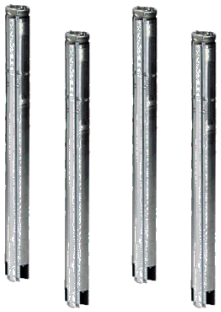
Authorized distributor
miamipumpandsupply.com · 844-MIA-PUMP (642-7867)

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

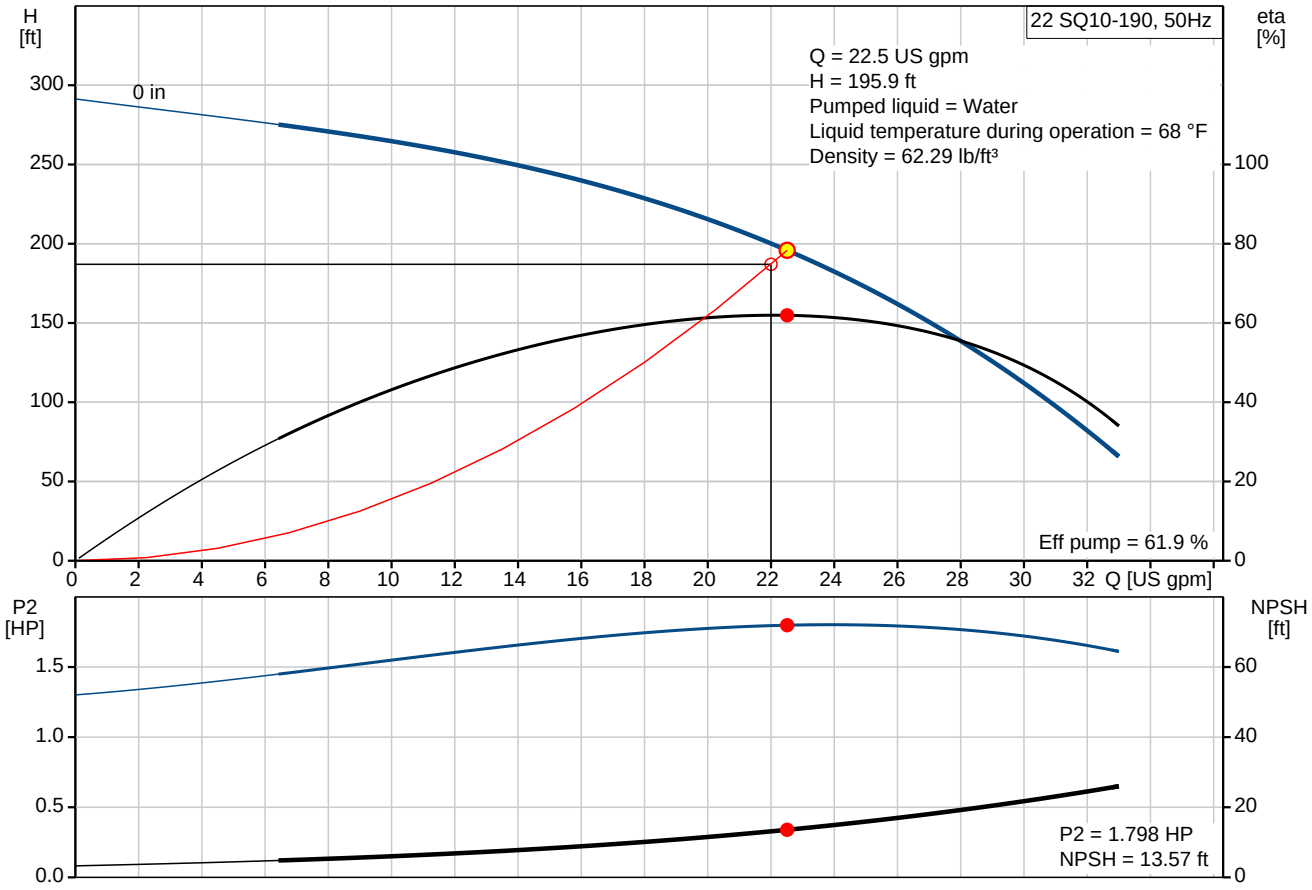
22 SQ10-190

Submersible pumps

Conditions of Service	
Flow:	22.5 US gpm
Head:	195.9 ft
Efficiency:	
Liquid:	Water
Temperature:	68 °F
NPSH required:	13.57 ft
Viscosity:	
Specific Gravity:	1.000

Pump Data	
Approvals:	UL, cUL
Approvals motor:	UL,CUL
Product number:	96160157

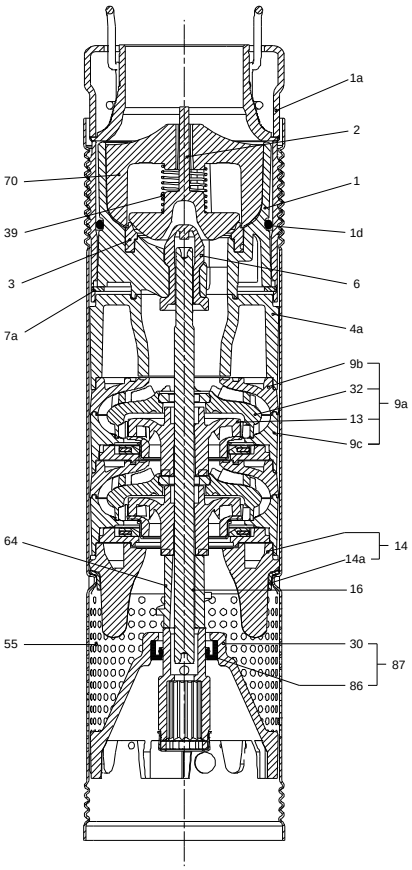
Motor Data	
Rated voltage:	200-240 V
Main frequency:	50 Hz
Enclosure class:	IP68
Insulation class:	F
Motor protection:	Y
Thermal protection:	internal
Motor type:	MS3



Authorized distributor
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GRUNDFOS

Submittal Data



Materials:

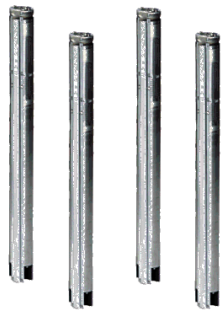
Pump: Polyethylene / Stainless steel
DIN W.-Nr. 1.4301

Motor: Stainless steel
1.4301 EN
AISI 304

Company name:
Created by:
Phone:

Date: 2/22/2018

Tender Text



Product photo could vary from the actual product

Product No.: 96160157
22 SQ10-190
3" multi-stage, submersible pump designed for domestic water supply, liquid transfer in tanks, irrigation and environmental applications. The pump has "floating" impellers, each with its own tungsten carbide/ceramic bearing.

The pump features soft starting and protection against dry-running, upthrust, overvoltage, undervoltage, overload and overtemperature.

The motor is a one-phase motor of the permanent magnet rotor type ensuring optimum efficiency within a wide load range.
The motor is fitted with a replaceable cable plug.

Liquid:

Pumped liquid:	Water
Maximum liquid temperature:	95 °F
Max liquid temperature at 0.15 m/sec:	95 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³

Technical:

Speed for pump data:	10700 rpm
Actual calculated flow:	22.5 US gpm
Resulting head of the pump:	195.9 ft
Approvals on nameplate:	UL, cUL
Approvals on motor nameplate:	UL,CUL
Curve tolerance:	ISO9906:2012 3B

Materials:

Pump:	Polyethylene / Stainless steel DIN W.-Nr. 1.4301
Motor:	Stainless steel 1.4301 EN AISI 304

Installation:

Pump outlet:	NPT 1 1/2
Minimum borehole diameter:	2.99 in

Electrical data:

Motor type:	MS3

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

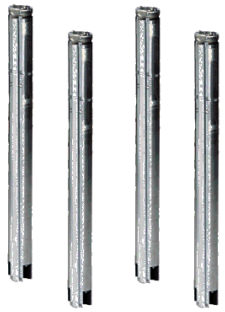
Power input - P1:	2.32 kW
Rated power - P2:	2.253 HP
Main frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current:	11.2 A
Power factor:	1,00
Rated speed:	10700 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Length of cable:	4.922 ft

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Position	Count	Description
	1	**22 SQ10-190**



Product photo could vary from the actual product

Product No.: 96160157
3" multi-stage, submersible pump designed for domestic water supply, liquid transfer in tanks, irrigation and environmental applications. The pump has "floating" impellers, each with its own tungsten carbide/ceramic bearing.

The pump features soft starting and protection against dry-running, upthrust, overvoltage, undervoltage, overload and overtemperature.

The motor is a one-phase motor of the permanent magnet rotor type ensuring optimum efficiency within a wide load range.
The motor is fitted with a replaceable cable plug.

Liquid:

Pumped liquid:	Water
Maximum liquid temperature:	95 °F
Max liquid temperature at 0.15 m/sec:	95 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³

Technical:

Speed for pump data:	10700 rpm
Actual calculated flow:	22.5 US gpm
Resulting head of the pump:	195.9 ft
Approvals on nameplate:	UL, cUL
Approvals on motor nameplate:	UL,CUL
Curve tolerance:	ISO9906:2012 3B

Materials:

Pump:	Polyethylene / Stainless steel DIN W.-Nr. 1.4301
Motor:	Stainless steel 1.4301 EN AISI 304

Installation:

Pump outlet:	NPT 1 1/2
Minimum borehole diameter:	2.99 in

Electrical data:

Motor type:	MS3
Power input - P1:	2.32 kW
Rated power - P2:	2.253 HP

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Position	Count	Description	
		Main frequency:	50 Hz
		Rated voltage:	1 x 200-240 V
		Rated current:	11.2 A
		Power factor:	1,00
		Rated speed:	10700 rpm
		Start. method:	direct-on-line
		Enclosure class (IEC 34-5):	IP68
		Insulation class (IEC 85):	F
		Length of cable:	4.922 ft

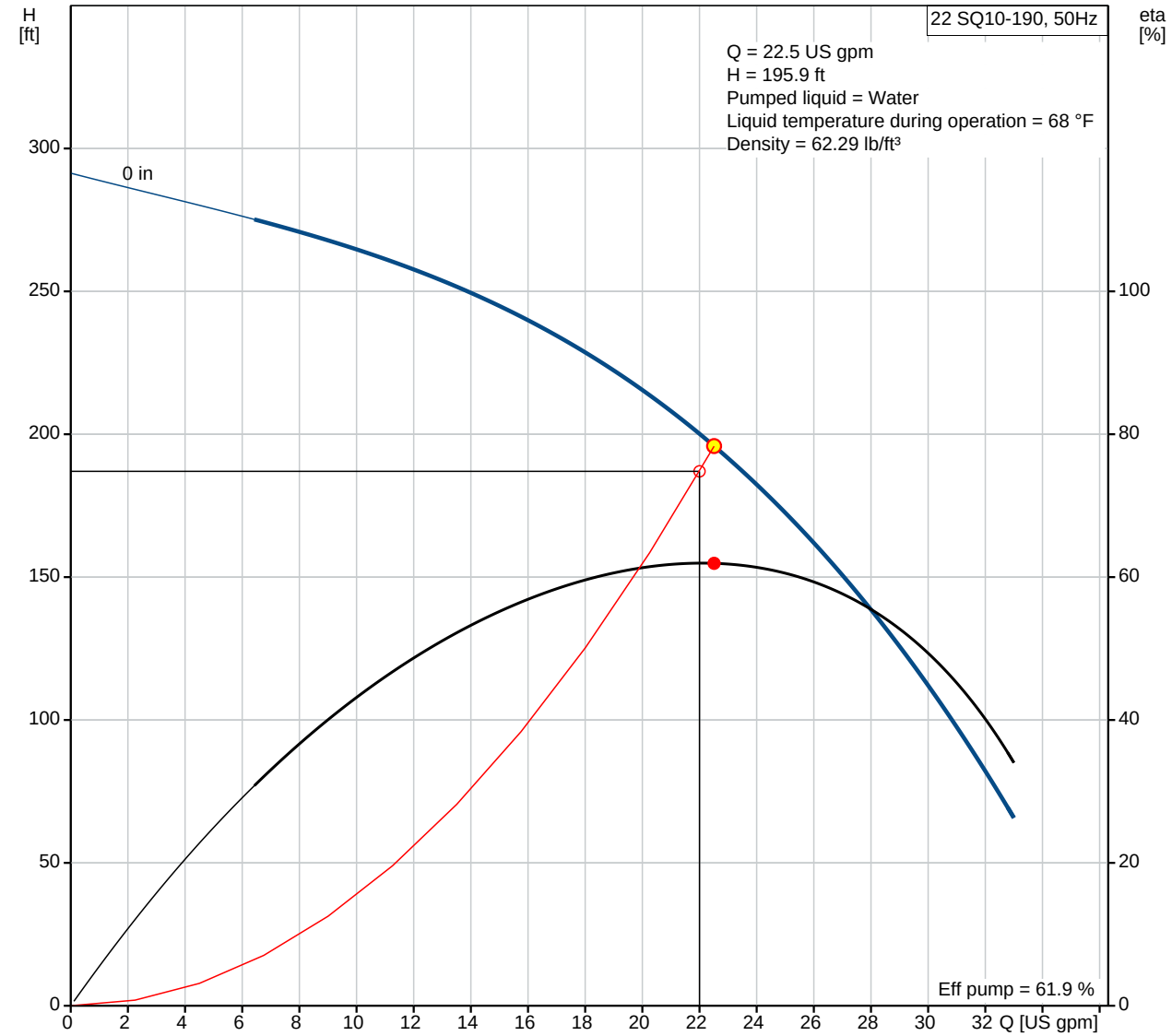
Authorized distributor
miamipumpandsupply.com · 844-MIA-PUMP (642-7867)

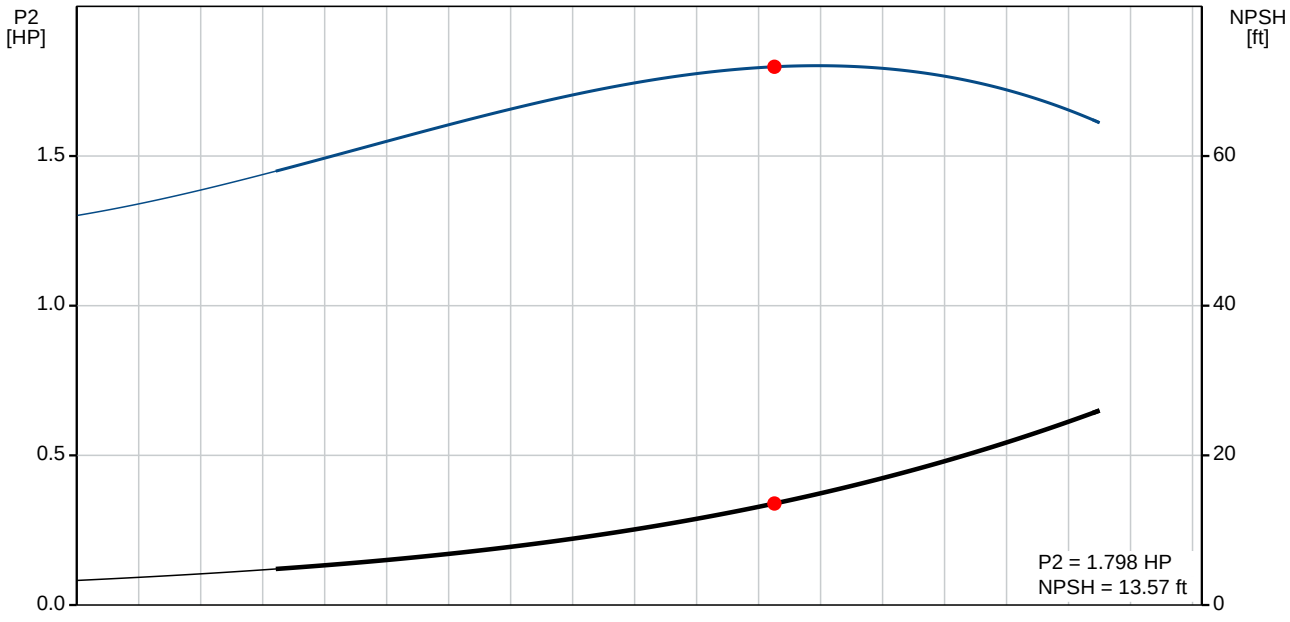
GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

96160157 22 SQ10-190 50 Hz





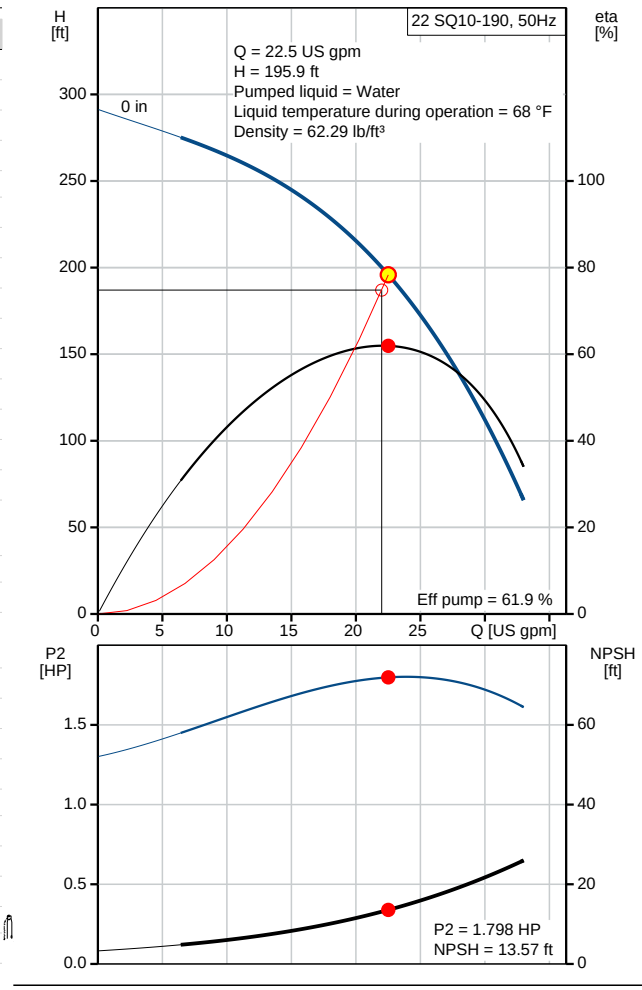
Authorized distributor
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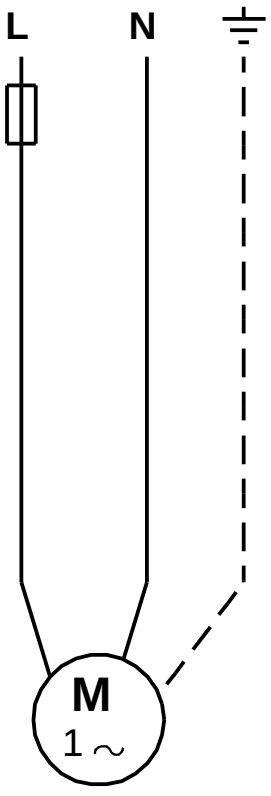
GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Description	Value
General information:	
Product name:	22 SQ10-190
Product No.:	96160157
EAN:	5700398694540
Technical:	
Speed for pump data:	10700 rpm
Actual calculated flow:	22.5 US gpm
Resulting head of the pump:	195.9 ft
Stages:	5
Approvals on nameplate:	UL, cUL
Approvals on motor nameplate:	UL,CUL
Curve tolerance:	ISO9906:2012 3B
Pump Number:	96397386
Model:	B
Valve:	pump with built-in non-return valve
Materials:	
Pump:	Polyethylene / Stainless steel
	DIN W.-Nr. 1.4301
Motor:	Stainless steel
	1.4301 EN
	AISI 304
Installation:	
Pump outlet:	NPT 1 1/2
Minimum borehole diameter:	2.99 in
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	95 °F
Max liquid temperature at 0.15 m/sec:	95 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor type:	MS3
Power input - P1:	2.32 kW
Rated power - P2:	2.253 HP
Main frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current:	11.2 A
Power factor:	1,00
Rated speed:	10700 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Motor protection:	Y
Thermal protec:	internal
Length of cable:	4.922 ft
Motor Number:	96160537
Controls:	
CU 300/CU 301:	no communication possible
Others:	
Sales region:	Namreg





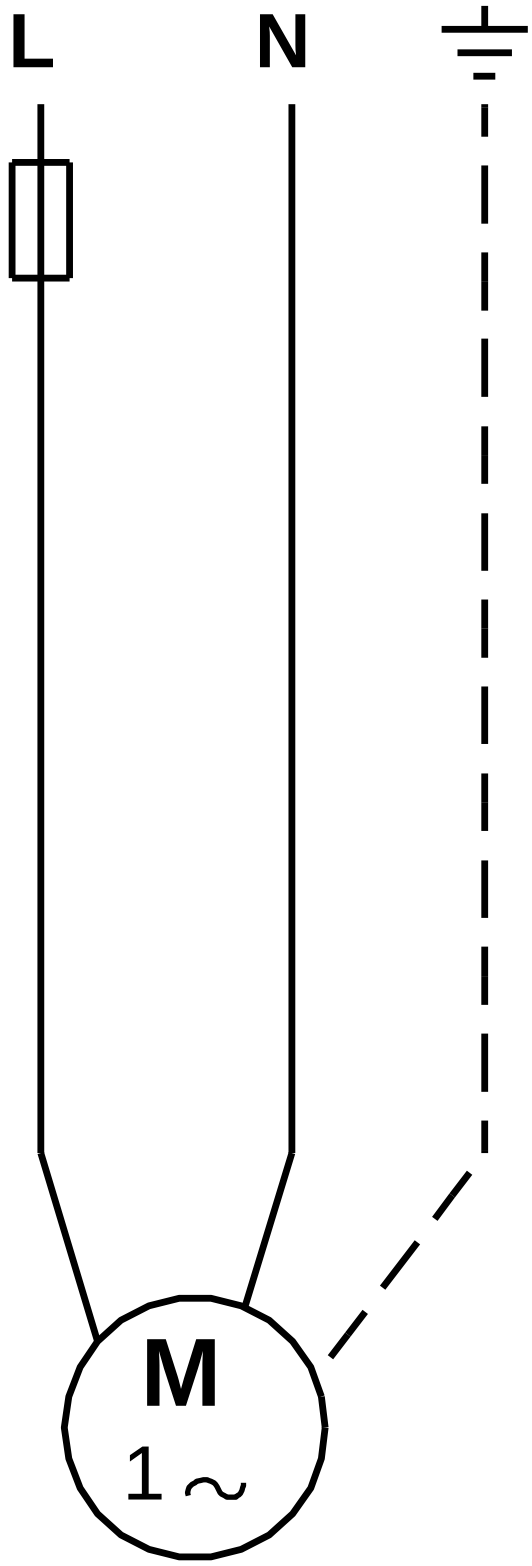
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GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

96160157 22 SQ10-190 50 Hz



All units are [mm] unless otherwise presented.

Authorized distributor
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Company name:
Created by:
Phone:

Date: 2/22/2018

Order Data:

Product name: 22 SQ10-190
Amount: 1
Product No.: 96160157

Total: Price on request

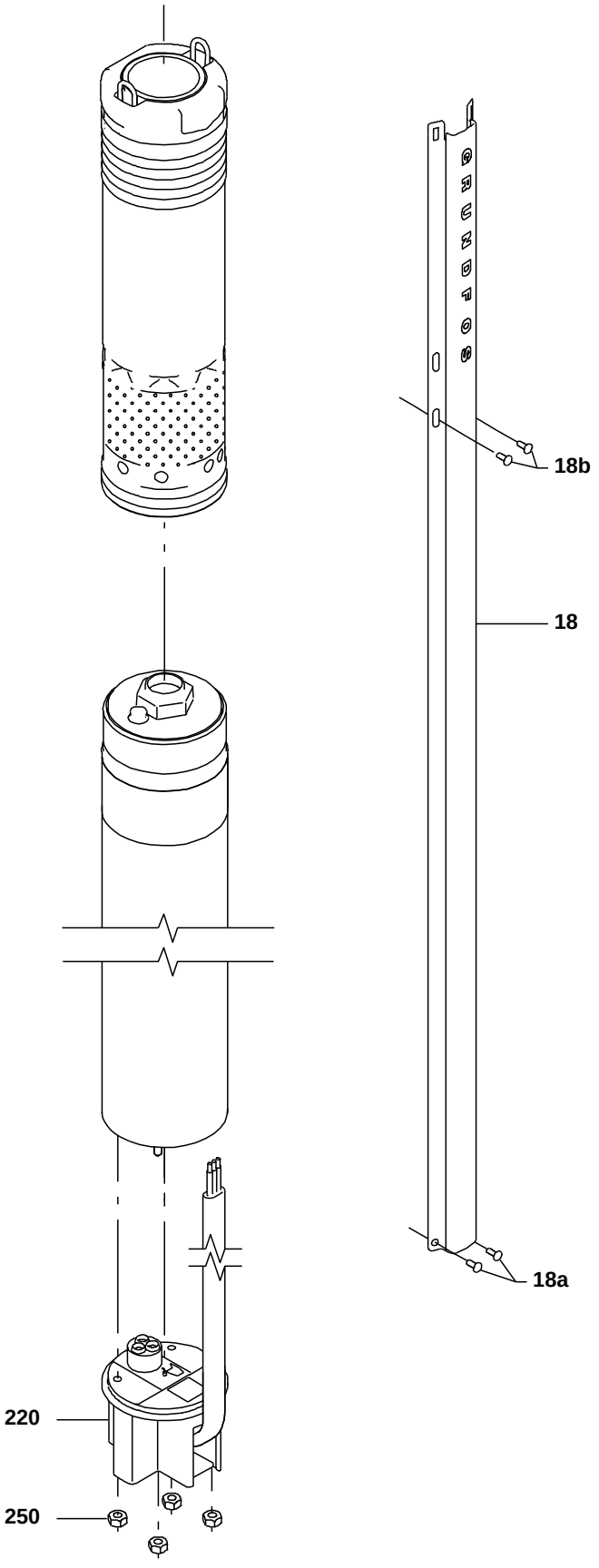
Authorized distributor
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GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Exploded view (tm021901 2401)



TM021901

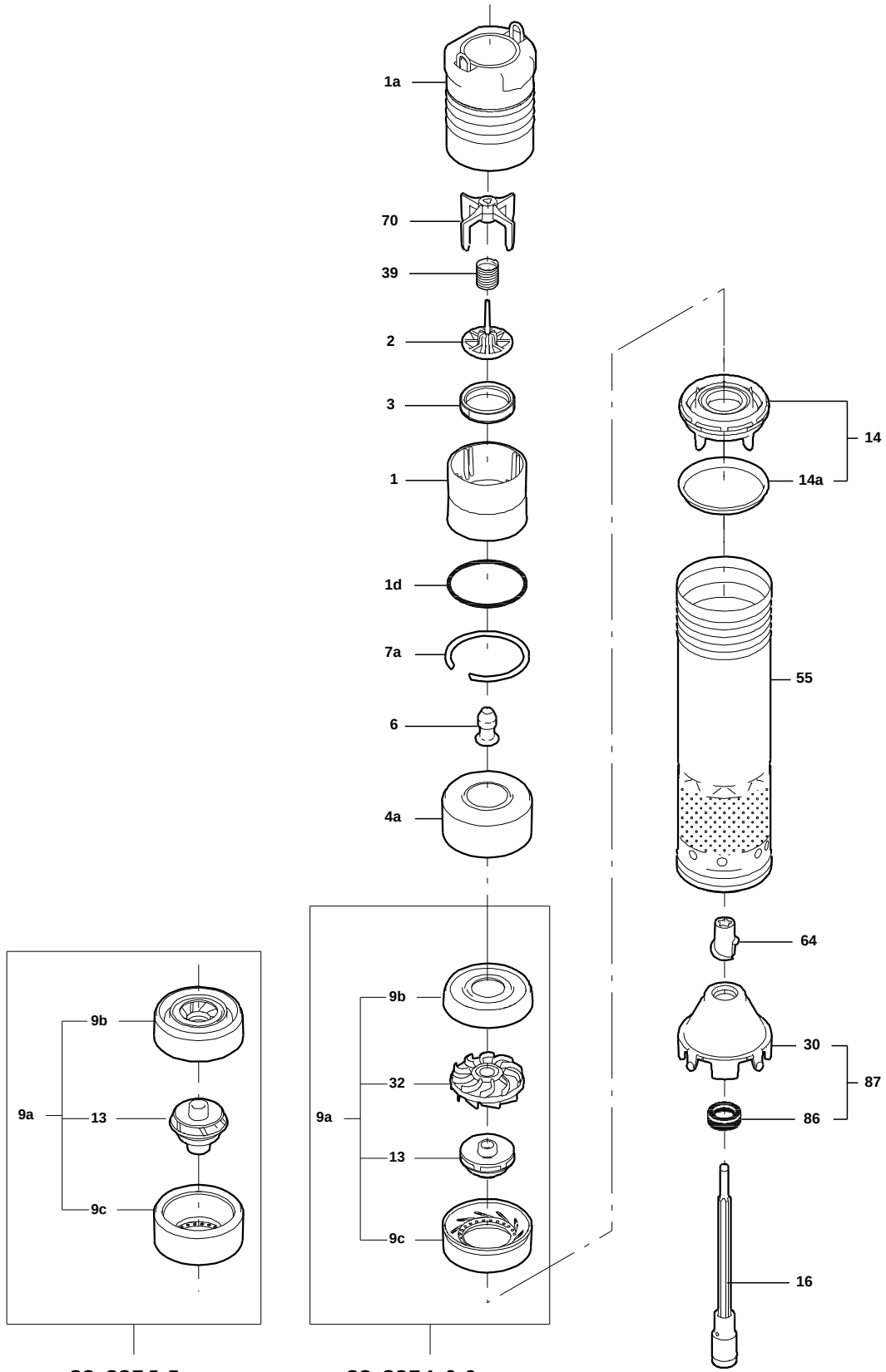
Authorized distributor
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GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Exploded view (tm024206 0202)



TM024206

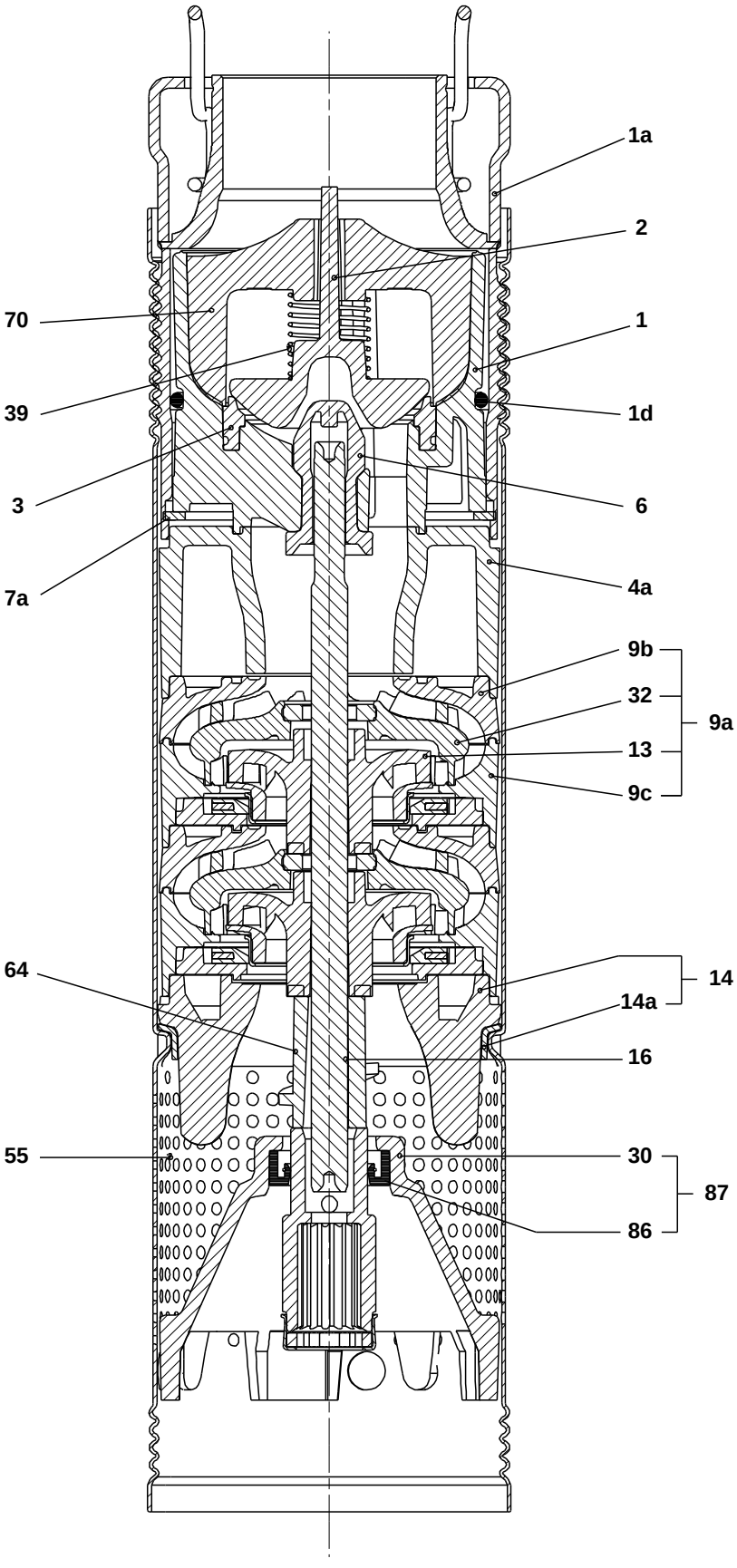
Authorized distributor
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GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Sectional drawing (tm024207 0202)

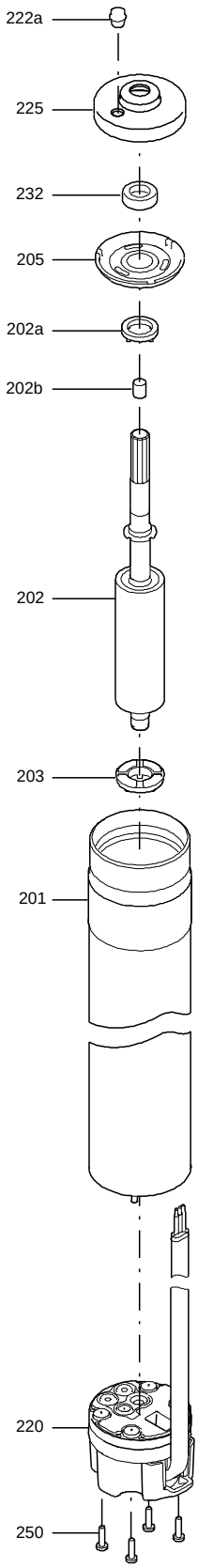


TM024207

Company name:
Created by:
Phone:

Date: 2/22/2018

Exploded view (TM012016 3504)



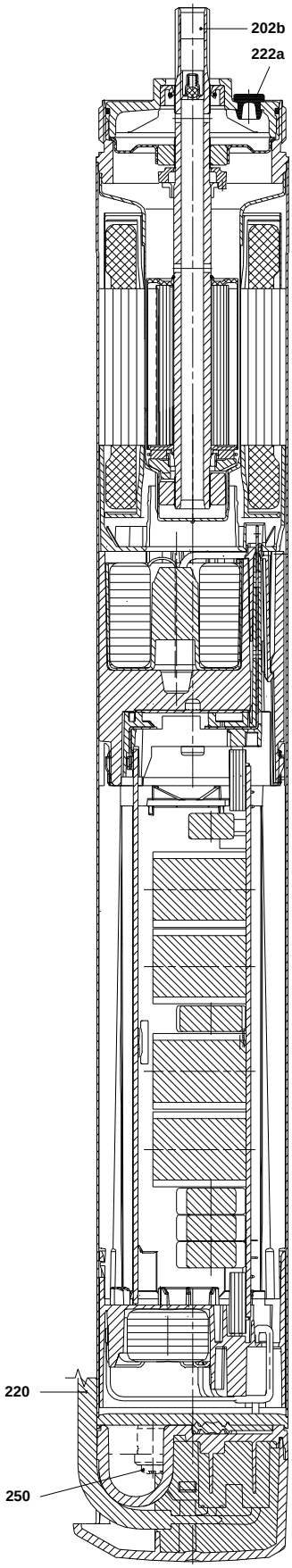
TM012016

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Sectional drawing (TM038215)



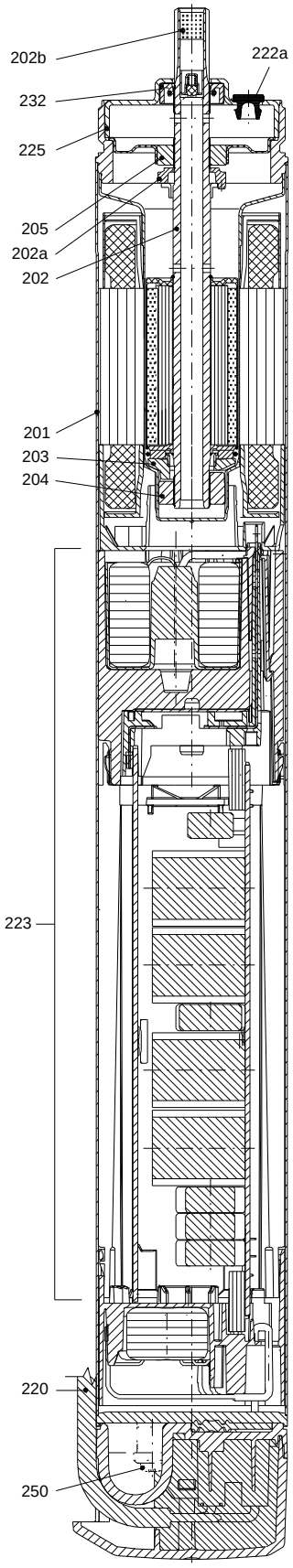
Authorized distributor
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GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Sectional drawing (TM011953 3504)



TM011953

Authorized distributor
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GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/22/2018

Parts list 22 SQ10-190, Prod number 96160157
Valid from 3.12.2012 (1249)

Position	Description	Annotation	Classification data	Part No.	Count	Unit
-	Pump w/o motor				1	pcs
1a	Discharge chamber		Thread: NPT 1 1/2"		1	
16	Shaft cpl.		Length: 286,6		1	
55	Pump sleeve				1	
-	Motor				1	pcs
	Cable w/plug				1	
250	Pan head screw				4	
18	Rail for cable guard				1	pcs