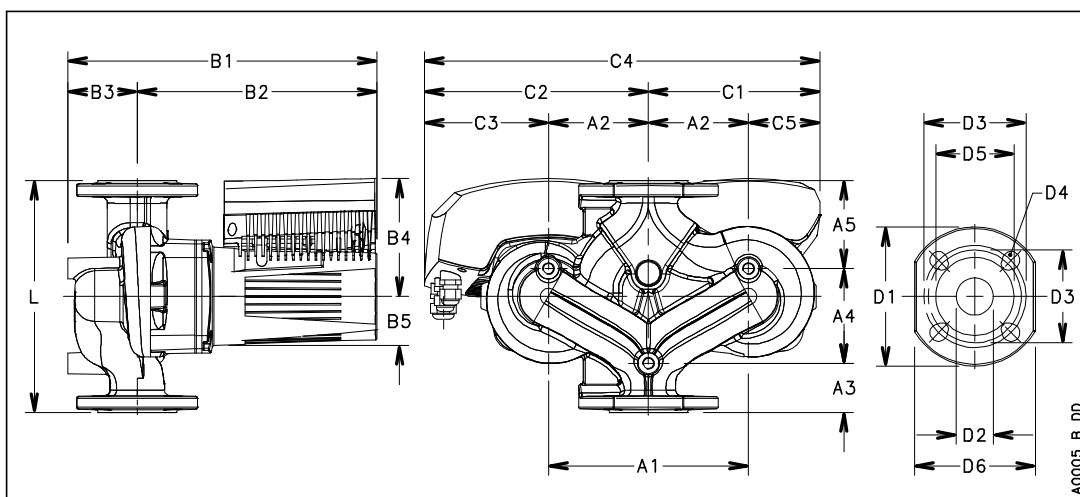
#### Electrical data

|                            |                             |
|----------------------------|-----------------------------|
| Rated voltage              |                             |
| Frequency                  | / 60                        |
| Protection class           |                             |
| Insulation class           |                             |
| 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       | <= 45 dB(A)                 |
| Rated current              |                             |

#### Materials

|                |                           |             |                 |
|----------------|---------------------------|-------------|-----------------|
| Bush Bearing   | Carbon, resin impregnated | impeller    | PPS             |
| Thrust bearing | Aluminum oxide            | 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   | Cast iron                 |             |                 |

#### Dimensions mm



|              |           |
|--------------|-----------|
| A1           | 190       |
| A2           | 95        |
| A3           | 45        |
| A4           | 92        |
| A5           | 83        |
| B1           | 279       |
| B2           | 210       |
| B3           | 69        |
| B4           | 118       |
| B5           | 51        |
| C1           | 163       |
| C2           | 215       |
| C3           | 120       |
| C4           | 378       |
| C5           | 68        |
| D1           | 140       |
| D2           | 36        |
| D3           | 90/100    |
| D4           | 4 x 14/19 |
| D5           | 76        |
| G            | DN 32     |
| Gross Weight | 28.7      |