

UPS80-60 FB 3x400-415V 50Hz PN6

Grundfos pump 96404916



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<https://www.lenntech.com/grundfos/UPSB2/96404916/UPS-80-60-F-B.html>

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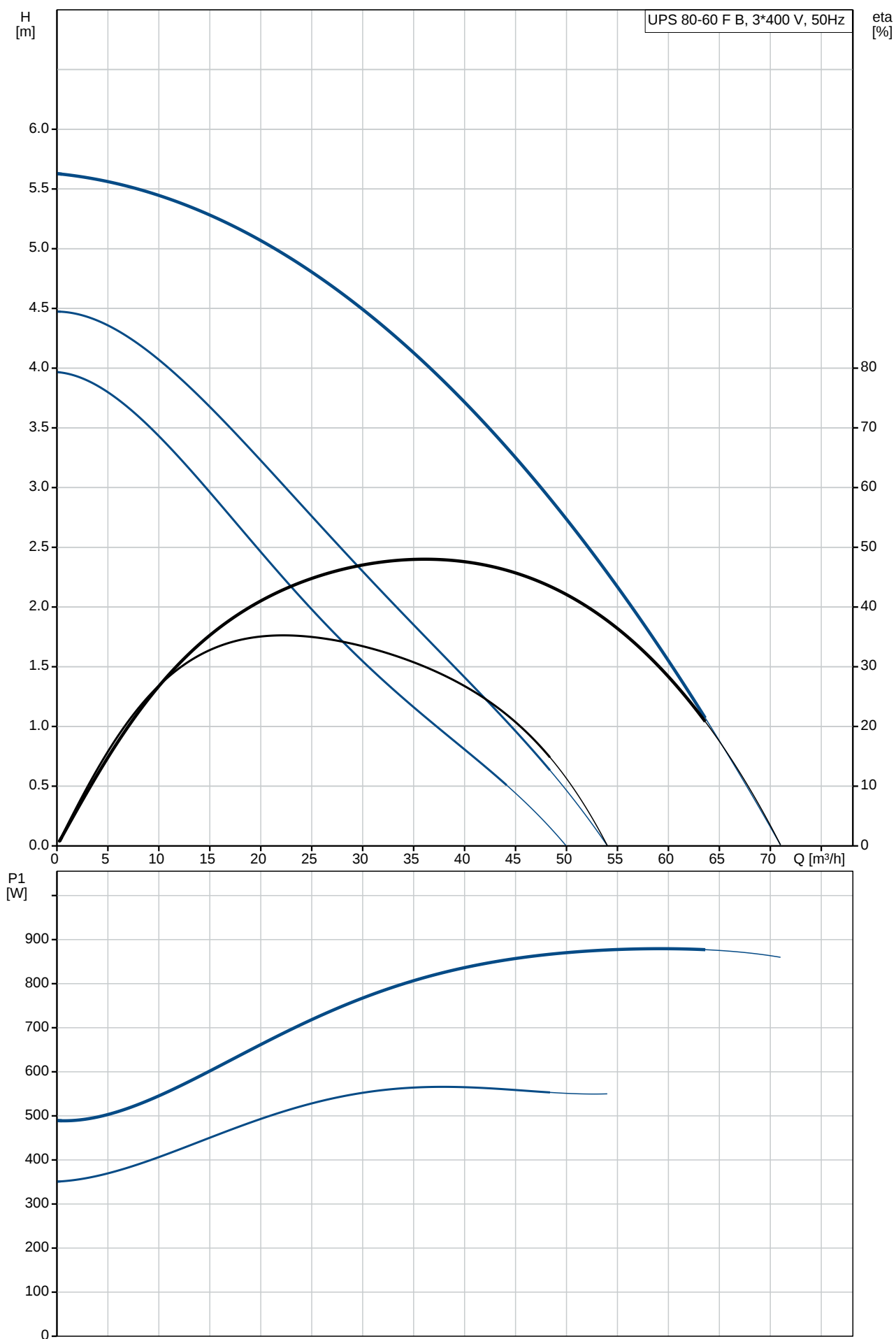
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Position	Qty.	Description
	1	UPS 80-60 F B  Note! Product picture may differ from actual product Product No.: On request The pump is of the canned rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The bearings are lubricated by the pumped liquid. In order to avoid problems in connection with disposal, great importance has been attached to using as few different materials as possible. The pump is characterized by: * 3 speed motor. * Ceramic radial bearings. * Carbon axial bearing. * Stainless steel rotor can, bearing plate and rotor cladding. * Aluminium alloy stator housing. * Bronze pump housing. * Stator with built-in thermal switch. The motor is a 3-phase motor. The pump is supplied with a standard module in the terminal box. The standard module is to be connected to the mains supply via external contactor. Controls: Relay: without relay Liquid: Pumped liquid: Water Liquid temperature range: -10 .. 120 °C Liquid temperature during operation: 60 °C Density: 983.2 kg/m³ Technical: Approvals on nameplate: CE,EAC,AAA,WEEE Materials: Pump housing: Bronze DIN W.-Nr. 2.1176.01 ASTM B-271 Impeller: Stainless steel DIN W.-Nr. 1.4301 AISI 304 Installation: Range of ambient temperature: 0 .. 40 °C Maximum operating pressure: 6 bar

Position	Qty.	Description
		Flange standard: DIN Pipe connection: DN 80 Pressure rating: PN 6 (@): 360 mm Electrical data: Power input in speed 1: 470 W Power input in speed 2: 570 W Max. power input: 880 W Mains frequency: 50 Hz Rated voltage: 3 x 400-415 V Current in speed 1: 0.84 A Current in speed 2: 1 A Current in speed 3: 1.8 A Cos phi in speed 1: 0.81 Cos phi in speed 2: 0.82 Cos phi: 0.71 Insulation class (IEC 85): H Enclosure class (IEC 60529): X4D Others: Net weight: 43.7 kg Gross weight: 44.9 kg Shipping volume: 0.055 m³

On request UPS 80-60 F B 50 Hz



UPS 80-60 F B, 3*400 V, 50Hz

Performance Curves:

- Head (H) [m] vs. Flow (Q) [m³/h]:** The graph shows three head curves. The top blue curve starts at approximately 5.6 m at 0 m³/h and decreases to 1.0 m at 65 m³/h. The middle blue curve starts at 4.5 m and decreases to 1.0 m at 55 m³/h. The bottom blue curve starts at 4.0 m and decreases to 1.0 m at 50 m³/h. A black curve represents the efficiency (eta [%]), peaking at approximately 48% around 35 m³/h.
- Power (P1) [W] vs. Flow (Q) [m³/h]:** The graph shows two power curves. The top blue curve starts at approximately 480 W at 0 m³/h and increases to about 850 W at 65 m³/h. The bottom blue curve starts at approximately 350 W at 0 m³/h and increases to about 550 W at 50 m³/h.

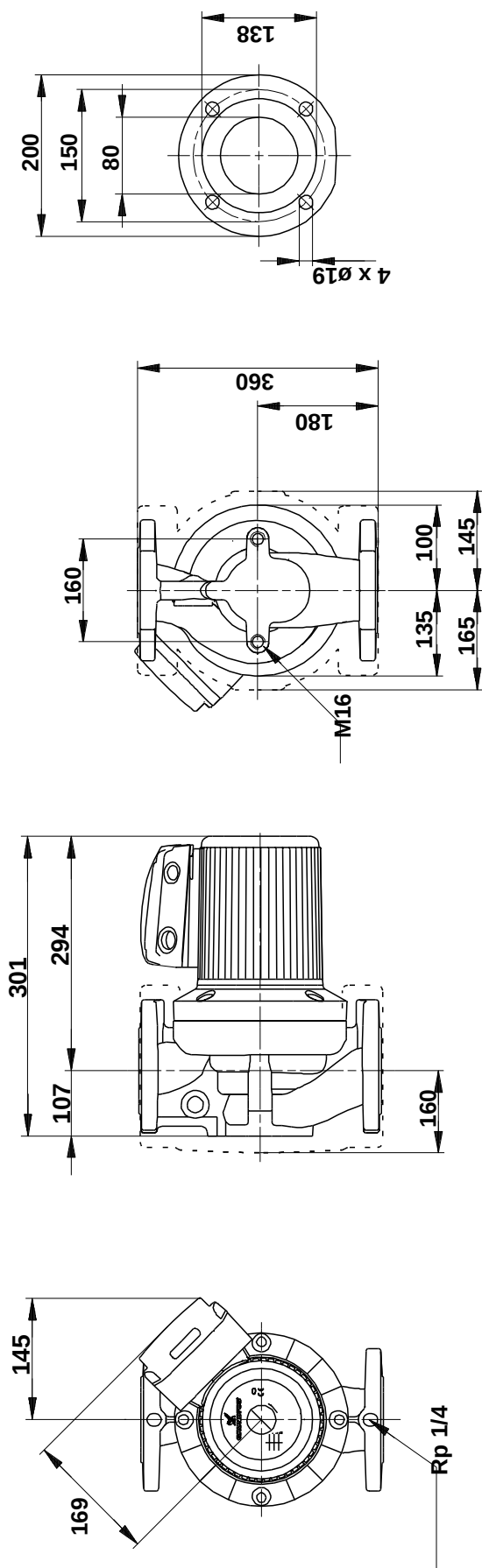
Mechanical Dimensions (mm):

- Top View:** Overall width 145, mounting flange diameter 169, base diameter 114 (Rp 1/4).
- Front View:** Total height 301, mounting flange diameter 107, base diameter 294, base width 160.
- Side View:** Mounting flange diameter 160, base diameter 135, base width 100, total width 165, base depth 145, mounting flange depth 100, base height 360.
- End View:** Total width 290, mounting flange diameter 150, base diameter 80, base width 138, base height 118, mounting flange depth 4 x Ø19.



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

Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list UPS 80-60 F B, Product No. On request
Valid from 1.4.1995 (9513)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
163a	Terminal box cpl.		Designation: WITH RELAY MODULE		1	pcs
163b	Terminal box cpl.		Designation: WITH STANDARD MODULE		1	pcs
163e	Terminal box cpl.		Designation: W. PROTECTION MODULE		1	pcs

Disclaimer: The information about the Grundfos pump in this document may be outdated.

Data may be subject to alterations without further notice.

Please contact us to verify the data above is still accurate/up-to-date.

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