

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

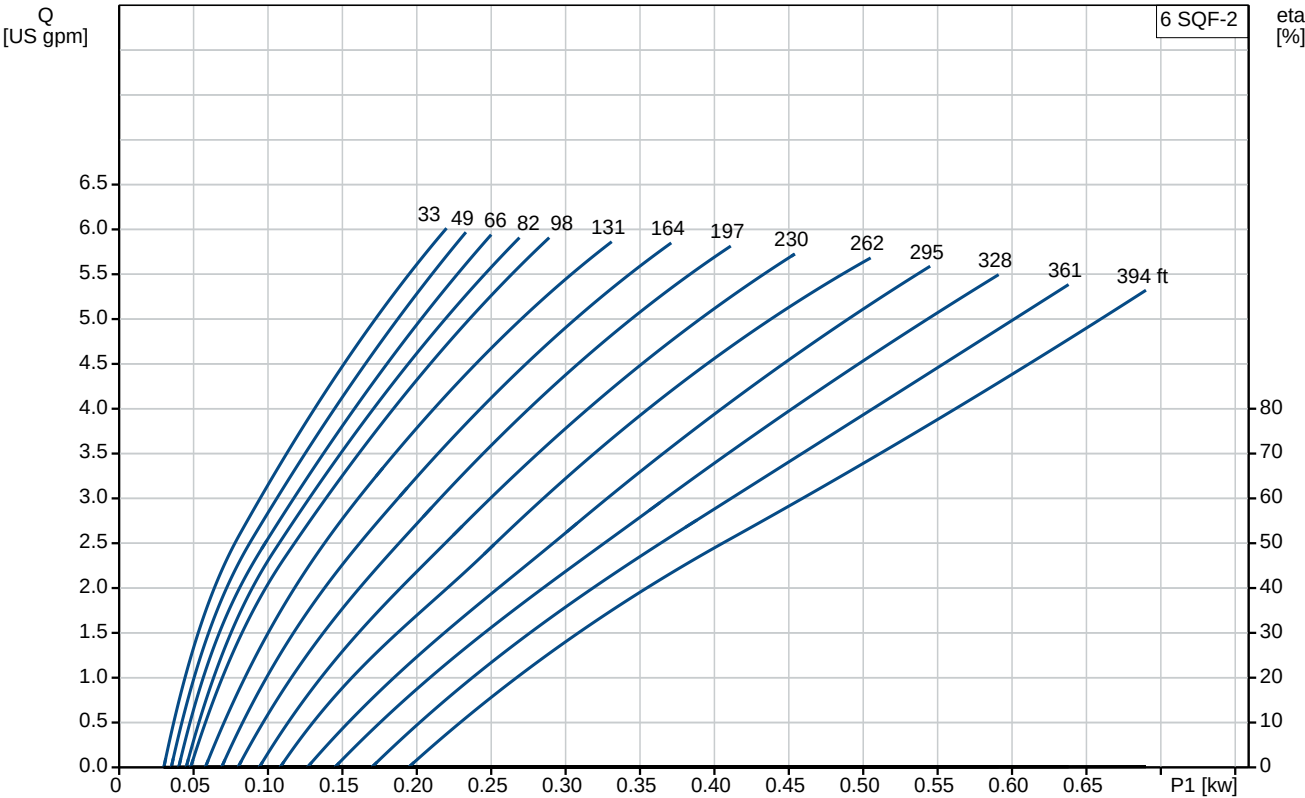


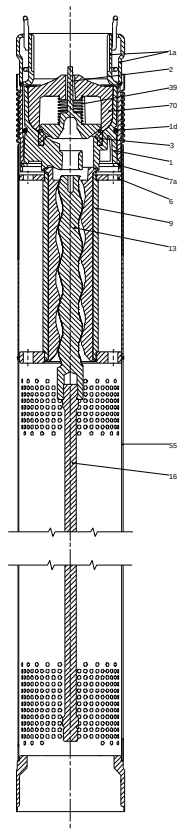
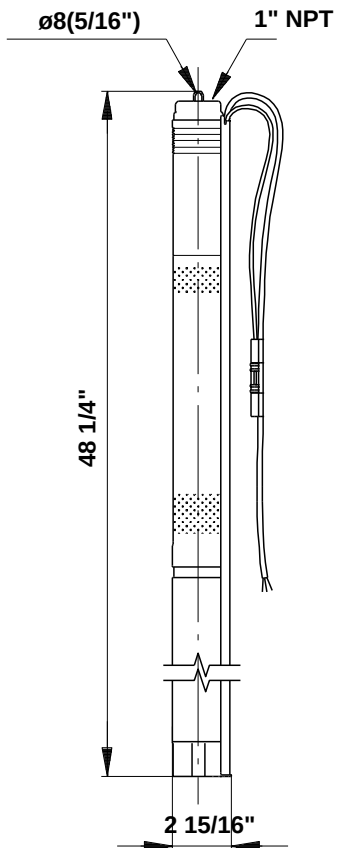
6 SQF-2

Renewable energy submersible pumps with built in inverter for solar, wind and AC powersource. Runs on both AC and DC voltage

Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: _____	Approvals motor: CE,RCM,EAC	Enclosure class: IP68
Head: _____	Product number: 95027334	Insulation class: F
Efficiency: _____		Motor protection: Y
Liquid: Water		Thermal protection: internal
Temperature: 68 °F		Motor type: MSF3
NPSH required: ft		
Viscosity: _____		
Specific Gravity: 1.000		





Materials:

- Pump: Stainless steel
DIN W.-Nr. 1.4301
AISI 304
- Impeller: DIN W.-Nr. 1.4301
- Rotor: Stainless steel
DIN W.-Nr. 1.4301
AISI 304
- Stator: Stainless steel / EPDM
DIN W.-Nr. 1.4301
AISI 304

Tender Text



Product photo could vary from the actual product

Product No.: [95027334](#)

6 SQF-2

The 3" SQFlex pump with helical rotor is for high heads and low flow rates.

The SQFlex system is a reliable water supply system based on renewable energy sources, such as solar and wind energy.

Thanks to its flexible energy supply and performance, the SQFlex system can be combined and adapted to meet any need on the installation site.

The SQFlex system has a wide voltage range, built-in maximum power point tracking (MPPT) as well as dry-running, voltage and overload protection.

Liquid:

Pumped liquid: Water
Maximum liquid temperature: 104 °F
Liquid temperature during operation: 68 °F
Density: 62.29 lb/ft³

Technical:

Approvals on motor nameplate: CE,RCM,EAC

Materials:

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

Installation:

Maximum ambient pressure: 218 psi
Pump outlet: 1 NPT"
Minimum borehole diameter: 2.99 in

Electrical data:

Motor type: MSF3
Power input - P1: 1.4 kW
Rated voltage AC: 1 x 90-240 V
Rated voltage DC: 30-300 V
Rated current: 8.4 A
Power factor: 1,0
Rated speed: 500-3600 rpm
Start. method: direct-on-line
Enclosure class (IEC 34-5): IP68



Company name:

Created by:

Phone:

Date:

2/22/2018

Insulation class (IEC 85): F
Length of cable: 6.562 ft
Udc: 300 V
30 V

Others:

Minimum efficiency index, MEI $\geq$: --
Net weight: 17.4 lb
Gross weight: 21.4 lb
Shipping volume: 0.85 ft³

Position	Count	Description
	1	6 SQF-2  Product photo could vary from the actual product Product No.: 95027334 The 3" SQFlex pump with helical rotor is for high heads and low flow rates. The SQFlex system is a reliable water supply system based on renewable energy sources, such as solar and wind energy. Thanks to its flexible energy supply and performance, the SQFlex system can be combined and adapted to meet any need on the installation site. The SQFlex system has a wide voltage range, built-in maximum power point tracking (MPPT) as well as dry-running, voltage and overload protection. Liquid: Pumped liquid: Water Maximum liquid temperature: 104 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft³ Technical: Approvals on motor nameplate: CE,RCM,EAC Materials: Pump: Stainless steel DIN W.-Nr. 1.4301 AISI 304 Impeller: DIN W.-Nr. 1.4301 Installation: Maximum ambient pressure: 218 psi Pump outlet: 1 NPT" Minimum borehole diameter: 2.99 in Electrical data: Motor type: MSF3 Power input - P1: 1.4 kW Rated voltage AC: 1 x 90-240 V Rated voltage DC: 30-300 V Rated current: 8.4 A Power factor: 1,0 Rated speed: 500-3600 rpm Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Length of cable: 6.562 ft



Company name:

Created by:

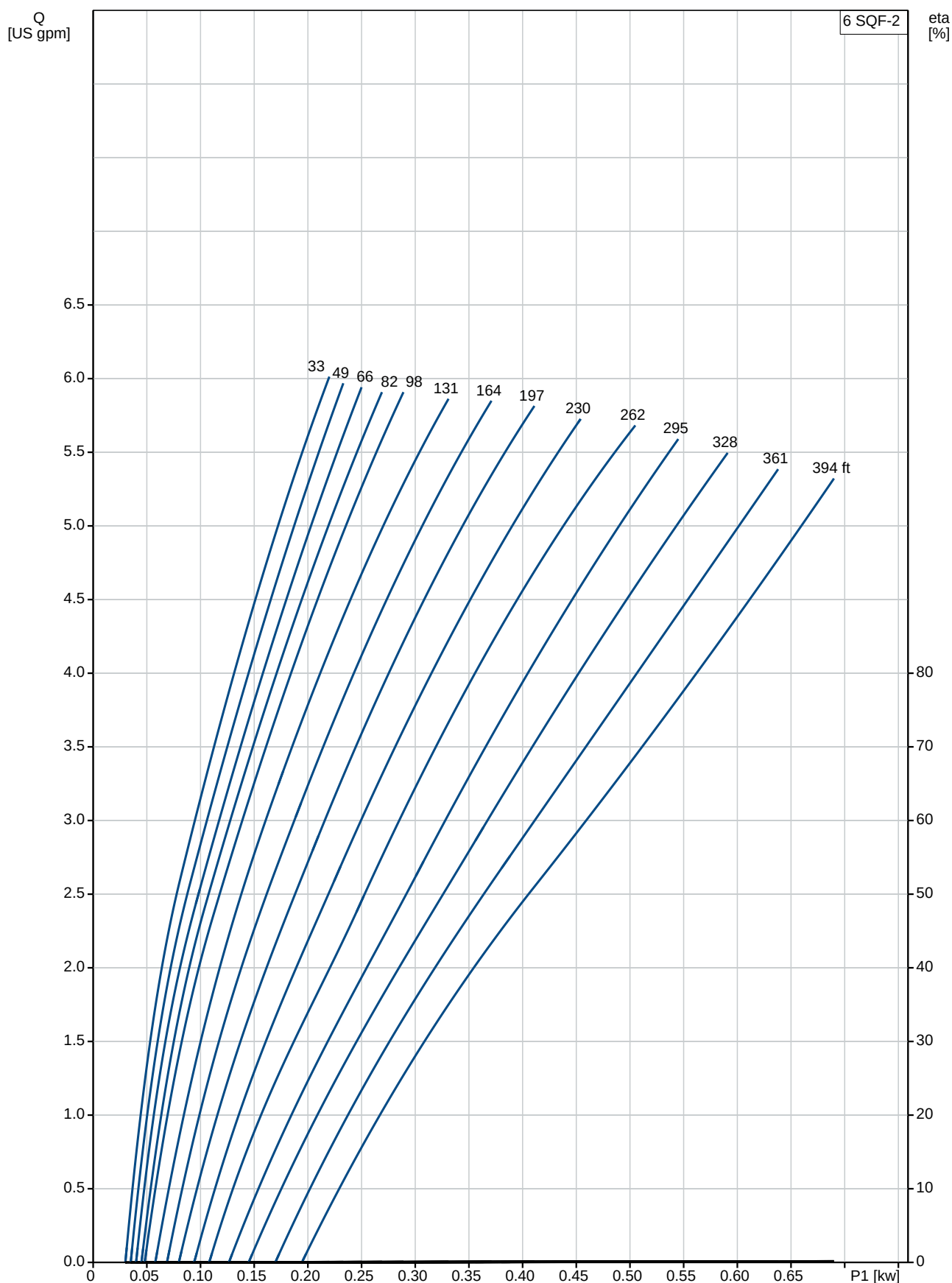
Phone:

Date:

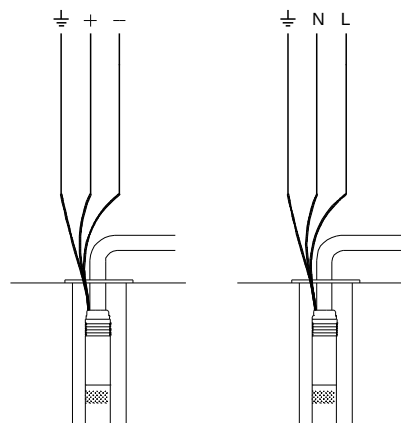
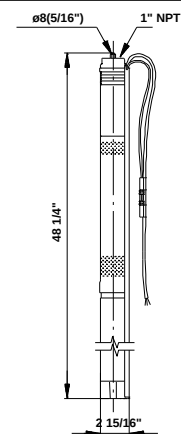
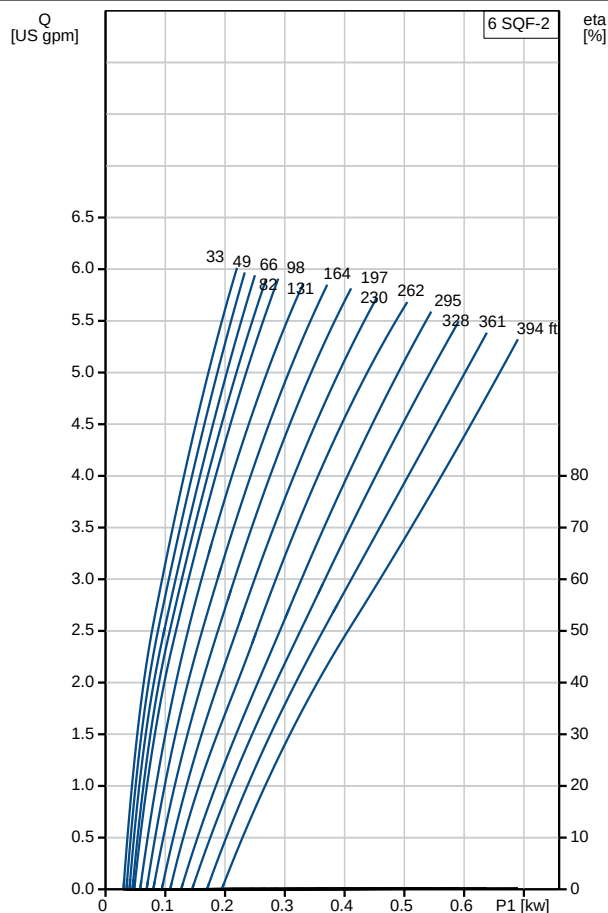
2/22/2018

Position	Count	Description
		Udc: 300 V 30 V
		Others: Minimum efficiency index, MEI ≥: -- Net weight: 17.4 lb Gross weight: 21.4 lb Shipping volume: 0.85 ft ³

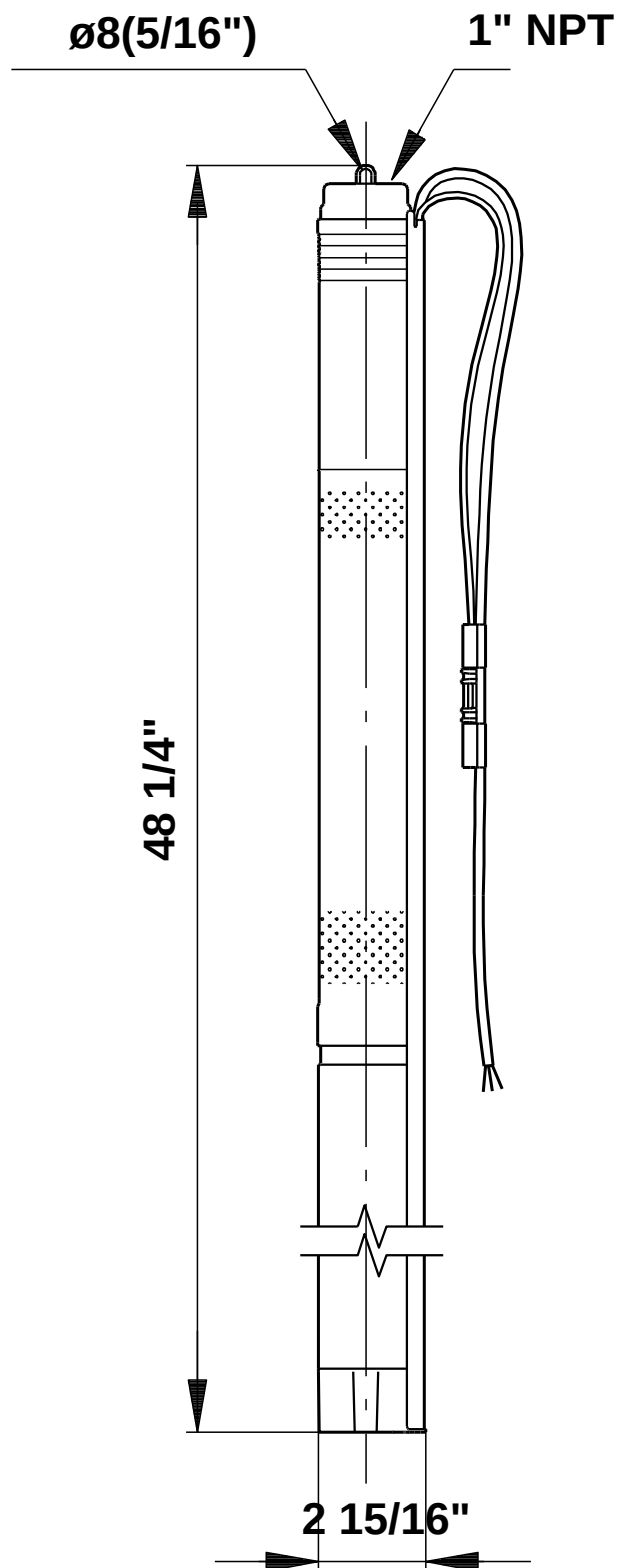
95027334 6 SQF-2 50 Hz



Description	Value
General information:	
Product name:	6 SQF-2
Product No.:	95027334
EAN:	5700834791796
Technical:	
Stages:	2
Approvals on motor nameplate:	CE,RCM,EAC
Pump Number:	95027413
Valve:	pump with built-in non-return valve
Materials:	
Pump:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Impeller:	DIN W.-Nr. 1.4301
Rotor:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Stator:	Stainless steel / EPDM
	DIN W.-Nr. 1.4301
	AISI 304
Installation:	
Maximum ambient pressure:	218 psi
Pump outlet:	1 NPT"
Minimum borehole diameter:	2.99 in
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	104 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor type:	MSF3
Power input - P1:	1.4 kW
Rated voltage AC:	1 x 90-240 V
Rated voltage DC:	30-300 V
Rated current:	8.4 A
Power factor:	1,0
Rated speed:	500-3600 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:	6.562 ft
Motor Number:	98163731
Udc:	300 V
	30 V
Others:	
Minimum efficiency index, MEI ≥:	---
Net weight:	17.4 lb
Gross weight:	21.4 lb
Shipping volume:	0.85 ft³
Sales region:	North America

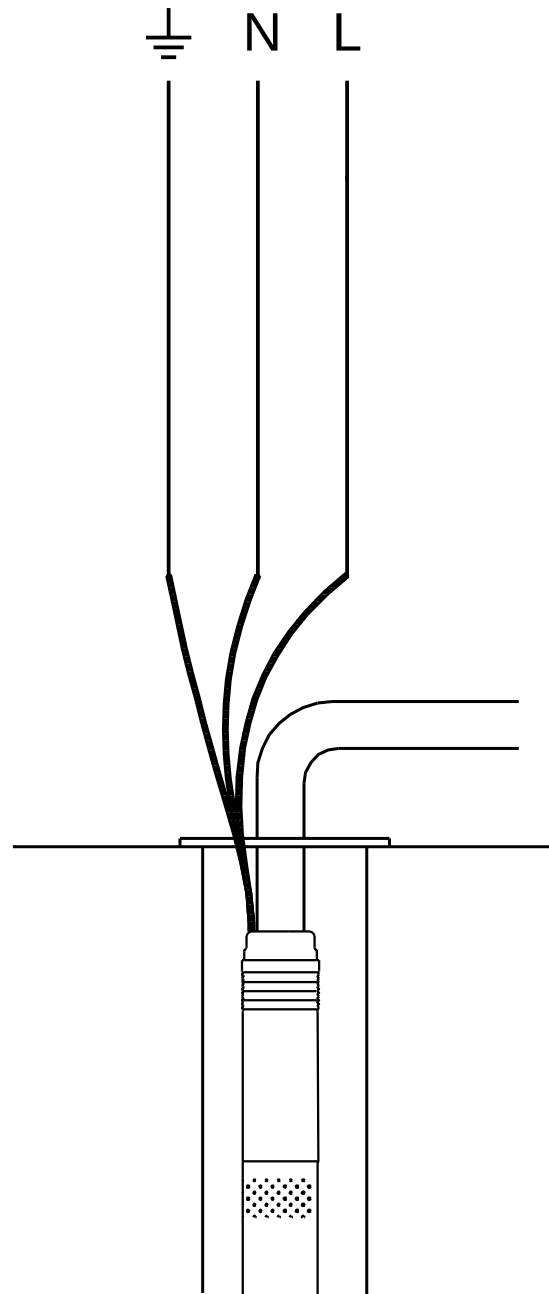
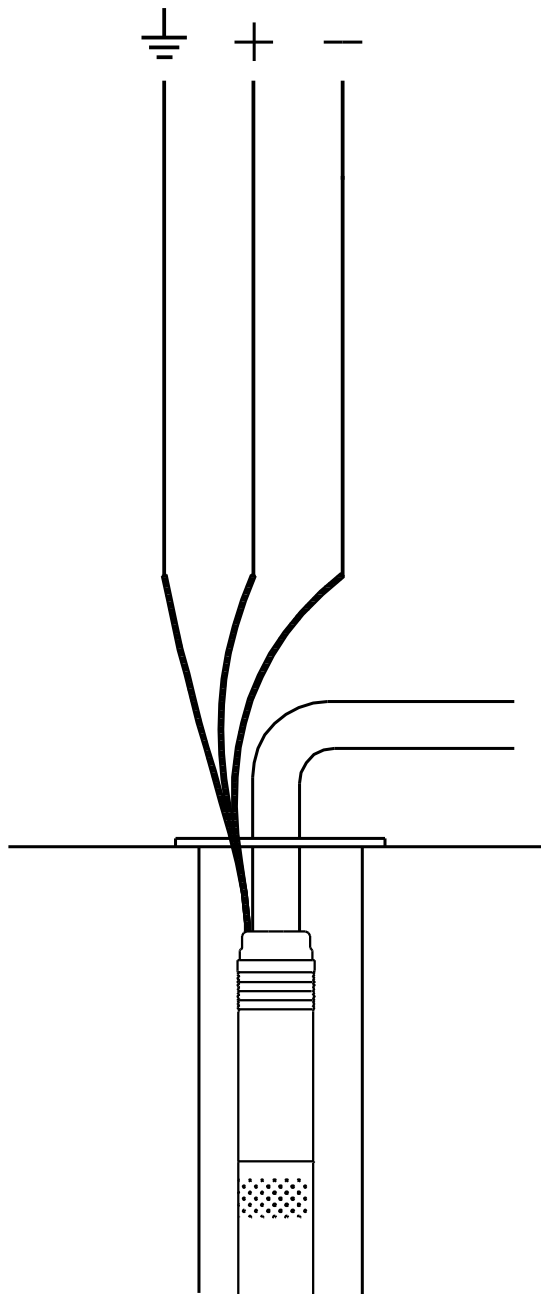


95027334 6 SQF-2 50 Hz



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

95027334 6 SQF-2 50 Hz





Company name:

Created by:

Phone:

Date:

2/22/2018

Order Data:

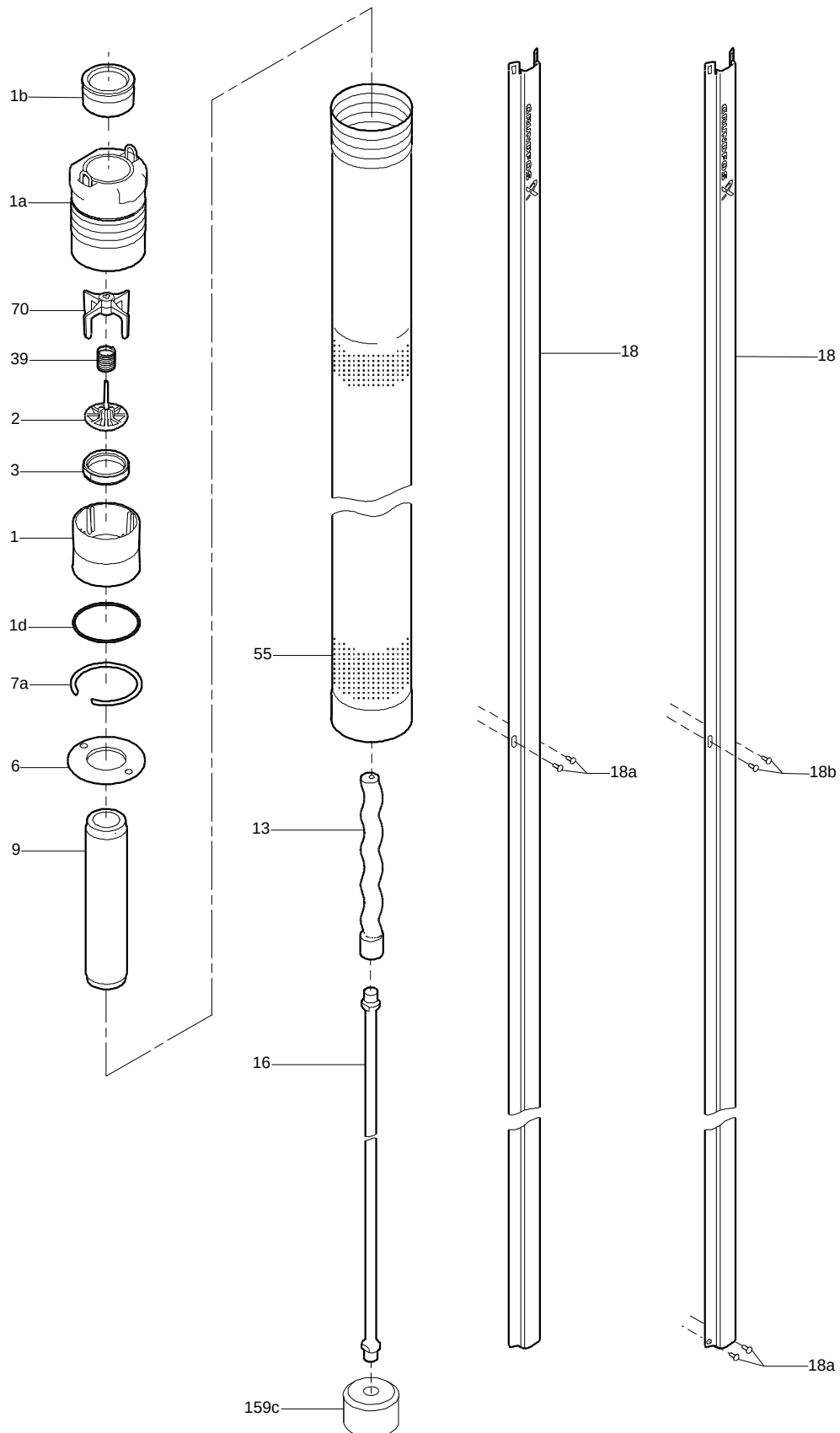
Product name: 6 SQF-2

Amount: 1

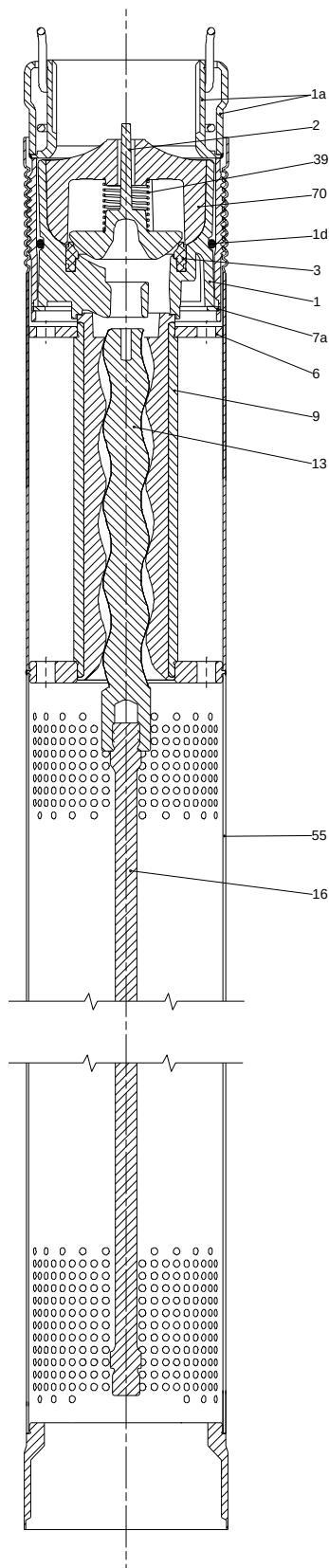
Product No.: 95027334

Total: Price on request

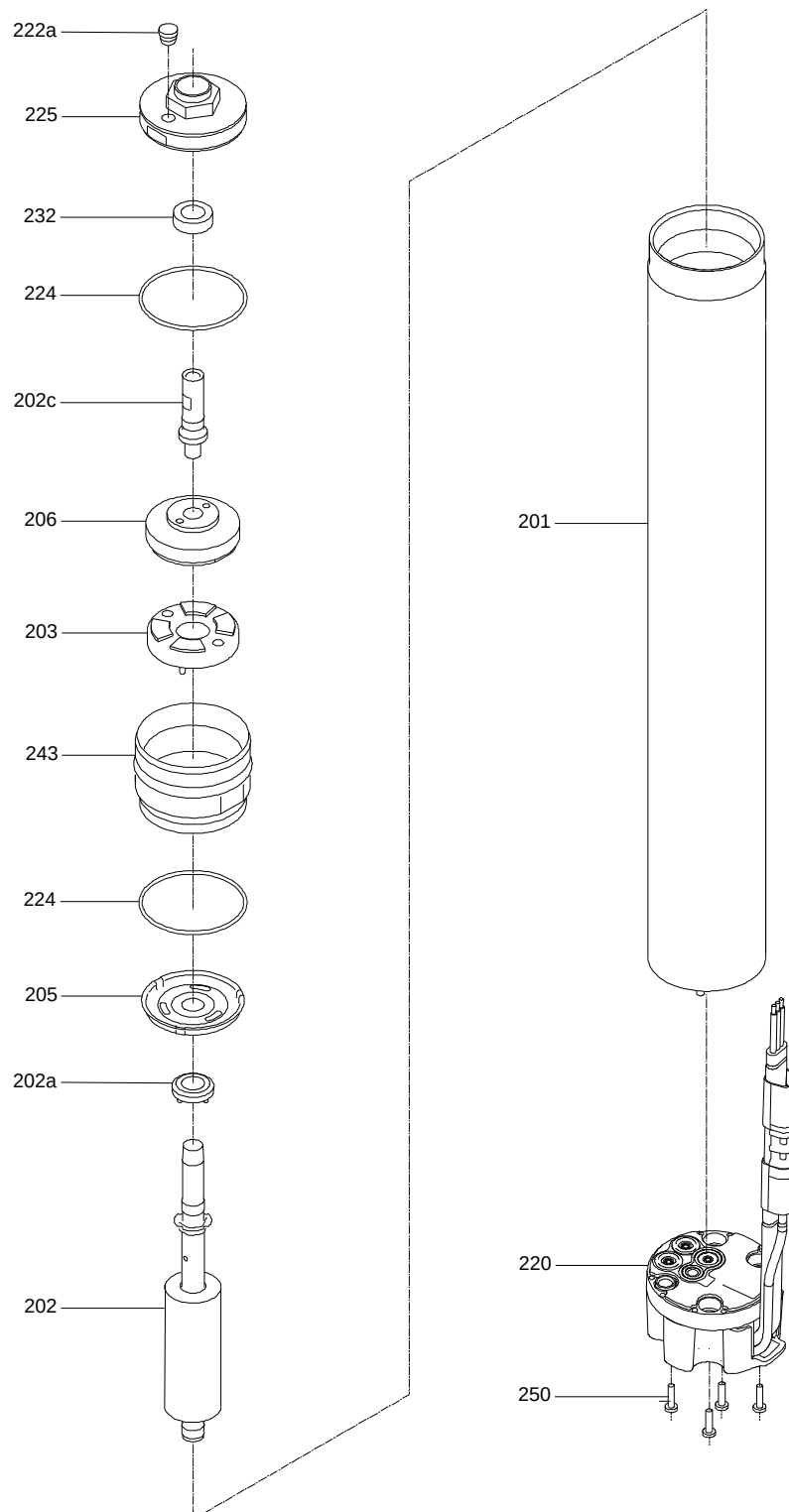
Exploded view (TM043306)



Sectional drawing (tm022213 3901)



Exploded view (TM043307)



Service parts 6 SQF-2, Prod number 95027334

Valid from 2.7.2012 (1227)

Position	Description	Annotation	Classification data	Part No.	Count	Unit
-	Pump w/o motor				1	pcs
-	Kit, cable guard			95048656	1	
18a	Pan head tapping screw					
18	Cable guard					
-	Kit, hydraulic parts			96477056	1	
6	Flange					
9	Pump stator					
13	Pump rotor					
-	Kit, non-return valve			96477052	1	
-	Valve flap cpl.					
2	Valve cup					
39	Compression spring					
-	Valve casing					
1d	O-ring					
1	Valve casing					
3	Valve seat					
7a	Retaining ring					
70	Valve guide					
-	Kit, sand slinger			96773222	1	
	Sand slinger					
-	Kit, screws			96037388	1	
18a	Pan head tapping screw					
18a	Pan head screw					
18a	Screw		Length: 10 Thread: K35			
250	Nut					
-	Kit, sleeve			96915656	1	
55	Pump sleeve					
-	Kit, torsion shaft			96477060	1	
16	Shaft					
-	Motor				1	pcs
-	Kit, bearing			96773223	1	
	Shaft					
202a	Stop ring					
203	Thrust bearing part stationary					
205	Radial bearing, upper					
206	Thrust bearing part, rotating					
222a	Filling plug					
232	Lip seal ring					
-	Kit, cable			97778359	1	
220	Power Supply					
-	Kit, rotor			96773228	1	
202	Shaft w/rotor					
-	Kit, thrust bearing			96773224	1	
224	O-ring		Diameter: 58 Material type: NBR Thickness: 2			
243	Thrust bearing housing					
-	Kit, top cover			96773227	1	
222a	Filling plug					
224	O-ring		Diameter: 58 Material type: NBR Thickness: 2			



Company name:

Created by:

Phone:

Date: 2/22/2018

Position	Description	Annotation	Classification data	Part No.	Count	Unit
225	Top cover					
232	Lip seal ring					