

Company name: national pumps and boilers

Created by:

**Phone:** 01539 729395

**Email:** info@nationlapumpsandboilers.co.uk

**Date:** 03/01/2024

Project: Client:

Reference Number: Client Number: Contact:

## Qty. | Description

## 1 **UNILIFT KP.250.A.1**



Note! Product picture may differ from actual product

Product No.: 012H6600 Submersible drainage pump

Vertical single-stage stainless steel submersible pump with vertical discharge port and integrated submersible 1-phase canned motor in insulation class F with thermal overload protection.

The pump is fitted with suction strainer and a carrying handle and is supplied with a 5 m mains cable and float switch for automatic start and stop.

The impeller is a semi-open impeller for 10 mm free passage suitable for pumping groundwater, surface water, rain water and similar liquids.

The pump has a double shaft seal consisting of two lip seals with grease in-between.

The pump has an outer casing ensuring continuous cooling of the motor by the pumped liquid.

The rotor shaft operates in two maintenance-free carbon bearings cooled by the pumped liquid.

The motor is filled with a non-toxic motor liquid.

Liquid:

Liquid temperature range: 0 .. 50 °C
Density: 998.2 kg/m³

Technical:

Maximum flow: 3.11 l/s Max. Particle: 10 mm

Approvals: CE,RCM,VDE,LGABG,EAC,TUVRHWID,MORO,UKCA,CHROHS,SEPRO

Materials:

Pump housing: Stainless steel

EN 1.4301 AISI 304

Impeller: Stainless steel

EN 1.4301



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1 AISI 304

Installation:

Range of ambient temperature:  $0..50\,^{\circ}\text{C}$ 

Type of connection: Rp

Size of connection: 1 1/4 inch
Maximum installation depth: 2 m
Place of installation: Indoor

Electrical data:

Power input - P1: 480 W Mains frequency: 50 Hz

Rated voltage: 1 x 220-230 V

Rated current: 2.3 A

Capacitor size - run:  $8 \mu F/400 V$  Enclosure class (IEC 34-5): IP68

Insulation class (IEC 34-5):

Length of power cable:

Type of cable plug:

F

NONE

Others:

Net weight: 6.2 kg
Gross weight: 6.8 kg
Shipping volume: 0.013 m³
Environmental approvals: WEEE



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| Description                   | Value  |
|-------------------------------|--|
| General information:          |  |
| Product name:                 | UNILIFT KP.250.A.1   |
| Product No:                   | 012H6600   |
| EAN number:                   | 5700391248566  |
| Technical:                    |  |
| Maximum flow:                 | 3.11 l/s   |
| Maximum head:                 | 7.5 m  |
| Max. Particle:                | 10 mm  |
| Approvals:                    | CE,RCM,VDE,LGABG,EAC,TUV<br>RHWID,MORO,UKCA,CHROHS,<br>SEPRO |
| Model:                        | A  |
| Materials:                    |  |
| Pump housing:                 | Stainless steel  |
| Pump housing:                 | EN 1.4301  |
| Pump housing:                 | AISI 304   |
| Impeller:                     | Stainless steel  |
| Impeller:                     | EN 1.4301  |
| Impeller:                     | AISI 304   |
| Installation:                 |  |
| Range of ambient temperature: | 0 50 °C  |
| Type of connection:           | Rp   |
| Size of connection:           | 1 1/4 inch   |
| Maximum installation depth:   | 2 m  |
| Place of installation:        | Indoor   |
| Liquid:                       |  |
| Liquid temperature range:     | 0 50 °C  |
| Density:                      | 998.2 kg/m³  |
| Electrical data:              |  |
| Power input - P1:             | 480 W  |
| Mains frequency:              | 50 Hz  |
| Rated voltage:                | 1 x 220-230 V  |
| Rated current:                | 2.3 A  |
| Capacitor size - run:         | 8 μF/400 V   |
| Enclosure class (IEC 34-5):   | IP68   |
| Insulation class (IEC 85):    | F  |
| Built-in motor protection:    | CONTACT  |
| Thermal protec:               | INT.   |
| Length of power cable:        | 5 m  |
| Type of cable plug:           | NONE   |
| Controls:                     |  |
| Level switch:                 | A  |
| Others:                       |  |
| Net weight:                   | 6.2 kg   |
| Gross weight:                 | 6.8 kg   |
| Shipping volume:              | 0.013 m³   |
| Environmental approvals:      | WEEE   |
|                               |  |

| H<br>[m]     |     |     |     |     |     | UNILII | FT KP.250. | A.1, 50Hz    | eta<br>[%] |
|--------------|-----|-----|-----|-----|-----|--------|------------|--------------|------------|
| 7 -          | _   |     |     |     |     |        |            |              |            |
| 6 -          |     |     |     |     |     |        |            |              | - 30       |
| 5 -          |     |     |     |     |     |        |            |              | - 25       |
| 4 -          |     |     |     |     |     |        |            |              | - 20       |
| 3 -          |     |     | /   |     |     |        |            |              | - 15       |
| 2 -          |     |     |     |     |     |        |            |              | 10         |
| 1 -          |     |     |     |     |     |        |            | $\backslash$ | -5         |
| 0 -          | 0.2 | 0.6 | 1.0 | 1.4 | 1.8 | 2.2    | 2.6        | Q [l/s]      | Lo         |
| P1<br>[W]    |     |     |     |     |     |        |            |              |            |
| -<br>- 500   |     |     |     |     |     |        |            | _            |            |
| 450 <b>-</b> |     |     |     |     |     |        |            |              |            |







