

Tender Text



Product photo could vary from the actual product

Product No.: [14B74501](#)

300S50-1

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

The pump is made entirely of Stainless steel DIN W.-Nr. EN 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
Liquid temperature during operation: 68 °F
Density: 62.29 lb/ft³

Technical:

Speed for pump data: 3450 rpm
Actual calculated flow: 318 US gpm
Resulting head of the pump: 29.7 ft
Shaft seal for motor: HM/CER
Approvals on nameplate: CE,EAC,CSA
Curve tolerance: ISO9906:2012 3B
Motor version: T40

Materials:

Pump: Stainless steel
EN 1.4301
AISI 304
Impeller: Stainless steel
EN 1.4301
AISI 304
Motor: Stainless steel
1.4301 EN
AISI 304

Installation:

Maximum ambient pressure: 870 psi
Pump outlet: 3"NPT
Motor diameter: 4 inch



Company name:

Created by:

Phone:

Date:

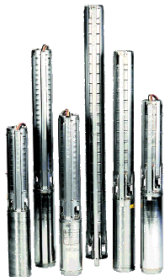
2/22/2018

Electrical data:

Motor type:	MS4000
Type of motor:	CSCR
Rated power - P2:	5 HP
Main frequency:	60 Hz
Rated voltage:	1 x 230 V
Service factor:	1,15
Rated current:	27.5 A
Starting current:	400 %
Cos phi - power factor:	0.92
Rated speed:	3450 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Built-in temperature transmitter:	No

Others:

ErP status:	EuP Standalone/Prod.
Net weight:	74.1 lb
Gross weight:	83.8 lb
Shipping volume:	1.84 ft ³

Position	Count	Description
	1	<p>300S50-1</p>  <p>Product photo could vary from the actual product</p> <p>Product No.: 14B74501</p> <p>Multi-stage submersible pump for raw water supply, groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-aggressive liquids without solid particles or fibers.</p> <p>The pump is made entirely of Stainless steel DIN W.-Nr. EN 1.4301 and suitable for horizontal and vertical installation. The pump is fitted with a built-in non-return valve.</p> <p>The motor is a 1-phase motor of the canned type with a sand shield, liquid-lubricated bearings and pressure-equalizing diaphragm.</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Maximum liquid temperature: 104 °F</p> <p>Liquid temperature during operation: 68 °F</p> <p>Density: 62.29 lb/ft³</p> <p>Technical:</p> <p>Speed for pump data: 3450 rpm</p> <p>Actual calculated flow: 318 US gpm</p> <p>Resulting head of the pump: 29.7 ft</p> <p>Shaft seal for motor: HM/CER</p> <p>Approvals on nameplate: CE,EAC,CSA</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p>Motor version: T40</p> <p>Materials:</p> <p>Pump: Stainless steel EN 1.4301 AISI 304</p> <p>Impeller: Stainless steel EN 1.4301 AISI 304</p> <p>Motor: Stainless steel 1.4301 EN AISI 304</p> <p>Installation:</p> <p>Maximum ambient pressure: 870 psi</p> <p>Pump outlet: 3"NPT</p> <p>Motor diameter: 4 inch</p> <p>Electrical data:</p>



Company name:

Created by:

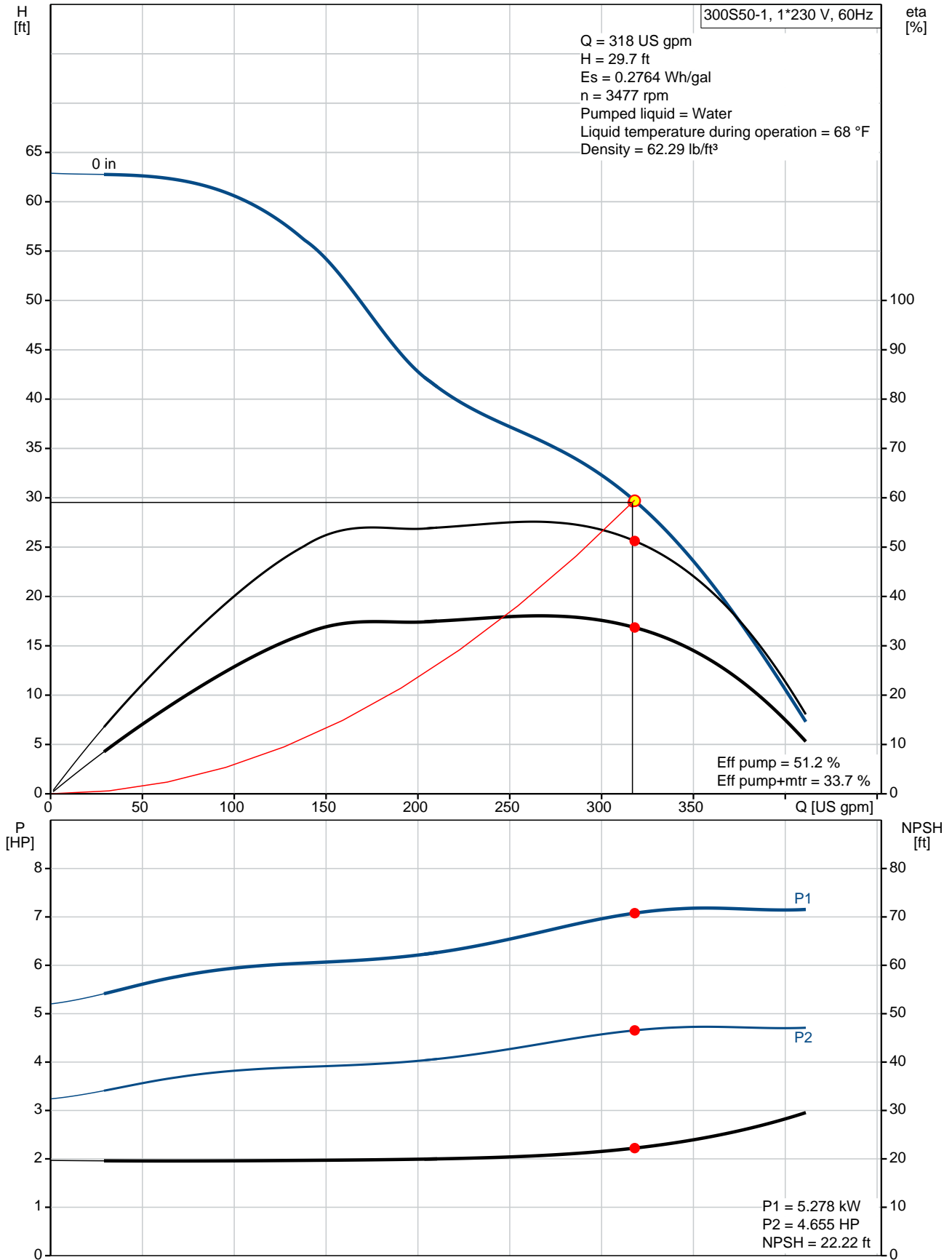
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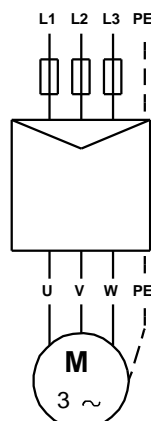
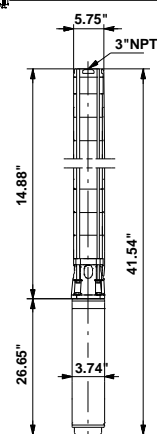
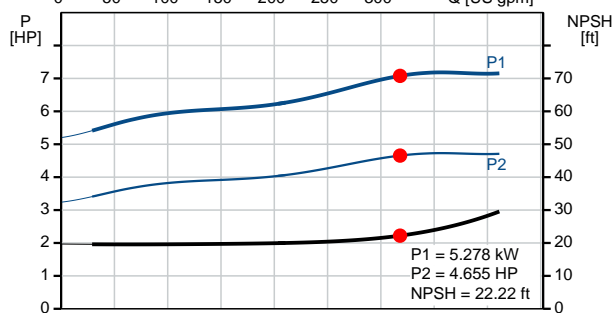
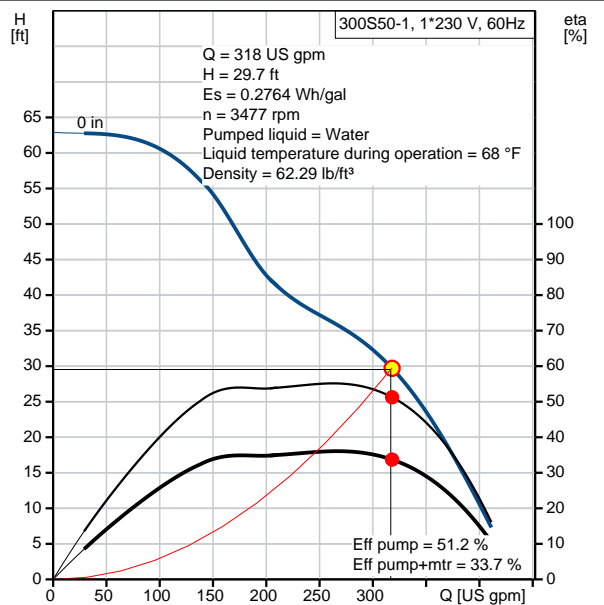
2/22/2018

Position	Count	Description
		<div>Motor type: MS4000</div> <div>Type of motor: CSCR</div> <div>Rated power - P2: 5 HP</div> <div>Main frequency: 60 Hz</div> <div>Rated voltage: 1 x 230 V</div> <div>Service factor: 1,15</div> <div>Rated current: 27.5 A</div> <div>Starting current: 400 %</div> <div>Cos phi - power factor: 0.92</div> <div>Rated speed: 3450 rpm</div> <div>Start. method: direct-on-line</div> <div>Enclosure class (IEC 34-5): IP68</div> <div>Insulation class (IEC 85): F</div> <div>Built-in temperature transmitter: No</div> <div>Others:</div> <div>ErP status: EuP Standalone/Prod.</div> <div>Net weight: 74.1 lb</div> <div>Gross weight: 83.8 lb</div> <div>Shipping volume: 1.84 ft³</div>

14B74501 300S50-1 60 Hz



Description	Value
General information:	
Product name:	300S50-1
Product No.:	14B74501
EAN:	5700394452441
Technical:	
Speed for pump data:	3450 rpm
Actual calculated flow:	318 US gpm
Resulting head of the pump:	29.7 ft
Stages:	1
Impeller reduc.:	NONE
Shaft seal for motor:	HM/CER
Approvals on nameplate:	CE,EAC,CSA
Curve tolerance:	ISO9906:2012 3B
Model:	B
Valve:	YES
Motor version:	T40
Materials:	
Pump:	Stainless steel
	EN 1.4301
	AISI 304
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Motor:	Stainless steel
	1.4301 EN
	AISI 304
Installation:	
Maximum ambient pressure:	870 psi
Pump outlet:	3"NPT
Motor diameter:	4 inch
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	104 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor type:	MS4000
Type of motor:	CSCR
Applic. motor:	GRUNDFOS
Rated power - P2:	5 HP
KVA code:	F
Main frequency:	60 Hz
Rated voltage:	1 x 230 V
Service factor:	1,15
Rated current:	27.5 A
Starting current:	400 %
Cos phi - power factor:	0.92
Rated speed:	3450 rpm
Axial load max:	1500 lb
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Motor protection:	NONE
Thermal protec:	external





Company name:

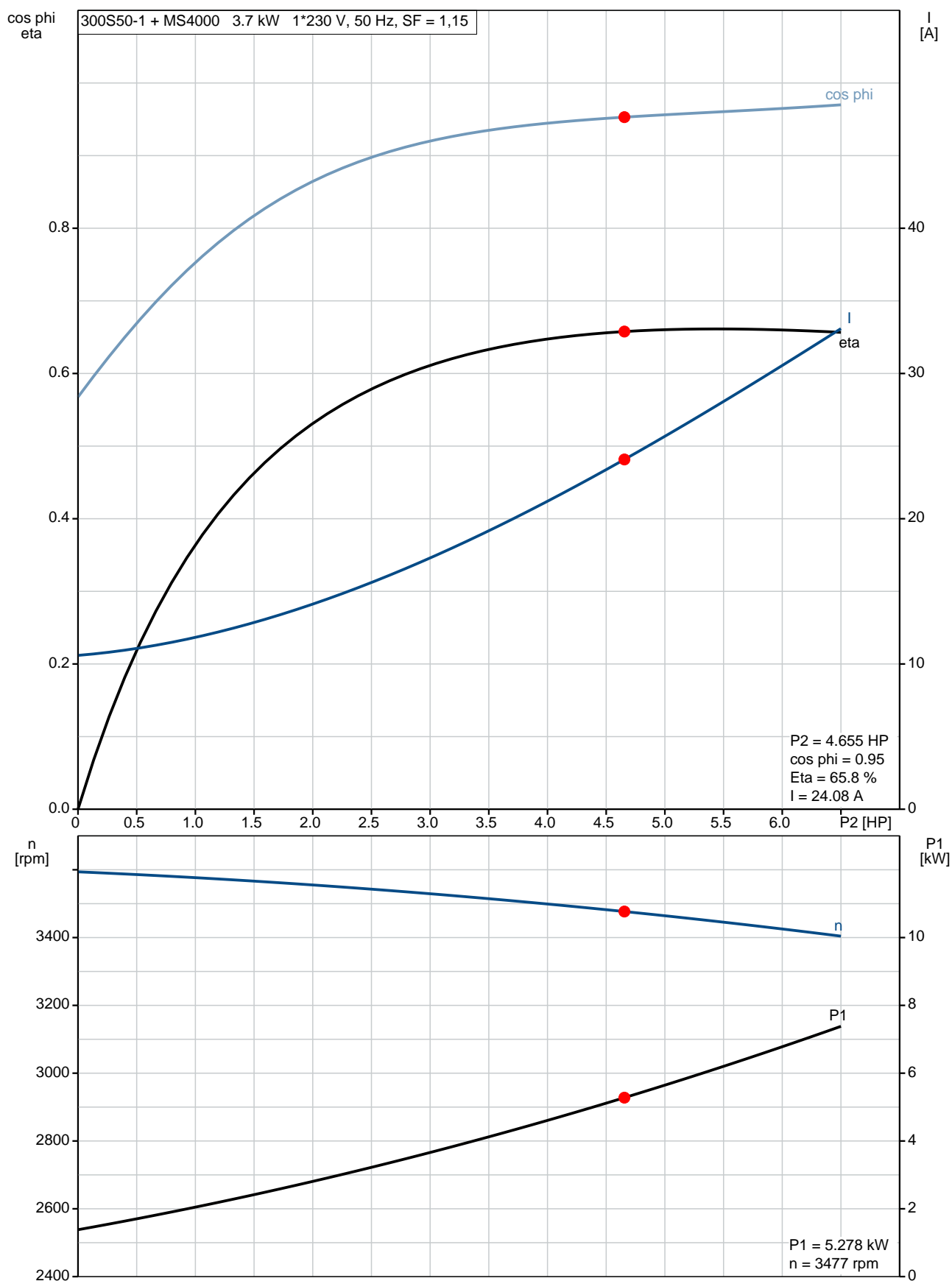
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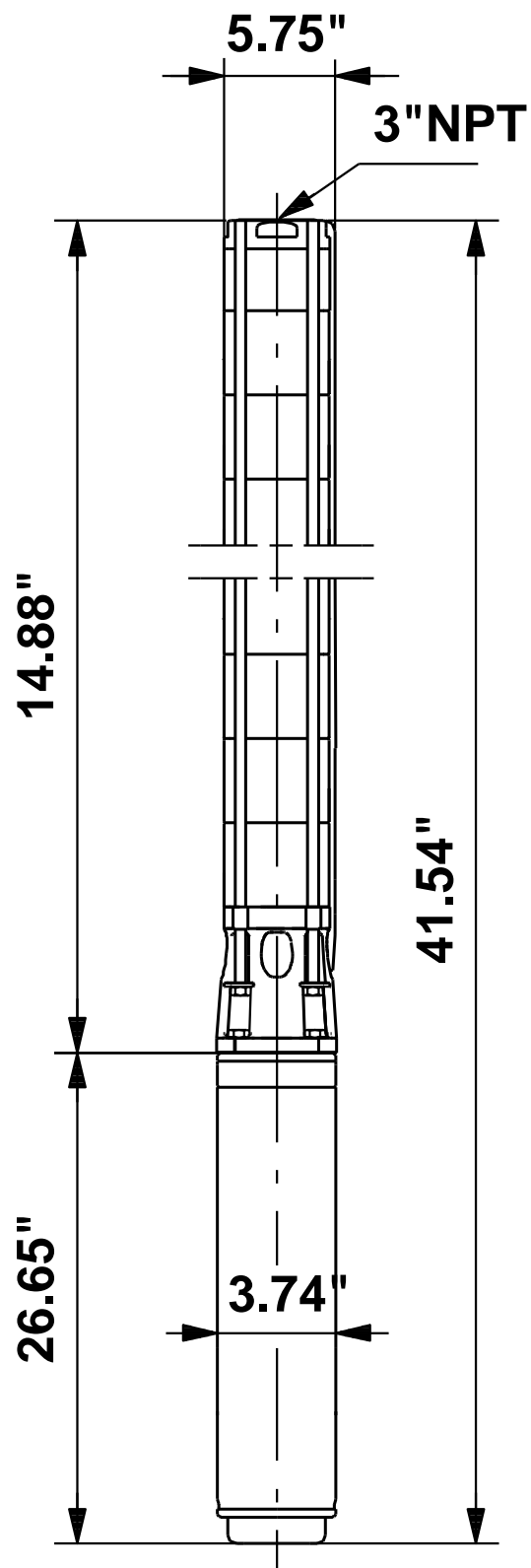
Date: 2/22/2018

Description	Value
Built-in temperature transmitter:	No
Motor Number:	96449949
Cable number:	798887
Others:	
ErP status:	EuP Standalone/Prod.
Net weight:	74.1 lb
Gross weight:	83.8 lb
Shipping volume:	1.84 ft ³
Sales region:	Namreg

14B74501 300S50-1 60 Hz

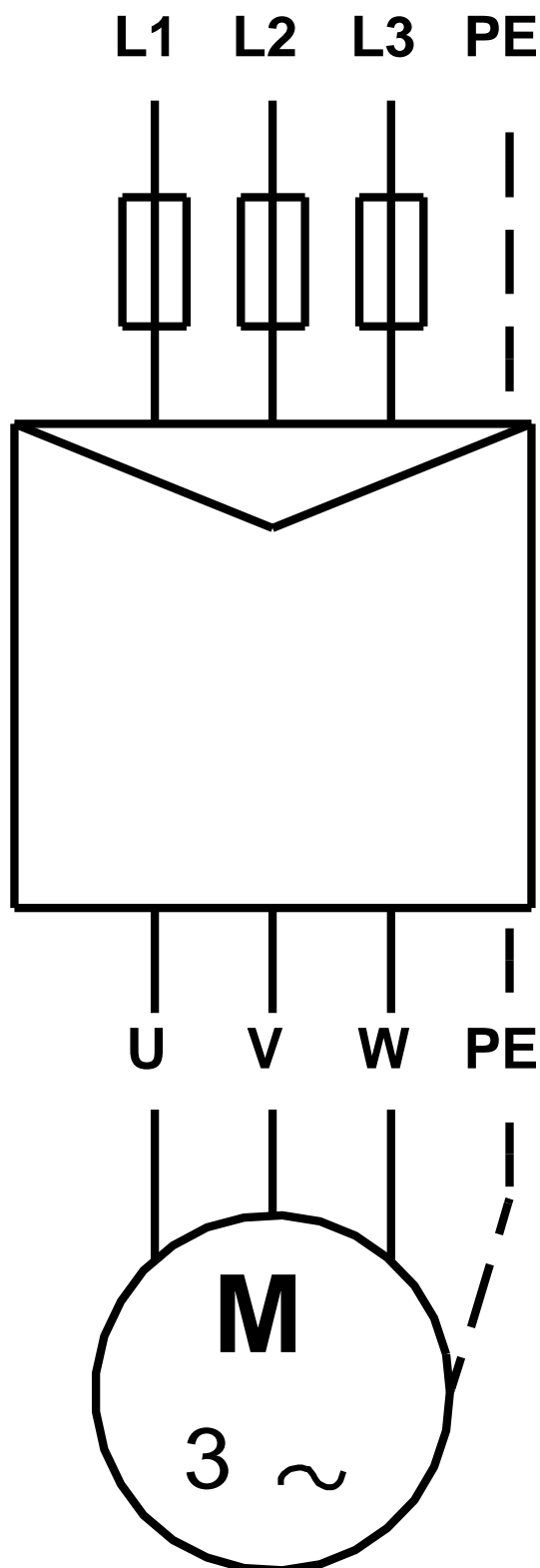


14B74501 300S50-1 60 Hz



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

14B74501 300S50-1 60 Hz



All units are [mm] unless otherwise presented.



Company name:

Created by:

Phone:

Date:

2/22/2018

Order Data:

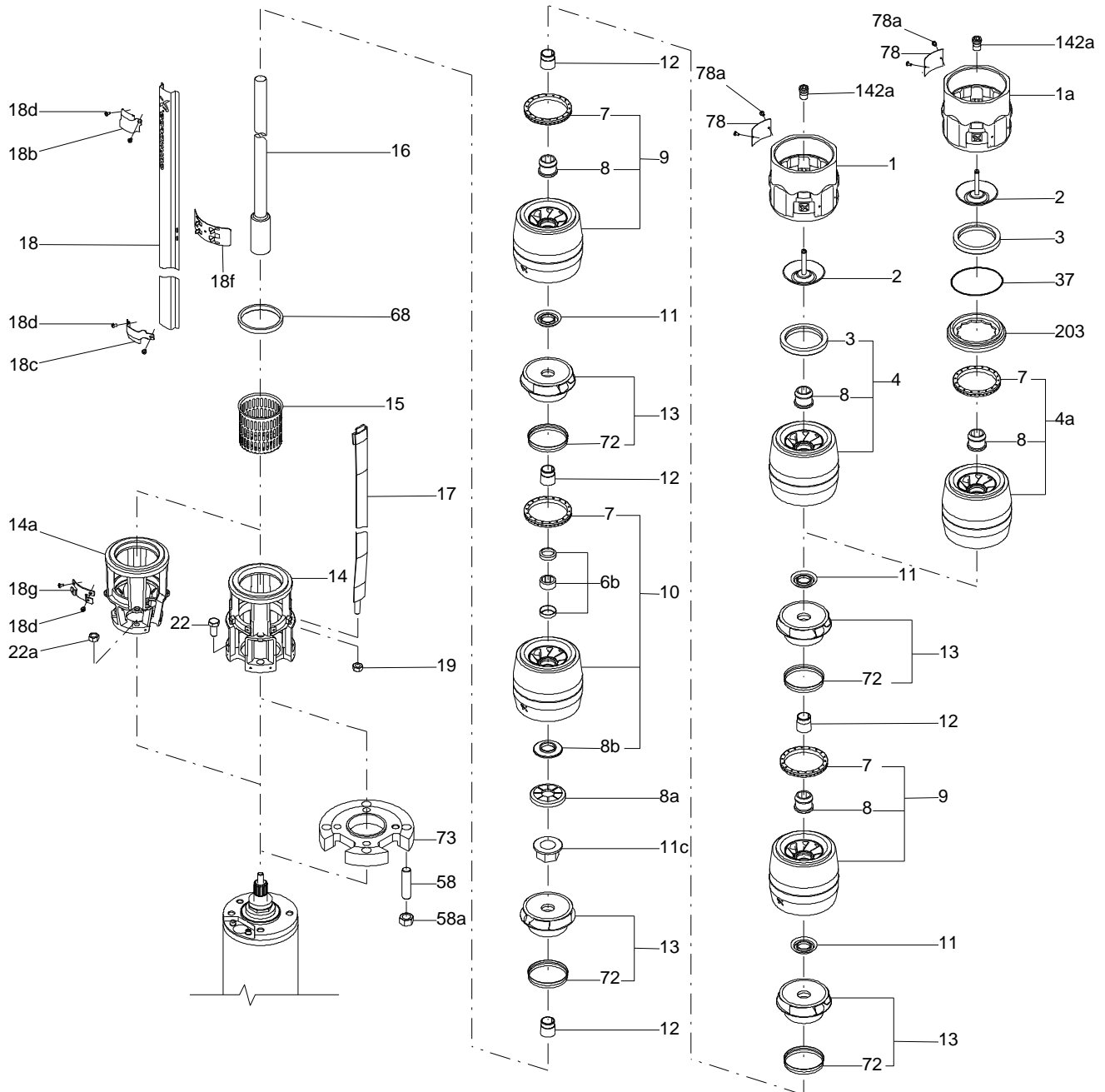
Product name: 300S50-1

Amount: 1

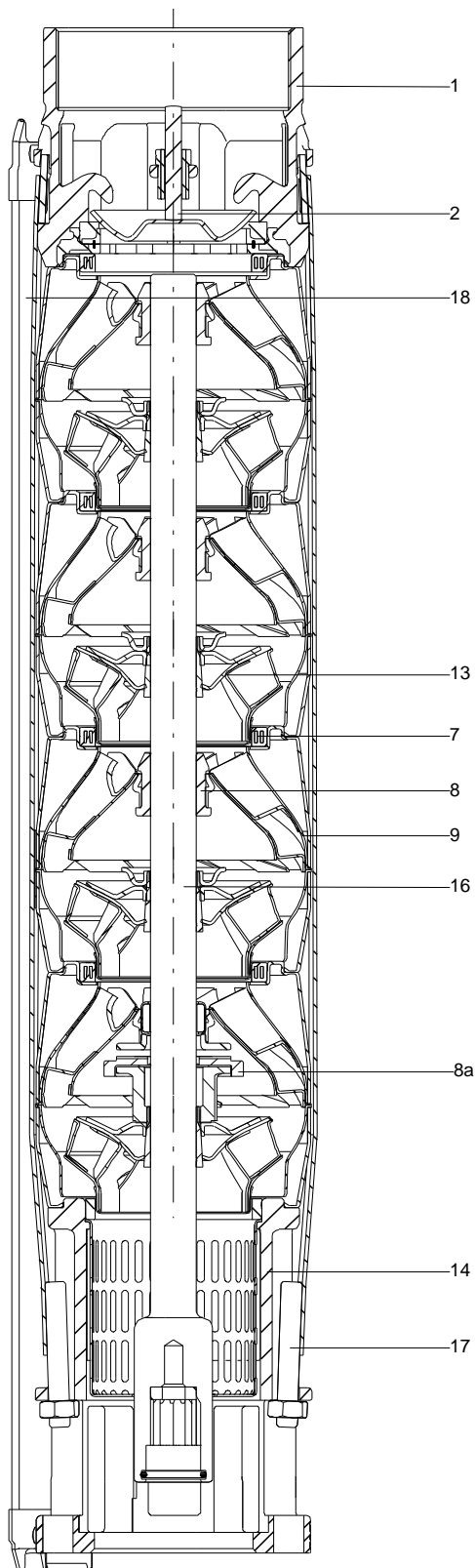
Product No.: 14B74501

Total: Price on request

Exploded view (TM054238 SP46/SP60 model B)



Sectional drawing (TM061521 SP46/SP60 model B1 1/4")



Parts list 300S50-1, Prod number 14B74501

Valid from 31.3.2013 (1314)

Position	Description	Annotation	Classification data	Part No.	Count	Unit
	Grease				1	G
	Grease				4	G
-	Shaft,cable,strap				1	pcs
- 16	Shaft cpl.				1	
	Coupling					
- 17	Strap cpl.				4	
	Threaded bush					
	Lug					
18	Cable guard				1	
1	Valve casing				1	pcs
2	Valve				1	pcs
- 8	Bearing cpl.				1	pcs
	Pipe				1	
8a	Washer				1	pcs
- 9	Chamber cpl.				1	pcs
	Chamber				1	
3	Valve seat				1	
6b	Bearing				1	
6b	Cup				1	
8b	Stop ring				1	
- 13	Impeller cpl.				1	pcs
11c	Nut				1	
12	Split cone				1	
72	Wear ring				1	
14	Suction interconnector				1	pcs
15	Strainer				1	pcs
18b	Clamp				2	pcs
18d	Hex socket head cap screw				4	pcs
18d	Hex socket head cap screw				2	pcs
18g	Clip				1	pcs
19	Nut		Thread: M10		4	pcs
- 20	Motor				1	pcs
-	Motor				1	
1	Stator					
2	Shaft w/rotor					
2	Shaft w/rotor					
3	Thrust ring support cpl.					
4	Radial bearing					
5	Bearing pipe					
6	Thrust bearing					
7	Lock ring					
10	Bearing retainer					
11	Adjusting screw					
12	Diaphragm					
13	End shield					
15	Nut					
16	Lock washer					
18	Nut		Thread: M8			
21	Hex nut		Thread: 5/16"			
22	Staybolt					
22	Staybolt					
22b	Cheese head screw					
22c	O-ring		Diameter: 4			



Company name:

Created by:

Phone:

Date:

2/22/2018

Position	Description	Annotation	Classification data	Part No.	Count	Unit
			Material type: NBR			
			Thickness: 1			
24	O-ring		Diameter: 40			
			Material type: NBR			
			Thickness: 2			
25	Shaft seal housing					
27	Spline protector					
27	Spline protector					
28	Support					
29	Sand shield					
30	Compression spring					
31	Supporting ring					
32	Sleeve					
34	Shaft seal cpl.					
20	Motor cable				1	
68	Seal ring				1	pcs