

## Qty. Description

1 SP 77-3



Note! Product picture may differ from actual product

Product No.: [16A01903](#)

Submersible borehole pump, suitable for pumping clean water. Can be installed vertically or horizontally. All steel components are made in stainless steel, EN 1.4301 (AISI 304), that ensures high corrosive resistance. This pump carries drinking water approval.

The pump is fitted with a 11 kW MS6000 motor with sand shield, mechanical shaft seal, water-lubricated journal bearings and a volume compensating diaphragm. The motor is a canned type submersible motor offering good mechanical stability and high efficiency. Suitable for temperatures up to 40 °C.

The motor is fitted with the Grundfos Tempcon sensor that, by use of powerline communication together with a MP204 control panel, enables temperature monitoring.

The motor is for direct-on-line starting (DOL).

### Liquid:

|                              |                         |
|------------------------------|-------------------------|
| Pumped liquid:               | Water                   |
| Liquid max temp:             | 40 °C                   |
| Max liquid t at 0.15 m/sec:  | 40 °C                   |
| Selected liquid temperature: | 20 °C                   |
| Density:                     | 998.2 kg/m <sup>3</sup> |

### Technical:

|                                          |                      |
|------------------------------------------|----------------------|
| Pump speed on which pump data are based: | 2900 rpm             |
| Rated flow:                              | 77 m <sup>3</sup> /h |
| Rated head:                              | 37 m                 |
| Shaft seal for motor:                    | CER/CARNBR           |
| Approvals on nameplate:                  | CE, GOST2            |
| Curve tolerance:                         | ISO9906:2012 3B      |
| Motor version:                           | T40                  |

### Materials:

|           |                                                  |
|-----------|--------------------------------------------------|
| Pump:     | Stainless steel<br>EN 1.4301<br>AISI 304         |
| Impeller: | Stainless steel<br>EN 1.4301<br>AISI 304         |
| Motor:    | Stainless steel<br>DIN W.-Nr. 1.4301<br>AISI 304 |

### Installation:

|                 |        |
|-----------------|--------|
| Pump outlet:    | RP5    |
| Motor diameter: | 6 inch |

### Electrical data:

|                              |        |
|------------------------------|--------|
| Motor type:                  | MS6000 |
| Rated power - P2:            | 11 kW  |
| Power (P2) required by pump: | 11 kW  |



Company name:

Created by:

Phone:

Date:

08/08/2022

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|------|-------------|
|------|-------------|

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| 1 | Mains frequency: 50 Hz<br>Rated voltage: 3 x 380-400-415 V<br>Rated current: 26.0-25.0-24.8 A<br>Starting current: 470-520-540 %<br>Cos phi - power factor: 0.84-0.82-0.79<br>Rated speed: 2850-2870-2880 rpm<br>Start. method: direct-on-line<br>Enclosure class (IEC 34-5): IP68<br>Insulation class (IEC 85): F<br>Built-in temp. transmitter: yes<br>Motor No: 78195514<br>Windings: Enamelled<br><br>Others:<br>Minimum efficiency index, MEI ≥: -.--<br>ErP status: EuP Standalone/Prod.<br>Net weight: 80 kg<br>Gross weight: 106 kg<br>Shipping volume: 0.2 m <sup>3</sup><br>Danish VVS No.: 388344330<br>Finnish LVI No.: 4762765<br>Country of origin: GB<br>Custom tariff no.: 84137029 |
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