

Submittal Data

| | | |
|-----------------------|------------------|-------------|
| PROJECT: | UNIT TAG: | QUANTITY: |
| REPRESENTATIVE: _____ | TYPE OF SERVICE: | DATE: _____ |
| ENGINEER: | SUBMITTED BY: | DATE: |
| CONTRACTOR: | APPROVED BY: | DATE: |
| | ORDER NO.: | DATE: |

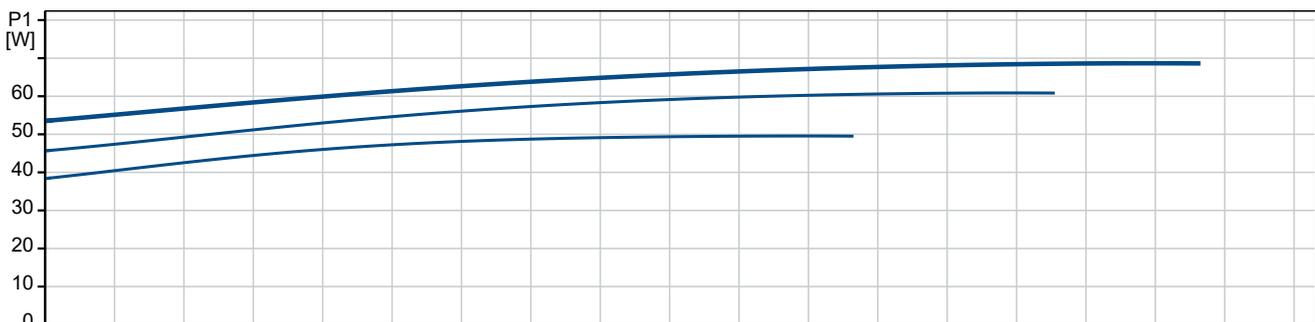
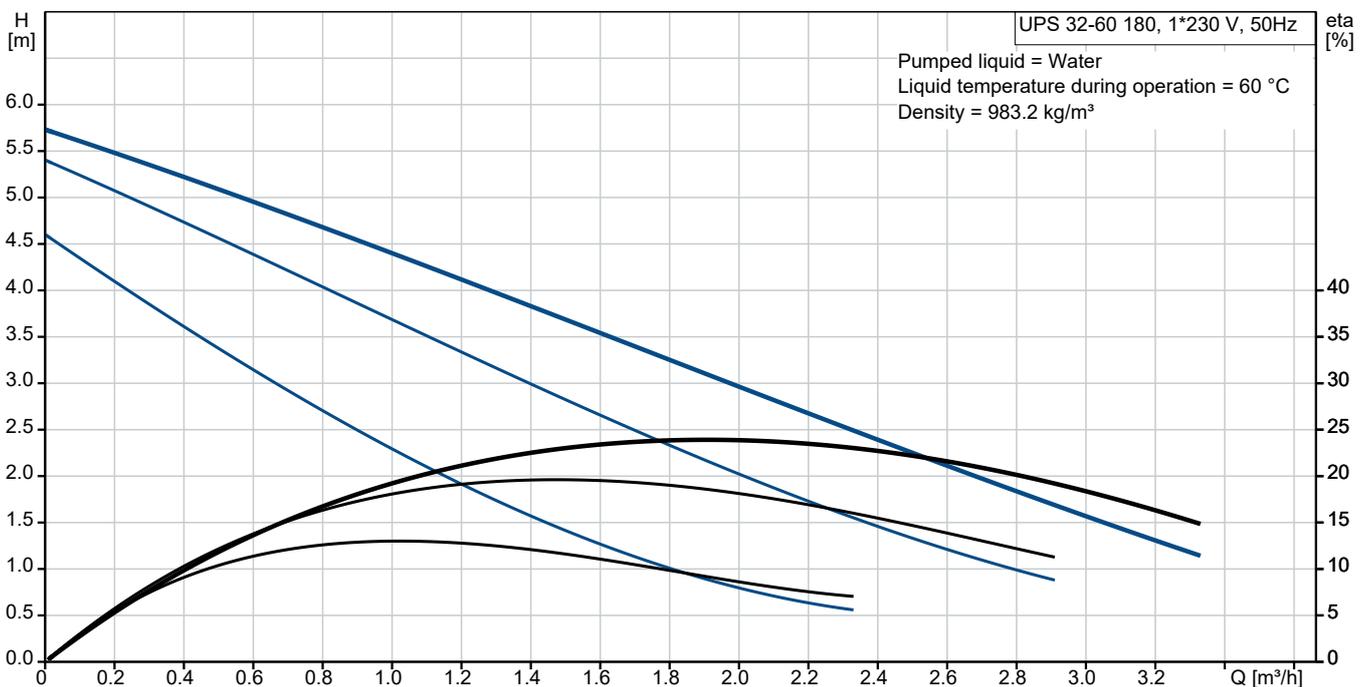
UPS 32-60 180



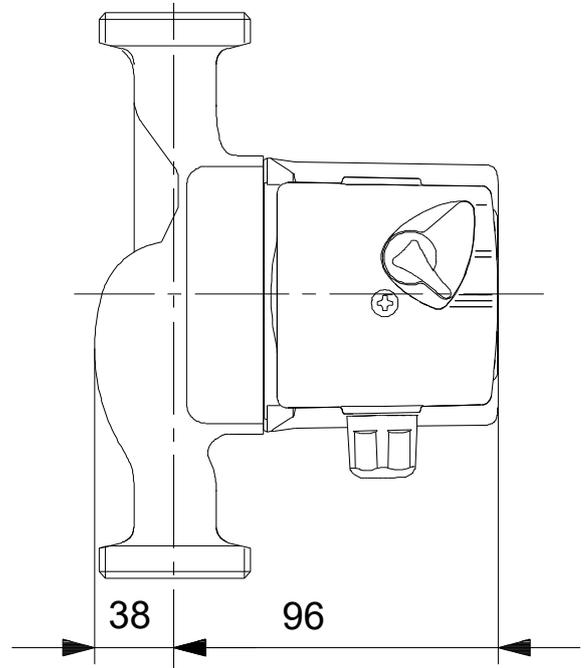
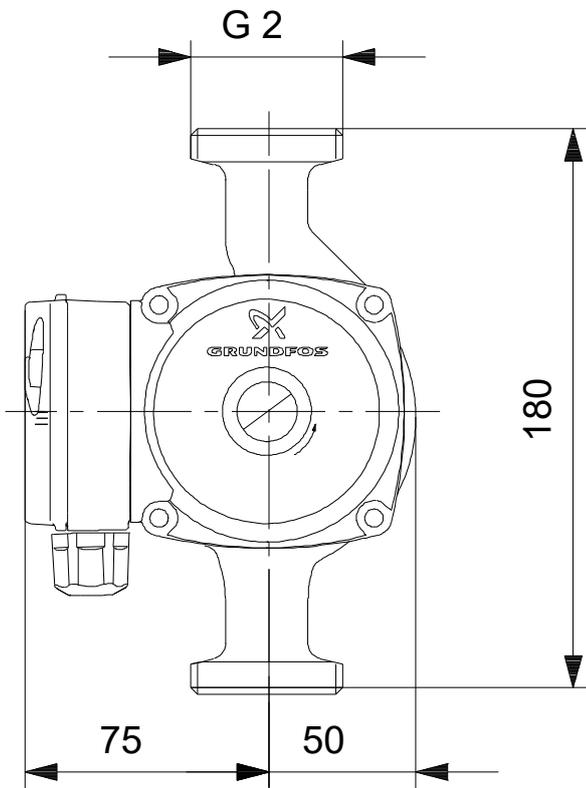
Grundfos UP single-speed circulator pumps are designed for heating systems, while the three-speed UPS circulator pumps are used in central and district heating system while also being suitable for mixing loops in large systems. Both pumps provide reliable and maintenance-free operation.

Note! Product picture may differ from actual product

| Conditions of Service | | Pump Data | | Motor Data | |
|-----------------------|-------|------------------------------|-------------|---------------------|---------------------|
| Liquid: | Water | Liquid temperature range: | 2 .. 110 °C | Mains frequency: | 50 Hz |
| Temperature: | 60 °C | Maximum ambient temperature: | 40 °C | Enclosure class: | IP44 |
| Specific Gravity: | 0.985 | Product number: | On request | Thermal protection: | Impedance protected |



Submittal Data



Materials:

- Pump housing: Cast iron
- Pump housing: ASTM 30 B
- Impeller: Composite

| Qty. | Description |
|------|-------------|
|------|-------------|

| | |
|---|-----------------------------|
| 1 | <p>UPS 32-60 180</p> |
|---|-----------------------------|



Note! Product picture may differ from actual product

Product No.: On request

The pump is of the canned rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing.

The bearings are lubricated by the pumped liquid.

The pump has 3-step speed selector.

The pump is characterized by:

- * Ceramic shaft and radial bearings.
- * Carbon axial bearing.
- * Stainless steel rotor can and bearing plate.
- * Corrosion-resistant impeller, Composite.
- * Cast iron pump housing.

The motor is a 1-phase motor.

No additional motor protection is required.

Liquid:

| | |
|------------------------------|-------------------------|
| Pumped liquid: | Water |
| Liquid temperature range: | 2 .. 110 °C |
| Selected liquid temperature: | 60 °C |
| Density: | 983.2 kg/m ³ |

Technical:

| | |
|-------------|------------------------|
| Rated flow: | 3.05 m ³ /h |
| Rated head: | 1.9 m |
| TF class: | 110 |
| Approvals: | EAC |

Materials:

| | |
|---------------|--|
| Pump housing: | Cast iron EN 1561 EN-GJL-150 ASTM 30 B |
| Impeller: | Composite PES+30% GF |

Installation:

| | |
|---------------------------------|------------|
| Range of ambient temperature: | 0 .. 40 °C |
| Maximum operating pressure: | 10 bar |
| Type of connection: | G |
| Size of connection: | 2 inch |
| Pressure rating for connection: | PN 10 |
| Port-to-port length: | 180 mm |

Electrical data:

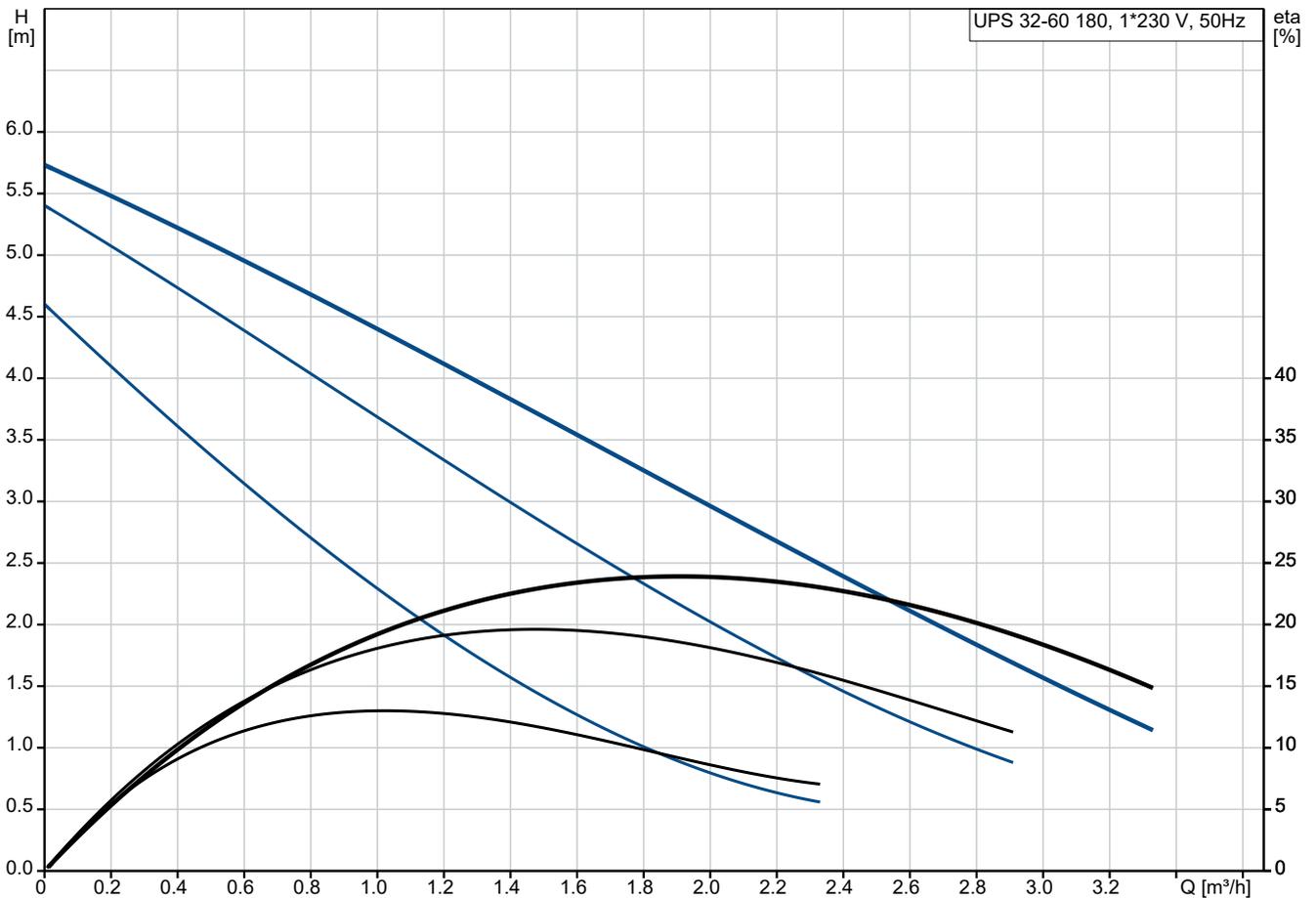
| | |
|-------------------------|------|
| Power input in speed 1: | 50 W |
| Power input in speed 2: | 55 W |
| Max. power input: | 60 W |



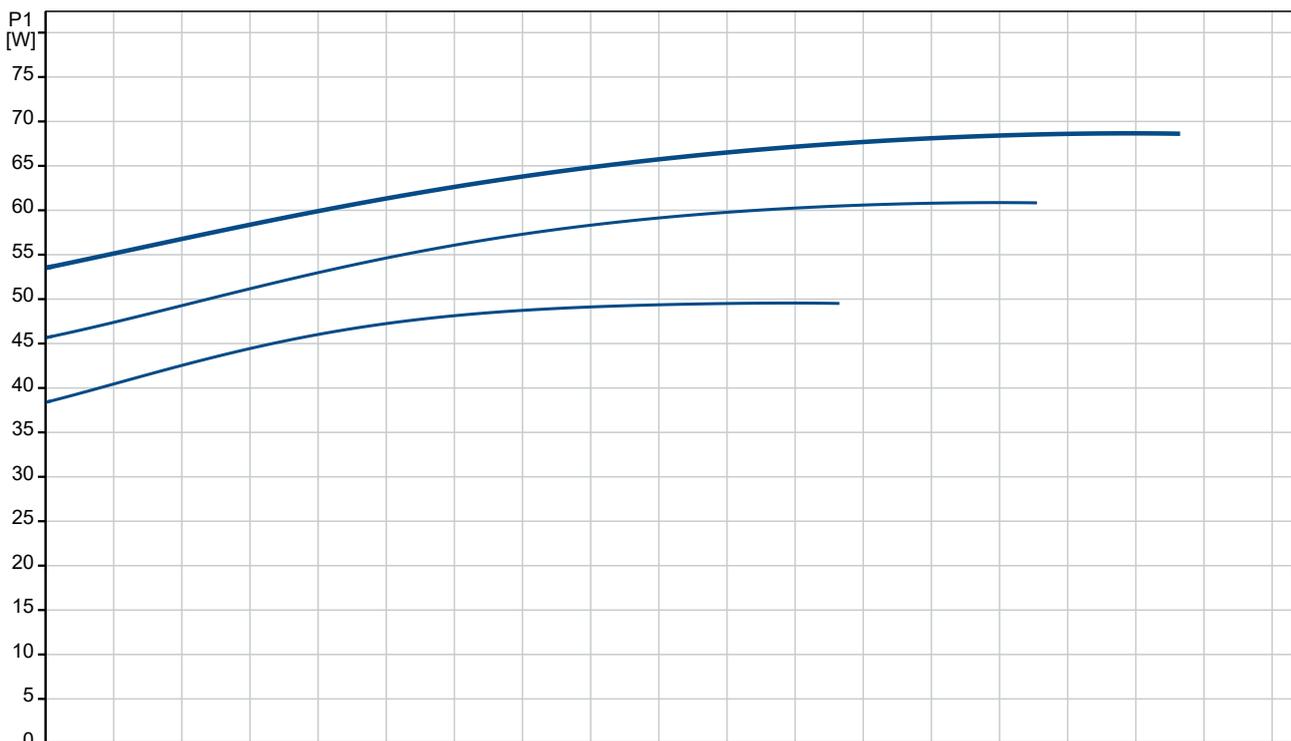
Company name: Al Mawared Engineering & Trading S.A.E (MET)
Created by: Mostafa Mohamed
Phone: 02 26421242 - 01223033998
Email: info@met-eg.com - Almawared@link.net
Date: 08/10/2023

| Qty. | Description |
|------|--|
| 1 | Mains frequency: 50 Hz Rated voltage: 1 x 230 V Current in speed 1: 0.21 A Current in speed 2: 0.25 A Current in speed 3: 0.28 A Capacitor size - run: 2.5 µF Enclosure class (IEC 34-5): IP44 Insulation class (IEC 85): F Built-in motor protection: NONE Others: Terminal box position: 9H Net weight: 2.86 kg Gross weight: 3.39 kg Shipping volume: 0.004 m ³ |

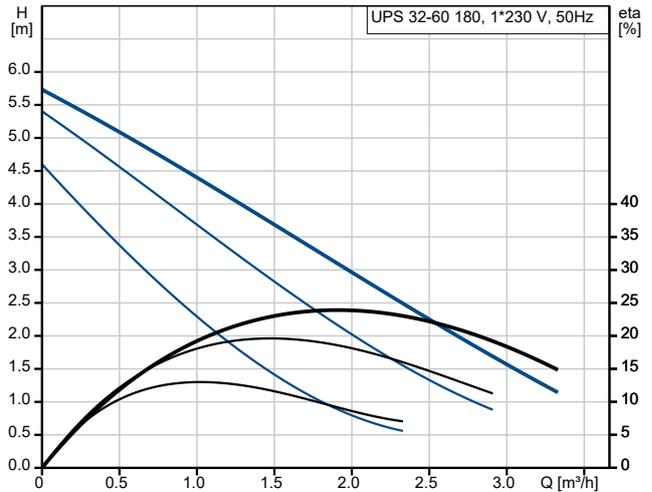
On request UPS 32-60 180 50 Hz



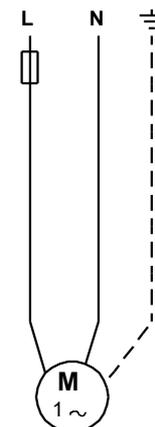
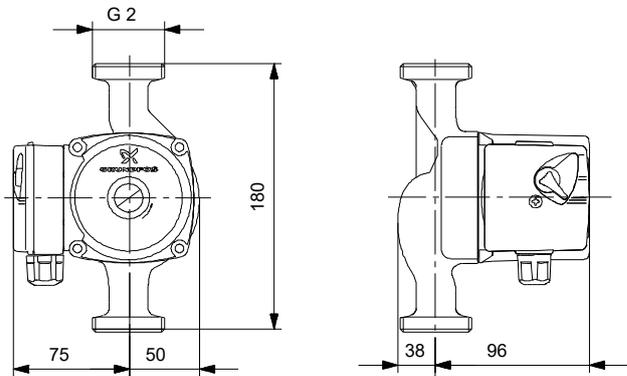
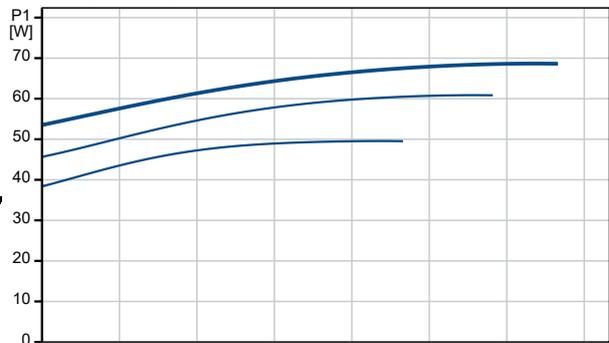
Pumped liquid = Water
 Liquid temperature during operation = 60 °C
 Density = 983.2 kg/m³



| Description | Value |
|---------------------------------|-------------------------|
| General information: | |
| Product name: | UPS 32-60 180 |
| Product No: | On request |
| EAN number: | On request |
| Technical: | |
| Speed no: | 3 |
| Rated flow: | 3.05 m ³ /h |
| Rated head: | 1.9 m |
| Maximum head: | 60 dm |
| TF class: | 110 |
| Approvals: | EAC |
| Materials: | |
| Pump housing: | Cast iron |
| Pump housing: | EN 1561 EN-GJL-150 |
| Pump housing: | ASTM 30 B |
| Impeller: | Composite |
| Impeller: | PES+30% GF |
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| Power input in speed 1: | 50 W |
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| Mains frequency: | 50 Hz |
| Rated voltage: | 1 x 230 V |
| Current in speed 1: | 0.21 A |
| Current in speed 2: | 0.25 A |
| Current in speed 3: | 0.28 A |
| Capacitor size - run: | 2.5 µF |
| Enclosure class (IEC 34-5): | IP44 |
| Insulation class (IEC 85): | F |
| Built-in motor protection: | NONE |
| Thermal protec: | Impedance protected |
| Others: | |
| Terminal box position: | 9H |
| Net weight: | 2.86 kg |
| Gross weight: | 3.39 kg |
| Shipping volume: | 0.004 m ³ |



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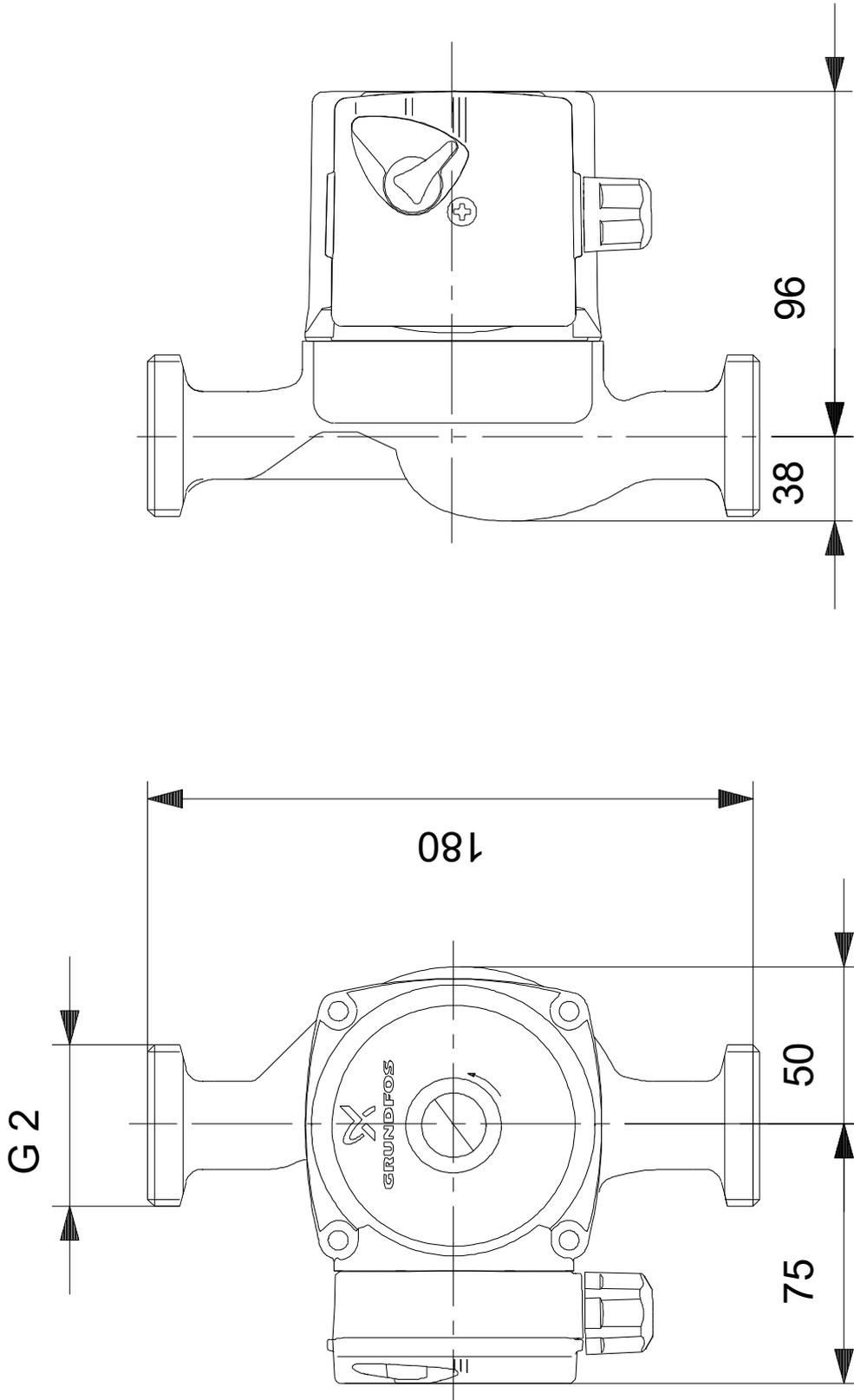




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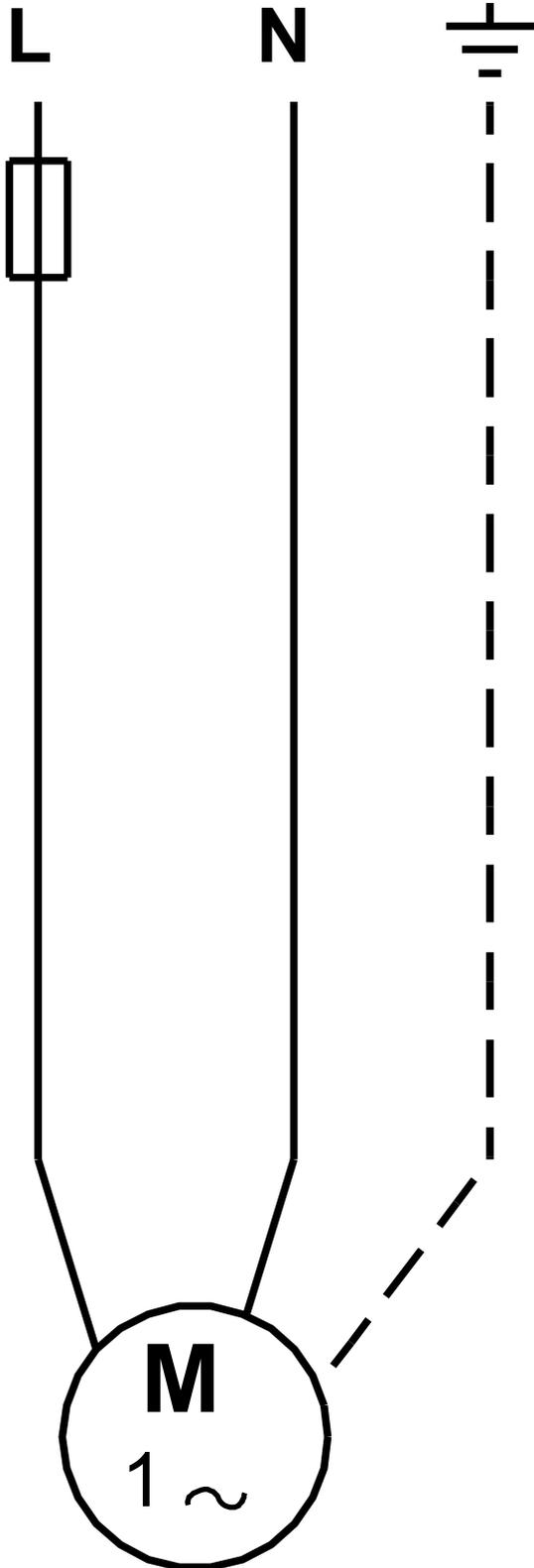
On request UPS 32-60 180 50 Hz

On request UPS 32-60 180 50 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

On request UPS 32-60 180 50 Hz



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