GRUNDFOS

Submittal Data

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



Product photo could vary from the actual product

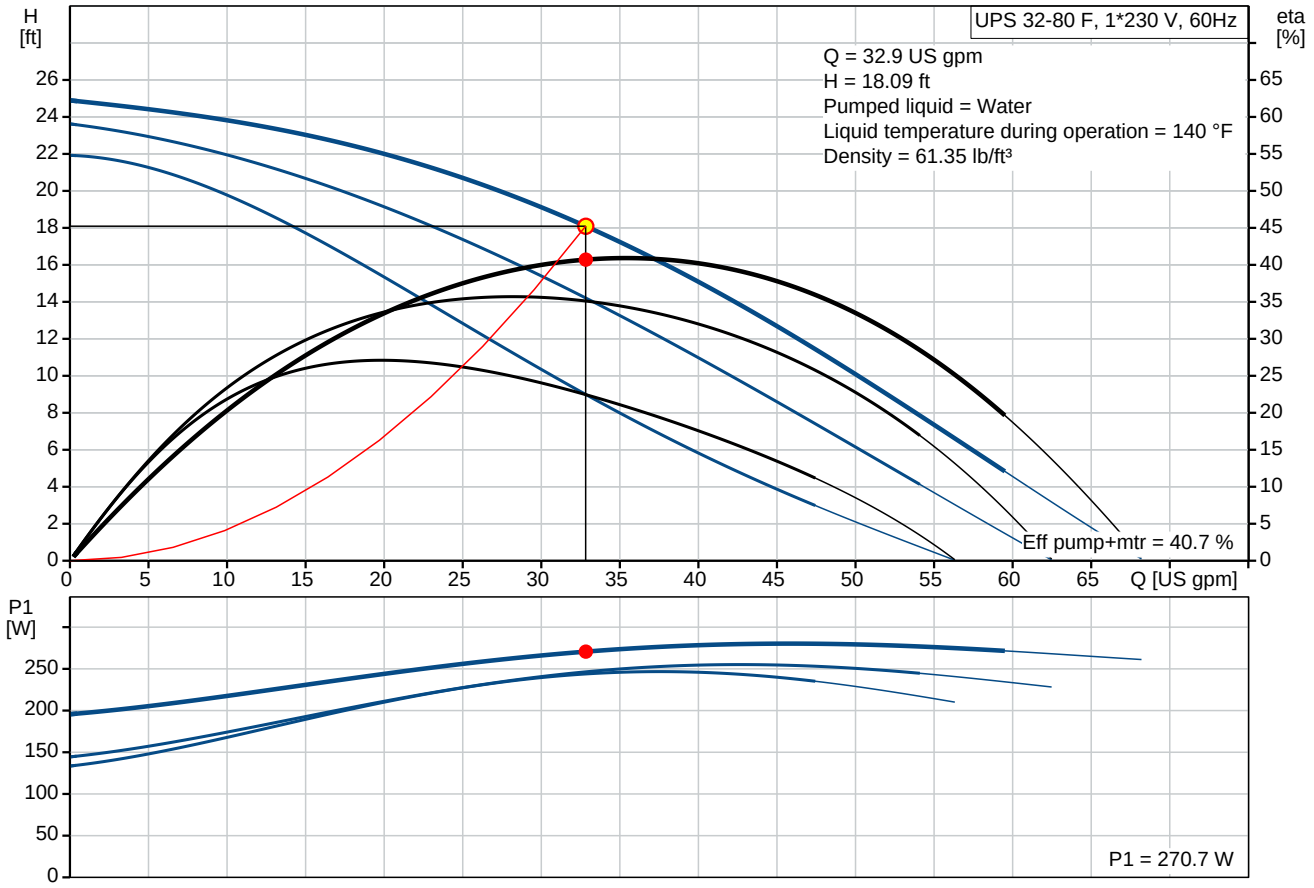
UPS 32-80 F

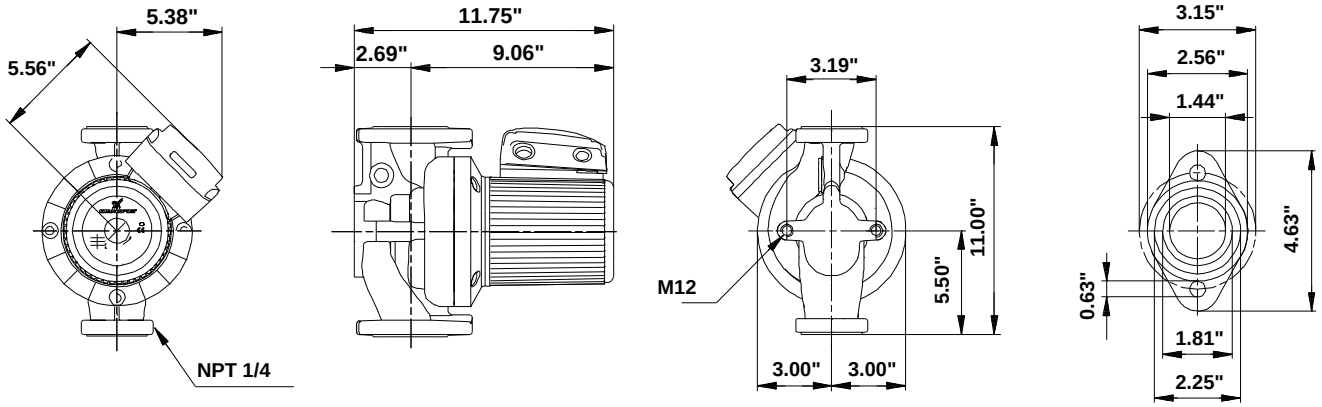
Circulator pumps

Conditions of Service	
Flow:	32.9 US gpm
Head:	18.09 ft
Efficiency:	40.7 %
Liquid:	Water
Temperature:	140 °F
NPSH required:	ft
Viscosity:	
Specific Gravity:	0.985

Pump Data	
Maximum operating pressure:	145 psi
Liquid temperature range:	14 .. 248 °F
Maximum ambient temperature:	104 °F
Approvals:	CUL
Type of connection:	F
Flange standard:	USA Oval
Pipe connection:	GF 15/26
Product number:	96402709

Motor Data	
Max. power input:	280 W
Rated voltage:	230 V
Main frequency:	60 Hz
Enclosure class:	X4D
Insulation class:	F
Motor protection:	CONTACT
Thermal protection:	internal





Materials:

Pump housing:	Cast iron
	EN-JL1040
	ASTM 35 B - 40 B
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304

Company name:
Created by:
Phone:

Date: 2/21/2018

Tender Text



Product photo could vary from the actual product

Product No.: 96402709
UPS 32-80 F
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 lubricatd 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.
* Cast iron pump housing.
* Stator with built-in thermal switch.

The motor is a 1-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:	with relay

Liquid:

Pumped liquid:	Water
Liquid temperature range:	14 .. 248 °F
Liquid temperature during operation:	140 °F
Density:	61.35 lb/ft³

Technical:

Actual calculated flow:	32.9 US gpm
Resulting head of the pump:	18.09 ft
Approvals on nameplate:	CUL

Materials:

Pump housing:	Cast iron EN-JL1040 ASTM 35 B - 40 B

Impeller:	Stainless steel DIN W.-Nr. 1.4301 AISI 304

Installation:

Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	145 psi
Flange standard:	USA Oval
Type of connection:	F
Pipe connection:	GF 15/26
Pressure stage:	145 psi
Port-to-port length:	11 in

Electrical data:

Power input in speed 1:	250 W
Power input in speed 2:	260 W
Max. power input:	280 W
Main frequency:	60 Hz
Rated voltage:	1 x 230 V
Current in speed 1:	1.26 A
Current in speed 2:	1.26 A
Current in speed 3:	1.34 A
Cos phi in speed 1:	0,87
Cos phi in speed 2:	0,9
Cos phi:	0,92
Capacitor size - run:	8 µF/400 V
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F

Others:

Net weight:	35.9 lb
Gross weight:	43.4 lb
Shipping volume:	2.08 ft³

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/21/2018

Position	Count	Description
	1	**UPS 32-80 F**



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Controls:

Relay:	with relay

Liquid:

Pumped liquid:	Water
Liquid temperature range:	14 .. 248 °F
Liquid temperature during operation:	140 °F
Density:	61.35 lb/ft³

Technical:

Actual calculated flow:	32.9 US gpm
Resulting head of the pump:	18.09 ft
Approvals on nameplate:	CUL

Materials:

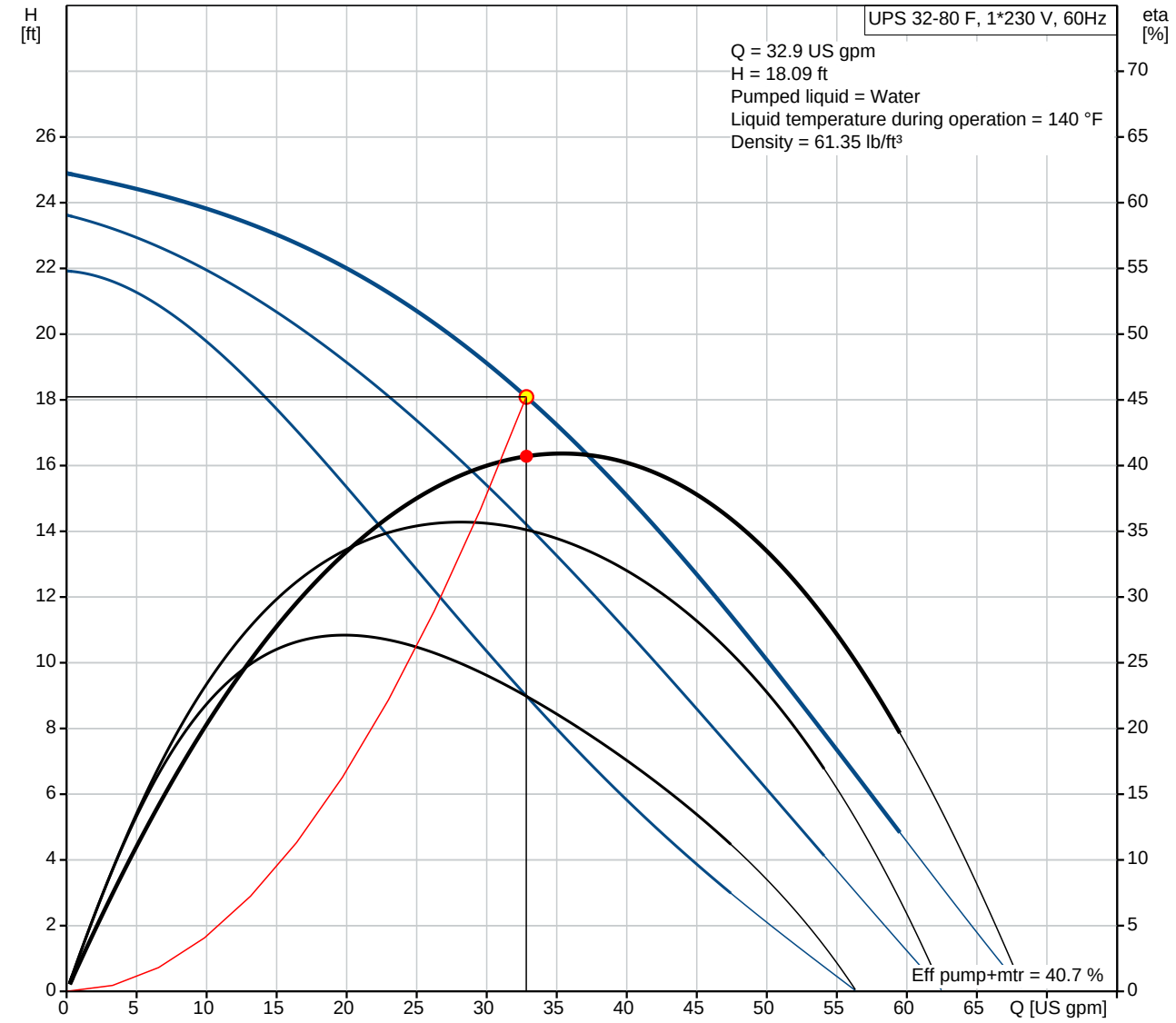
Pump housing:	Cast iron EN-JL1040 ASTM 35 B - 40 B
Impeller:	Stainless steel DIN W.-Nr. 1.4301

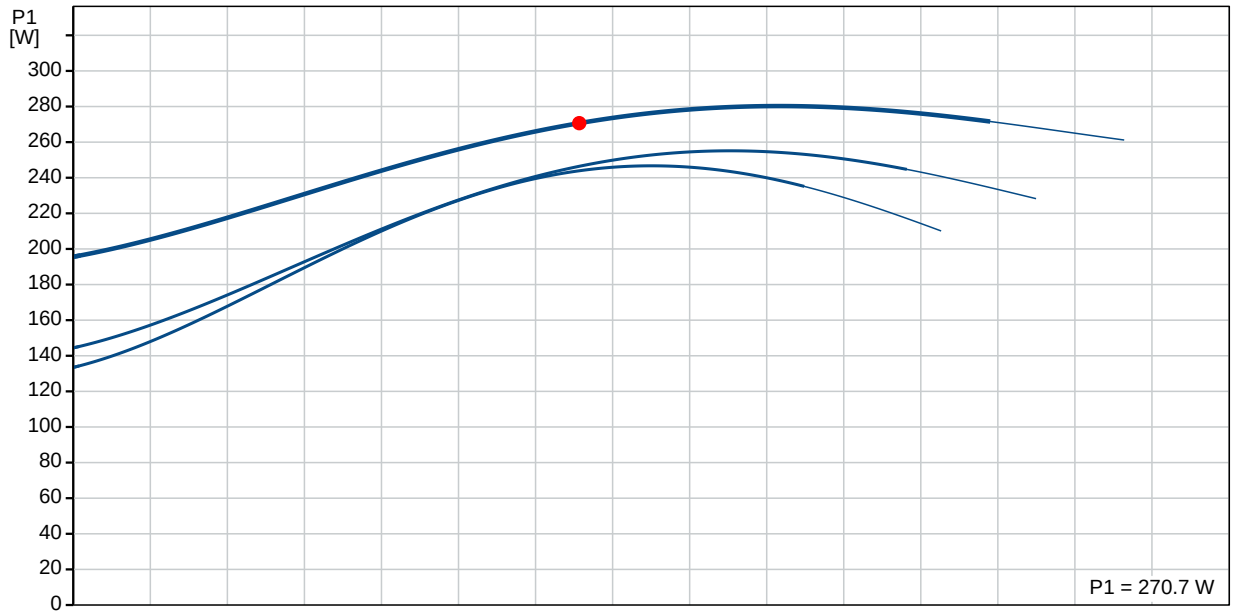
Position	Count	Description
		AISI 304
		Installation:
		Range of ambient temperature: 32 .. 104 °F
		Maximum operating pressure: 145 psi
		Flange standard: USA Oval
		Type of connection: F
		Pipe connection: GF 15/26
		Pressure stage: 145 psi
		Port-to-port length: 11 in
		Electrical data:
		Power input in speed 1: 250 W
		Power input in speed 2: 260 W
		Max. power input: 280 W
		Main frequency: 60 Hz
		Rated voltage: 1 x 230 V
		Current in speed 1: 1.26 A
		Current in speed 2: 1.26 A
		Current in speed 3: 1.34 A
		Cos phi in speed 1: 0,87
		Cos phi in speed 2: 0,9
		Cos phi: 0,92
		Capacitor size - run: 8 µF/400 V
		Enclosure class (IEC 34-5): X4D
		Insulation class (IEC 85): F
		Others:
		Net weight: 35.9 lb
		Gross weight: 43.4 lb
		Shipping volume: 2.08 ft^3

Company name:
Created by:
Phone:

Date: 2/21/2018

96402709 UPS 32-80 F 60 Hz

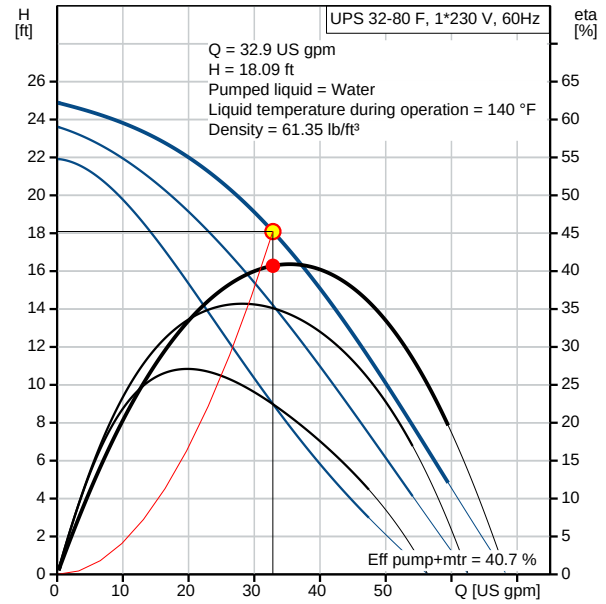


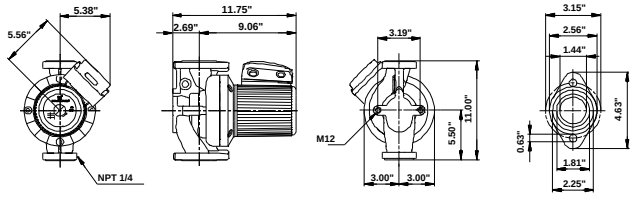


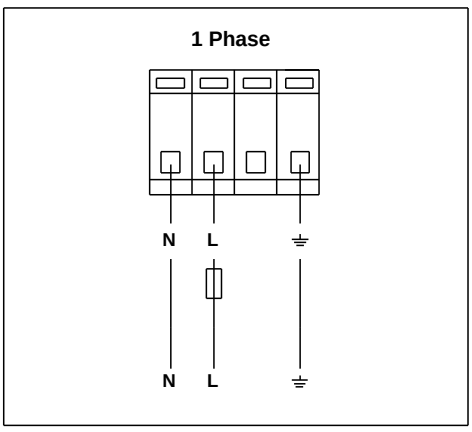
Company name:
Created by:
Phone:

Date: 2/21/2018

Description	Value
General information:	
Product name:	UPS 32-80 F
Product No.:	96402709
EAN:	5700390678425
Technical:	
Speed Number:	3
Actual calculated flow:	32.9 US gpm
Resulting head of the pump:	18.09 ft
Head max:	26.25 ft
Approvals on nameplate:	CUL
Model:	C
Materials:	
Pump housing:	Cast iron
	EN-JL1040
	ASTM 35 B - 40 B
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Installation:	
Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	145 psi
Flange standard:	USA Oval
Type of connection:	F
Pipe connection:	GF 15/26
Pressure stage:	145 psi
Port-to-port length:	11 in
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	14 .. 248 °F
Liquid temperature during operation:	140 °F
Density:	61.35 lb/ft³
Electrical data:	
Power input in speed 1:	250 W
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Max. power input:	280 W
Main frequency:	60 Hz
Rated voltage:	1 x 230 V
Current in speed 1:	1.26 A
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Current in speed 3:	1.34 A
Cos phi in speed 1:	0,87
Cos phi in speed 2:	0,9
Cos phi:	0,92
Capacitor size - run:	8 µF/400 V
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Motor protection:	CONTACT
Thermal protec:	internal
R a:	19.4 - 25.5 ohm
R s1:	5.45 - 7.1 ohm
R s2:	12.6 - 16.4 ohm
Controls:	
Relay:	with relay







GRUNDFOS

Company name:
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Phone:

Date: 2/21/2018

Description	Value
Pos term box:	1.30H
Others:	
Net weight:	35.9 lb
Gross weight:	43.4 lb
Shipping volume:	2.08 ft³
Sales region:	Namreg

Company name:
Created by:
Phone:

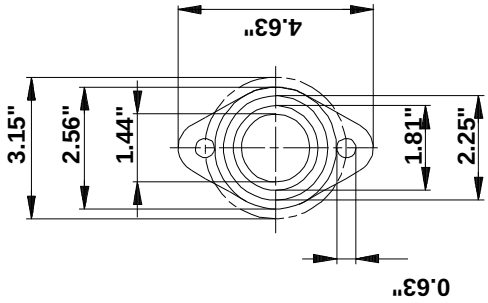
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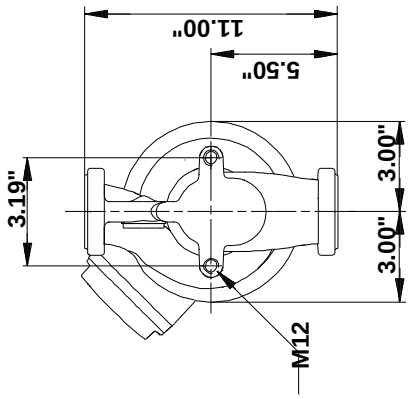
96402709 UPS 32-80 F 60 Hz

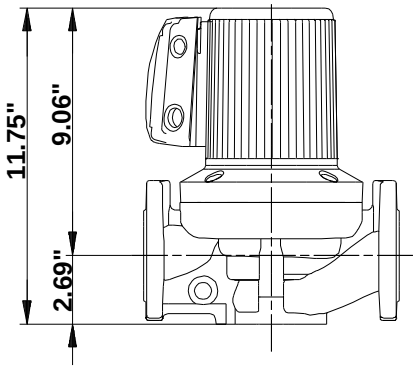
Company name:
Created by:
Phone:

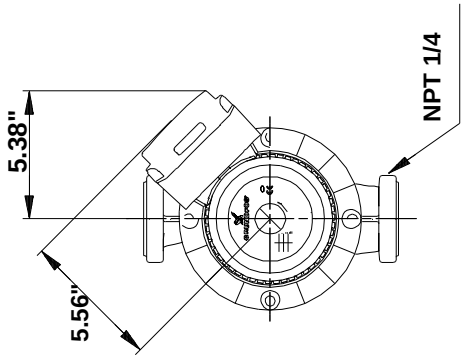
Date: 2/21/2018

96402709 UPS 32-80 F 60 Hz







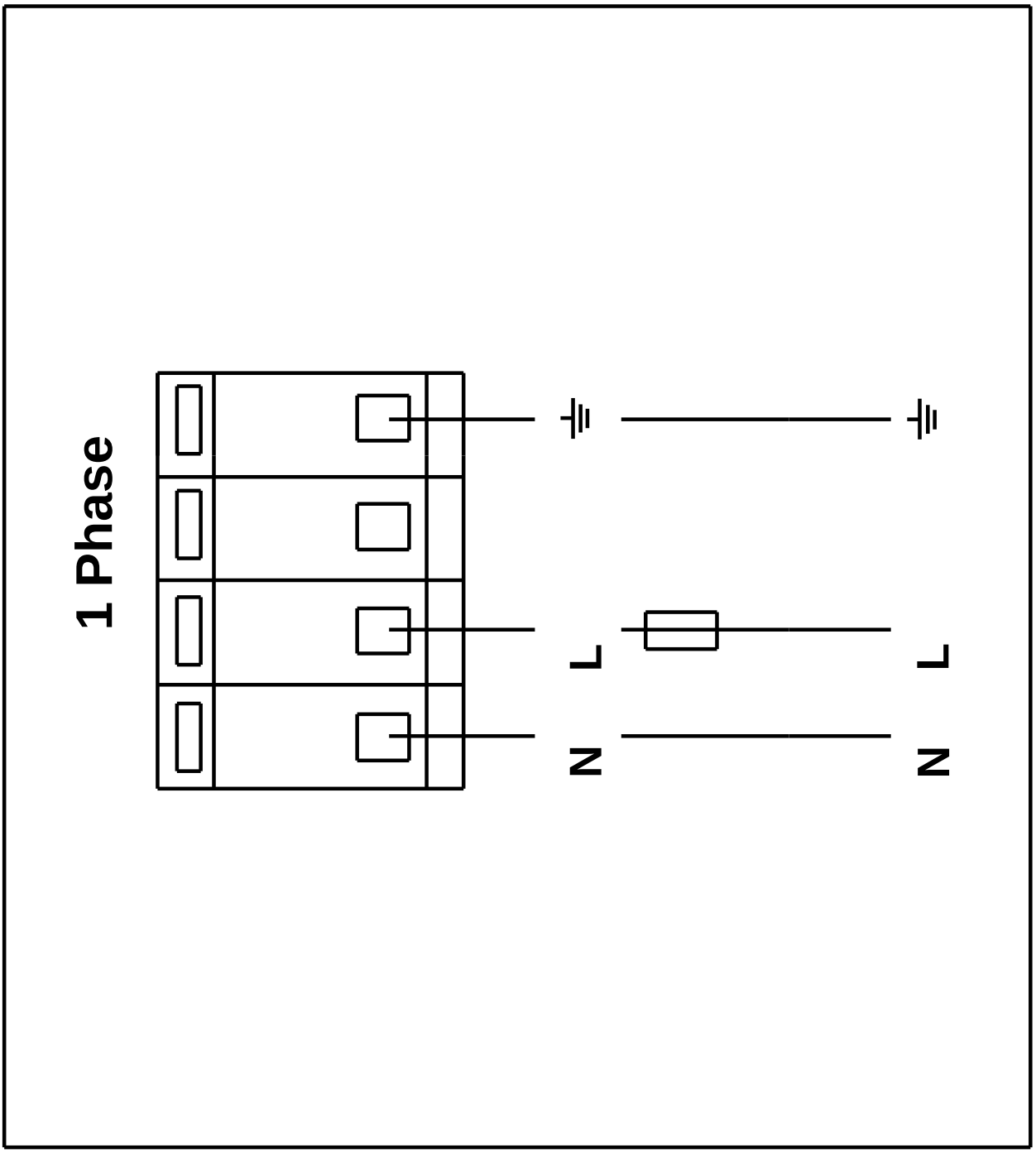


Note! All units are in [mm] unless otherwise stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Company name:
Created by:
Phone:

Date: 2/21/2018

96402709 UPS 32-80 F 60 Hz



All units are [mm] unless otherwise presented.

Company name:
Created by:
Phone:

Date: 2/21/2018

Order Data:

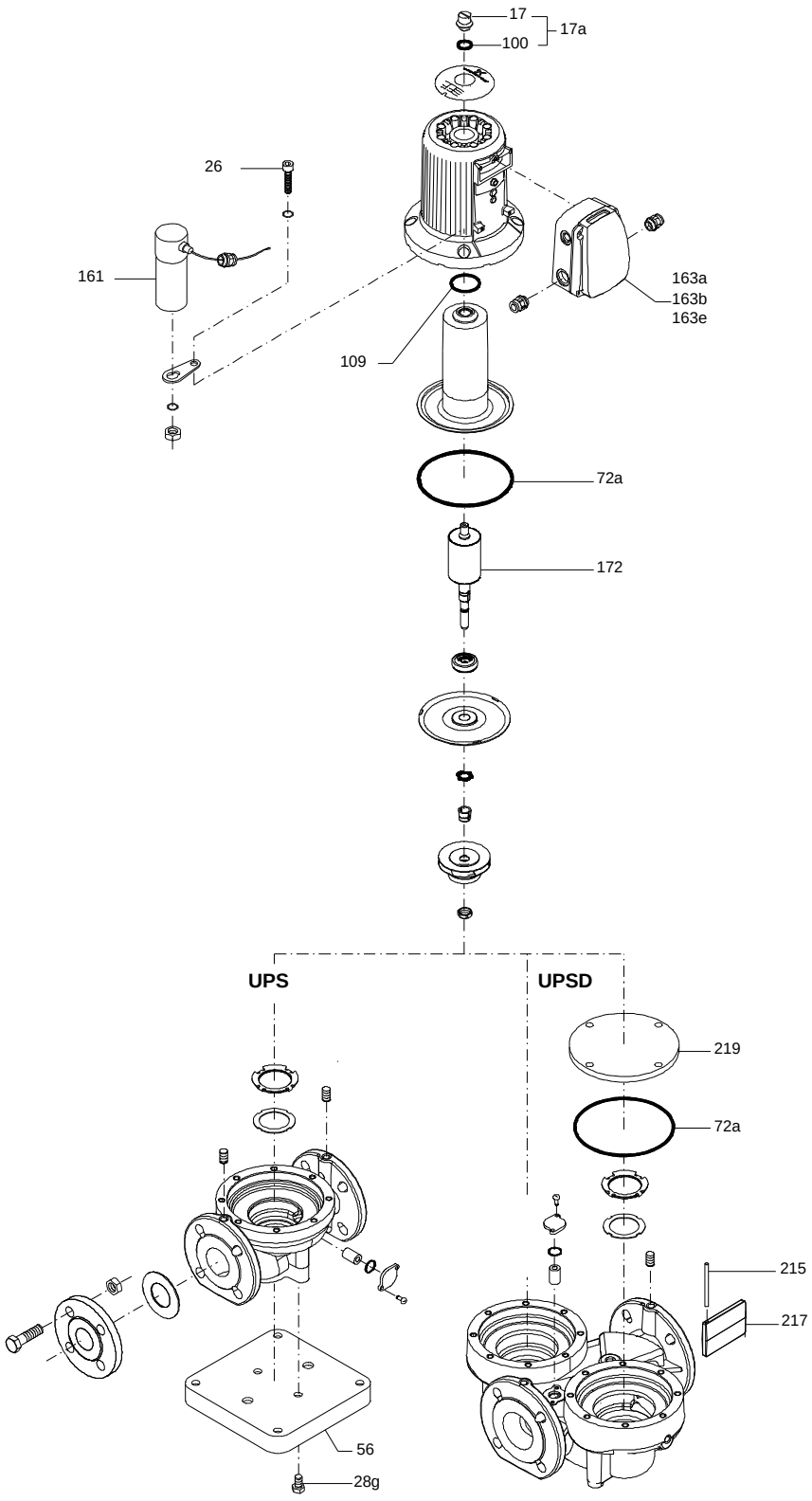
Product name: UPS 32-80 F
Amount: 1
Product No.: 96402709

Total: Price on request

Company name:
Created by:
Phone:

Date: 2/21/2018

Exploded view (TM010410 3905)

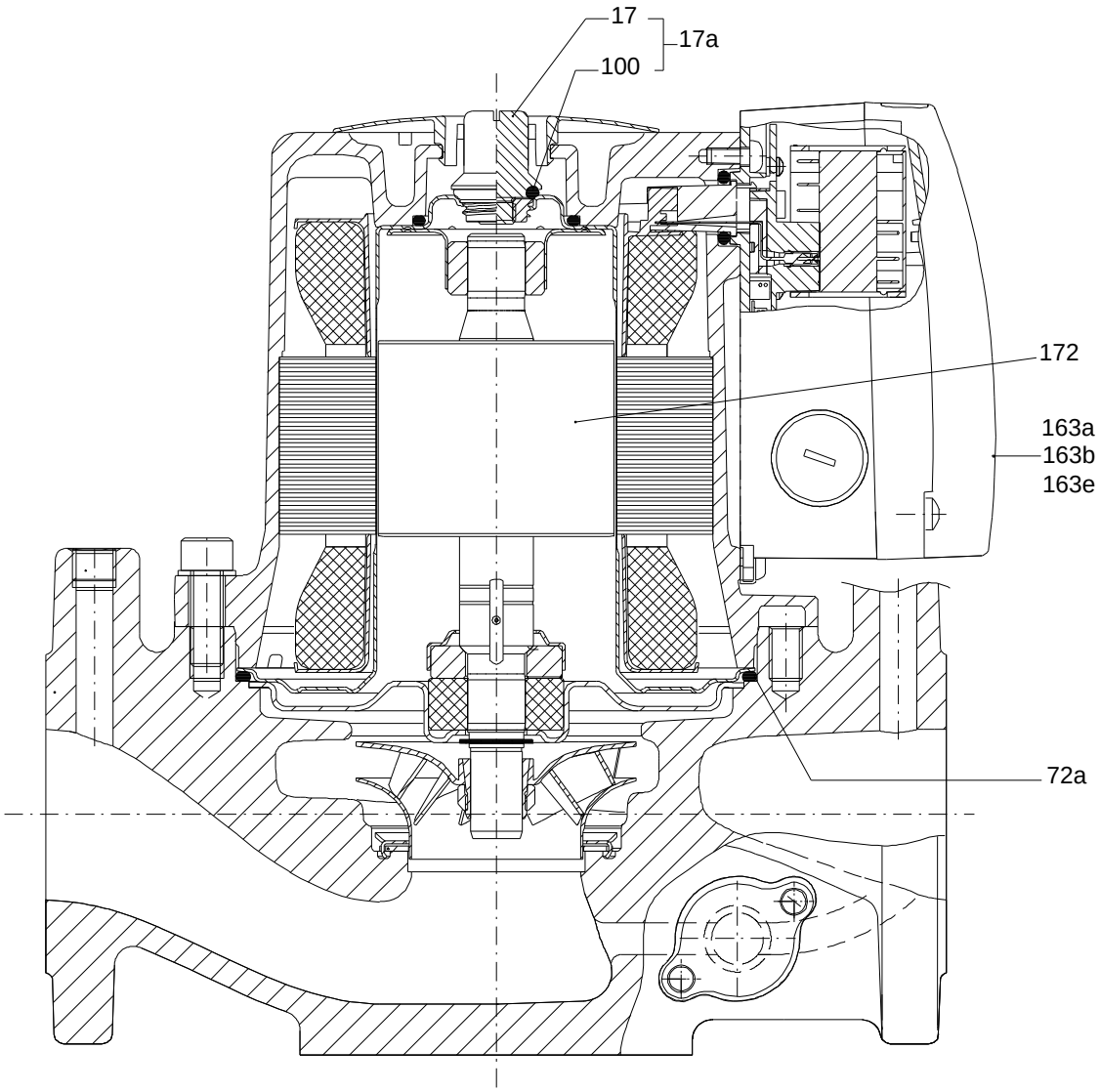


TM010410

Company name:
Created by:
Phone:

Date: 2/21/2018

Sectional drawing (TM010371 3905)



TM010371

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/21/2018

Parts list UPS 32-80 F, Prod number 96402709
Valid from 1.4.1995 (9513)

Position	Description	Annotation	Classification data	Part No.	Count	Unit
	Capacitor cpl.				1	pcs
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