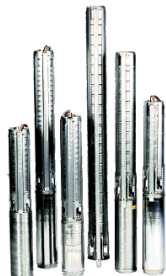![GRUNDFOS logo]

Tender Text

Product photo could vary from the actual product

Product No.: 81545225

5S10-22
Multi-stage submersible pump for raw water supply,
groundwater lowering and pressure boosting. The
pump is suitable for pumping clean, thin, non-agressive
liquids without solid particles or fibers.

The pump is made entirely of Stainless steel
DIN W.-Nr. DIN W.-Nr. 1.4301 and suitable for
horizontal and vertical installation.
The pump is fitted with a built-in non-return valve.

The motor is a 1-phase motor of the canned
type with a sand shield, liquid-lubricated bearings
and pressure-equalizing diaphragm.

Liquid:
Pumped liquid: Water
Maximum liquid temperature: 104 °F
Max liquid temperature at 0.15 m/sec: 104 °F
Liquid temperature during operation: 68 °F
Density: 62.29 lb/ft³

Technical:
Speed for pump data: 3450 rpm
Actual calculated flow: 4.81 US gpm
Resulting head of the pump: 439 ft
Shaft seal for motor: LIPSEAL
Approvals on nameplate: CE,EAC,CSACOMP,UR
Curve tolerance: ISO9906:2012 3B

Materials:
Pump: Stainless steel
               DIN W.-Nr. 1.4301
               AISI 304
Impeller: Stainless steel
               DIN W.-Nr. 1.4301
               AISI 304
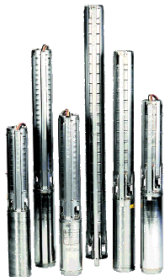Motor: Stainless steel
               1.4301 EN
               AISI 304

Installation:
Pump outlet: 1"NPT
Motor diameter: 4 inch

Electrical data:

Motor type:	MS402
Type of motor:	CSIR
Rated power - P2:	1 HP
Power (P2) required by pump:	1.395 HP
Main frequency:	60 Hz
Rated voltage:	1 x 230 V
Service factor:	1,4
Rated current:	9.8 A
Cos phi - power factor:	0,82
Rated speed:	3450 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	B
Built-in temperature transmitter:	No

Others:

Net weight:	32.4 lb
Gross weight:	35.9 lb

GRUNDFOS ⋉	**Company name:** **Created by:** **Phone:** **Date:** 2/22/2018	

Position	Count	Description
	1	**5S10-22**

Product photo could vary from the actual product

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Materials:
Pump: Stainless steel
                                                        DIN W.-Nr. 1.4301
                                                        AISI 304
Impeller: Stainless steel
                                                        DIN W.-Nr. 1.4301
                                                        AISI 304
Motor: Stainless steel
                                                        1.4301 EN
                                                        AISI 304

Installation:
Pump outlet: 1"NPT
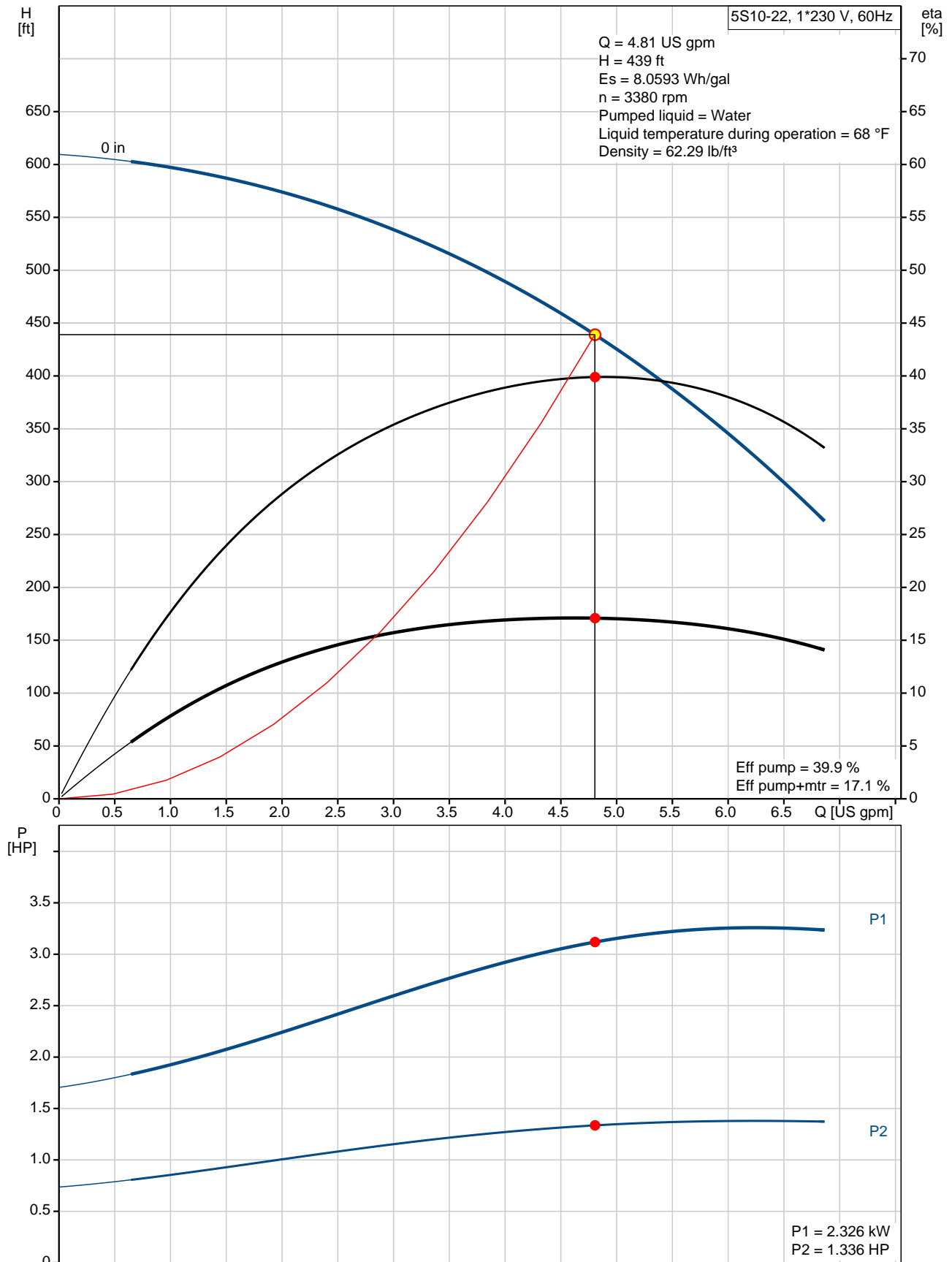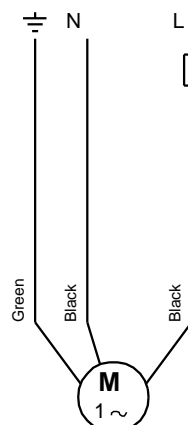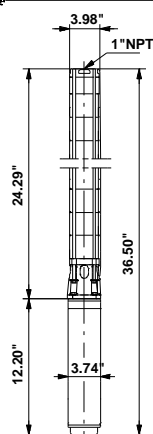Motor diameter: 4 inch

Electrical data:
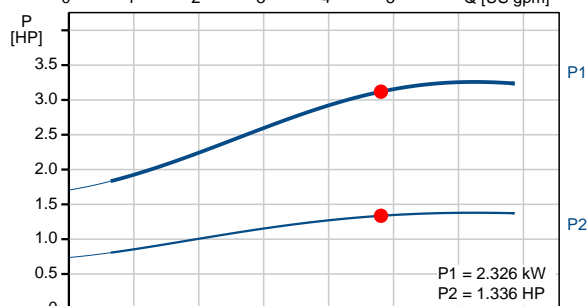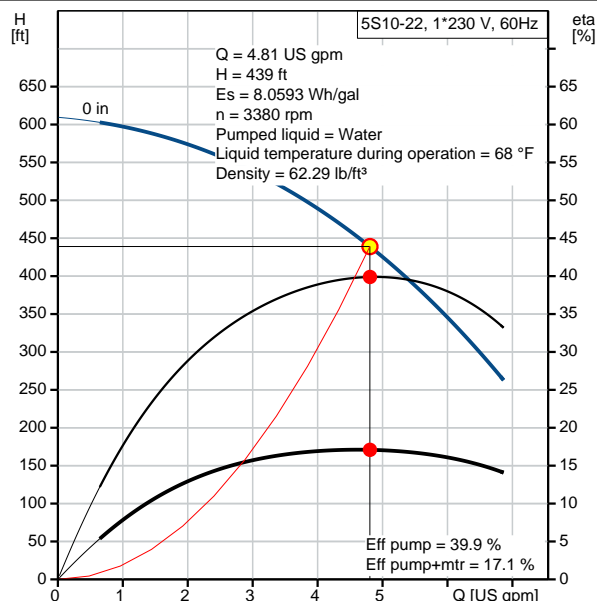Motor type: MS402

Position	Count	Description
		Type of motor: CSIR
		Rated power - P2: 1 HP
		Power (P2) required by pump: 1.395 HP
		Main frequency: 60 Hz
		Rated voltage: 1 x 230 V
		Service factor: 1,4
		Rated current: 9.8 A
		Cos phi - power factor: 0,82
		Rated speed: 3450 rpm
		Start. method: direct-on-line
		Enclosure class (IEC 34-5): IP68
		Insulation class (IEC 85): B
		Built-in temperature transmitter: No
		Others:
		Net weight: 32.4 lb
		Gross weight: 35.9 lb

GRUNDFOS

81545225 5S10-22 60 Hz

5S10-22, 1*230 V, 60Hz

Q = 4.81 US gpm
H = 439 ft
Es = 8.0593 Wh/gal
n = 3380 rpm
Pumped liquid = Water
Liquid temperature during operation = 68 °F
Density = 62.29 lb/ft³

0 in

Eff pump = 39.9 %
Eff pump+mtr = 17.1 %

P1

P2

P1 = 2.326 kW
P2 = 1.336 HP

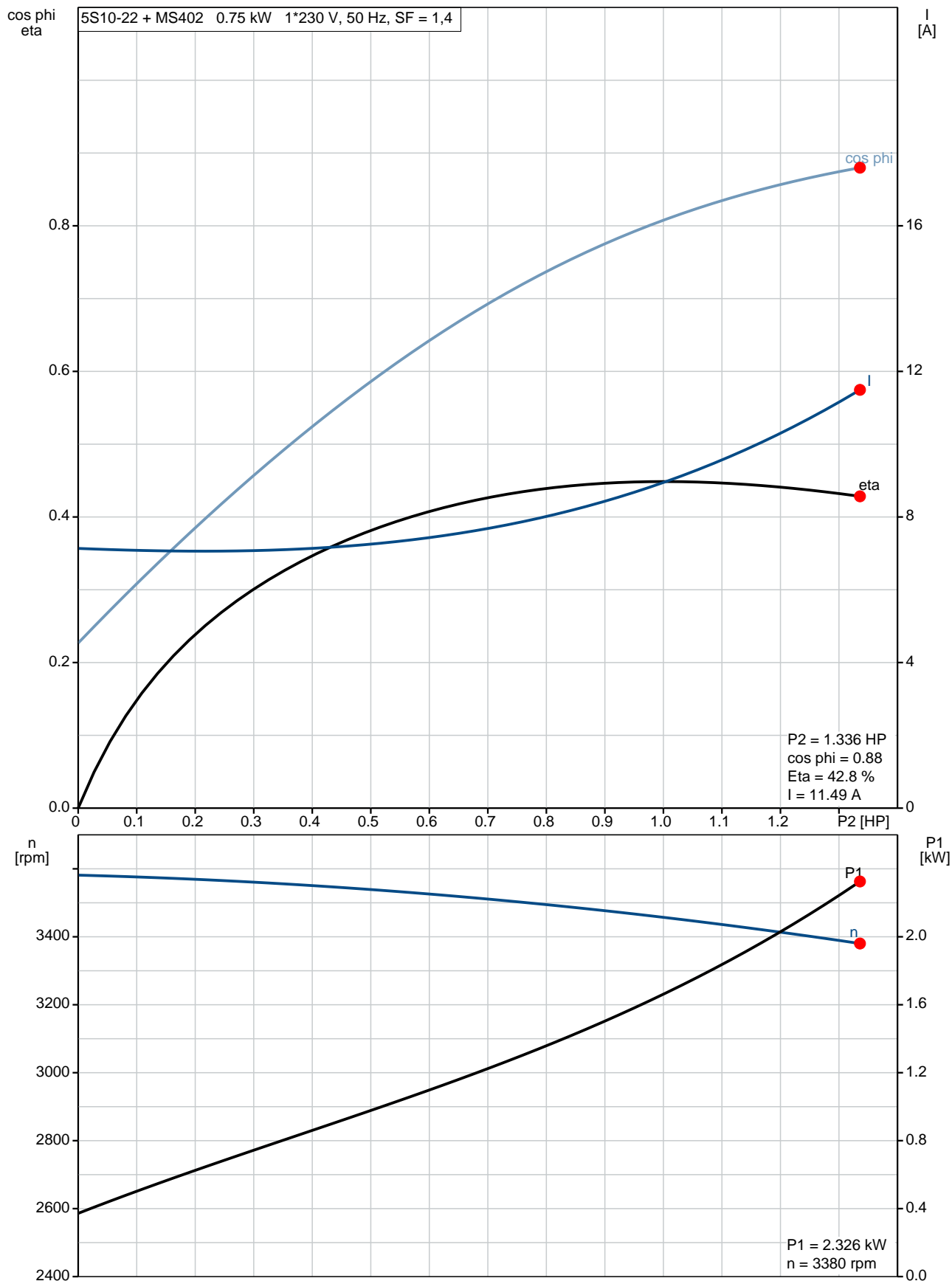| Description	Value
General information:	
Product name:	5S10-22
Product No.:	81545225
EAN:	5700394509732
Technical:	
Speed for pump data:	3450 rpm
Actual calculated flow:	4.81 US gpm
Resulting head of the pump:	439 ft
Stages:	22
Shaft seal for motor:	LIPSEAL
Approvals on nameplate:	CE,EAC,CSACOMP,UR
Curve tolerance:	ISO9906:2012 3B
Pump Number:	8010022
Model:	A
Valve:	pump with built-in non-return valve
Materials:	
Pump:	Stainless steel DIN W.-Nr. 1.4301 AISI 304
Impeller:	Stainless steel DIN W.-Nr. 1.4301 AISI 304
Motor:	Stainless steel 1.4301 EN AISI 304
Installation:	
Pump outlet:	1"NPT
Motor diameter:	4 inch
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	104 °F
Max liquid temperature at 0.15 m/sec:	104 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor type:	MS402
Type of motor:	CSIR
Applic. motor:	NEMA
Rated power - P2:	1 HP
Power (P2) required by pump:	1.395 HP
KVA code:	K
Main frequency:	60 Hz
Rated voltage:	1 x 230 V
Service factor:	1,4
Rated current:	9.8 A
Cos phi - power factor:	0,82
Rated speed:	3450 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	B
Motor protection:	CONTACT
Thermal protec:	internal
Built-in temperature transmitter:	No

5S10-22, 1*230 V, 60Hz

Q = 4.81 US gpm
H = 439 ft
Es = 8.0593 Wh/gal
n = 3380 rpm
Pumped liquid = Water
Liquid temperature during operation = 68 °F
Density = 62.29 lb/ft³

Eff pump = 39.9 %
Eff pump+mtr = 17.1 %

P1 = 2.326 kW
P2 = 1.336 HP

3.98"
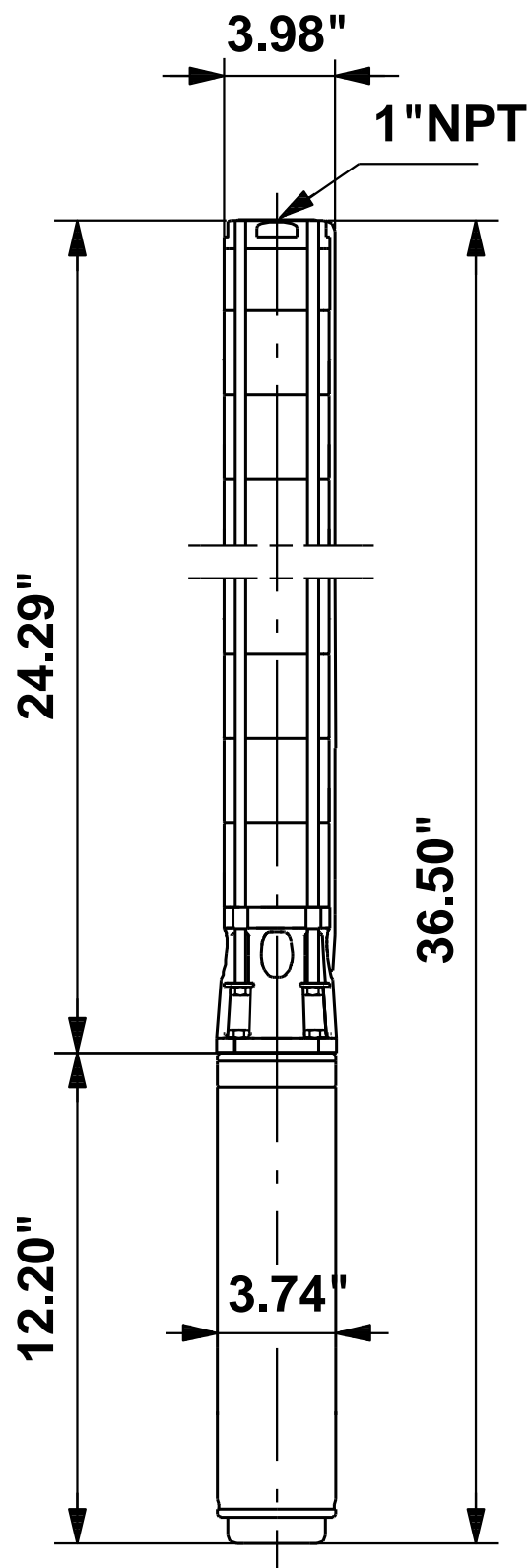1"NPT
24.29"
36.50"
12.20"
3.74"

Green   Black   Black

M
1 ~

GRUNDFOS

Description	Value
Motor Number:	79453104
Others:	
Net weight:	32.4 lb
Gross weight:	35.9 lb
Sales region:	Namreg

GRUNDFOS
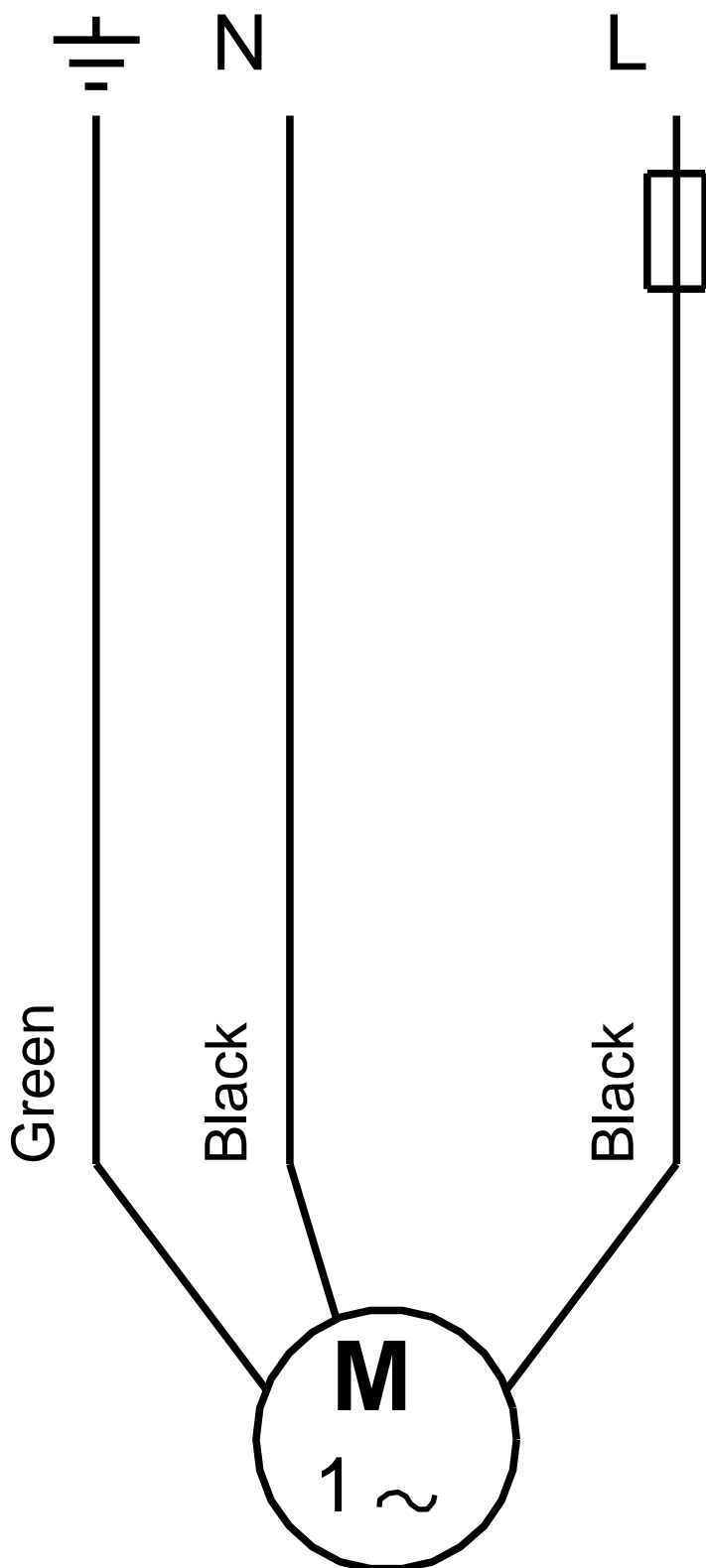
81545225 5S10-22 60 Hz

5S10-22 + MS402   0.75 kW   1*230 V, 50 Hz, SF = 1,4

P2 = 1.336 HP
cos phi = 0.88
Eta = 42.8 %
I = 11.49 A

P1 = 2.326 kW
n = 3380 rpm

GRUNDFOS

81545225 5S10-22 60 Hz

3.98"

1"NPT

24.29"

36.50"

12.20"

3.74"

GRUNDFOS

81545225 5S10-22 60 Hz

N

L

Green

Black

Black

M

1 ~

All units are [mm] unless otherwise presented.

Order Data:

Product name: 5S10-22
Amount: 1
Product No.:   81545225

Total: Price on request