GRUNDFOS

Submittal Data

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



Note! Product picture may differ from actual product

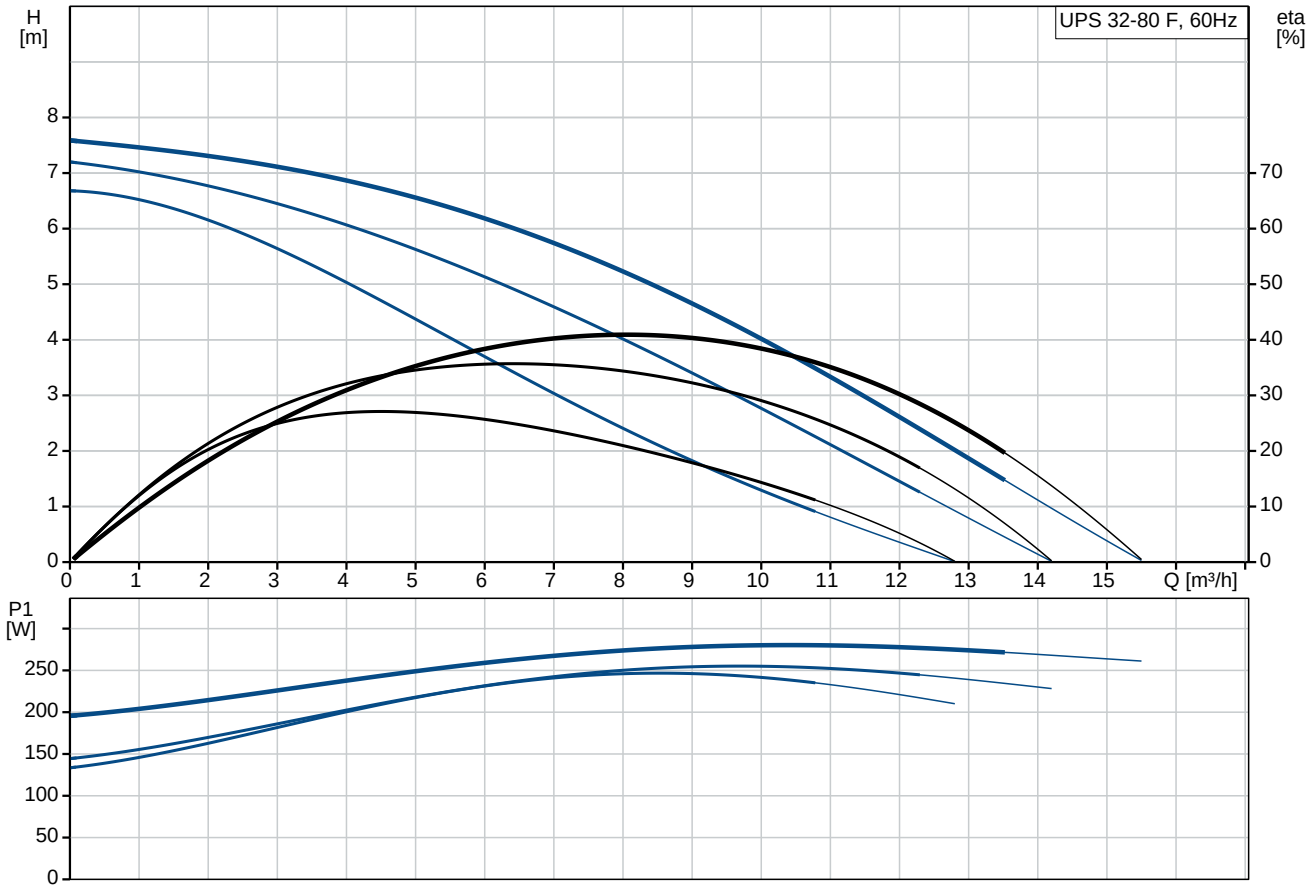
UPS 32-80 F

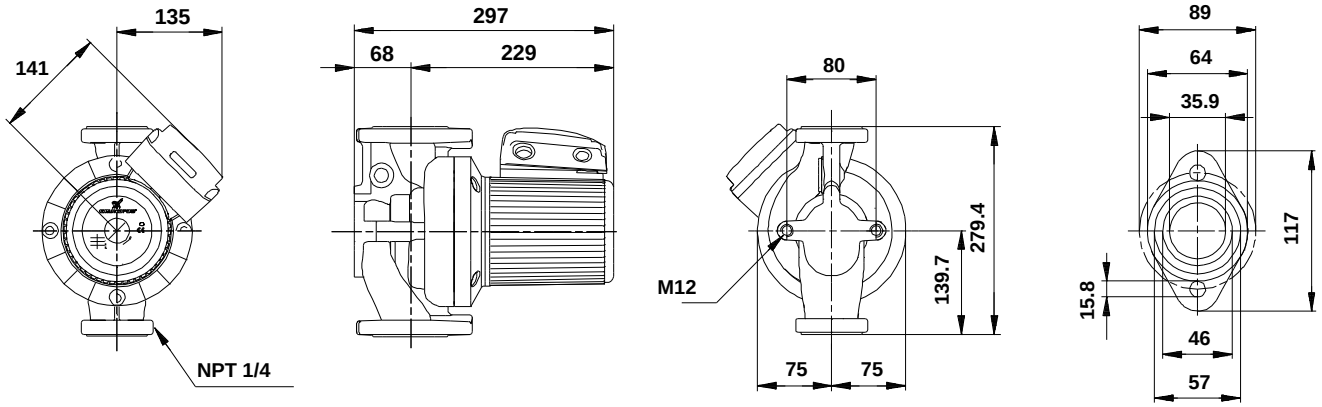
Circulator pumps

Conditions of Service	
Flow:	
Head:	
Efficiency:	
Liquid:	Water
Temperature:	60 °C
NPSH required:	m
Viscosity:	
Specific Gravity:	0.985

Pump Data	
Maximum operating pressure:	10 bar
Liquid temperature range:	-10 .. 120 °C
Maximum ambient temperature:	40 °C
Approvals:	CUL
Type of connection:	F
Flange standard:	USA Oval
Pipe connection:	GF 15/26
Product number:	On request

Motor Data	
Max. power input:	280 W
Rated voltage:	115 V
Mains frequency:	60 Hz
Enclosure class:	X4D
Insulation class:	F
Motor protection:	CONTACT
Thermal protection:	INT.





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: 28/11/2017

Tender Text



Note! Product picture may differ from actual product

Product No.: On request
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:	Y

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:	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:	0 .. 40 °C
Maximum operating pressure:	10 bar
Flange standard:	USA Oval
Type of connection:	F
Pipe connection:	GF 15/26
Pressure rating:	145 psi
Port-to-port length:	279 mm

Electrical data:

Power input in speed 1:	250 W
Power input in speed 2:	260 W
Max. power input:	280 W
Mains frequency:	60 Hz
Rated voltage:	1 x 115 V
Current in speed 1:	2.5 A
Current in speed 2:	2.5 A
Current in speed 3:	2.66 A
Cos phi in speed 1:	0,87
Cos phi in speed 2:	0,9
Cos phi:	0,92
Capacitor size - run:	30 µF/400 V
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F

Others:

Net weight:	16.3 kg
Gross weight:	19.7 kg
Shipping volume:	0.059 m^3

GRUNDFOS

Company name:
Created by:
Phone:

Date: 28/11/2017

Position	Qty.	Description
	1	**UPS 32-80 F**



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 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:	Y

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:	CUL

Materials:

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

GRUNDFOS

Company name:
Created by:
Phone:

Date: 28/11/2017

Position	Qty.	Description

Installation:

Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	10 bar
Flange standard:	USA Oval
Type of connection:	F
Pipe connection:	GF 15/26
Pressure rating:	145 psi
Port-to-port length:	279 mm

Electrical data:

Power input in speed 1:	250 W
Power input in speed 2:	260 W
Max. power input:	280 W
Mains frequency:	60 Hz
Rated voltage:	1 x 115 V
Current in speed 1:	2.5 A
Current in speed 2:	2.5 A
Current in speed 3:	2.66 A
Cos phi in speed 1:	0,87
Cos phi in speed 2:	0,9
Cos phi:	0,92
Capacitor size - run:	30 µF/400 V
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F

Others:

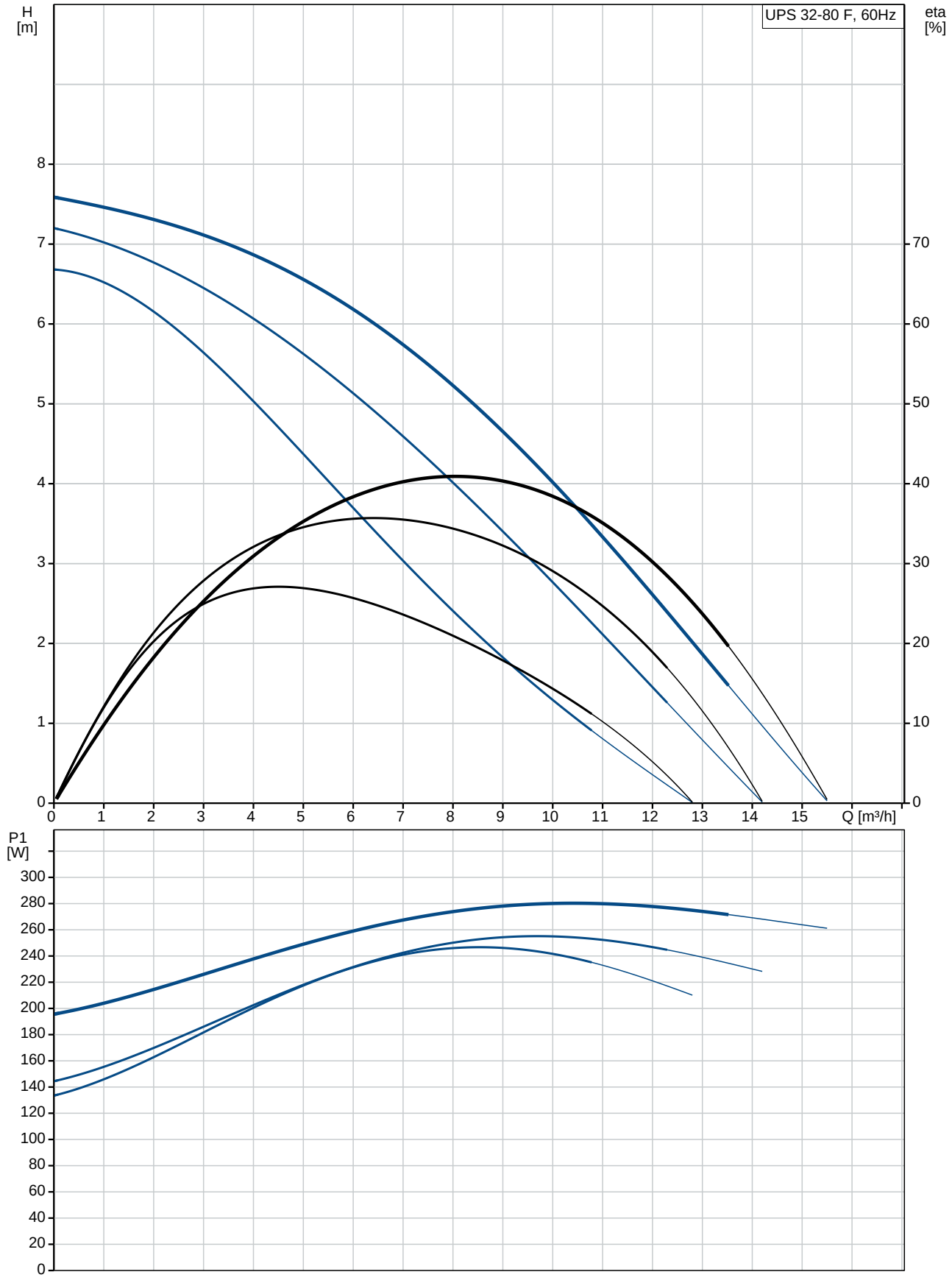
Net weight:	16.3 kg
Gross weight:	19.7 kg
Shipping volume:	0.059 m^3

GRUNDFOS

Company name:
Created by:
Phone:

Date: 28/11/2017

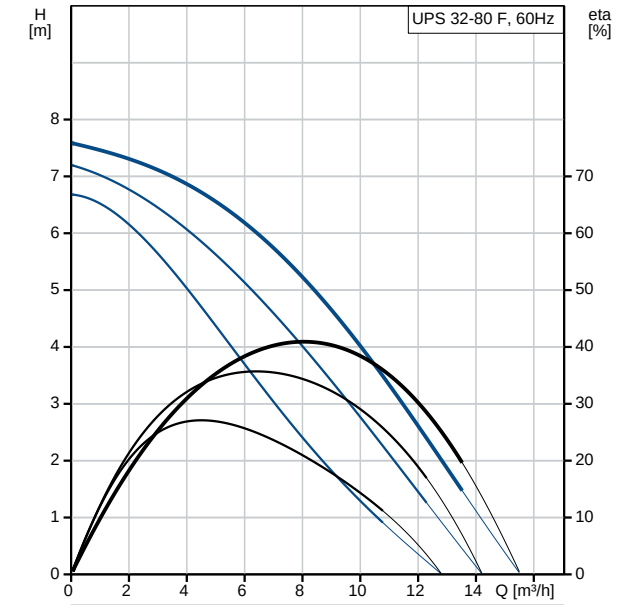
On request UPS 32-80 F 60 Hz

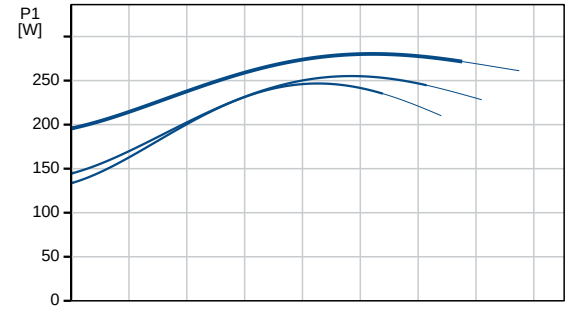


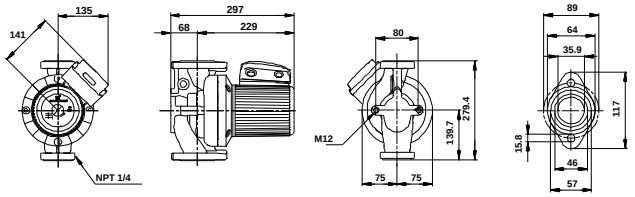
Company name:
Created by:
Phone:

Date: 28/11/2017

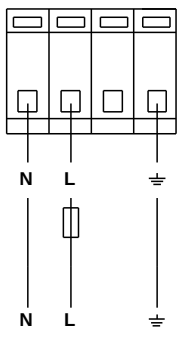
Description	Value
General information:	
Product name:	UPS 32-80 F
Product No:	On request
EAN number:	On request
Technical:	
Speed no:	3
Head max:	80 dm
Approvals on nameplate:	CUL
Model:	C
Materials:	
Pump housing:	Cast iron
	EN-JL1040
	ASTM 35 B - 40 B
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Installation:	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	10 bar
Flange standard:	USA Oval
Type of connection:	F
Pipe connection:	GF 15/26
Pressure rating:	145 psi
Port-to-port length:	279 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-10 .. 120 °C
Liquid temperature during operation:	60 °C
Density:	983.2 kg/m³
Electrical data:	
Power input in speed 1:	250 W
Power input in speed 2:	260 W
Max. power input:	280 W
Mains frequency:	60 Hz
Rated voltage:	1 x 115 V
Current in speed 1:	2.5 A
Current in speed 2:	2.5 A
Current in speed 3:	2.66 A
Cos phi in speed 1:	0,87
Cos phi in speed 2:	0,9
Cos phi:	0,92
Capacitor size - run:	30 µF/400 V
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Motor protec:	CONTACT
Thermal protec:	INT.
R a:	9.55 - 12.6 ohm
R s1:	3.05 - 4.0 ohm
R s2:	6.7 - 8.8 ohm
Controls:	
Relay:	Y
Pos term box:	1.30H







1 Phase



GRUNDFOS

Company name:
Created by:
Phone:

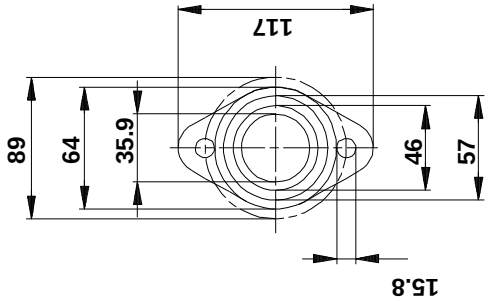
Date: 28/11/2017

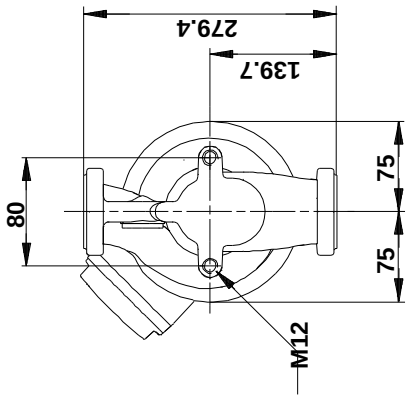
Description	Value
Others:	
Net weight:	16.3 kg
Gross weight:	19.7 kg
Shipping volume:	0.059 m^3
Sales region:	Namreg

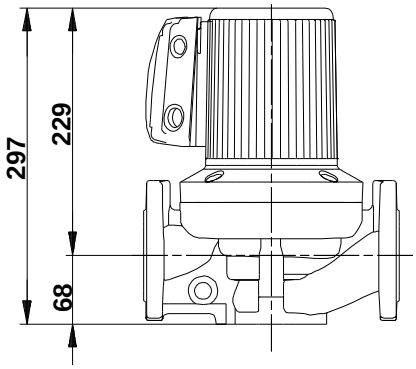
Company name:
Created by:
Phone:

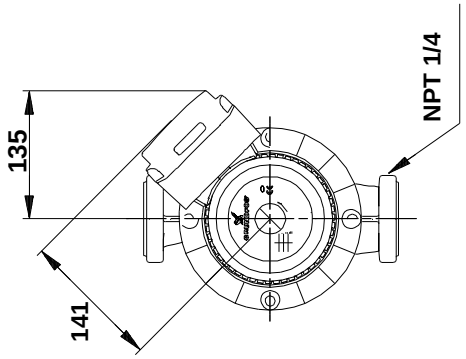
Date: 28/11/2017

On request UPS 32-80 F 60 Hz







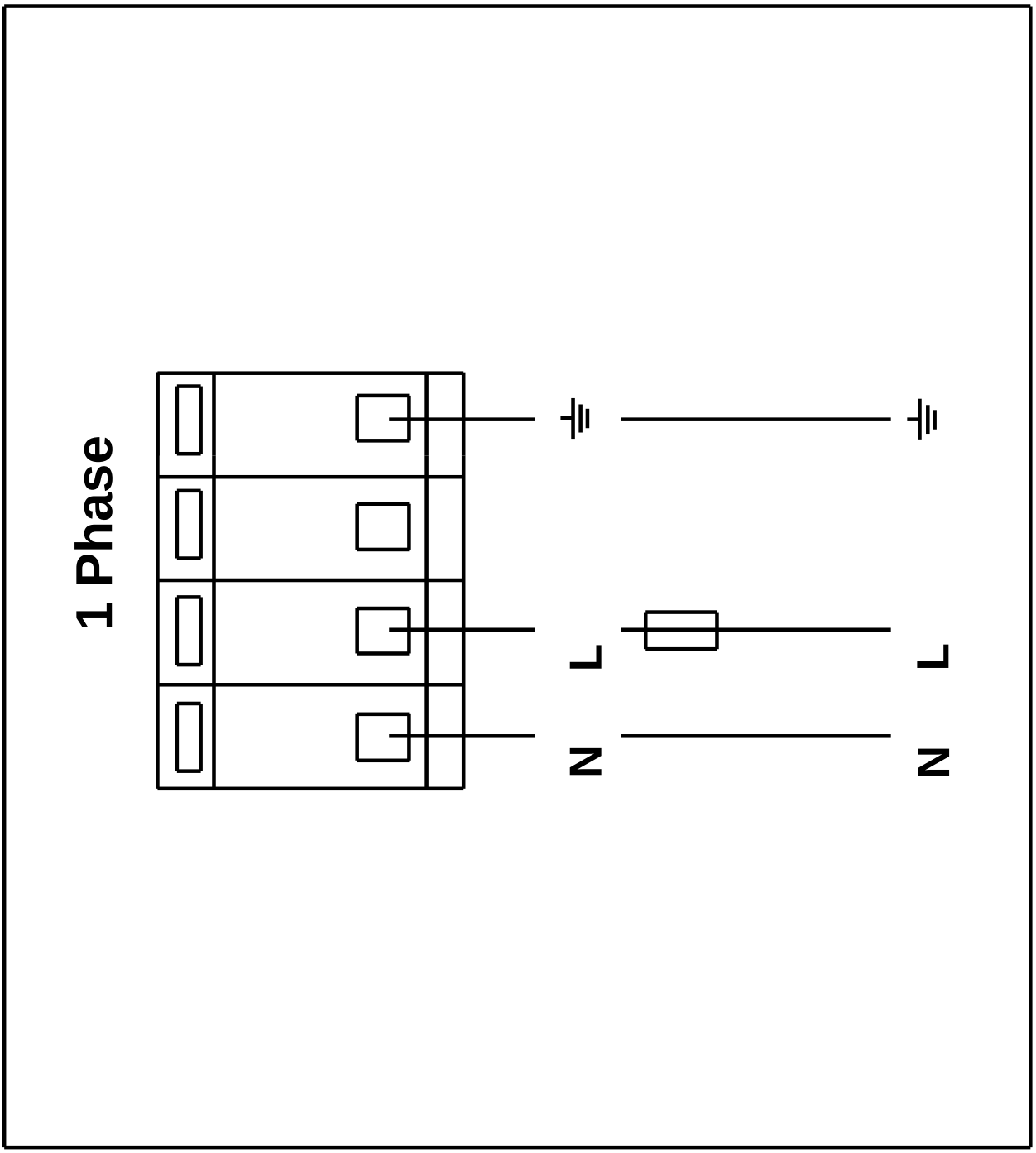


Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Company name:
Created by:
Phone:

Date: 28/11/2017

On request UPS 32-80 F 60 Hz



Note! All units are in [mm] unless others are stated.

GRUNDFOS

Company name:
Created by:
Phone:

Date: 28/11/2017

Order Data:

Product name: UPS 32-80 F
Amount: 1
Product No: On request

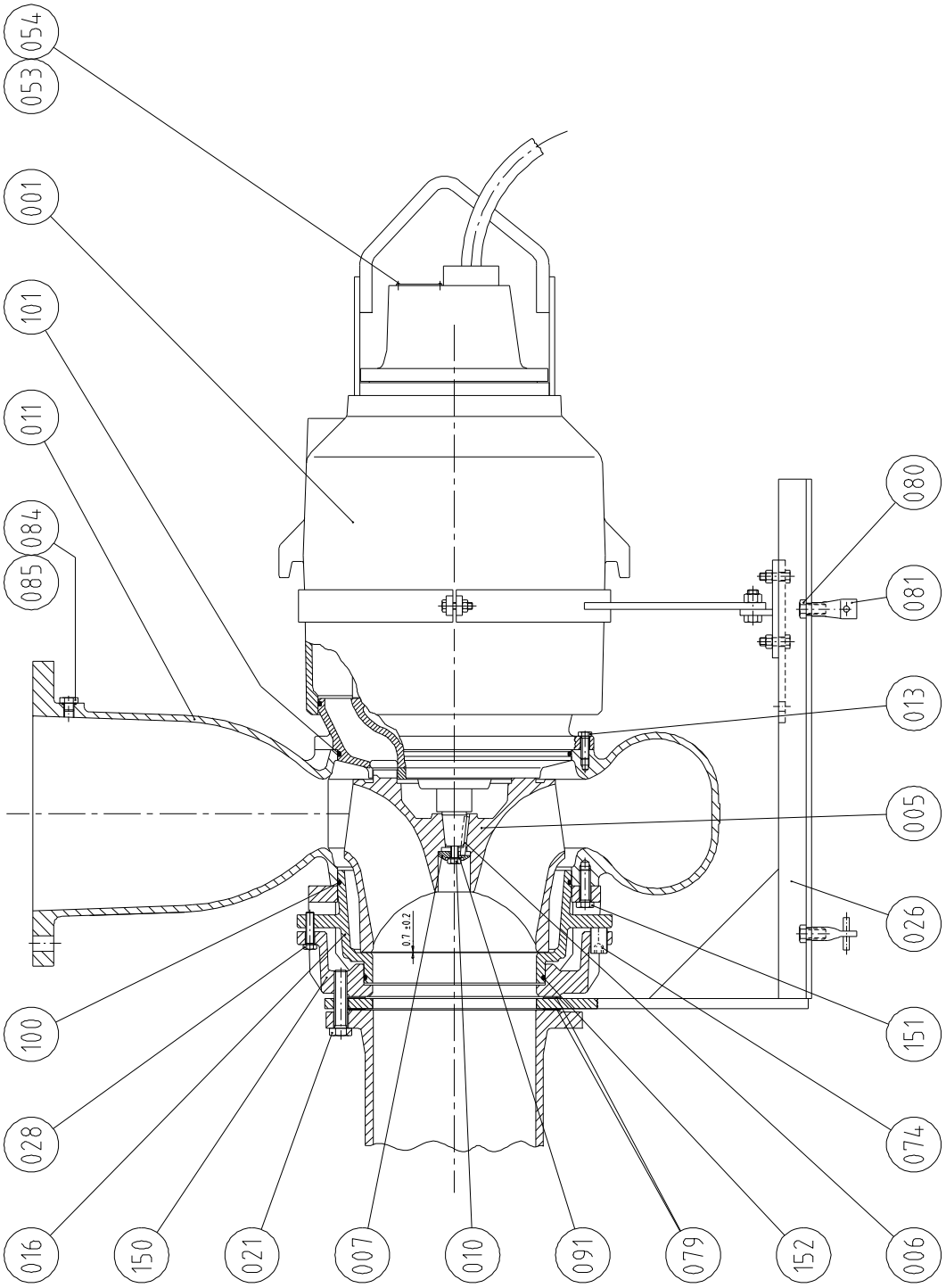
Total: Price on request

GRUNDFOS

Company name:
Created by:
Phone:

Date: 28/11/2017

Sectional drawing (A_944781)



GRUNDFOS

Company name:
Created by:
Phone:

Date: 28/11/2017

Sectional drawing (A_944775)

