

## **Wilo-Actun FIRST-SPU4**



<b>Wilo-Actun FIRST-SPU4</b>	<b>5</b>
Actun FIRST SPU 4.01-10-B/XI4-50-1-230	7
Actun FIRST SPU 4.01-10-B/XI4-50-3-400	10
Actun FIRST SPU 4.01-13-B/XI4-50-1-230	13
Actun FIRST SPU 4.01-13-B/XI4-50-3-400	16
Actun FIRST SPU 4.01-19-B/XI4-50-1-230	19
Actun FIRST SPU 4.01-19-B/XI4-50-3-400	22
Actun FIRST SPU 4.01-26-B/XI4-50-1-230	25
Actun FIRST SPU 4.01-26-B/XI4-50-3-400	28
Actun FIRST SPU 4.01-38-B/XI4-50-1-230	31
Actun FIRST SPU 4.01-38-B/XI4-50-3-400	34
Actun FIRST SPU 4.02-05-B/XI4-50-1-230	37
Actun FIRST SPU 4.02-05-B/XI4-50-3-400	40
Actun FIRST SPU 4.02-07-B/XI4-50-1-230	43
Actun FIRST SPU 4.02-07-B/XI4-50-3-400	46
Actun FIRST SPU 4.02-10-B/XI4-50-1-230	49
Actun FIRST SPU 4.02-10-B/XI4-50-3-400	52
Actun FIRST SPU 4.02-14-B/XI4-50-1-230	55
Actun FIRST SPU 4.02-14-B/XI4-50-3-400	58
Actun FIRST SPU 4.02-20-B/XI4-50-1-230	61
Actun FIRST SPU 4.02-20-B/XI4-50-3-400	64
Actun FIRST SPU 4.03-05-B/XI4-50-1-230	67
Actun FIRST SPU 4.03-05-B/XI4-50-3-400	70
Actun FIRST SPU 4.03-08-B/XI4-50-1-230	73
Actun FIRST SPU 4.03-08-B/XI4-50-3-400	76
Actun FIRST SPU 4.03-11-B/XI4-50-1-230	79
Actun FIRST SPU 4.03-11-B/XI4-50-3-400	82
Actun FIRST SPU 4.03-16-B/XI4-50-1-230	85
Actun FIRST SPU 4.03-16-B/XI4-50-3-400	88
Actun FIRST SPU 4.03-21-B/XI4-50-1-230	91
Actun FIRST SPU 4.03-21-B/XI4-50-3-400	94
Actun FIRST SPU 4.03-32-B/XI4-50-1-230	97
Actun FIRST SPU 4.03-32-B/XI4-50-3-400	100
Actun FIRST SPU 4.04-05-B/XI4-50-1-230	103
Actun FIRST SPU 4.04-05-B/XI4-50-3-400	106

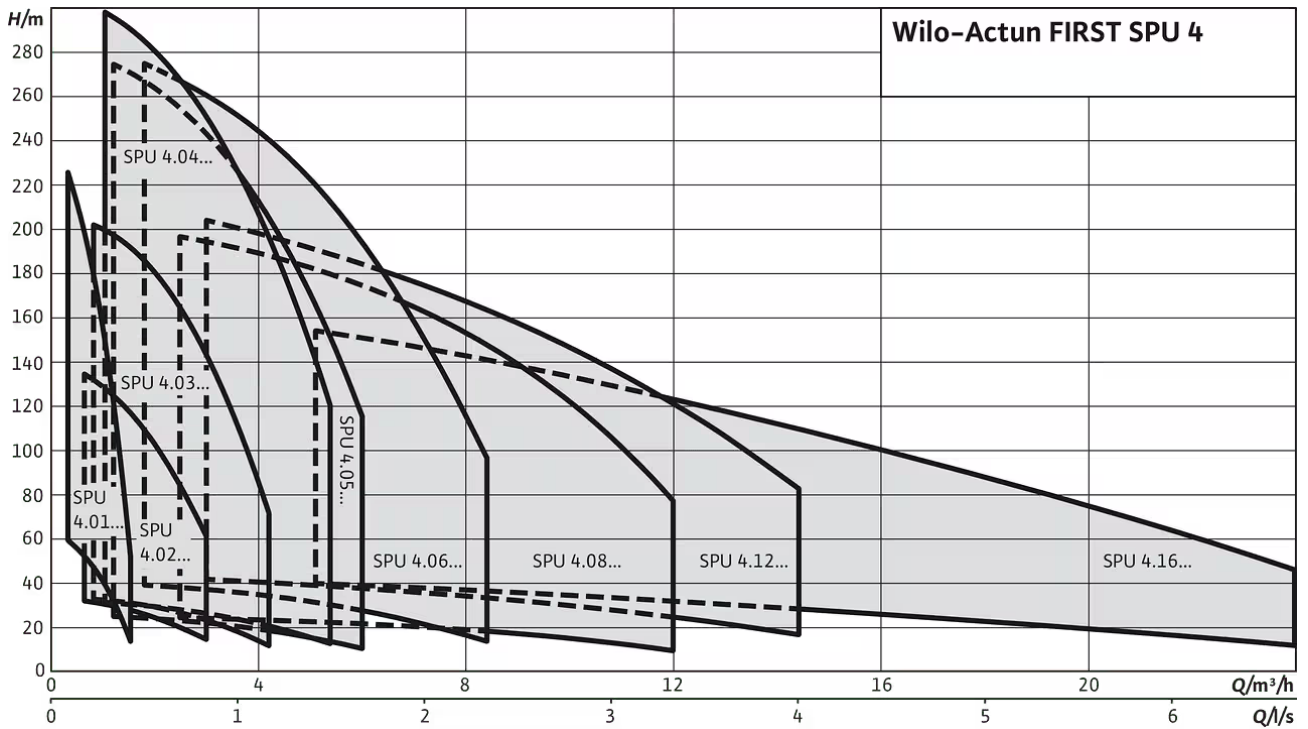
Actun FIRST SPU 4.04-07-B/XI4-50-1-230	109
Actun FIRST SPU 4.04-07-B/XI4-50-3-400	112
Actun FIRST SPU 4.04-09-B/XI4-50-1-230	115
Actun FIRST SPU 4.04-09-B/XI4-50-3-400	118
Actun FIRST SPU 4.04-14-B/XI4-50-1-230	121
Actun FIRST SPU 4.04-14-B/XI4-50-3-400	124
Actun FIRST SPU 4.04-18-B/XI4-50-1-230	127
Actun FIRST SPU 4.04-18-B/XI4-50-3-400	130
Actun FIRST SPU 4.04-27-B/XI4-50-1-230	133
Actun FIRST SPU 4.04-27-B/XI4-50-3-400	136
Actun FIRST SPU 4.04-35-B/XI4-50-3-400	139
Actun FIRST SPU 4.04-48-B/XI4-50-3-400	142
Actun FIRST SPU 4.05-04-B/XI4-50-1-230	145
Actun FIRST SPU 4.05-04-B/XI4-50-3-400	148
Actun FIRST SPU 4.05-06-B/XI4-50-1-230	151
Actun FIRST SPU 4.05-06-B/XI4-50-3-400	154
Actun FIRST SPU 4.05-08-B/XI4-50-1-230	157
Actun FIRST SPU 4.05-08-B/XI4-50-3-400	160
Actun FIRST SPU 4.05-12-B/XI4-50-1-230	163
Actun FIRST SPU 4.05-12-B/XI4-50-3-400	166
Actun FIRST SPU 4.05-16-B/XI4-50-1-230	169
Actun FIRST SPU 4.05-16-B/XI4-50-3-400	172
Actun FIRST SPU 4.05-24-B/XI4-50-1-230	175
Actun FIRST SPU 4.05-24-B/XI4-50-3-400	178
Actun FIRST SPU 4.05-32-B/XI4-50-3-400	181
Actun FIRST SPU 4.05-44-B/XI4-50-3-400	184
Actun FIRST SPU 4.06-07-B/XI4-50-1-230	187
Actun FIRST SPU 4.06-07-B/XI4-50-3-400	190
Actun FIRST SPU 4.06-10-B/XI4-50-1-230	193
Actun FIRST SPU 4.06-10-B/XI4-50-3-400	196
Actun FIRST SPU 4.06-14-B/XI4-50-1-230	199
Actun FIRST SPU 4.06-14-B/XI4-50-3-400	202
Actun FIRST SPU 4.06-20-B/XI4-50-1-230	205
Actun FIRST SPU 4.06-20-B/XI4-50-3-400	208
Actun FIRST SPU 4.06-27-B/XI4-50-3-400	211

Actun FIRST SPU 4.06-36-B/XI4-50-3-400	214
Actun FIRST SPU 4.06-49-B/XI4-50-3-400	217
Actun FIRST SPU 4.08-04-B/XI4-50-1-230	220
Actun FIRST SPU 4.08-04-B/XI4-50-3-400	223
Actun FIRST SPU 4.08-06-B/XI4-50-1-230	226
Actun FIRST SPU 4.08-06-B/XI4-50-3-400	229
Actun FIRST SPU 4.08-08-B/XI4-50-1-230	232
Actun FIRST SPU 4.08-08-B/XI4-50-3-400	235
Actun FIRST SPU 4.08-13-B/XI4-50-1-230	238
Actun FIRST SPU 4.08-13-B/XI4-50-3-400	241
Actun FIRST SPU 4.08-17-B/XI4-50-3-400	244
Actun FIRST SPU 4.08-23-B/XI4-50-3-400	247
Actun FIRST SPU 4.08-32-B/XI4-50-3-400	250
Actun FIRST SPU 4.12-07-B/XI4-50-1-230	253
Actun FIRST SPU 4.12-07-B/XI4-50-3-400	256
Actun FIRST SPU 4.12-10-B/XI4-50-1-230	259
Actun FIRST SPU 4.12-10-B/XI4-50-3-400	262
Actun FIRST SPU 4.12-14-B/XI4-50-3-400	265
Actun FIRST SPU 4.12-19-B/XI4-50-3-400	268
Actun FIRST SPU 4.12-26-B/XI4-50-3-400	271
Actun FIRST SPU 4.12-34-B/XI4-50-3-400	274
Actun FIRST SPU 4.16-07-B/XI4-50-1-230	277
Actun FIRST SPU 4.16-07-B/XI4-50-3-400	280
Actun FIRST SPU 4.16-10-B/XI4-50-3-400	283
Actun FIRST SPU 4.16-14-B/XI4-50-3-400	286
Actun FIRST SPU 4.16-19-B/XI4-50-3-400	289
Actun FIRST SPU 4.16-27-B/XI4-50-3-400	292



**Your advantages**

- Parts that come in contact with fluids are corrosion-free
- Integrated non-return valve
- Low-wearing due to floating impellers
- Maintenance-friendly motor



**Design**

Multistage 4" submersible pump with a shroud design for vertical and horizontal installation

### Application

- > For water supply from boreholes and rainwater reservoirs
- > For domestic water supply, sprinkling and irrigation
- > Pressure boosting
- > Lowering of the water level
- > For pumping water without long-fibre, abrasive constituents

### Equipment/function

- > Multistage submersible pump with radial and semi-axial impellers
- > Rewindable, oil-filled motor
- > Integrated non-return valve
- > NEMA coupling
- > Single-phase or three-phase AC motor

### Typekey

NO VALUE

### Technical data

- > Mains connection: 3~400 V, 50 Hz
- > Submerged operating mode: S1
- > Fluid temperature: 3-30 °C
- > Minimum flow rate at motor: 0.2 m/s or 0.5 m/s (depending on performance)
- > Max. sand content: 50 g/m<sup>3</sup>
- > Max. number of starts: 10 -20/h (depending on performance)
- > Max. immersion depth: 200 m
- > IP rating: IP68
- > Pressure connection: NPT 1¼, NPT 1½, NPT 2

### Materials

- > Hydraulics housing: Stainless steel 1.4301
- > Impellers: Noryl
- > Pump shaft: 1.4104 stainless steel
- > 1.4301 stainless steel motor housing
- > Motor shaft: 1.4305 stainless steel

### Construction

Submersible pump for vertical and horizontal installation.

### Hydraulics

Multistage submersible pump with radial or semi-axial impellers with a shroud design. Integrated non-return valve. All parts that come into contact with the fluid are made from corrosion-resistant materials.

### Motor

Rewindable, corrosion-resistant alternating current motor or three-phase current motor for direct starting. Sealed using a mechanical seal with self-lubricating bearings with oil filling.

### Cooling

The motor is cooled by the fluid. The motor must always be immersed when operated. The limit value for the maximum fluid temperature may not be exceeded. The limit value for the minimum volume flow may not be exceeded. Vertical installation is possible with or without cooling shroud. A cooling shroud is required for horizontal installation.

### Scope of delivery

- > Hydraulics + motor completely assembled
- > 2.0/2.5 m connection cable (cross-section: 4 x 1.5 mm<sup>2</sup>)
- > Installation and user manual

### Options

- > Motor variants: 1~230 V, 50 Hz; 3~400 V, 50 Hz; 1~220 V, 60 Hz; 3~220 V, 60 Hz; 3~380 V, 60 Hz; 3~460 V, 60 Hz



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Starting current $I$	15,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,93
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

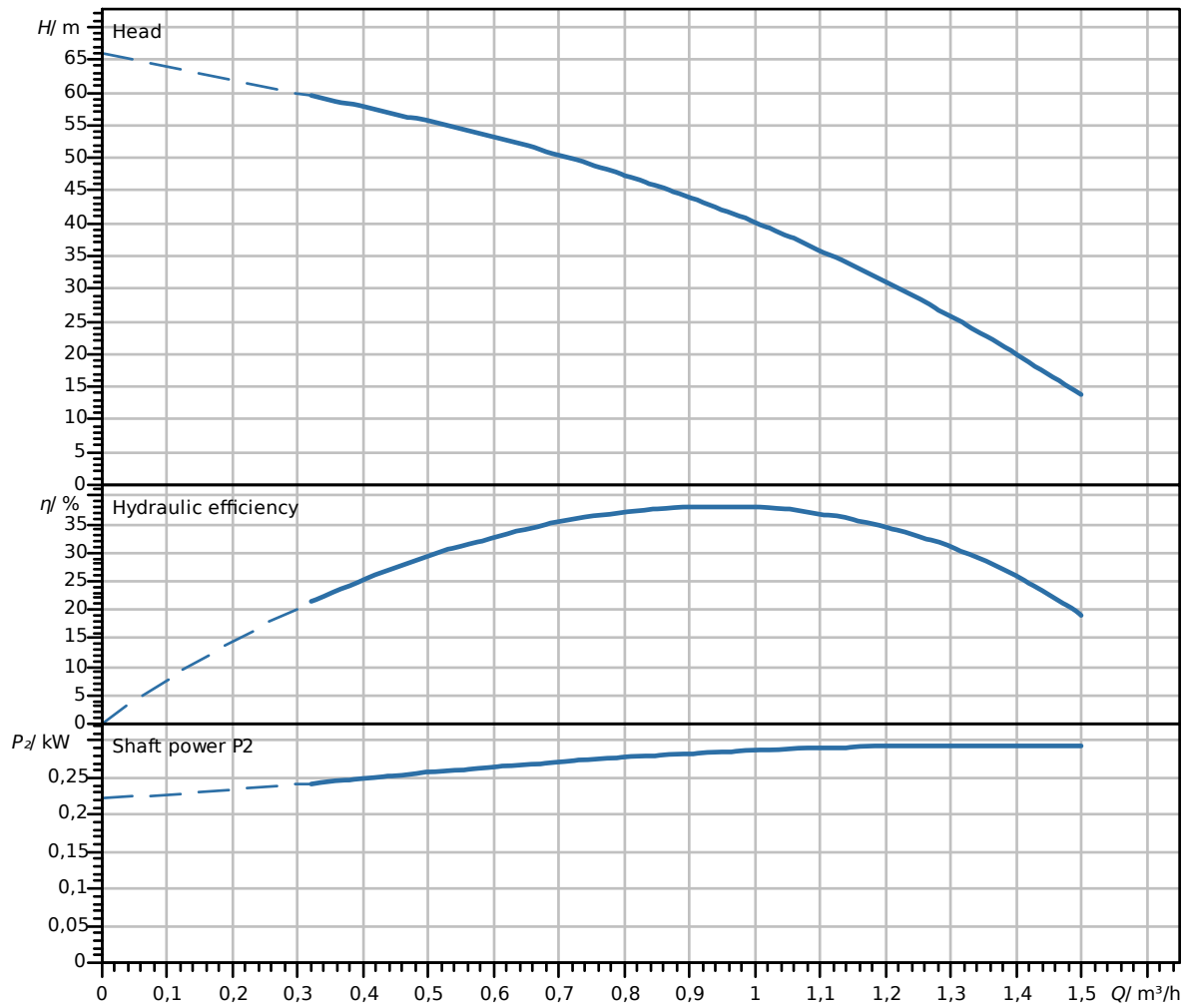
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	66,1 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-10-B/XI4-50-1-230
Article number	<b>6083317</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Starting current $I$	5,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,74
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

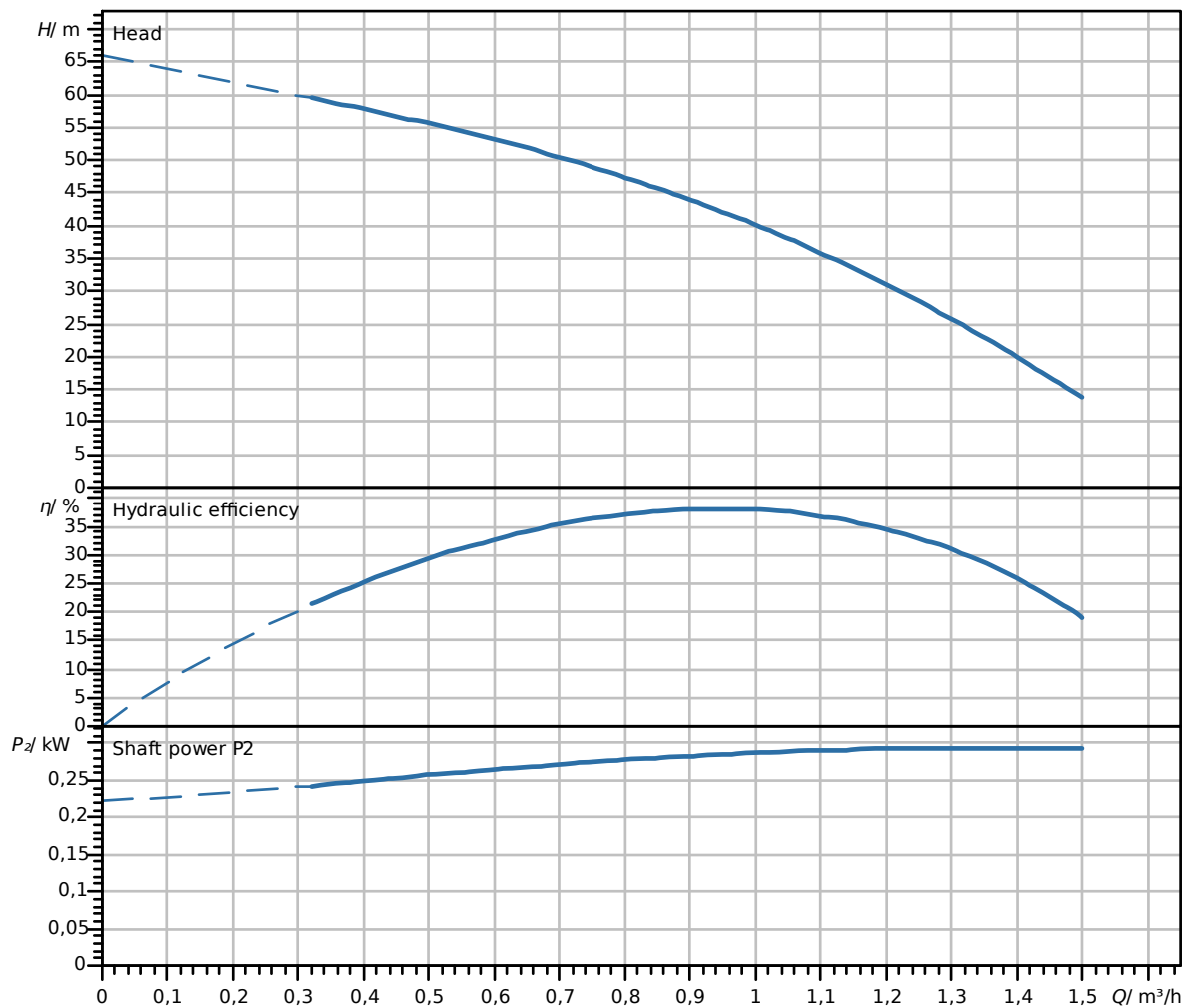
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	66,1 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-10-B/XI4-50-3-400
Article number	<b>6083356</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	10 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Starting current $I$	15,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,93
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

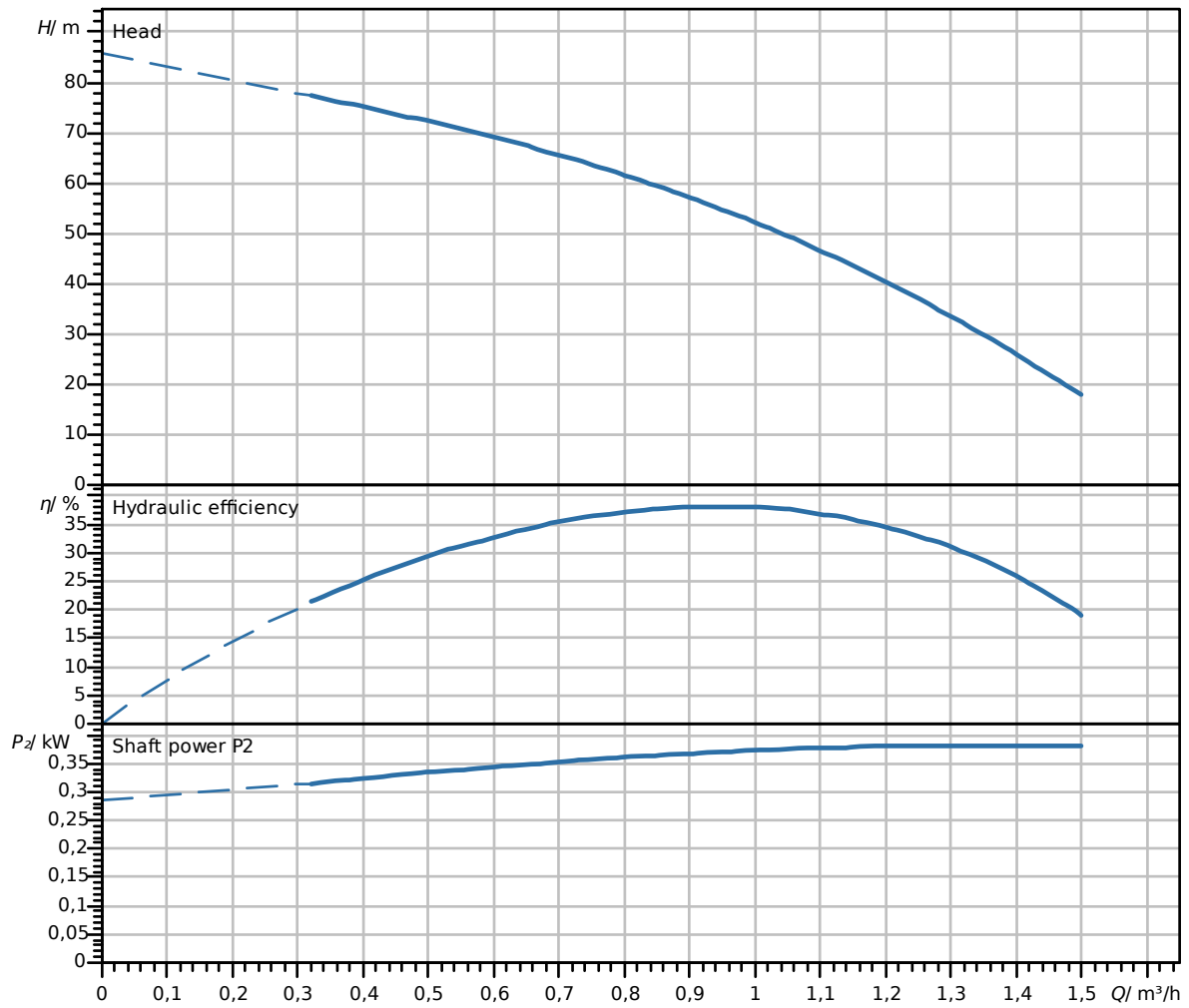
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	86,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-13-B/XI4-50-1-230
Article number	<b>6083318</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	10 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Starting current $I$	5,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,74
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

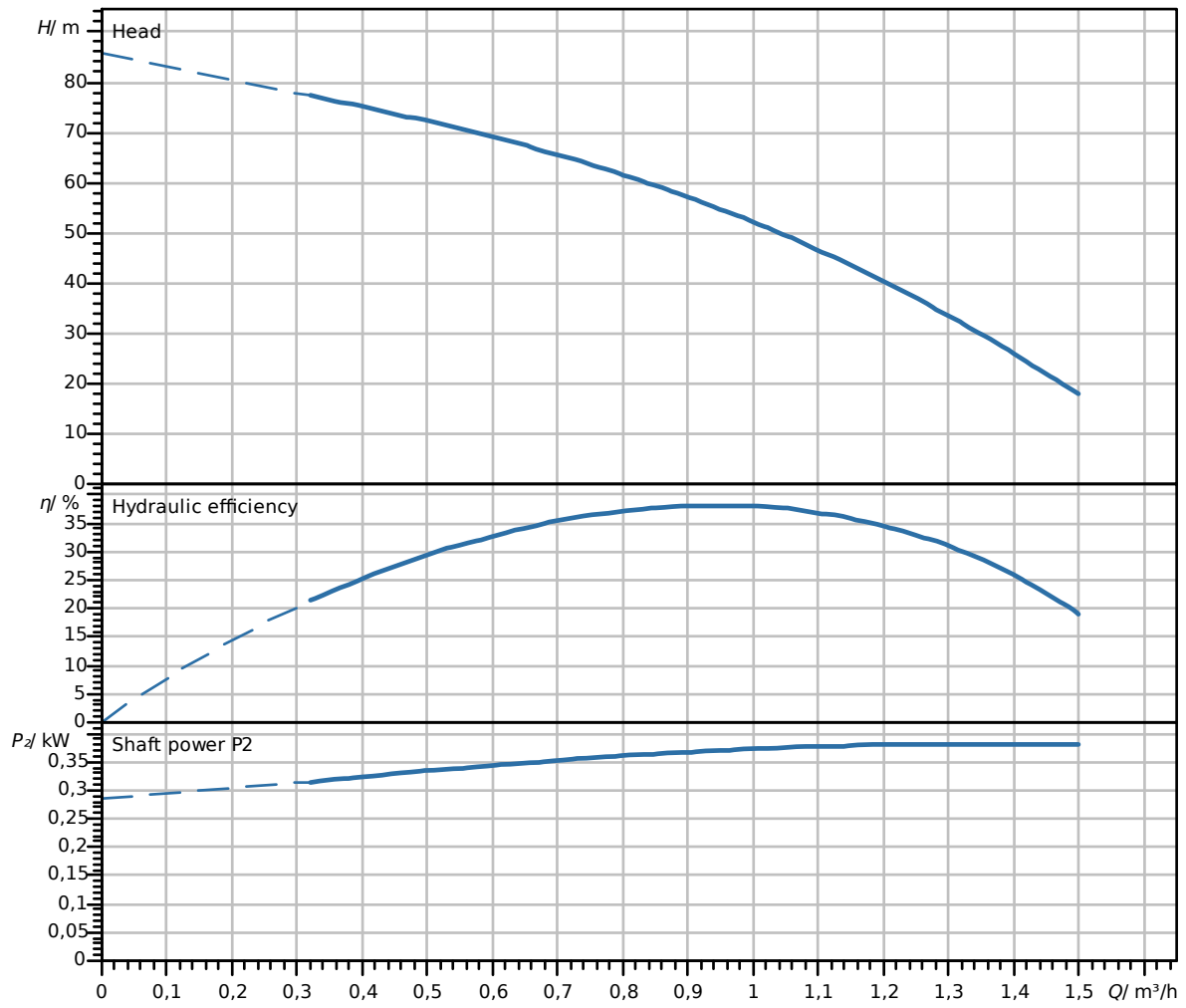
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	86,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-13-B/XI4-50-3-400
Article number	<b>6083357</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	14 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Starting current $I$	22 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,94
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

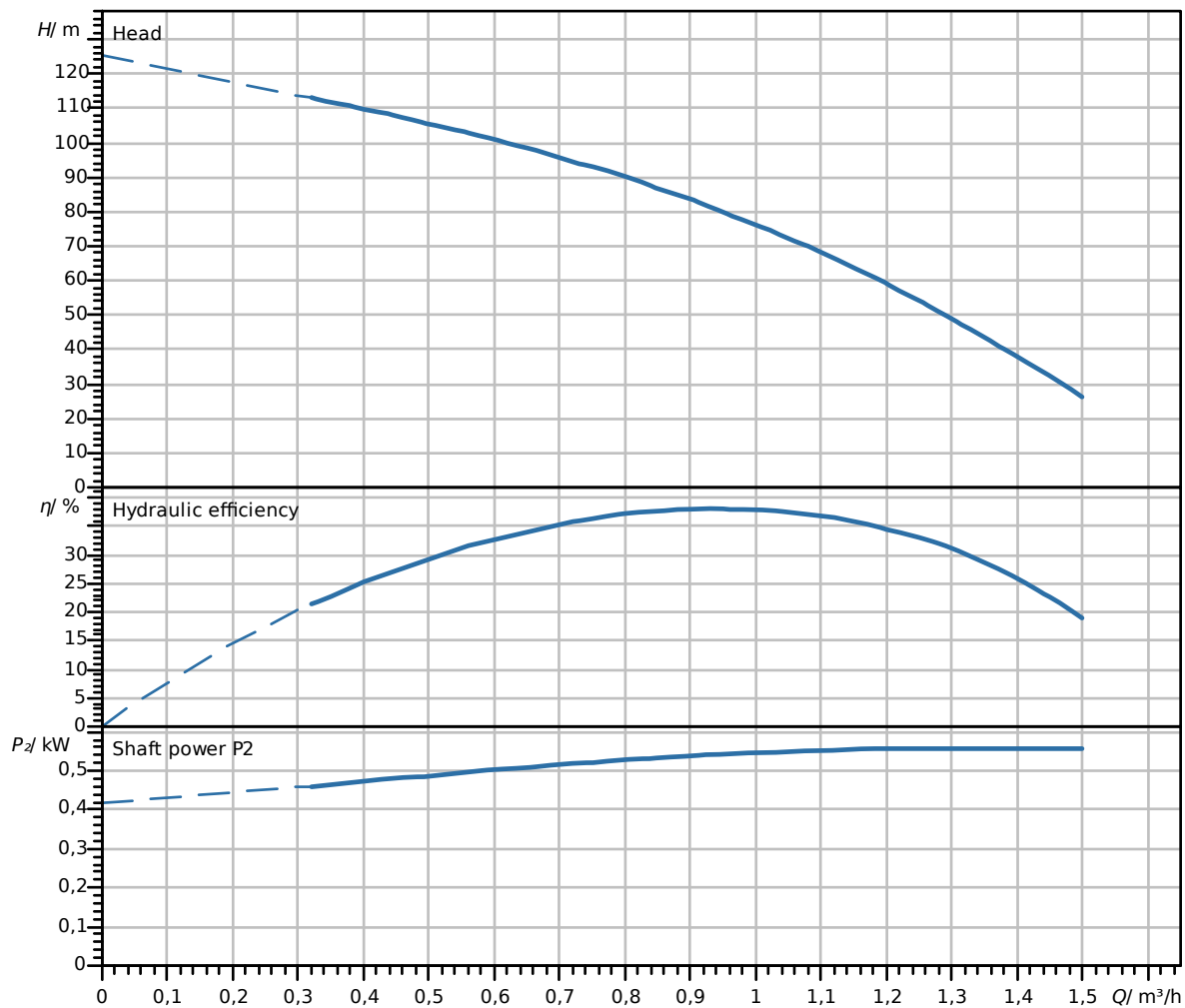
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	125,7 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	14 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	14 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-19-B/XI4-50-1-230
Article number	<b>6083319</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	14 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Starting current $I$	7,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,72
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

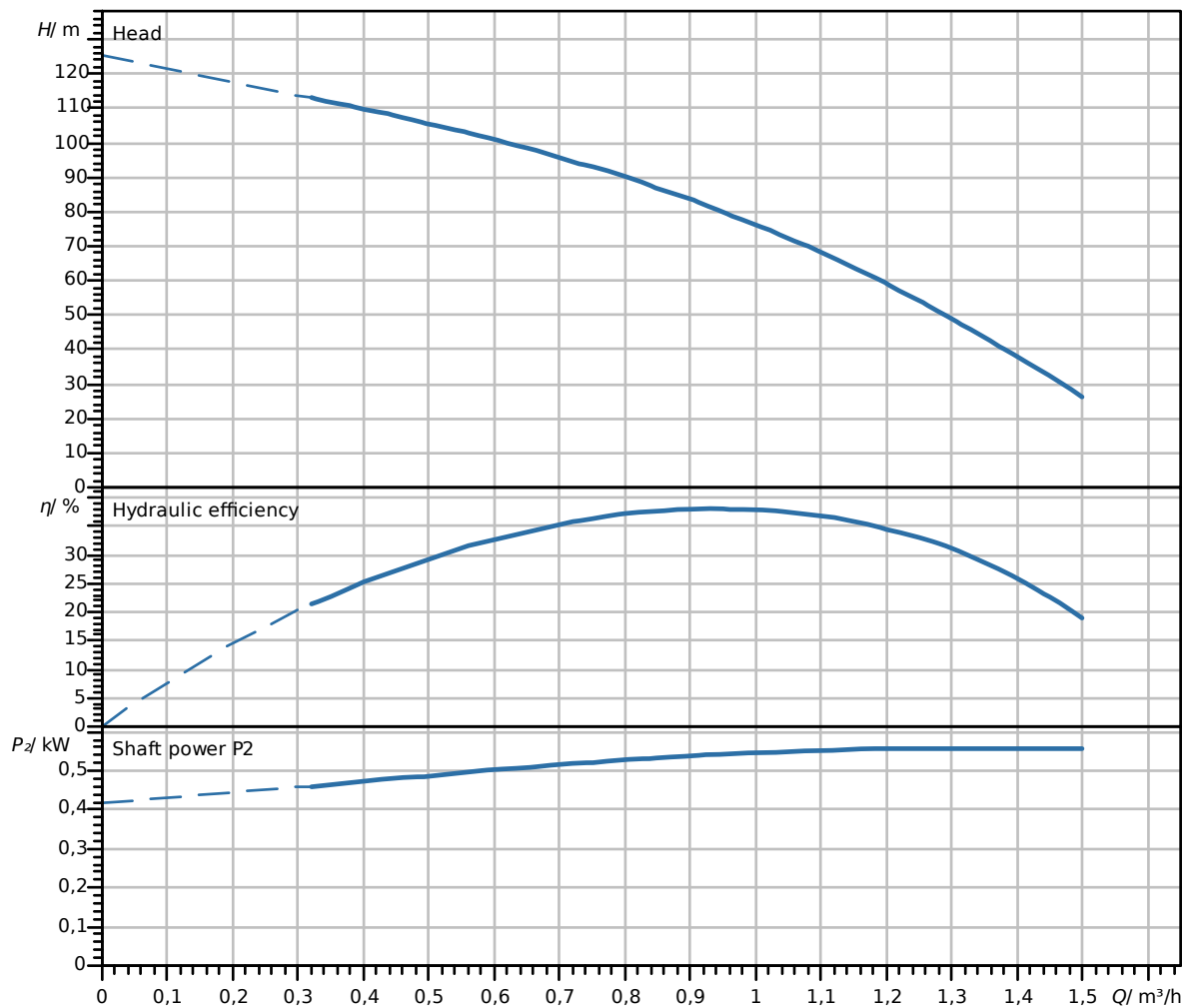
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	125,7 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3-400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-19-B/XI4-50-3-400
Article number	<b>6083358</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	19 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Starting current $I$	25 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,95
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

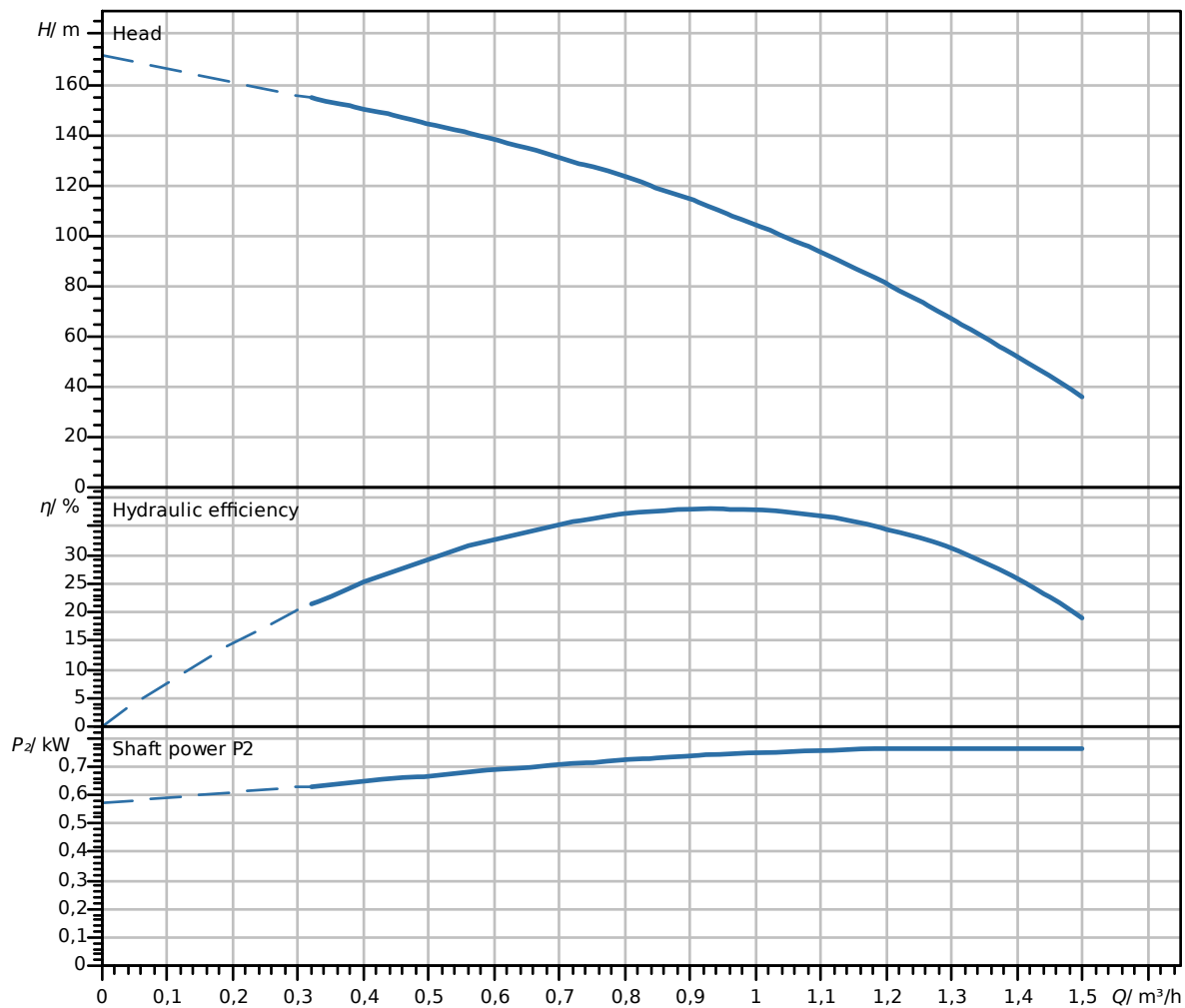
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	171,9 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	16,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	16,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-26-B/XI4-50-1-230
Article number	<b>6083320</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	19 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Starting current $I$	10,2 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

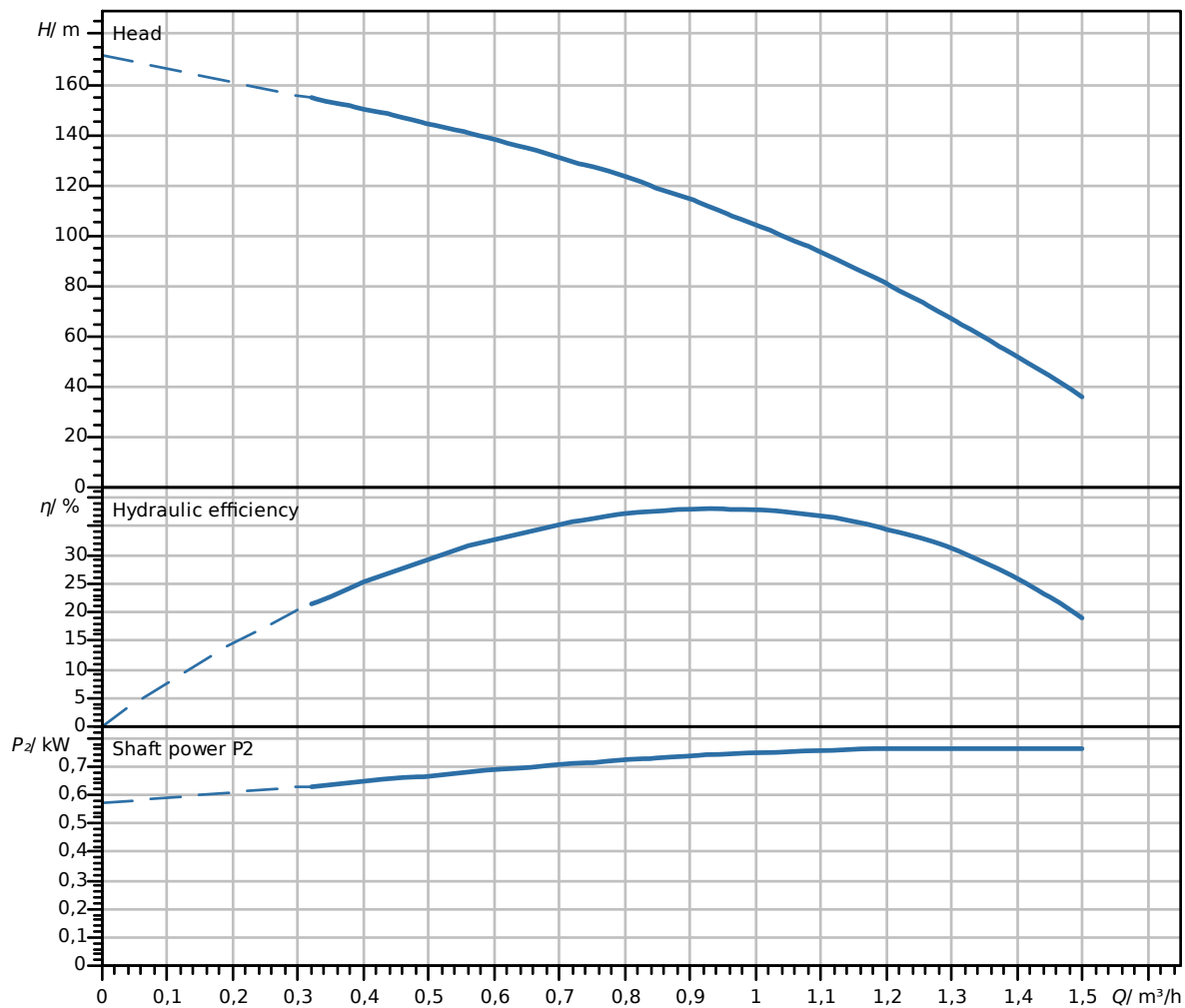
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	171,9 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	15,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	15,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-26-B/XI4-50-3-400
Article number	<b>6083359</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	28 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Starting current $I$	37 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,91
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

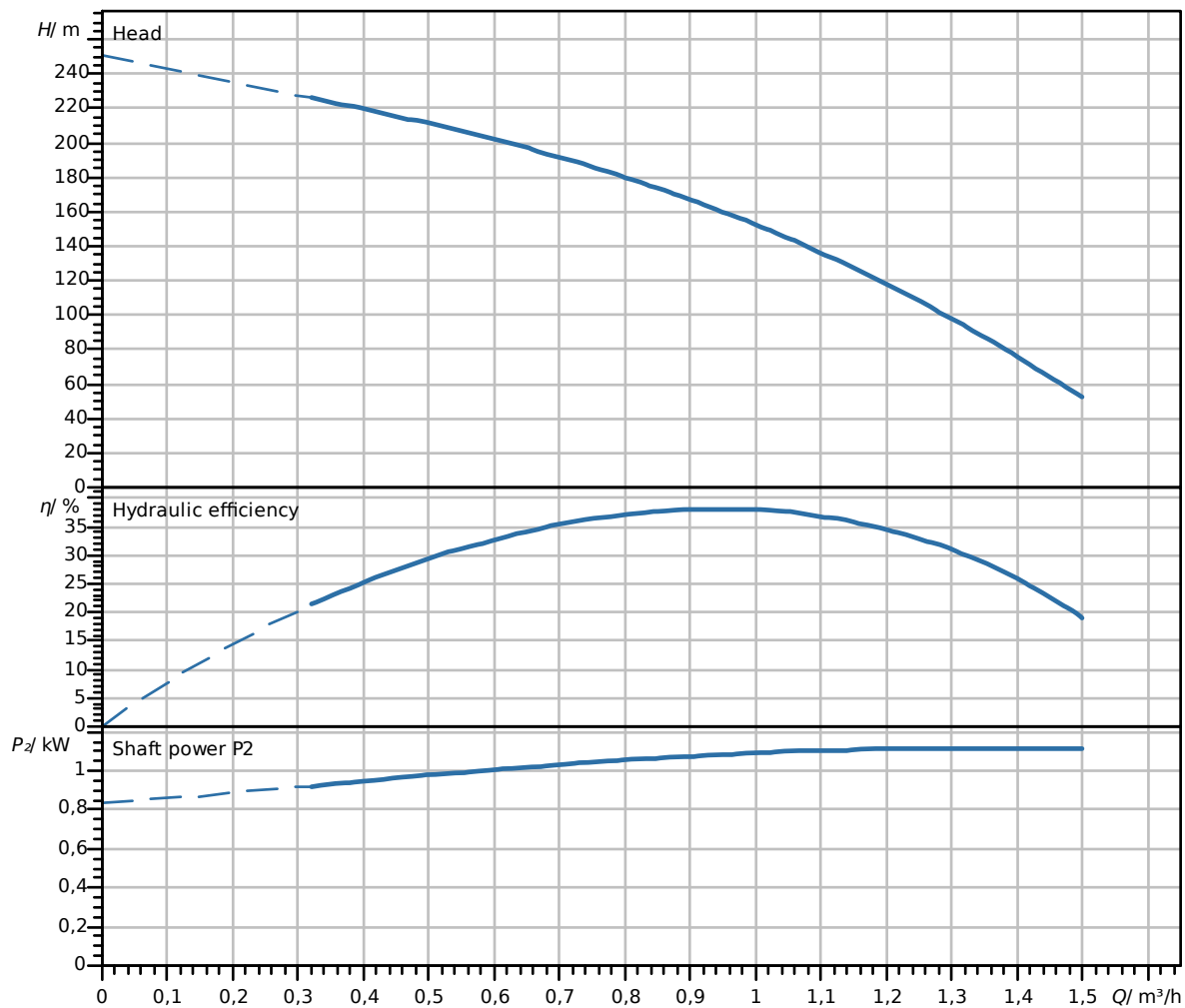
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	251,3 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	21,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	21,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-38-B/XI4-50-1-230
Article number	<b>6083321</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	28 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Starting current $I$	17,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

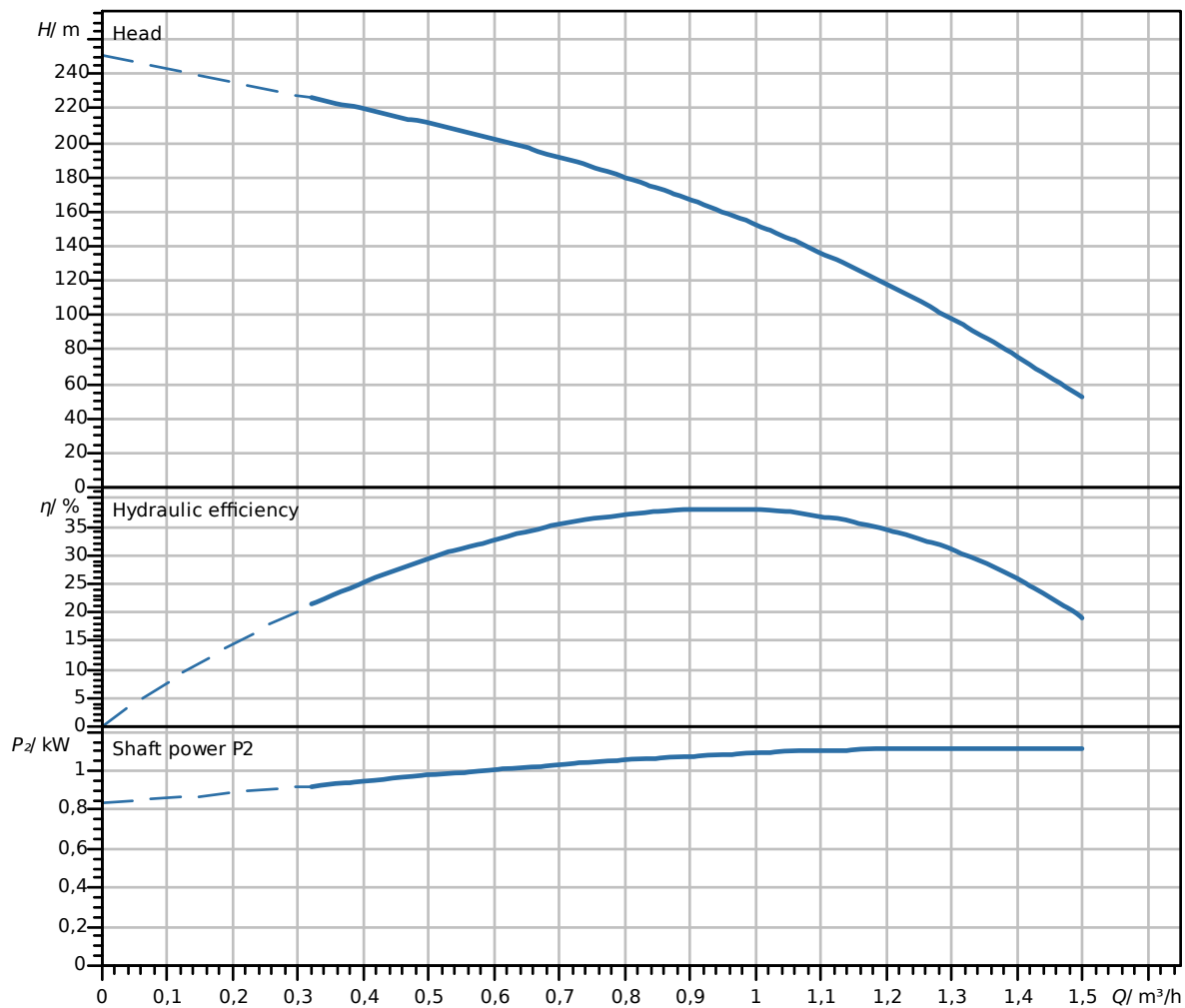
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	251,3 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	19,6 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	19,6 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.01-38-B/XI4-50-3-400
Article number	<b>6083360</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Starting current $I$	15,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,93
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

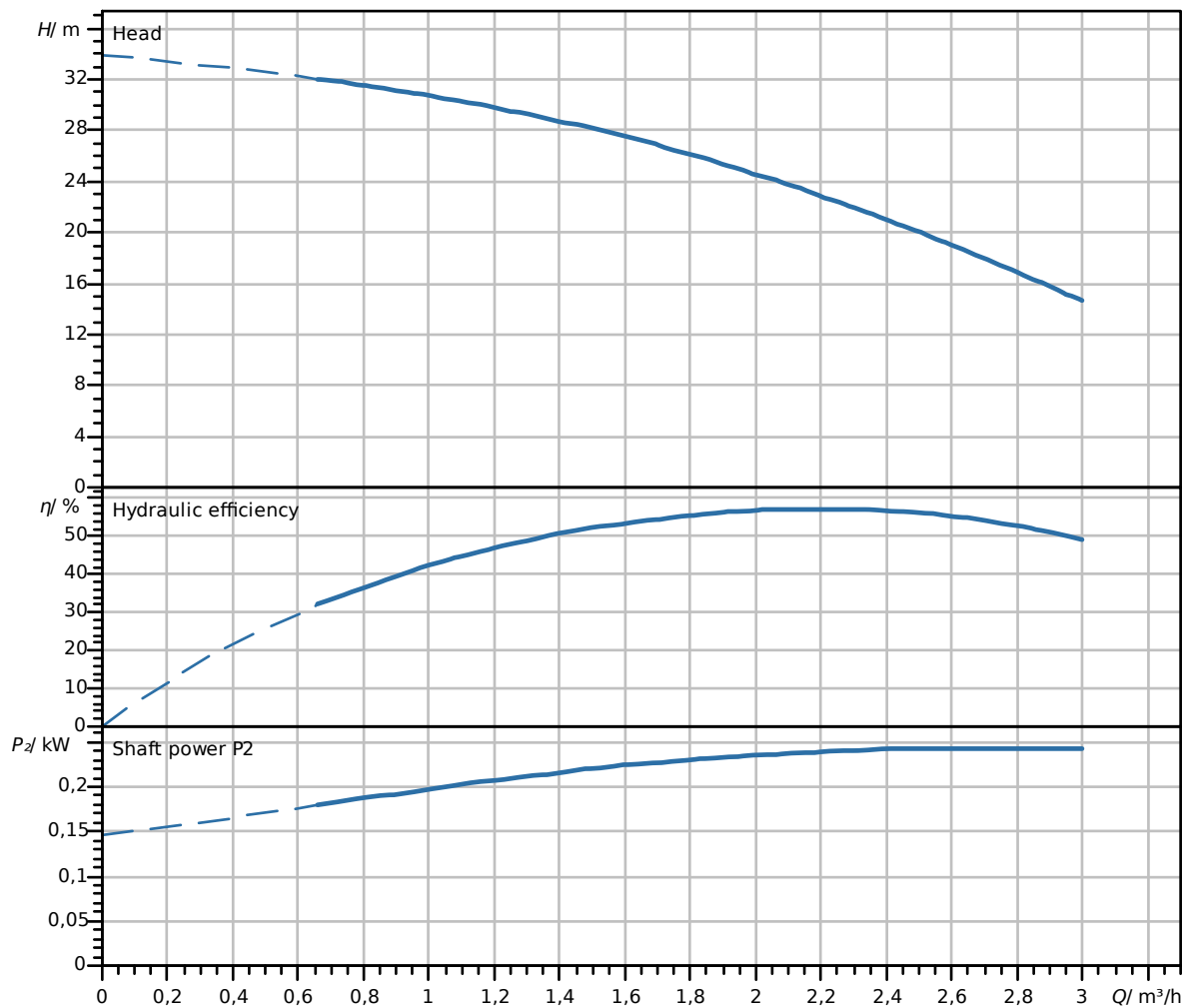
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	34,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,1 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,1 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-05-B/XI4-50-1-230
Article number	<b>6083322</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Starting current $I$	5,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,74
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

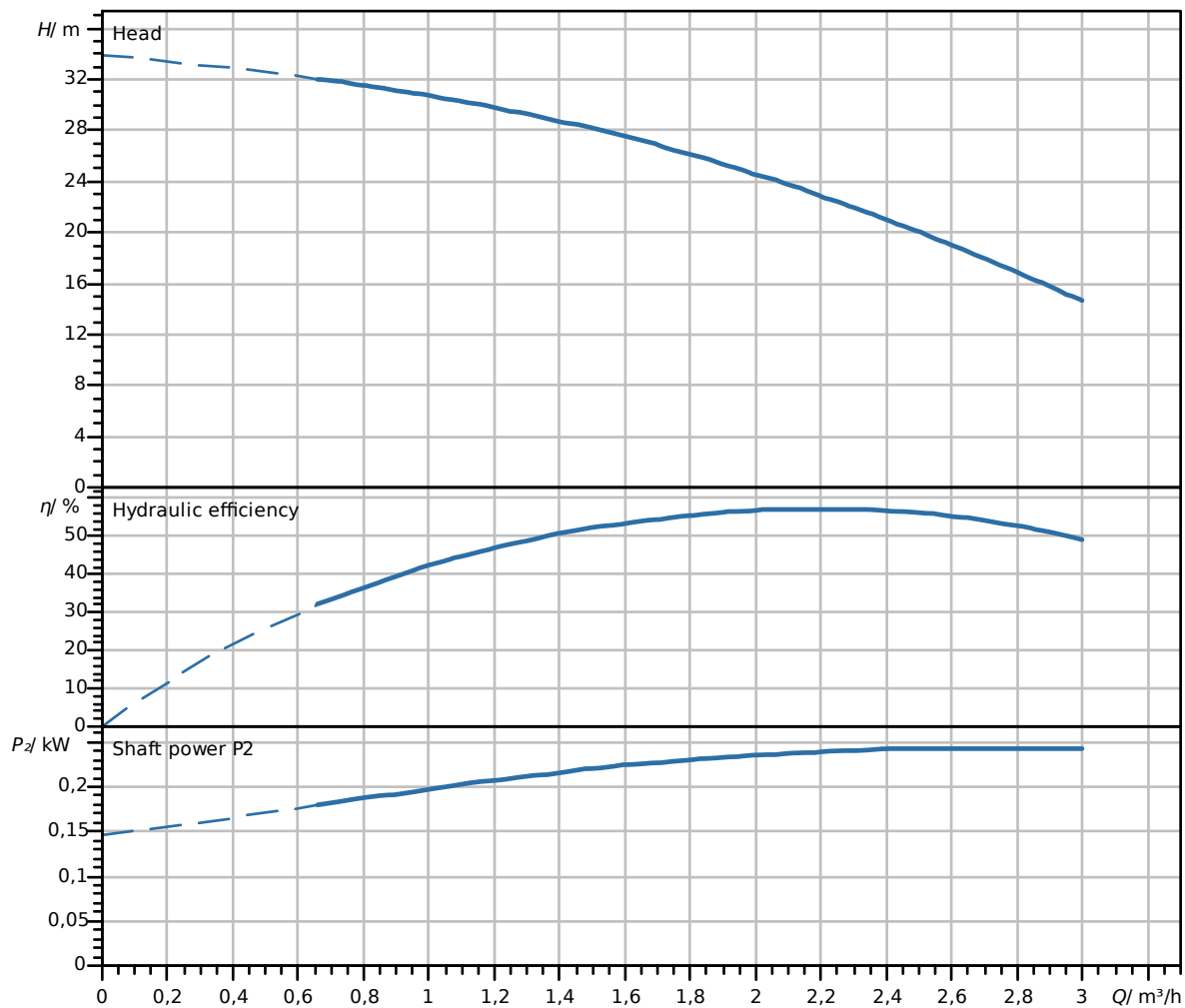
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	34,0 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	10,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	10,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-05-B/XI4-50-3-400
Article number	<b>6083361</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Starting current $I$	15,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,93
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

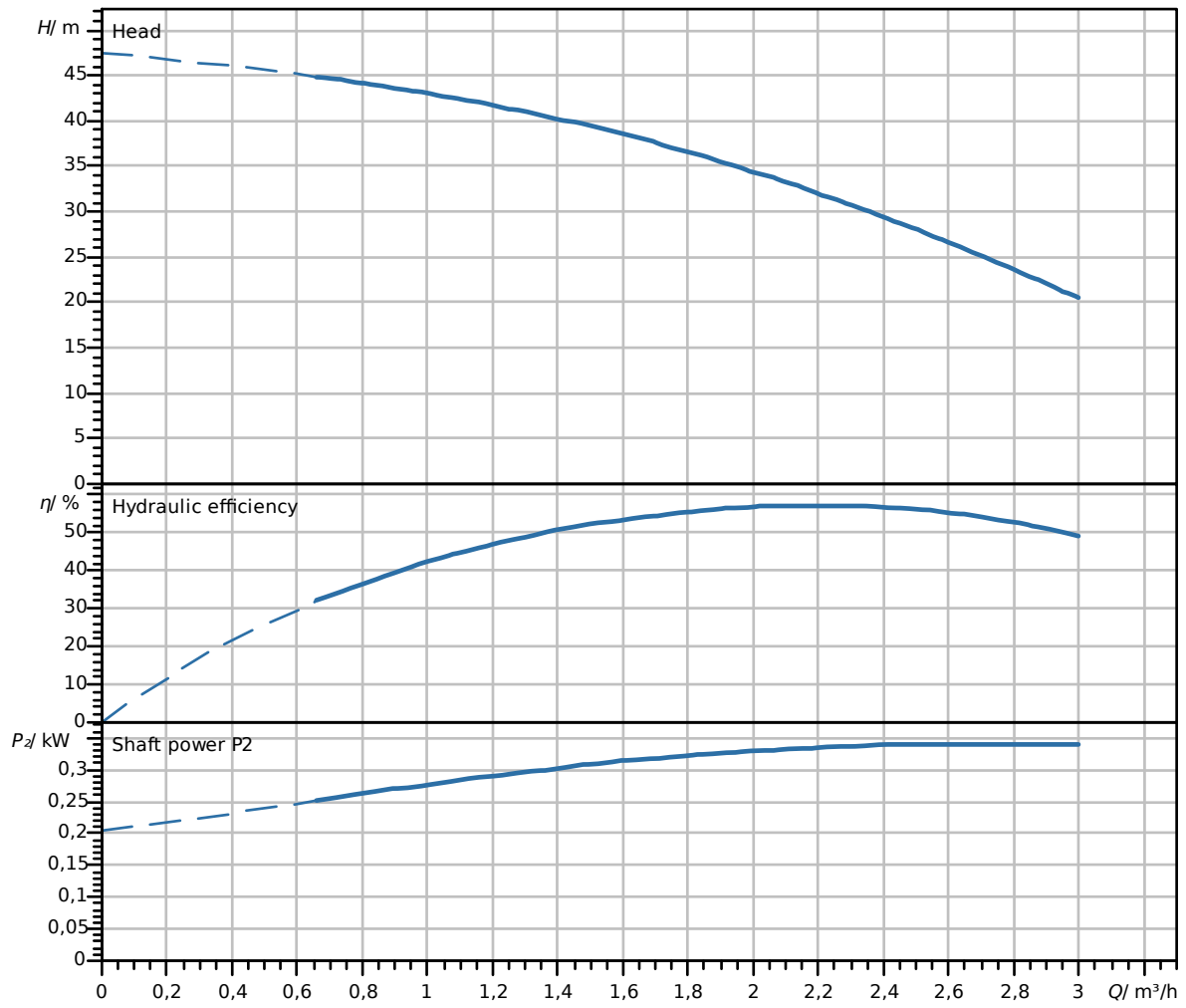
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	47,6 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-07-B/XI4-50-1-230
Article number	<b>6083323</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Starting current $I$	5,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,74
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

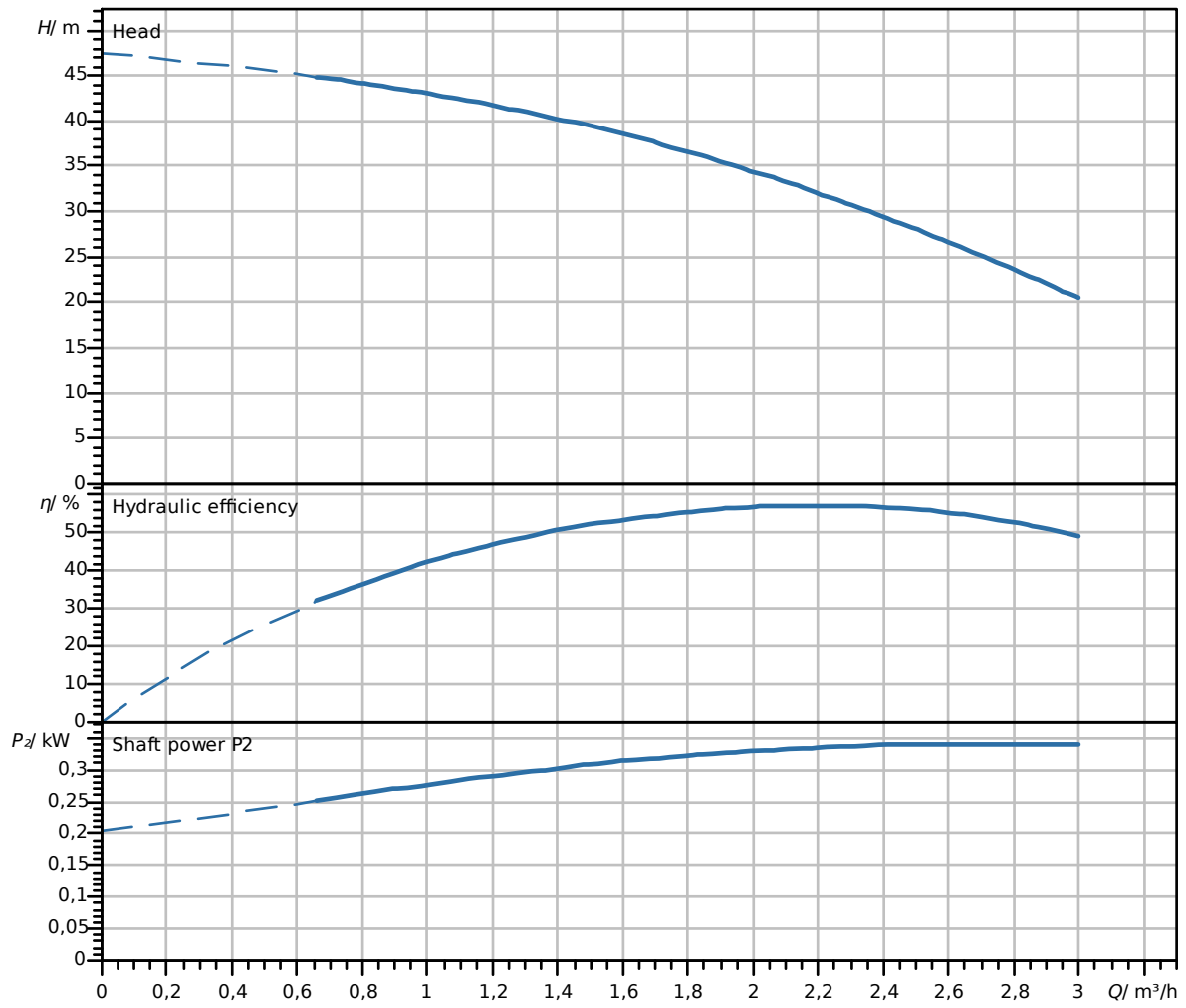
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	47,6 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	10,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	10,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-07-B/XI4-50-3-400
Article number	<b>6083362</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	8 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Starting current $I$	22 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,94
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

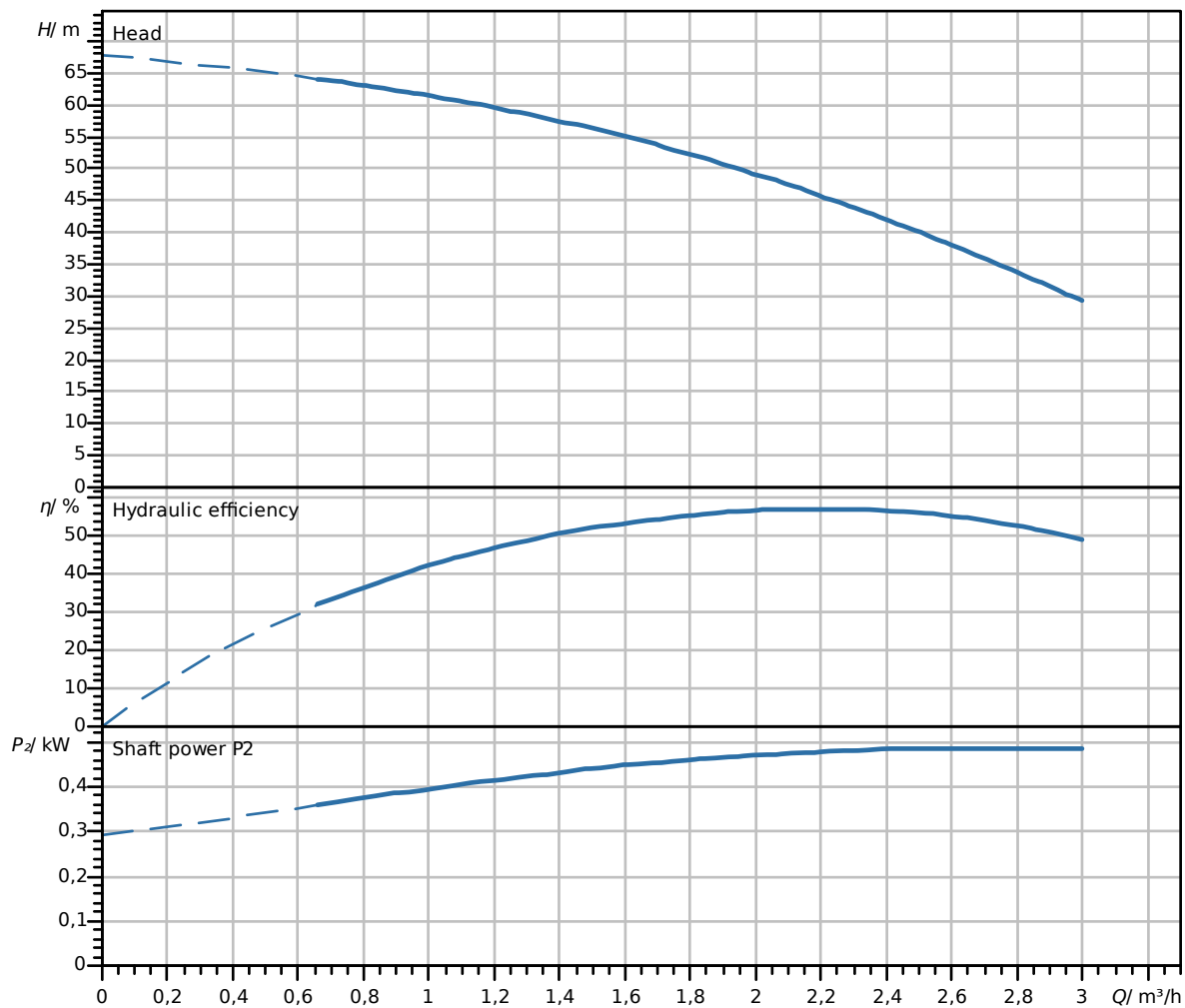
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	68,0 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,6 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,6 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-10-B/XI4-50-1-230
Article number	<b>6083324</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	8 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Starting current $I$	7,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,72
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

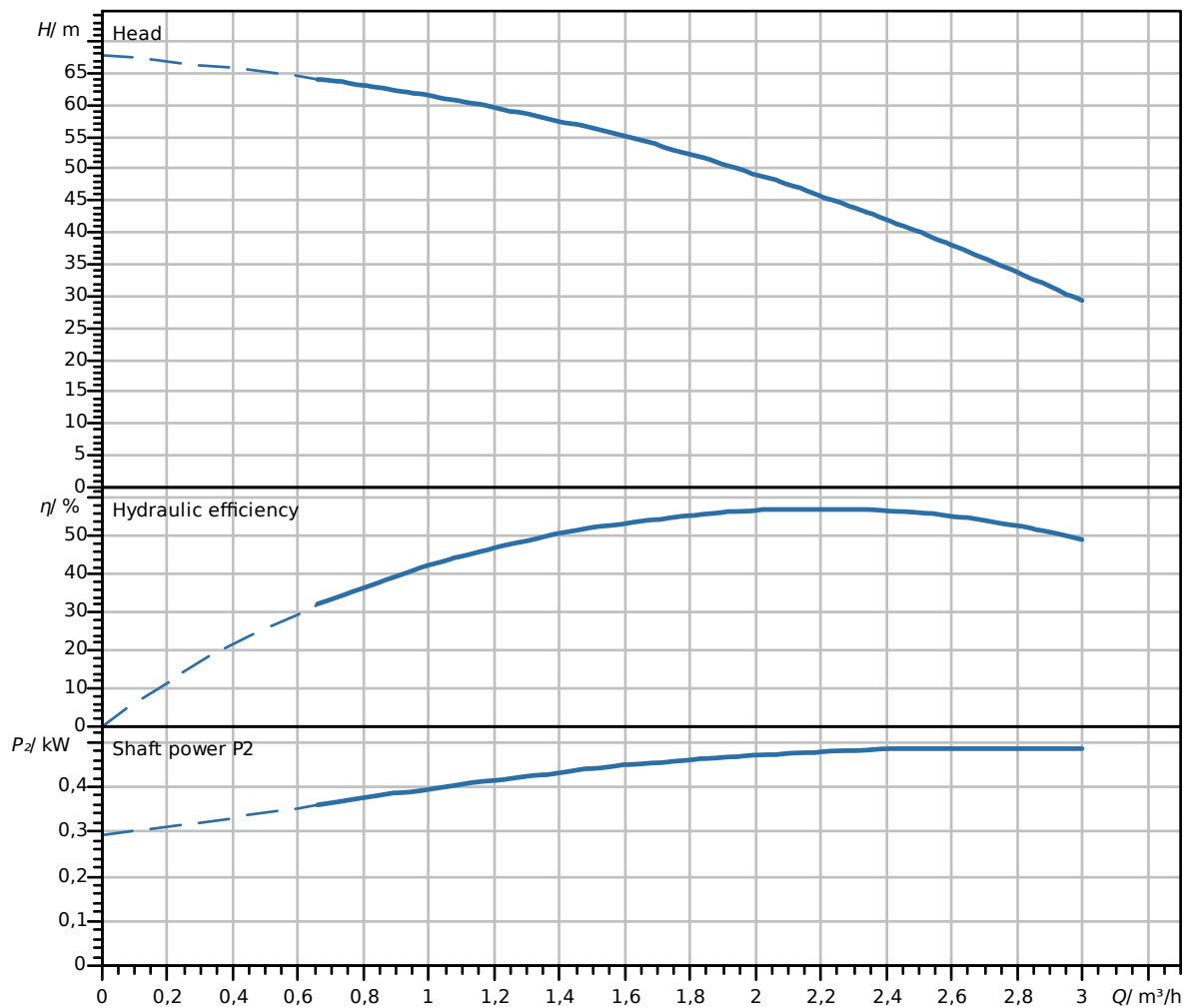
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	68,0 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-10-B/XI4-50-3-400
Article number	<b>6083363</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	11 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Starting current $I$	25 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,95
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

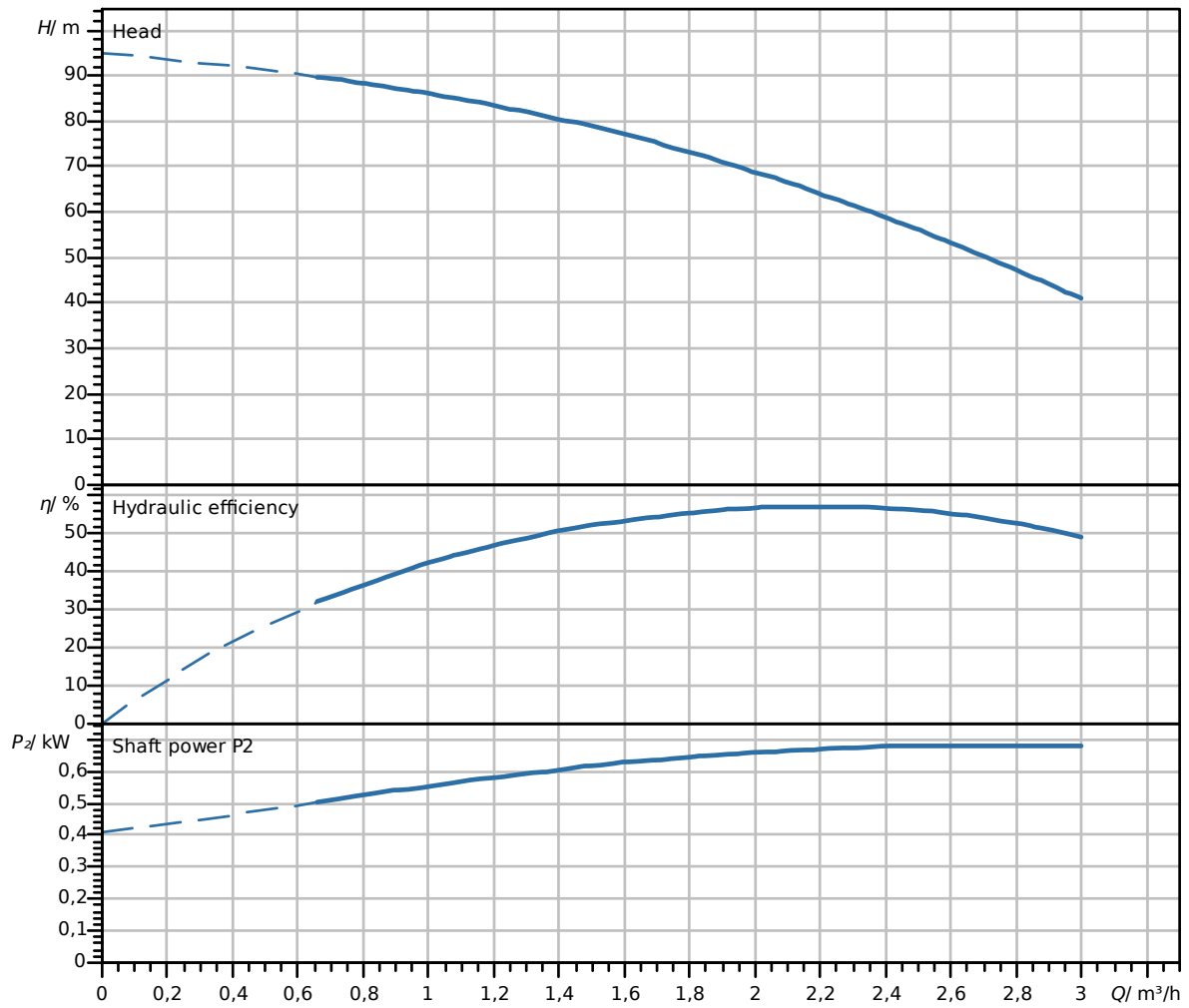
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	95,1 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	14,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	14,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-14-B/XI4-50-1-230
Article number	<b>6083325</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	11 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Starting current $I$	10,2 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

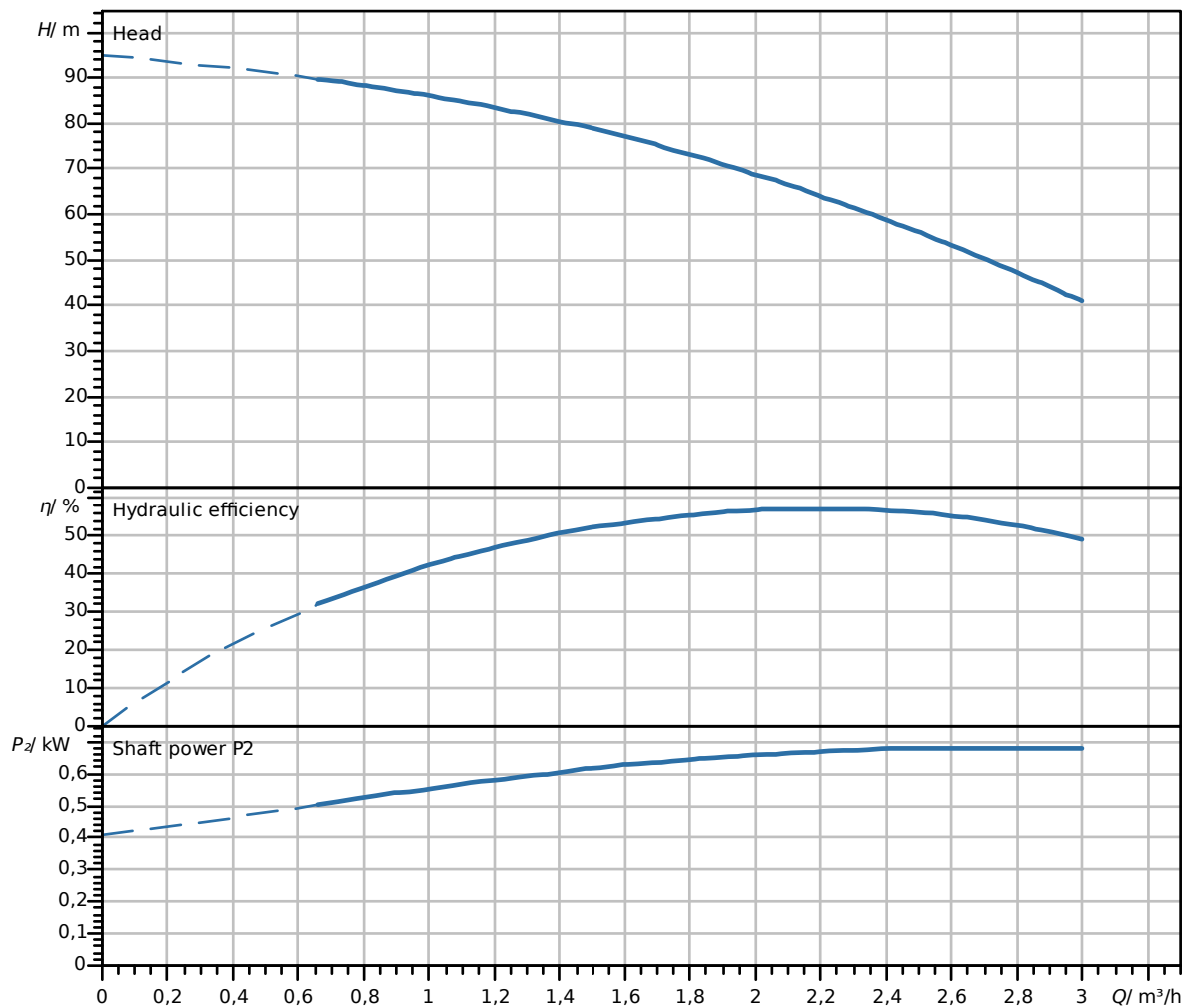
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	95,1 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-14-B/XI4-50-3-400
Article number	<b>6083364</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	16 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Starting current $I$	37 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,91
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

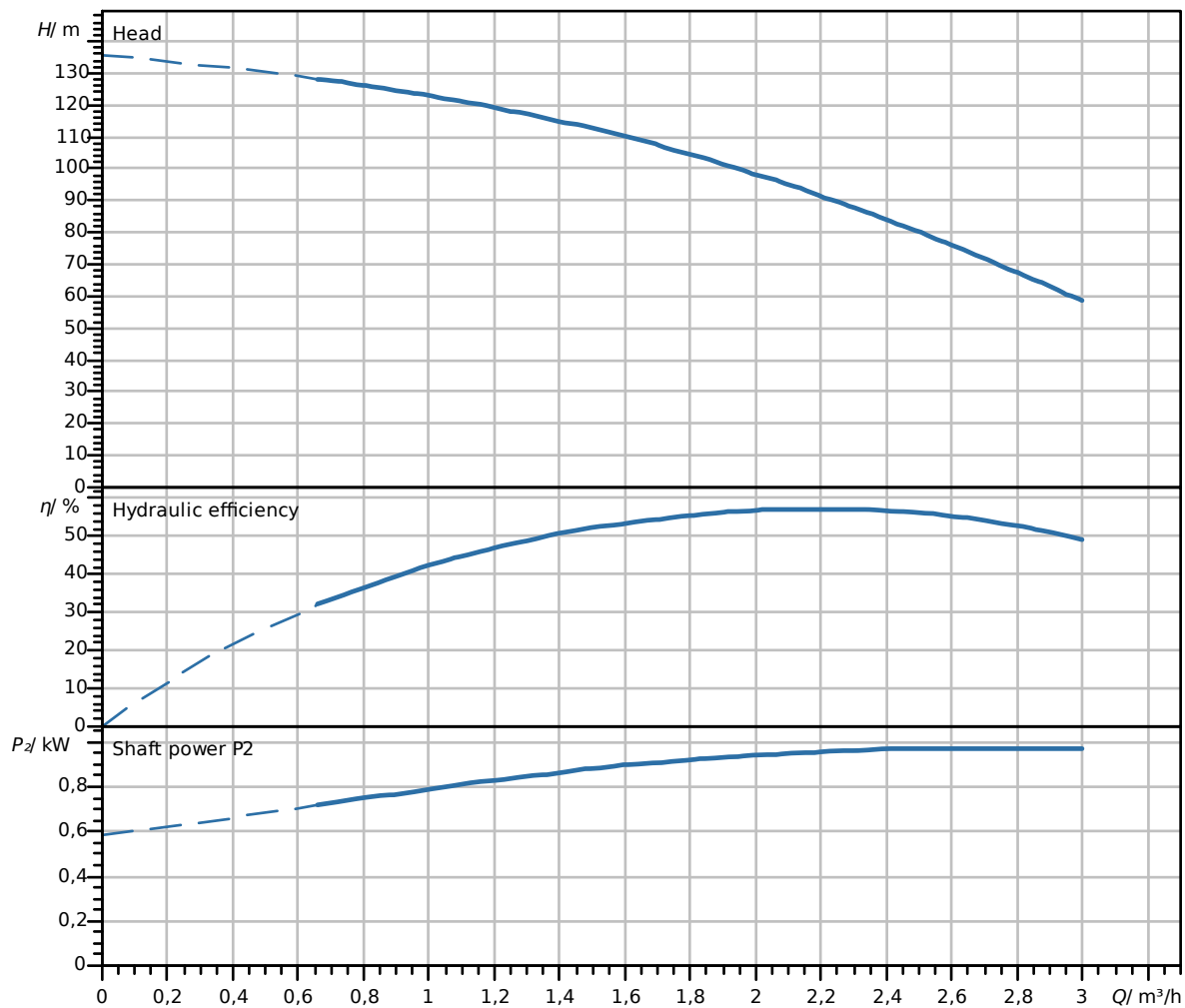
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	135,9 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	17,1 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	17,1 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-20-B/XI4-50-1-230
Article number	<b>6083326</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	16 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Starting current $I$	17,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

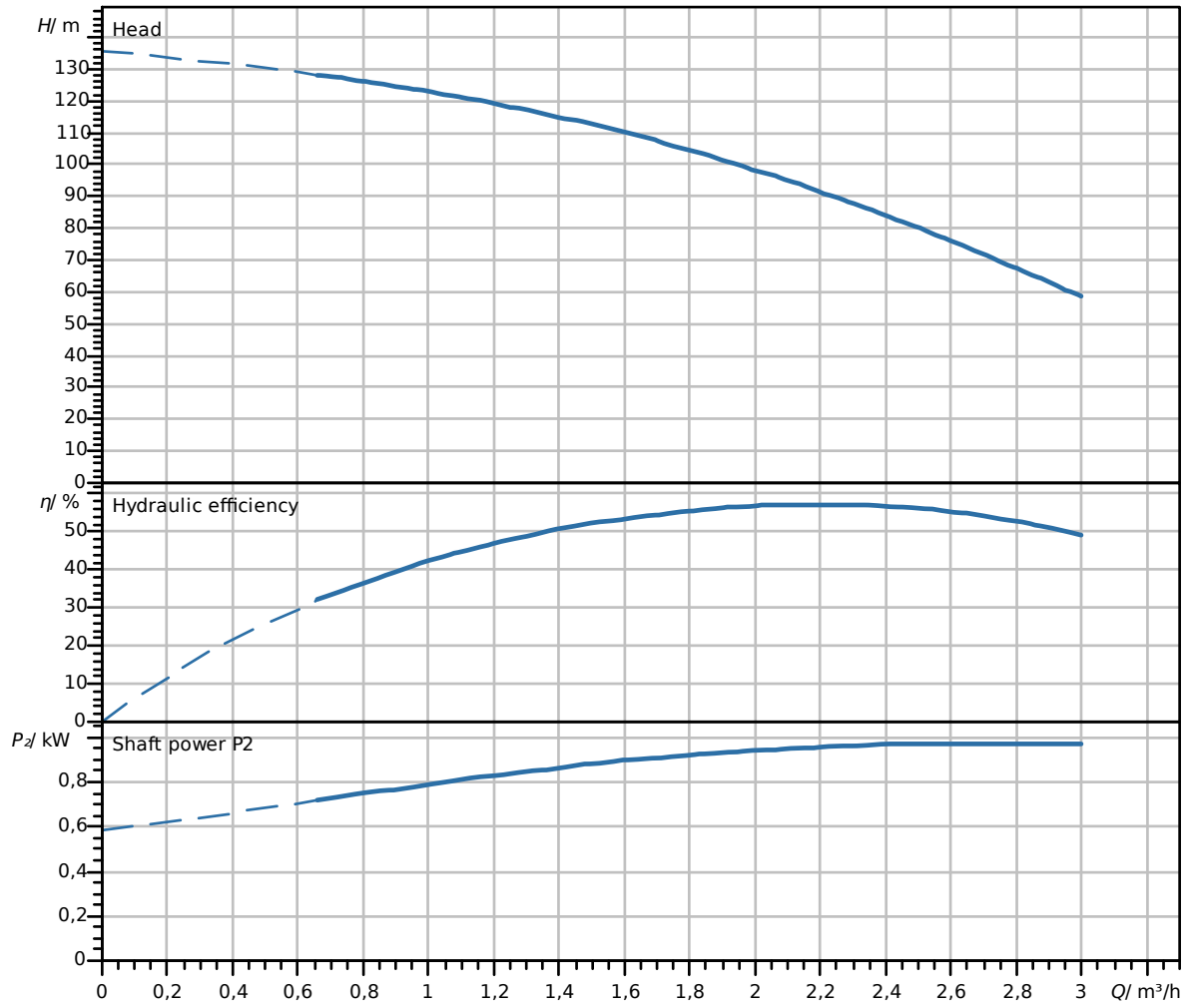
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	135,9 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	15,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	15,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.02-20-B/XI4-50-3-400
Article number	<b>6083365</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Starting current $I$	15,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,93
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

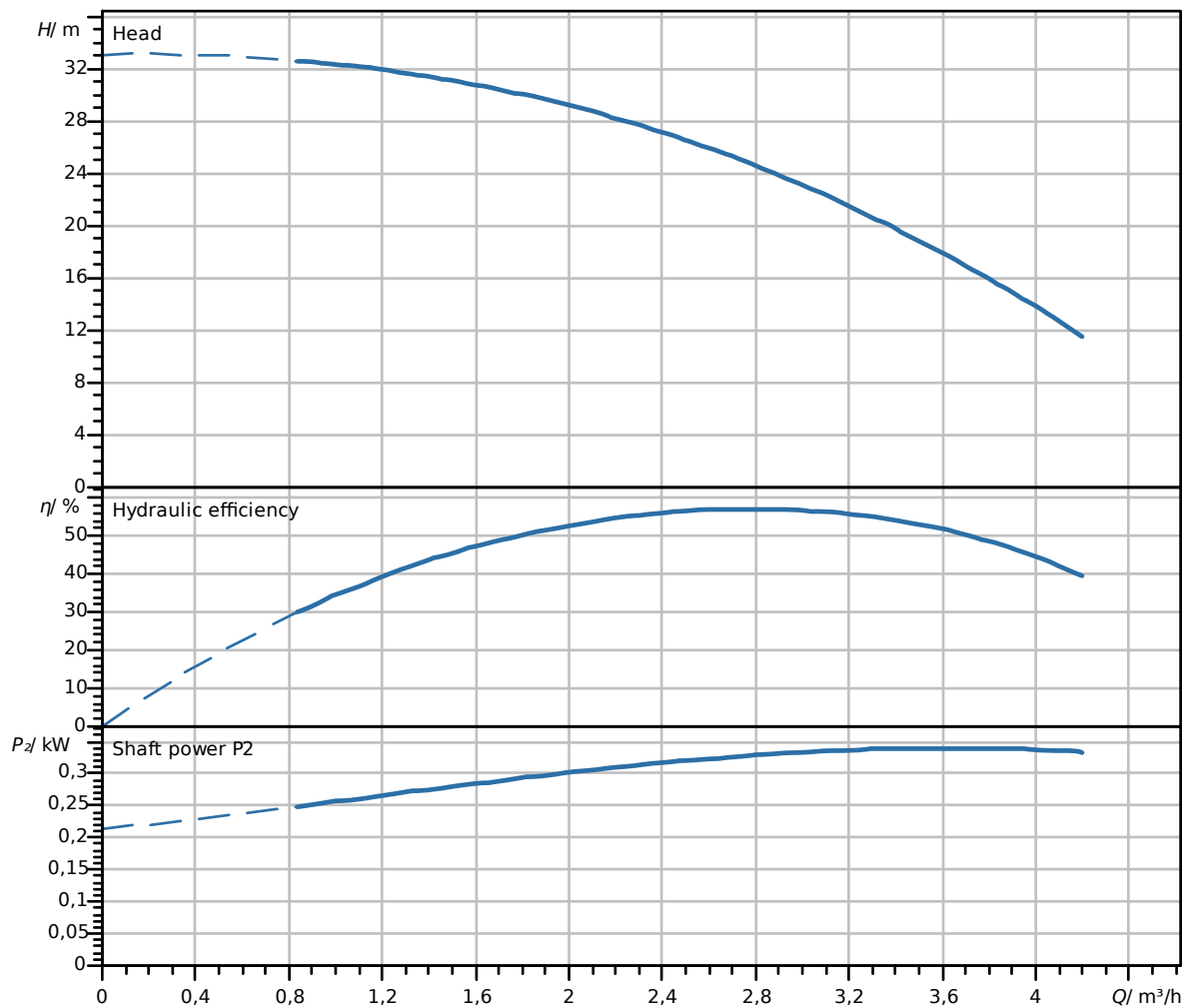
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

### Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	33,1 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-05-B/XI4-50-1-230
Article number	<b>6083327</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Starting current $I$	5,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,74
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

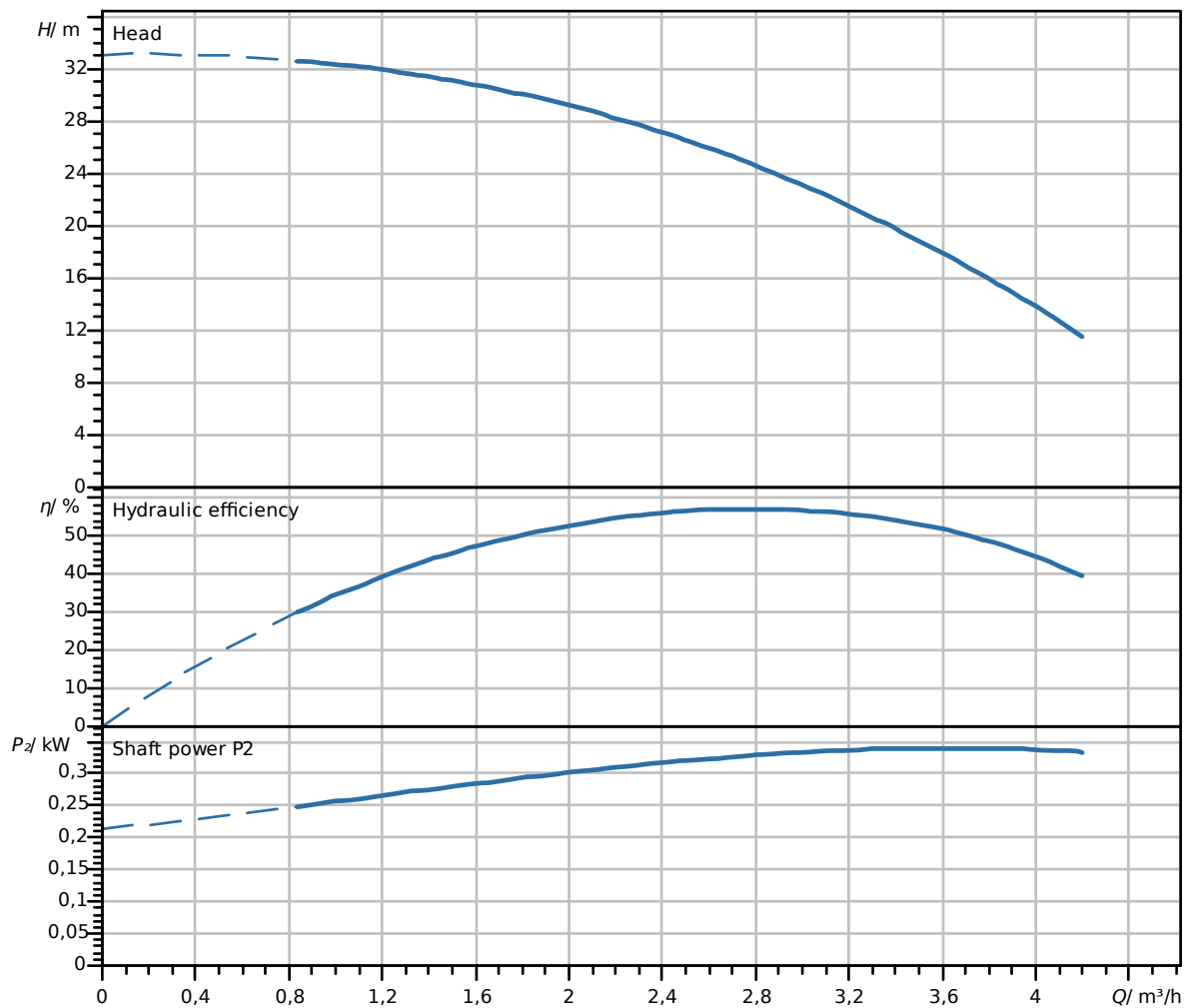
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

### Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	33,1 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	10,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).

## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	10,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-05-B/XI4-50-3-400
Article number	<b>6083366</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Starting current $I$	22 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,94
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

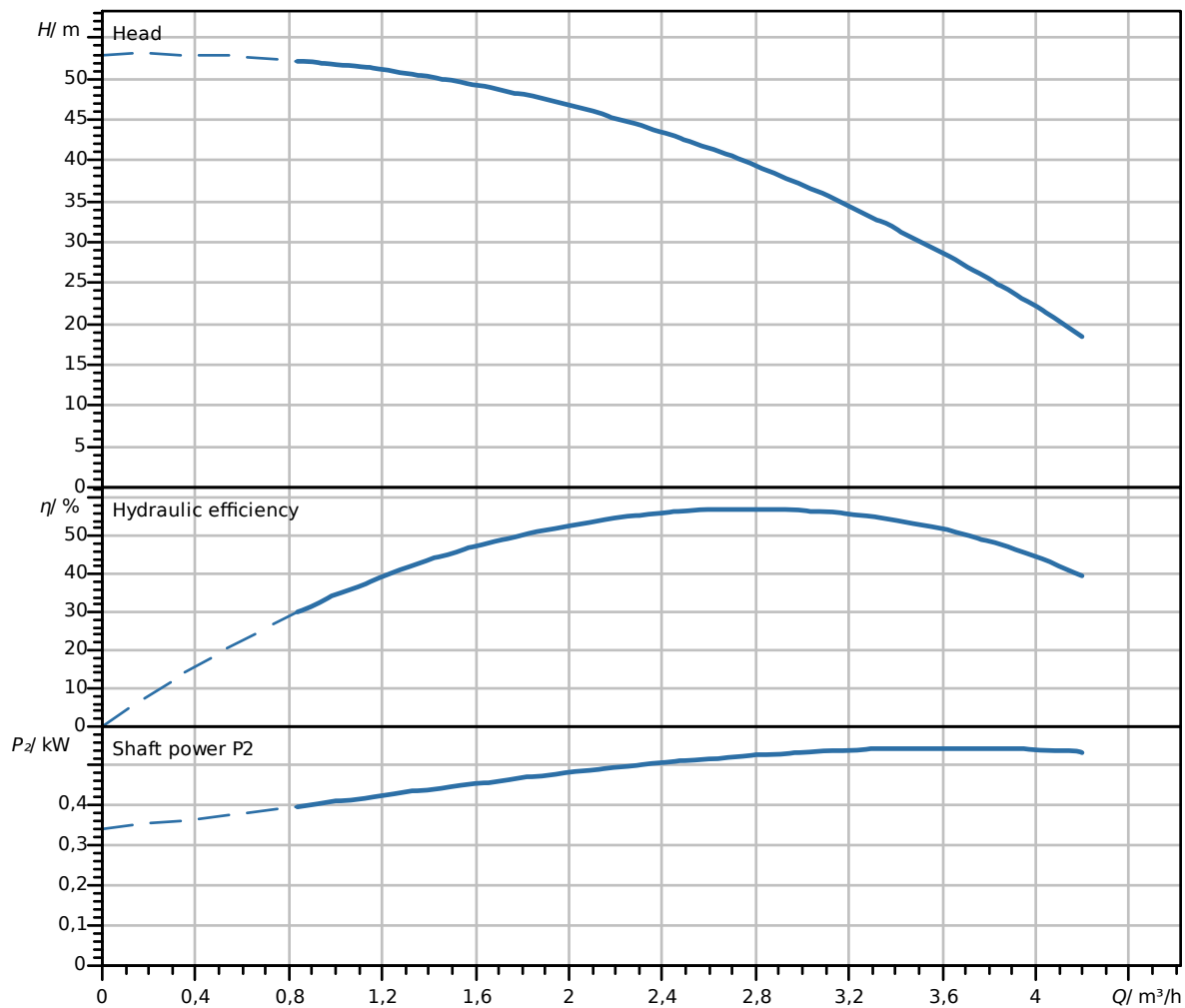
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DN_d$	Rp 1¼
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### Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	53,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-08-B/XI4-50-1-230
Article number	<b>6083328</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Starting current $I$	7,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,72
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

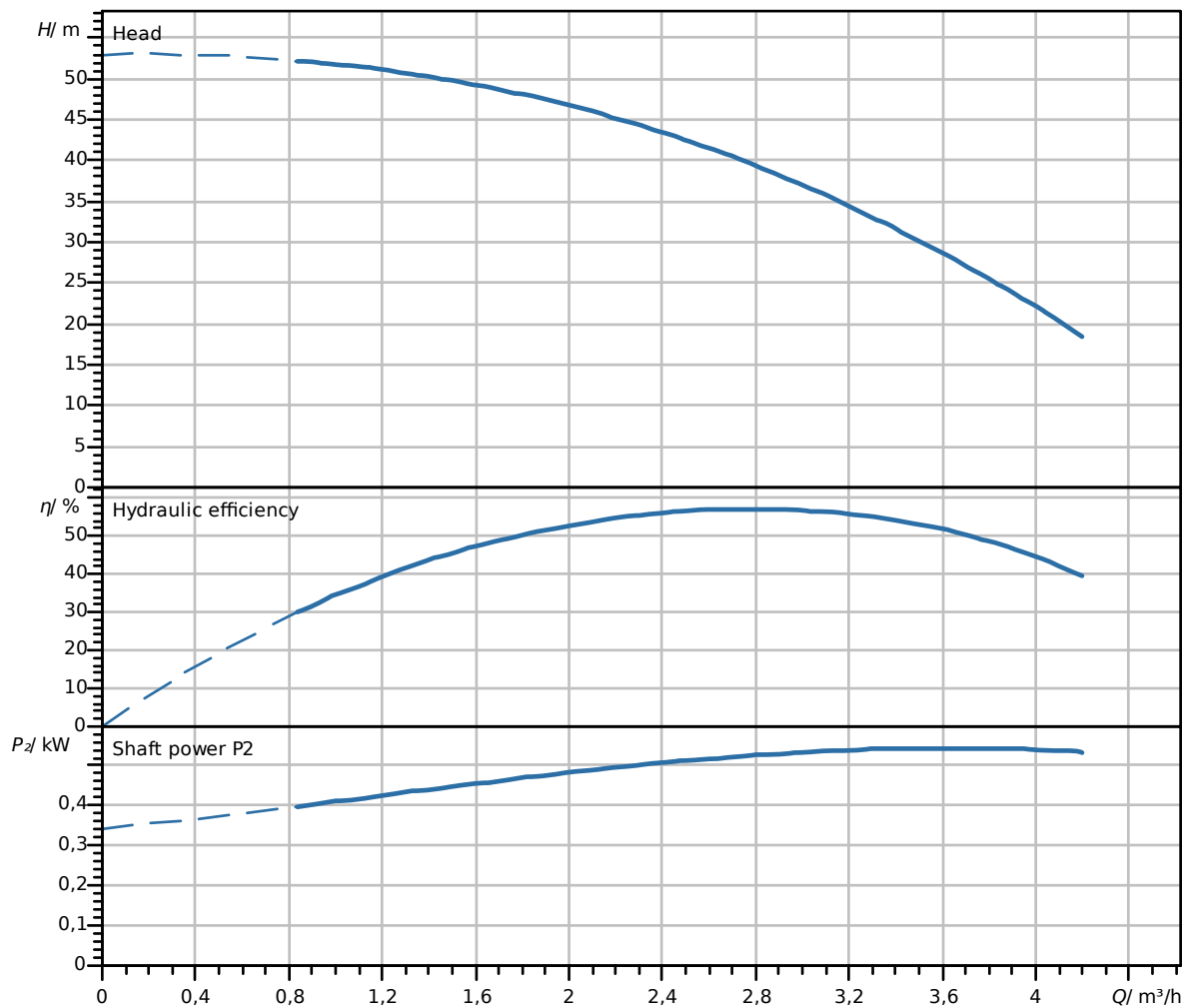
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	53,0 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-08-B/XI4-50-3-400
Article number	<b>6083367</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	8 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Starting current $I$	25 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,95
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

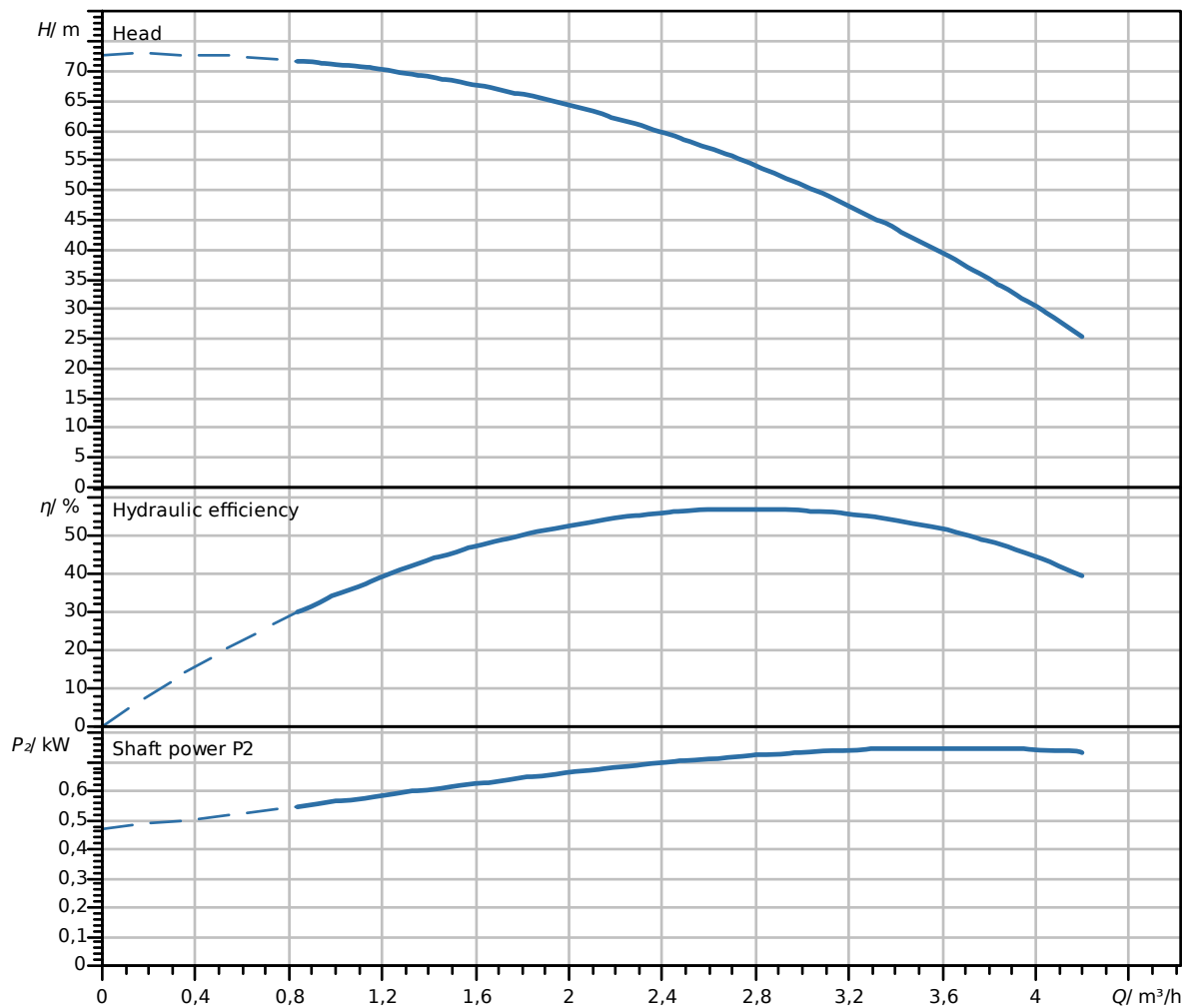
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	72,9 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).

## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-11-B/XI4-50-1-230
Article number	<b>6083329</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	8 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Starting current $I$	10,2 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

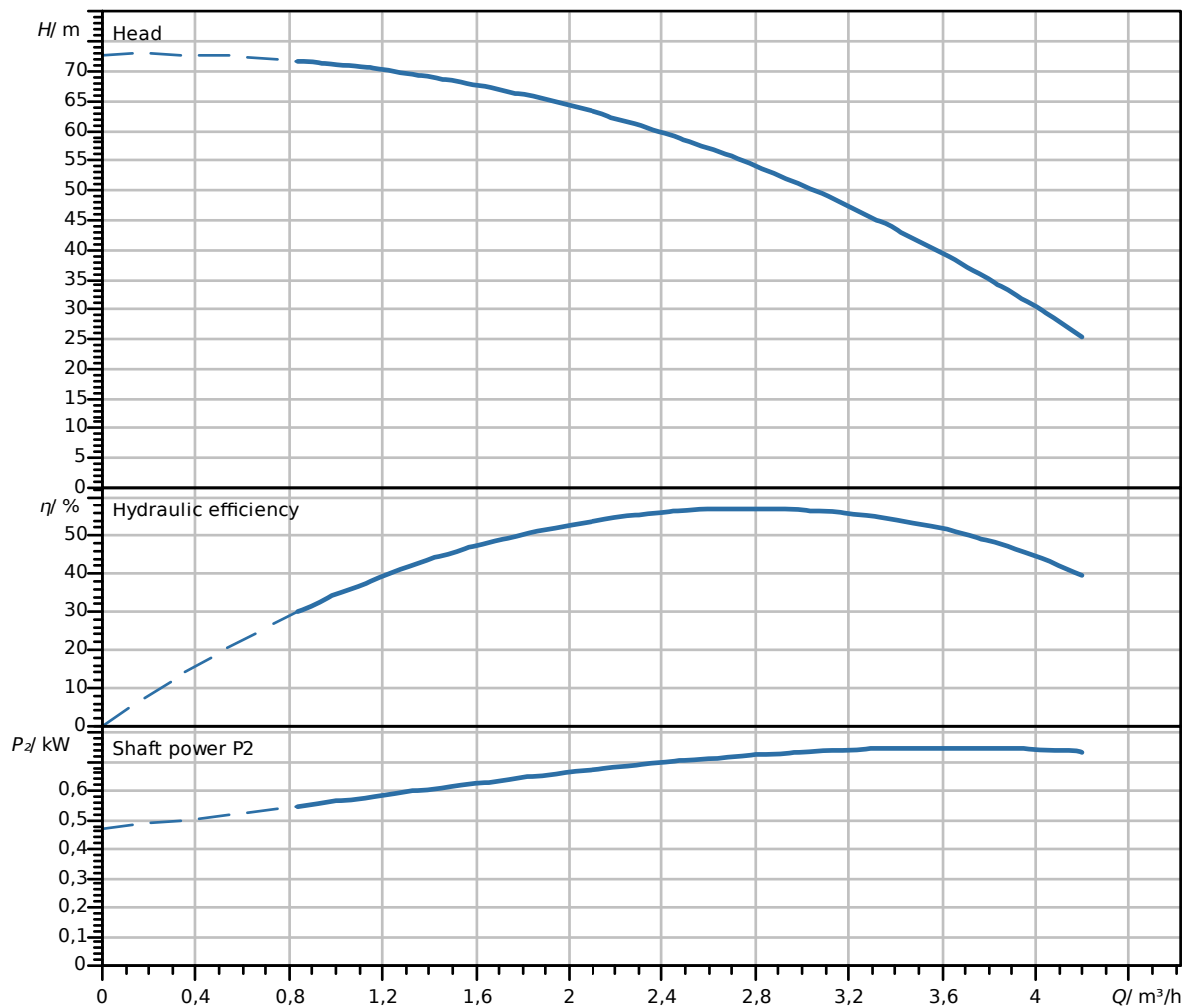
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	72,9 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-11-B/XI4-50-3-400
Article number	<b>6083368</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	12 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Starting current $I$	37 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,91
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

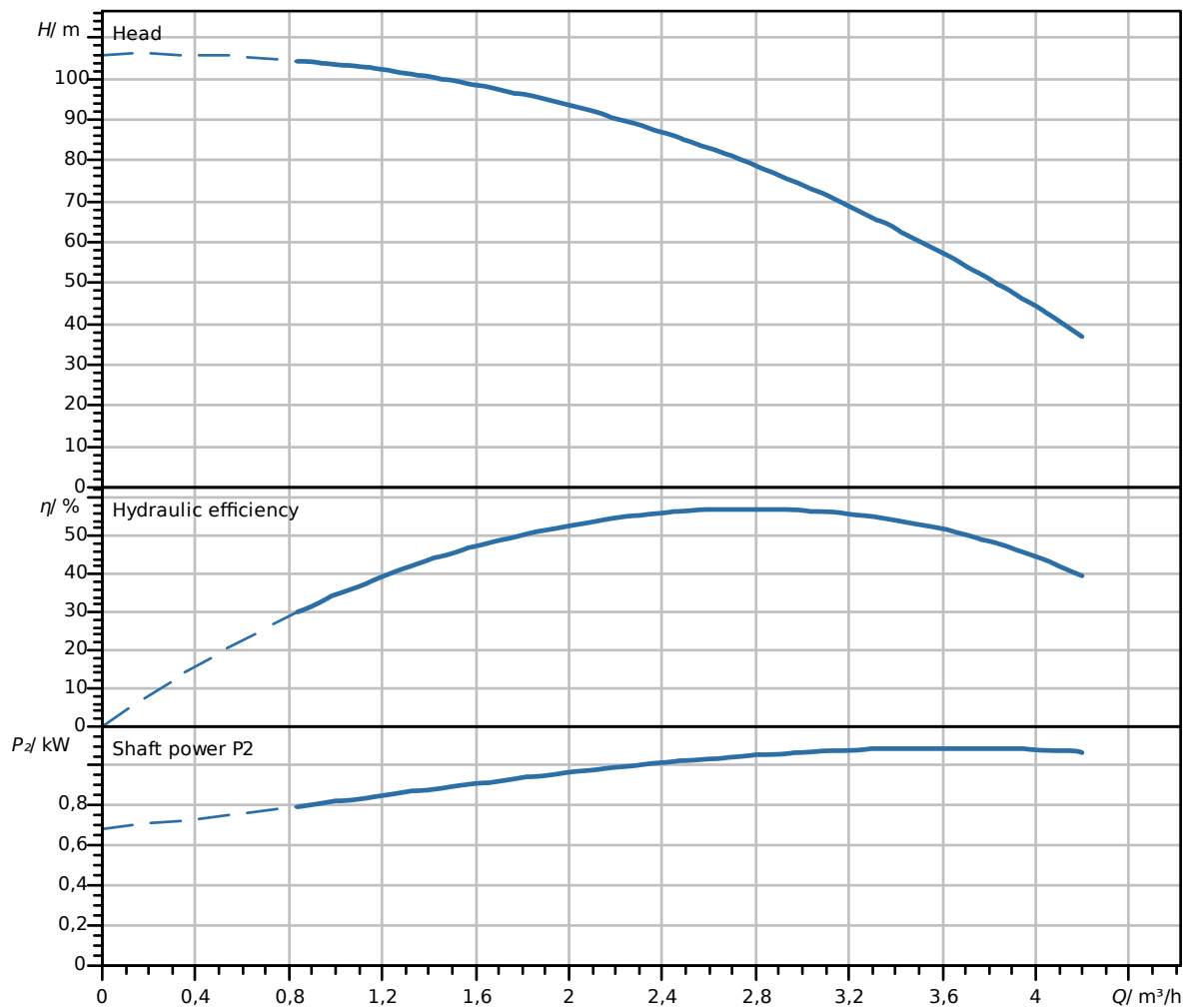
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	106,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	16,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	16,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-16-B/XI4-50-1-230
Article number	<b>6083330</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	12 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Starting current $I$	17,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

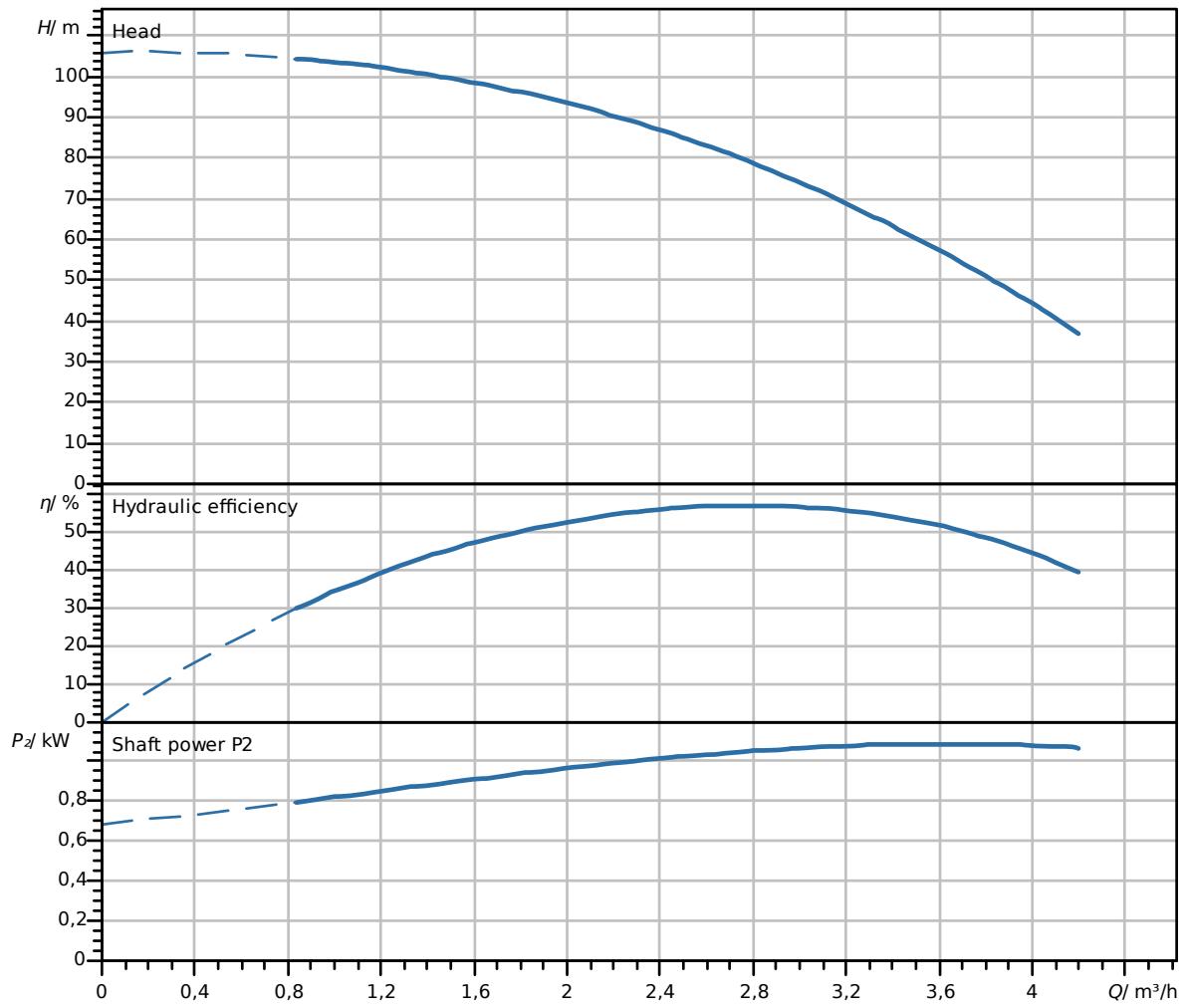
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	106,0 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	14,7 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	14,7 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-16-B/XI4-50-3-400
Article number	<b>6083369</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	15 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Starting current $I$	44 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,92
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

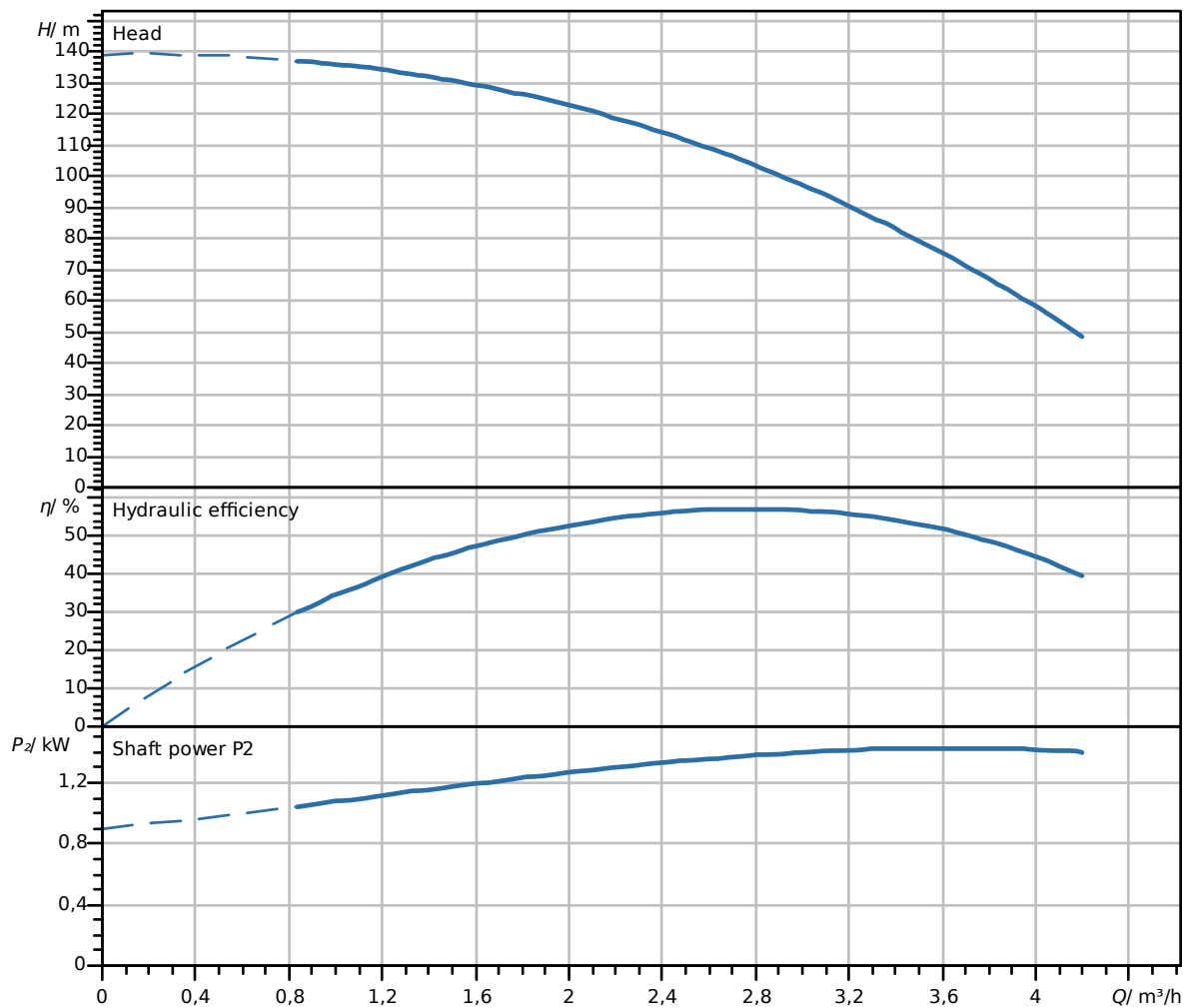
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	139,2 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	18,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	18,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-21-B/XI4-50-1-230
Article number	<b>6083331</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	15 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Starting current $I$	24,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,77
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

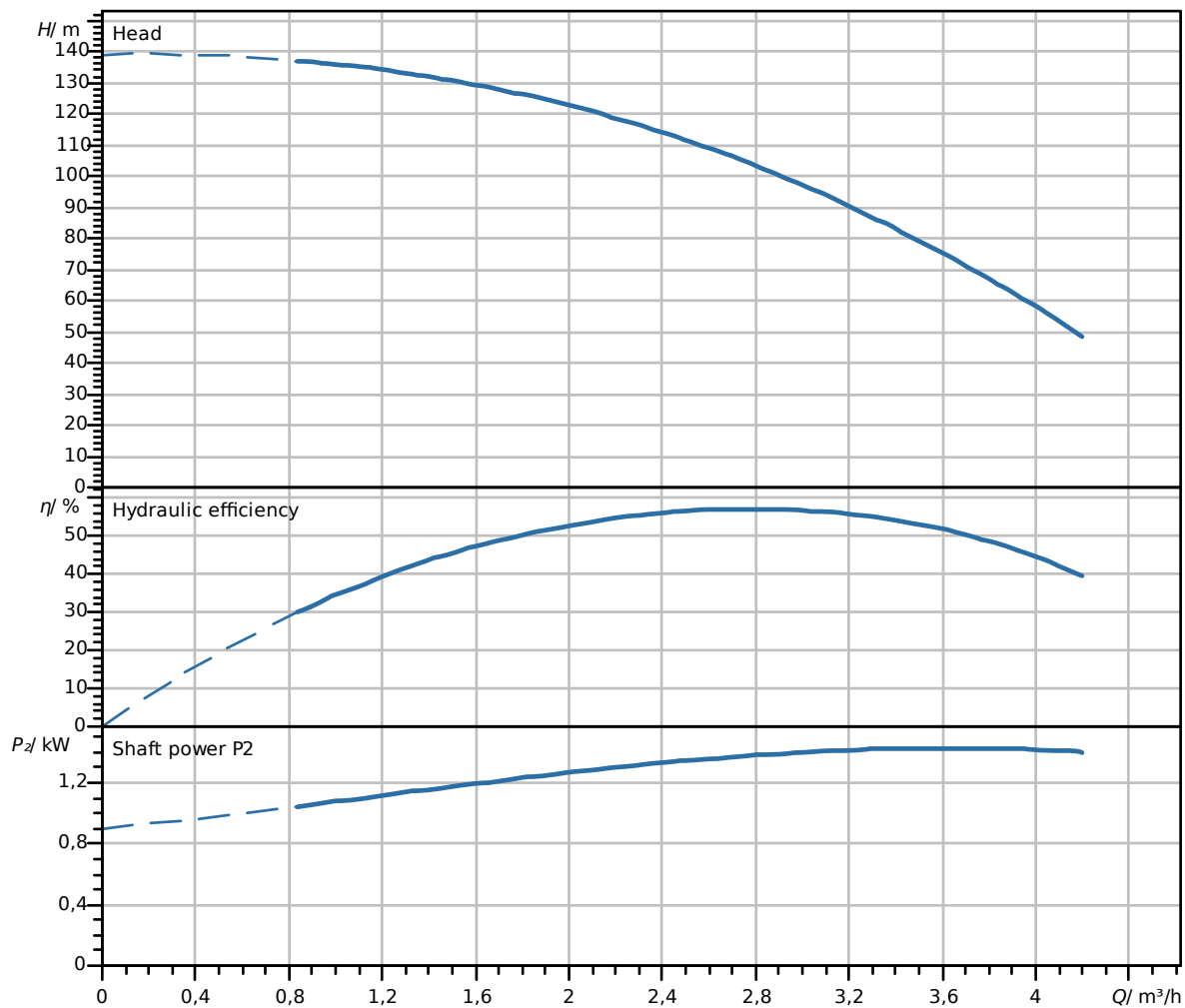
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

### Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	139,2 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	17,6 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	17,6 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-21-B/XI4-50-3-400
Article number	<b>6083370</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	23 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Starting current $I$	64 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,97
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

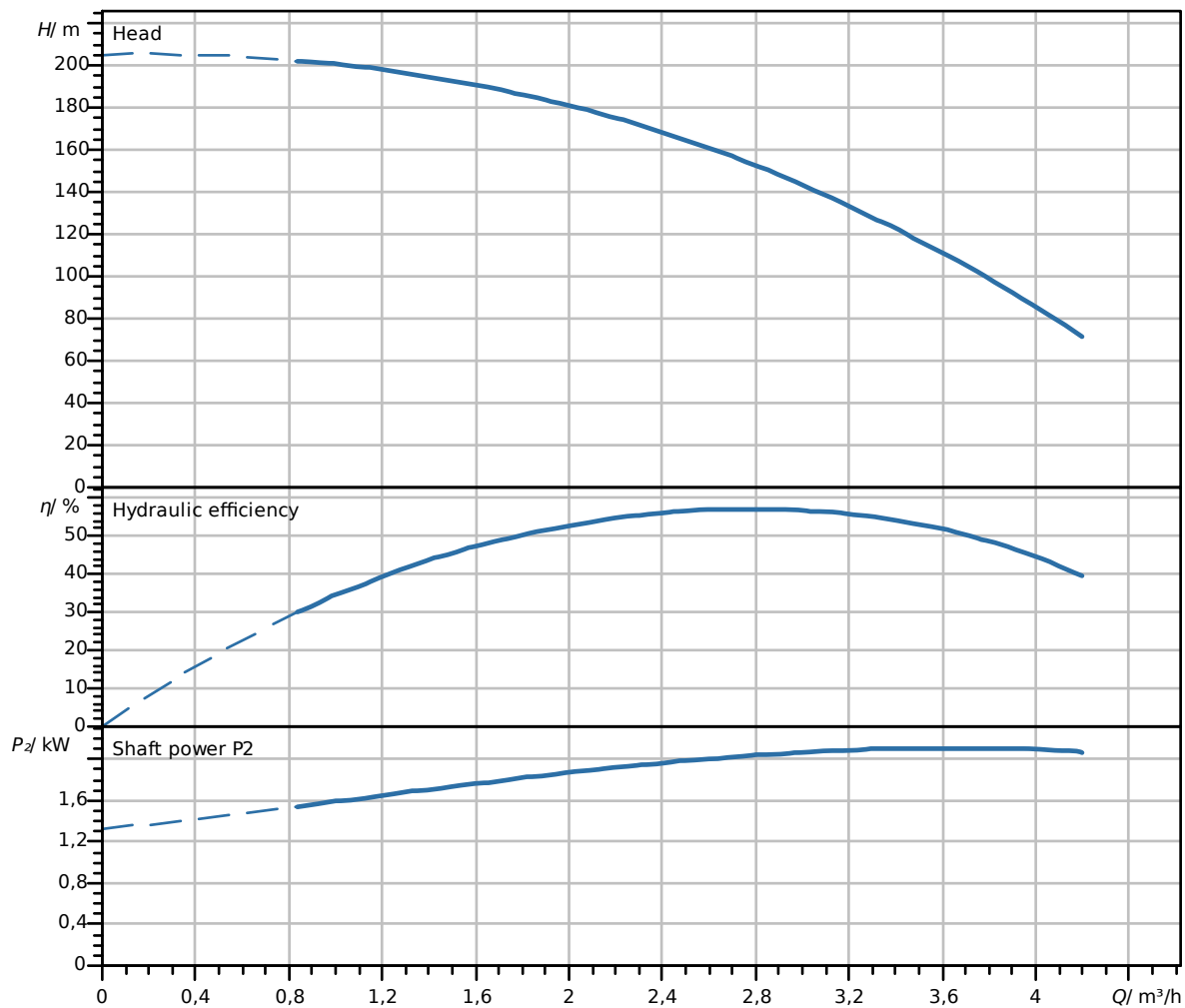
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	205,4 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	26,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	26,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-32-B/XI4-50-1-230
Article number	<b>6083332</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	23 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Starting current $I$	38,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

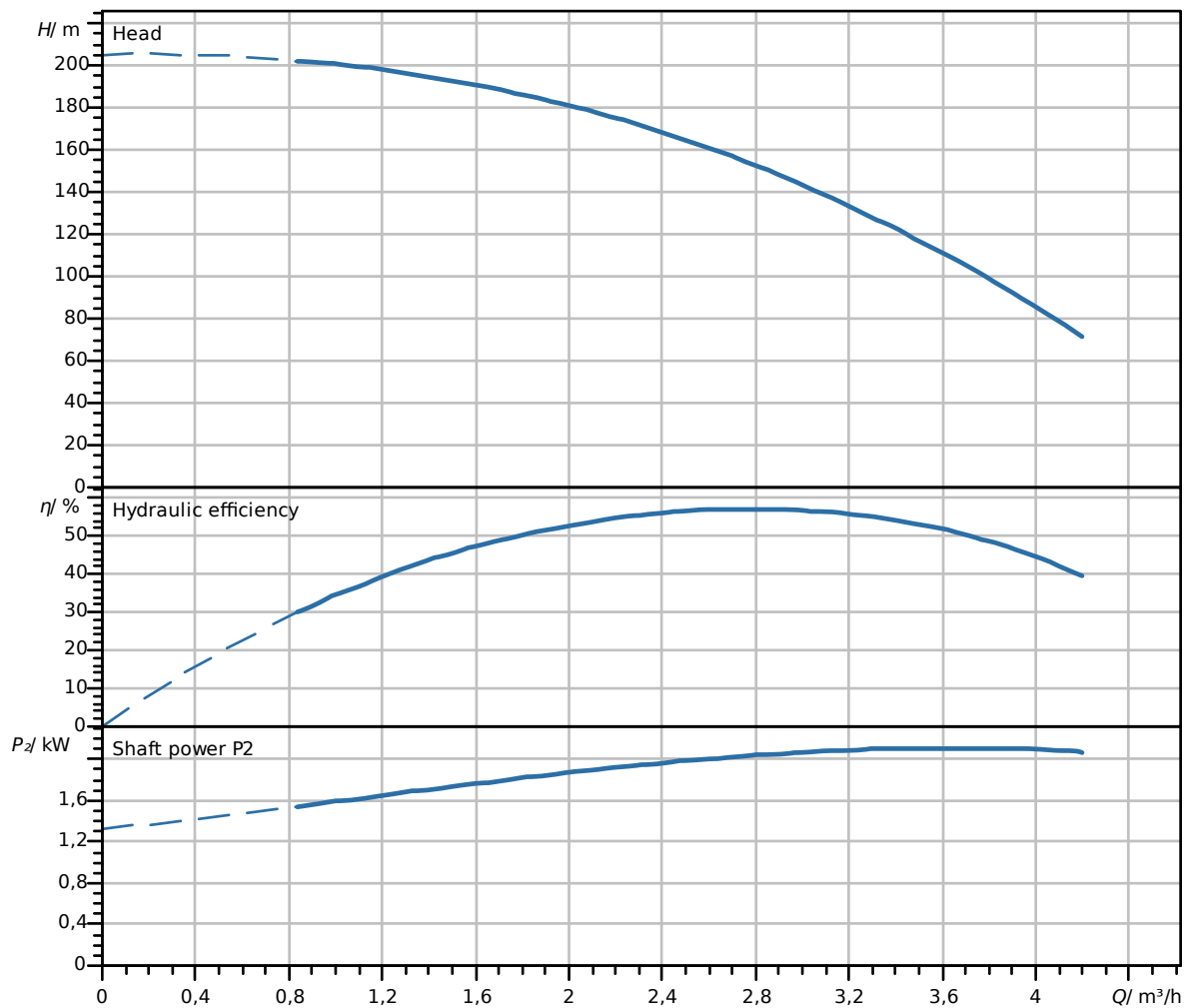
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	205,4 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	22,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3-400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	22,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.03-32-B/XI4-50-3-400
Article number	<b>6083371</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Starting current $I$	15,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,93
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

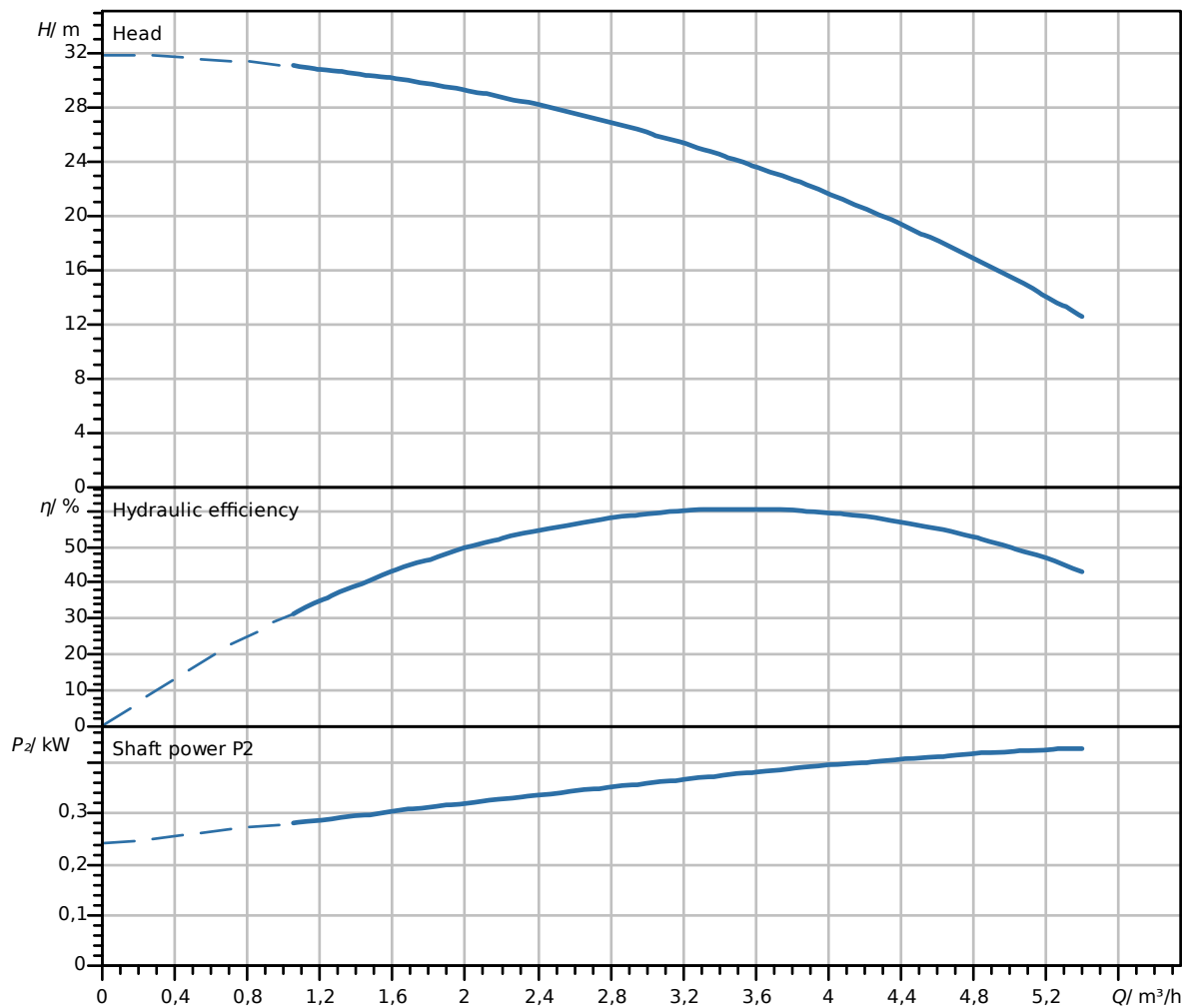
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	31,9 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).

## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-05-B/XI4-50-1-230
Article number	<b>6083333</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Starting current $I$	5,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,74
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

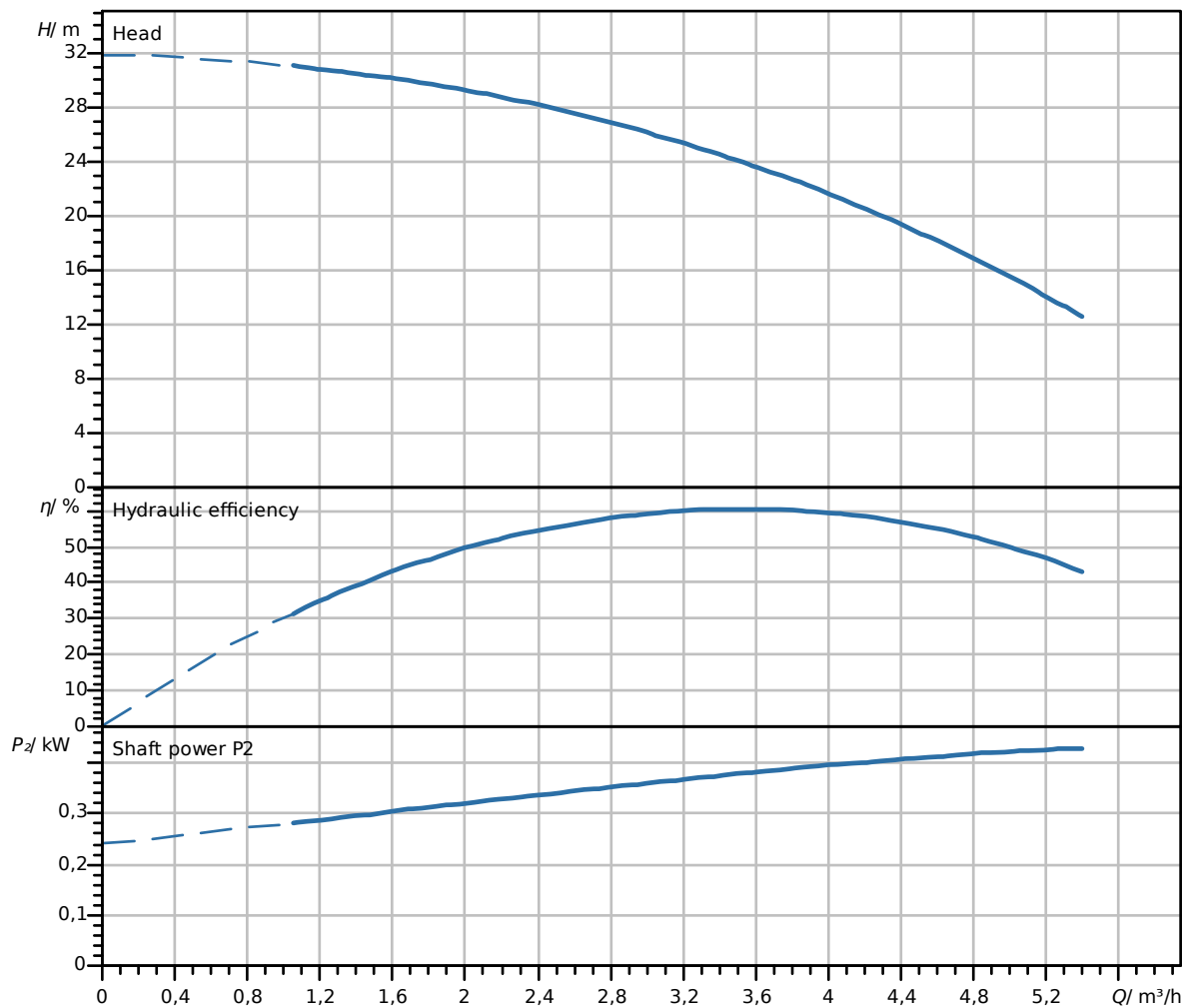
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	31,9 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	10,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	10,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-05-B/XI4-50-3-400
Article number	<b>6083372</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Starting current $I$	22 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,94
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

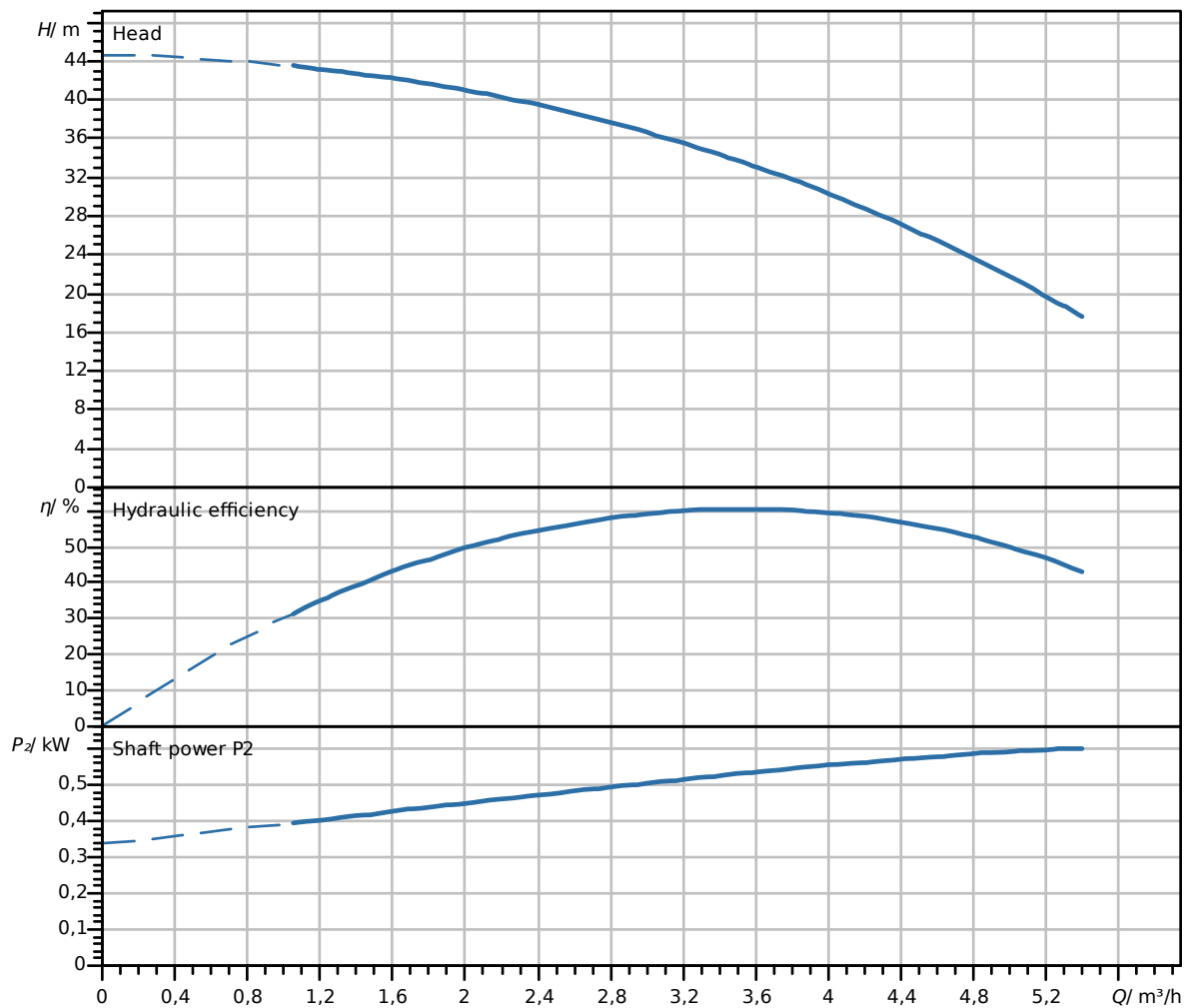
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	44,7 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-07-B/XI4-50-1-230
Article number	<b>6083334</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Starting current $I$	7,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,72
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

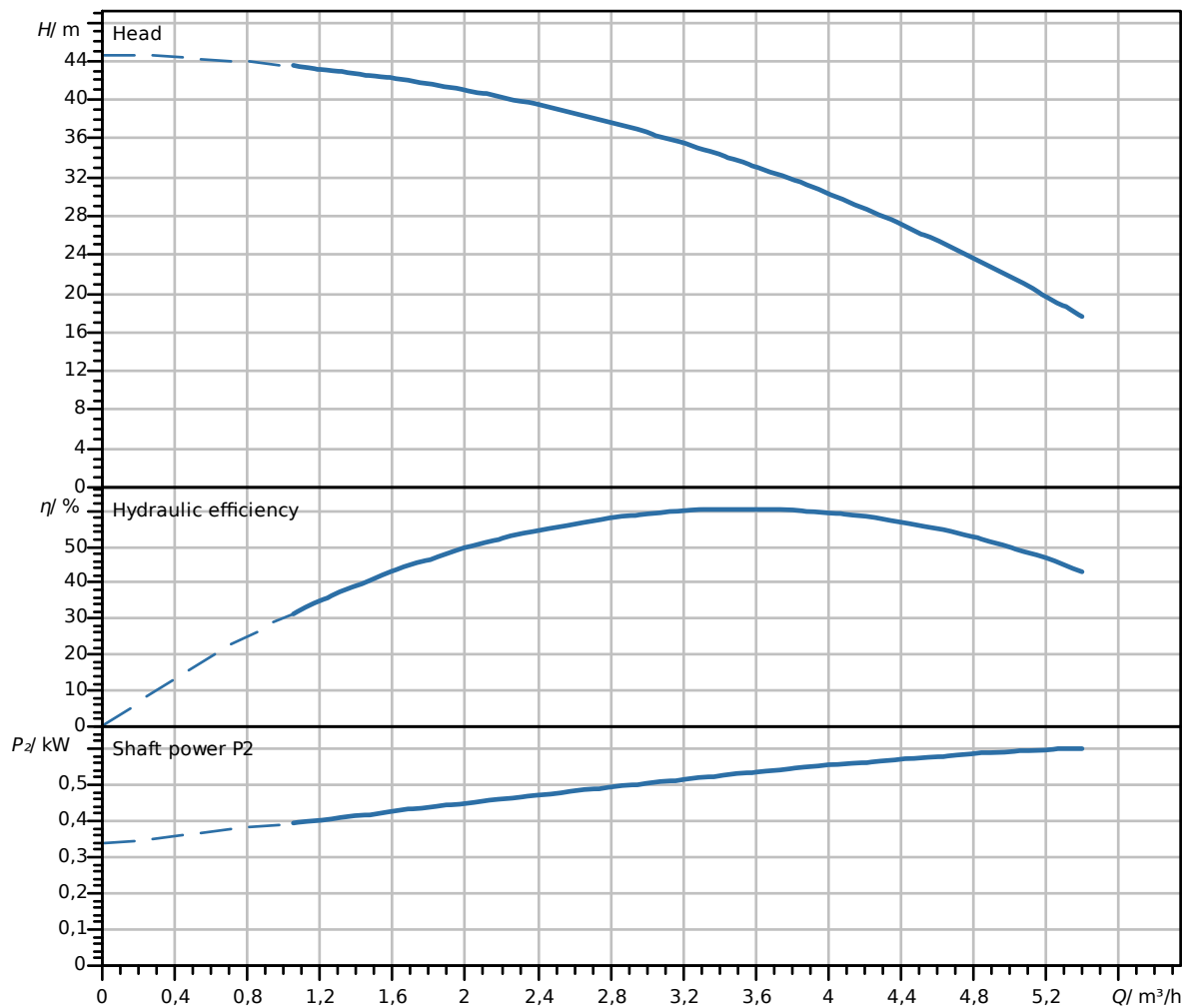
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	44,7 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,6 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,6 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-07-B/XI4-50-3-400
Article number	<b>6083373</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Starting current $I$	25 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,95
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

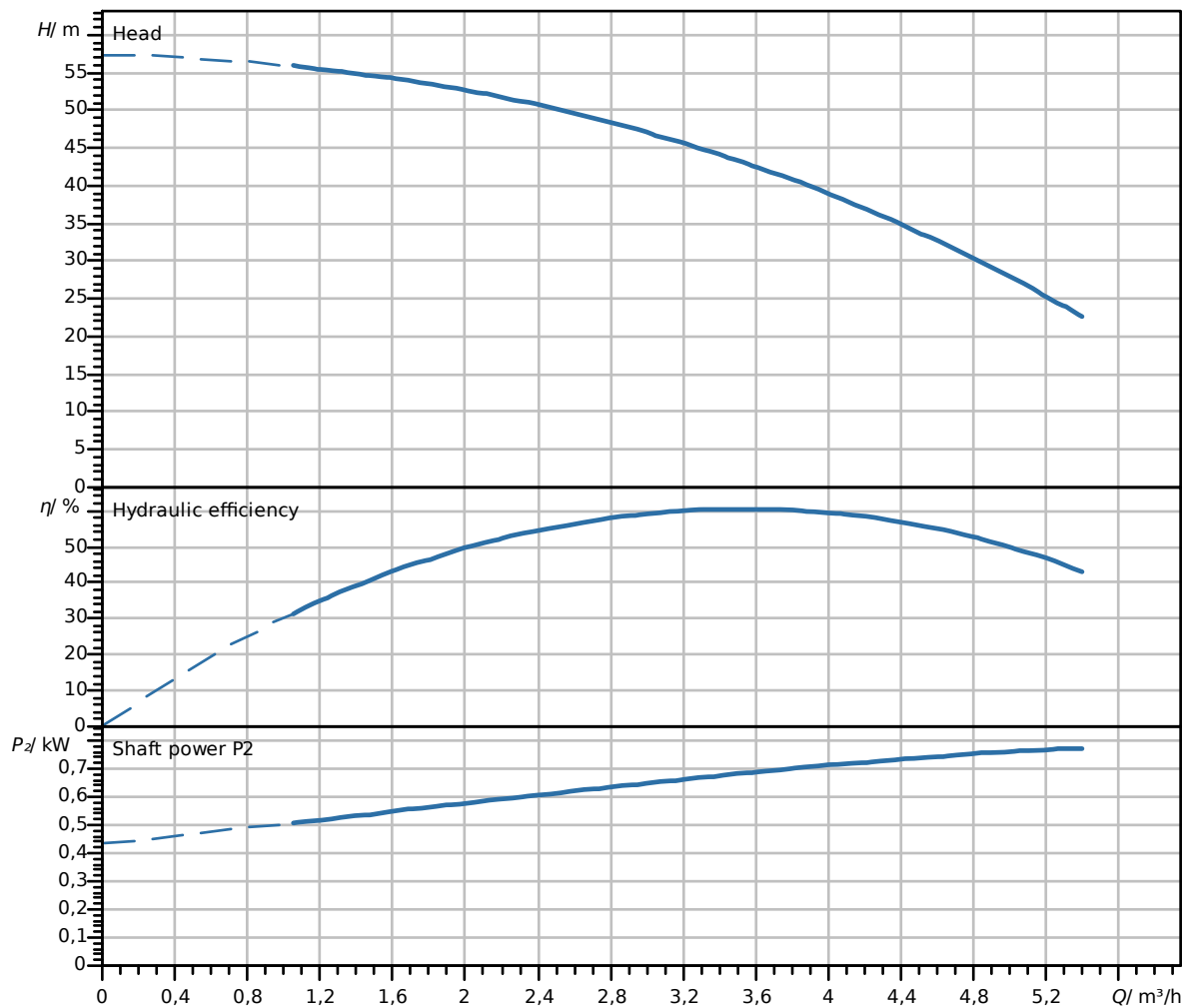
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DN_d$	Rp 1¼
----------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	57,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-09-B/XI4-50-1-230
Article number	<b>6083335</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Starting current $I$	10,2 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

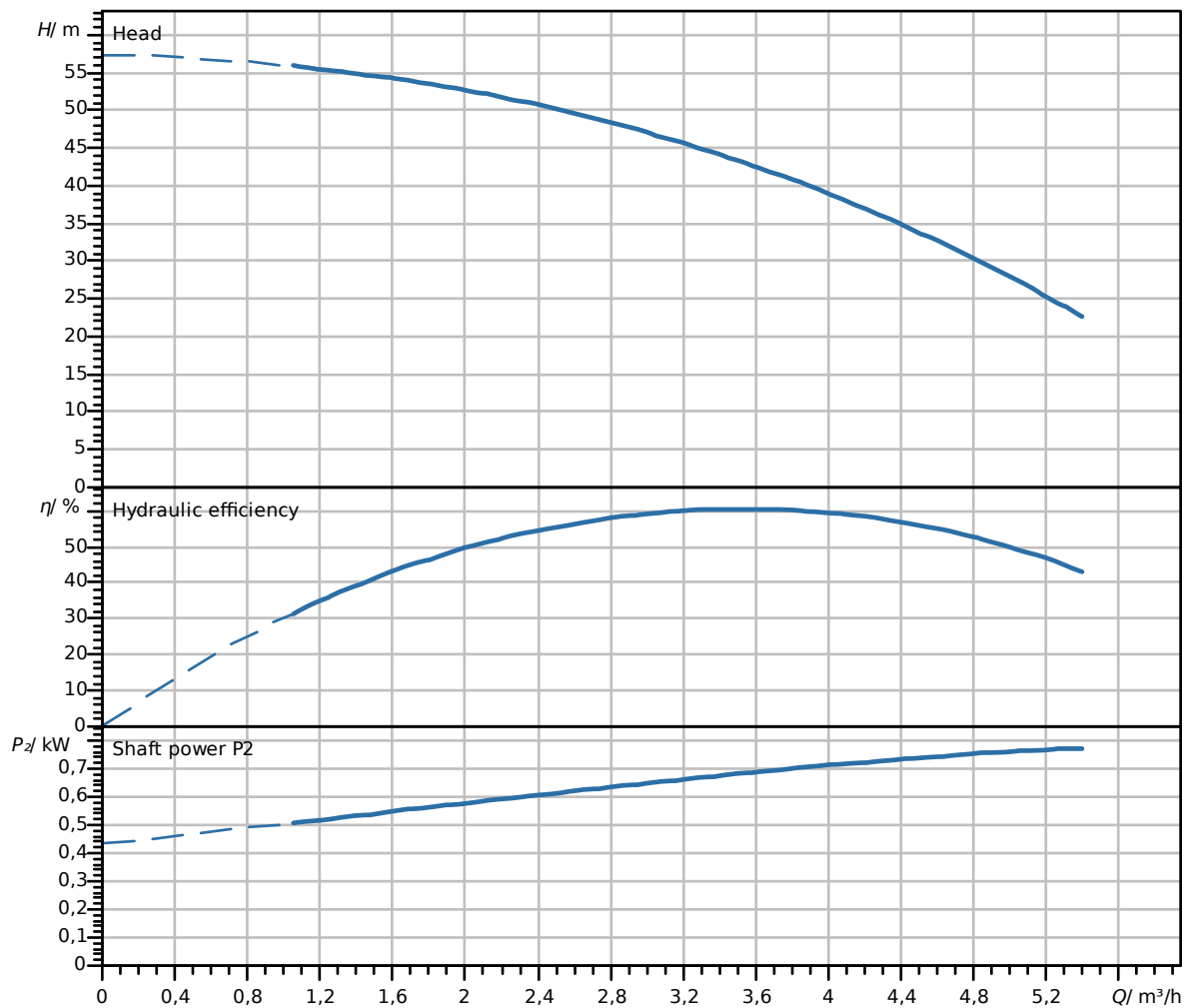
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	57,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-09-B/XI4-50-3-400
Article number	<b>6083374</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	10 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Starting current $I$	37 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,91
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

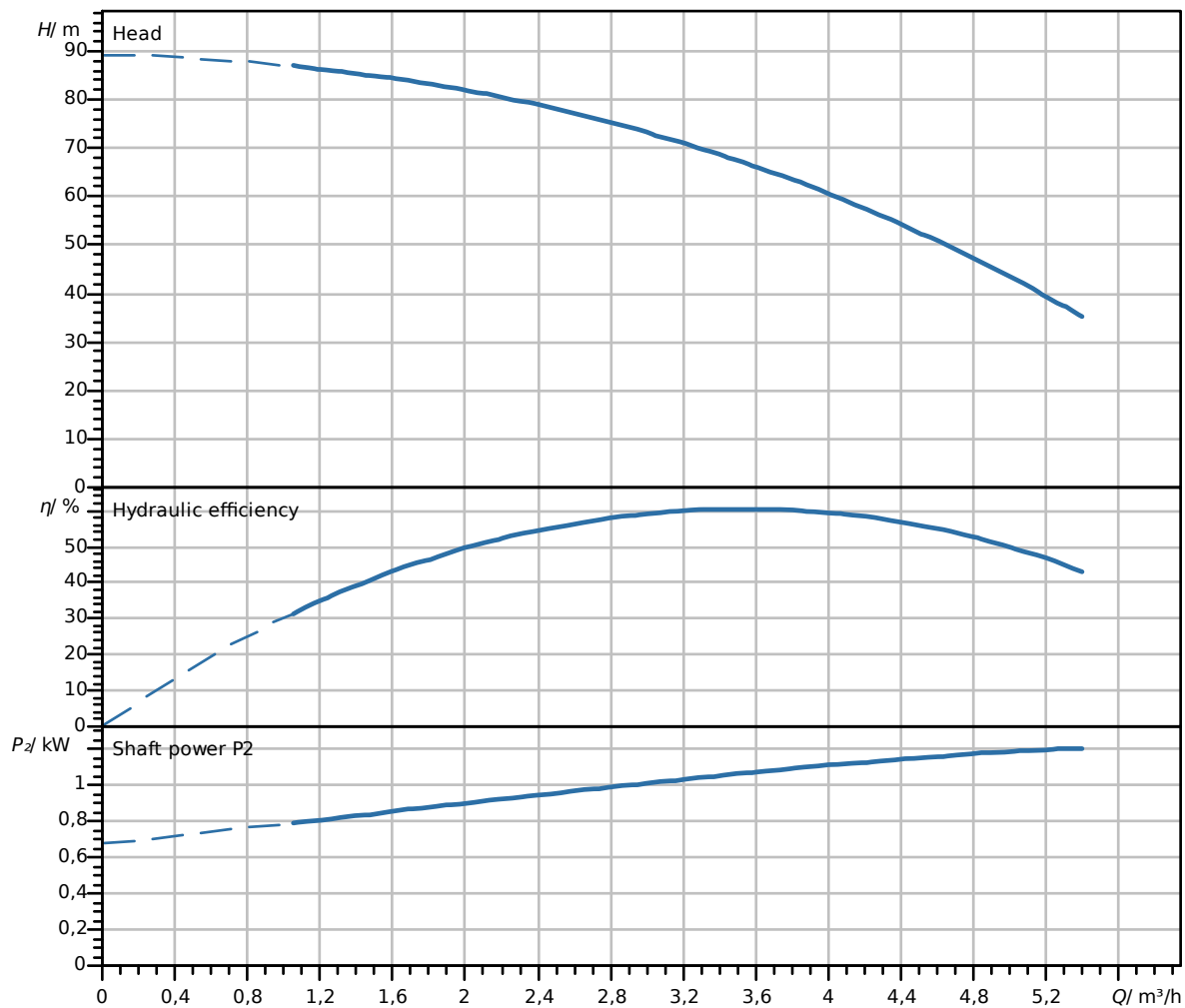
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	89,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	16,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	16,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-14-B/XI4-50-1-230
Article number	<b>6083336</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	10 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Starting current $I$	17,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

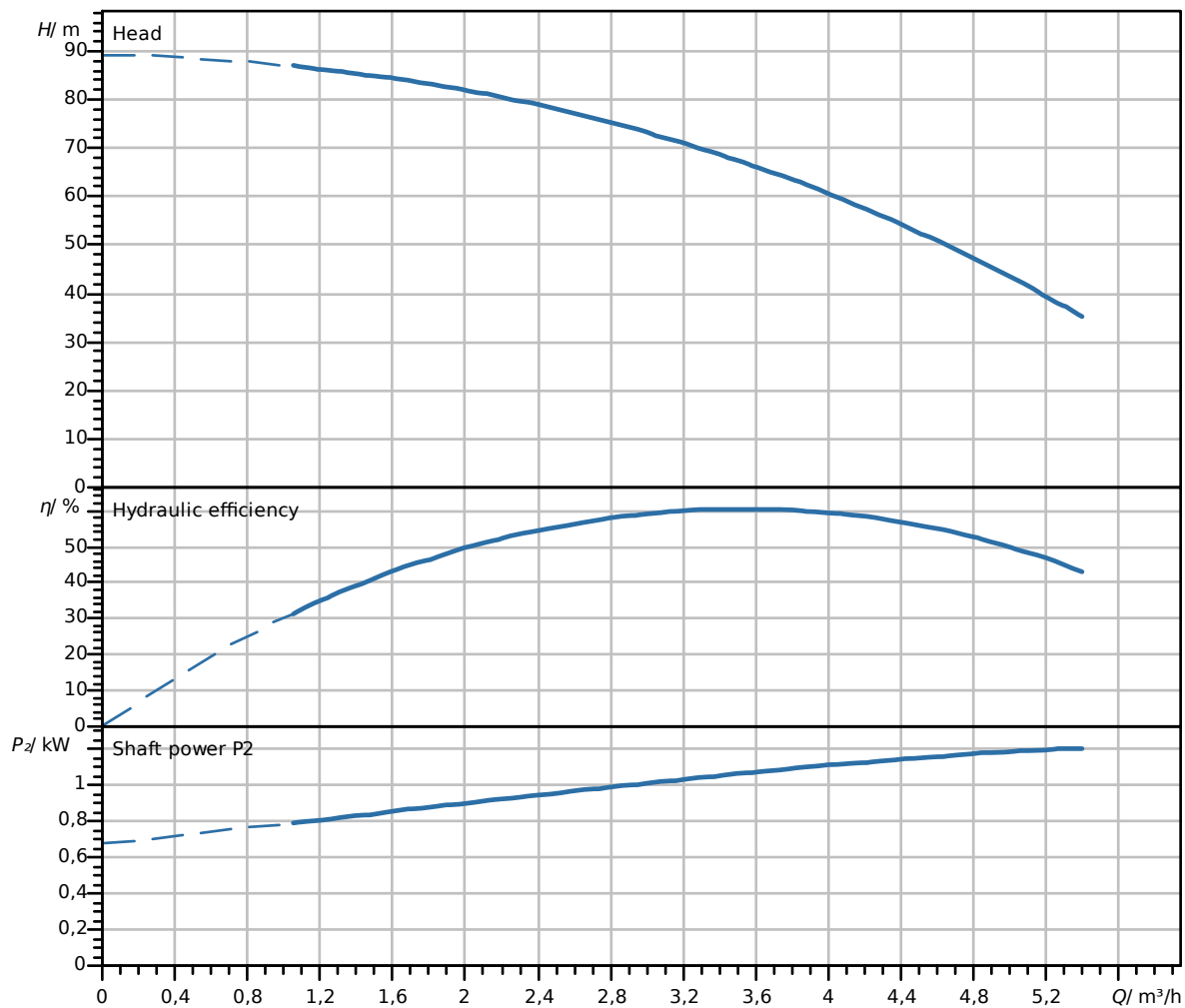
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	89,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	14,6 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	14,6 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-14-B/XI4-50-3-400
Article number	<b>6083375</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	13 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Starting current $I$	44 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,92
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

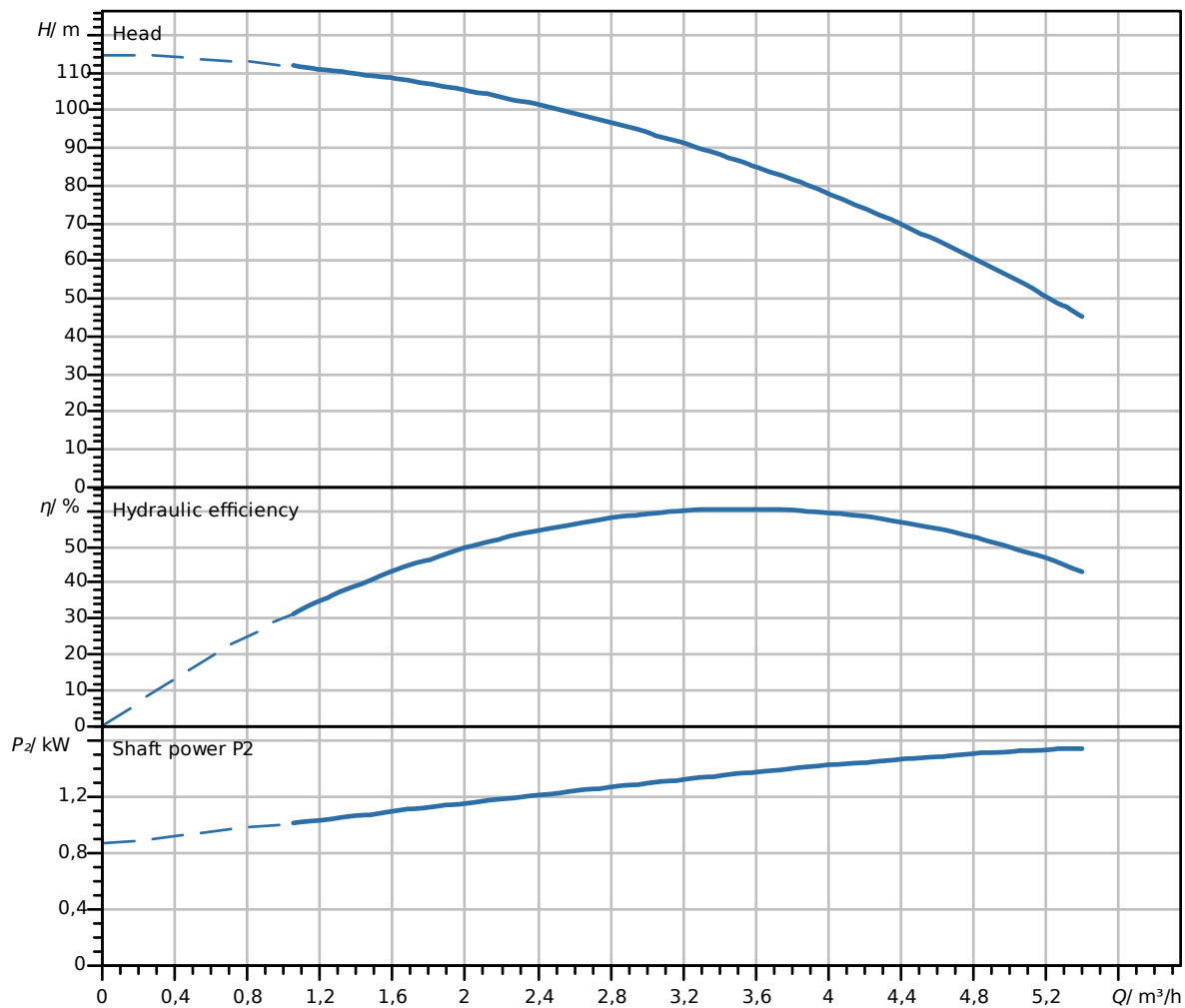
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	114,9 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	18,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	18,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-18-B/XI4-50-1-230
Article number	<b>6083337</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	13 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Starting current $I$	24,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,77
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

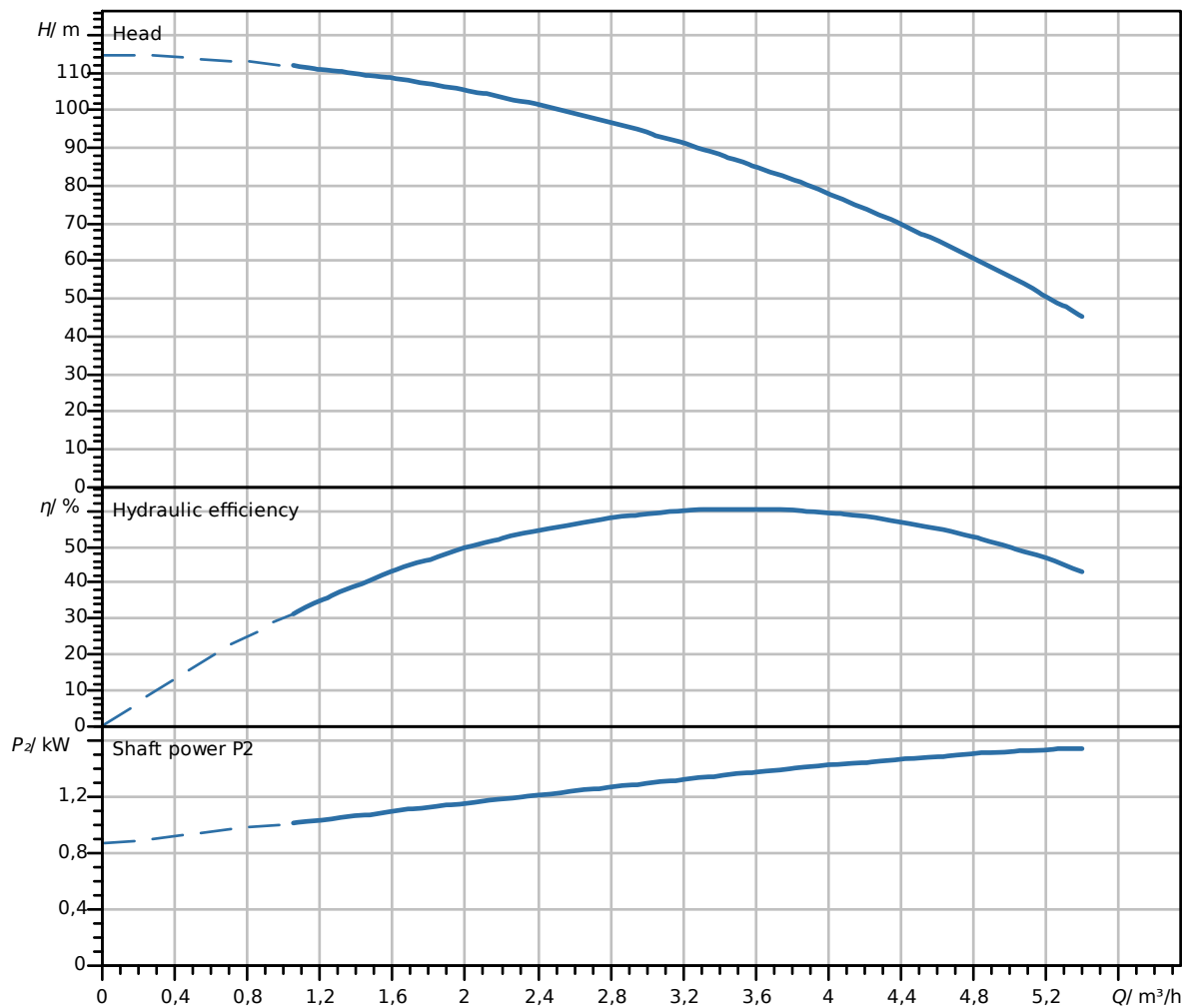
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	114,9 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	17,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	17,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-18-B/XI4-50-3-400
Article number	<b>6083376</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	19 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Starting current $I$	64 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,97
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

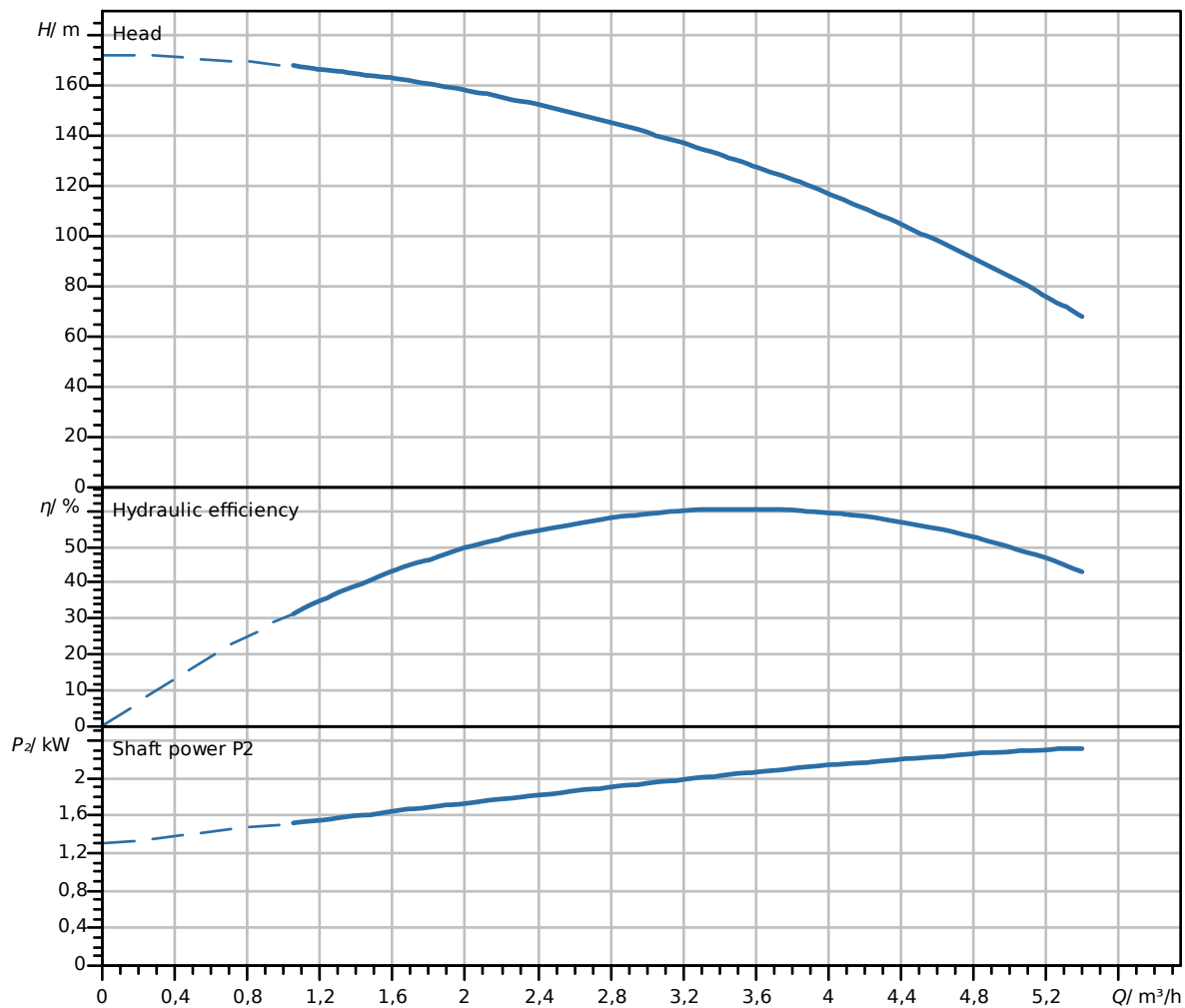
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	172,3 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	25,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	25,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-27-B/XI4-50-1-230
Article number	<b>6083338</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	19 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Starting current $I$	38,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

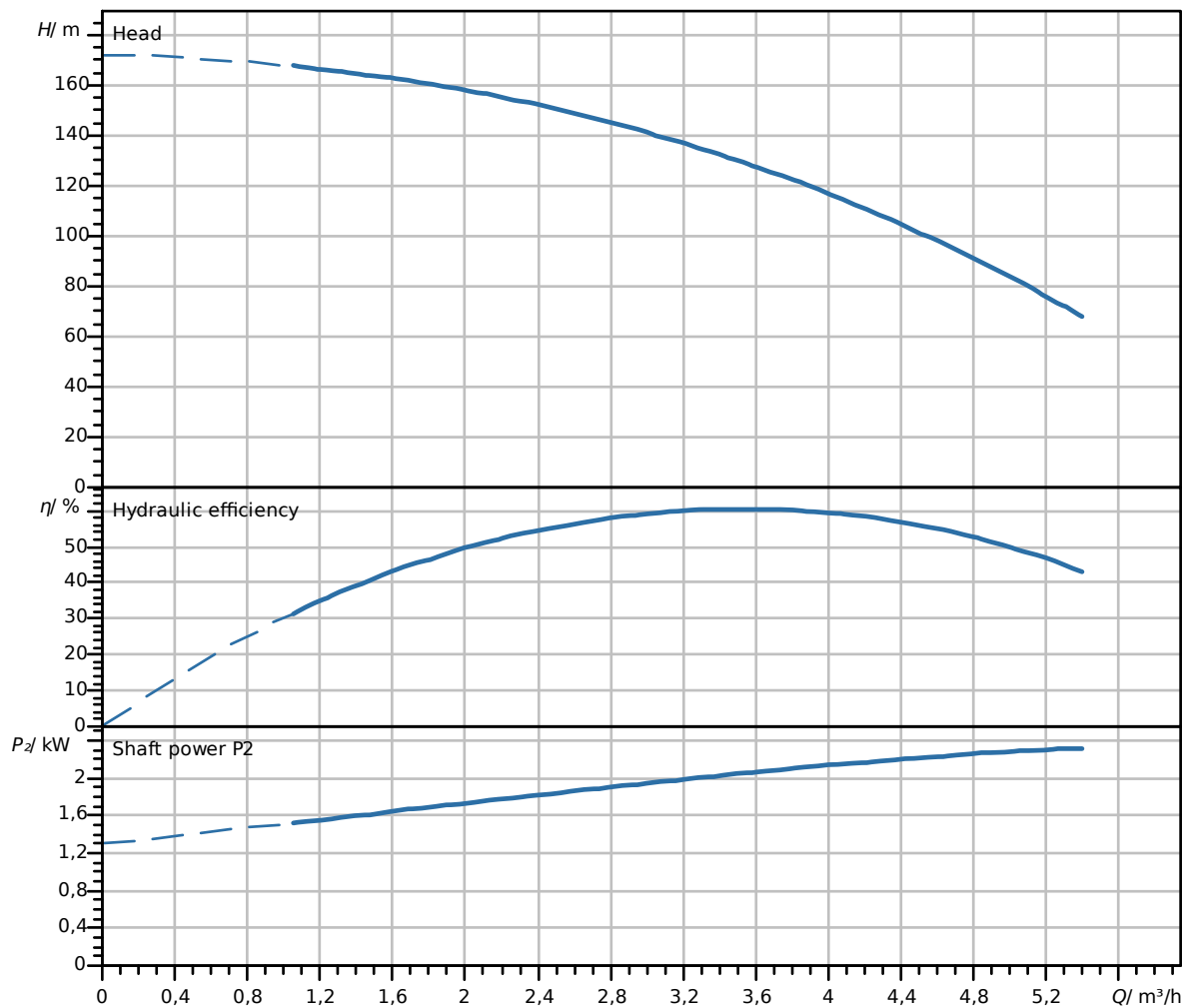
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	172,3 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	21,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	21,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-27-B/XI4-50-3-400
Article number	<b>6083377</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	25 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Starting current $I$	42,1 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

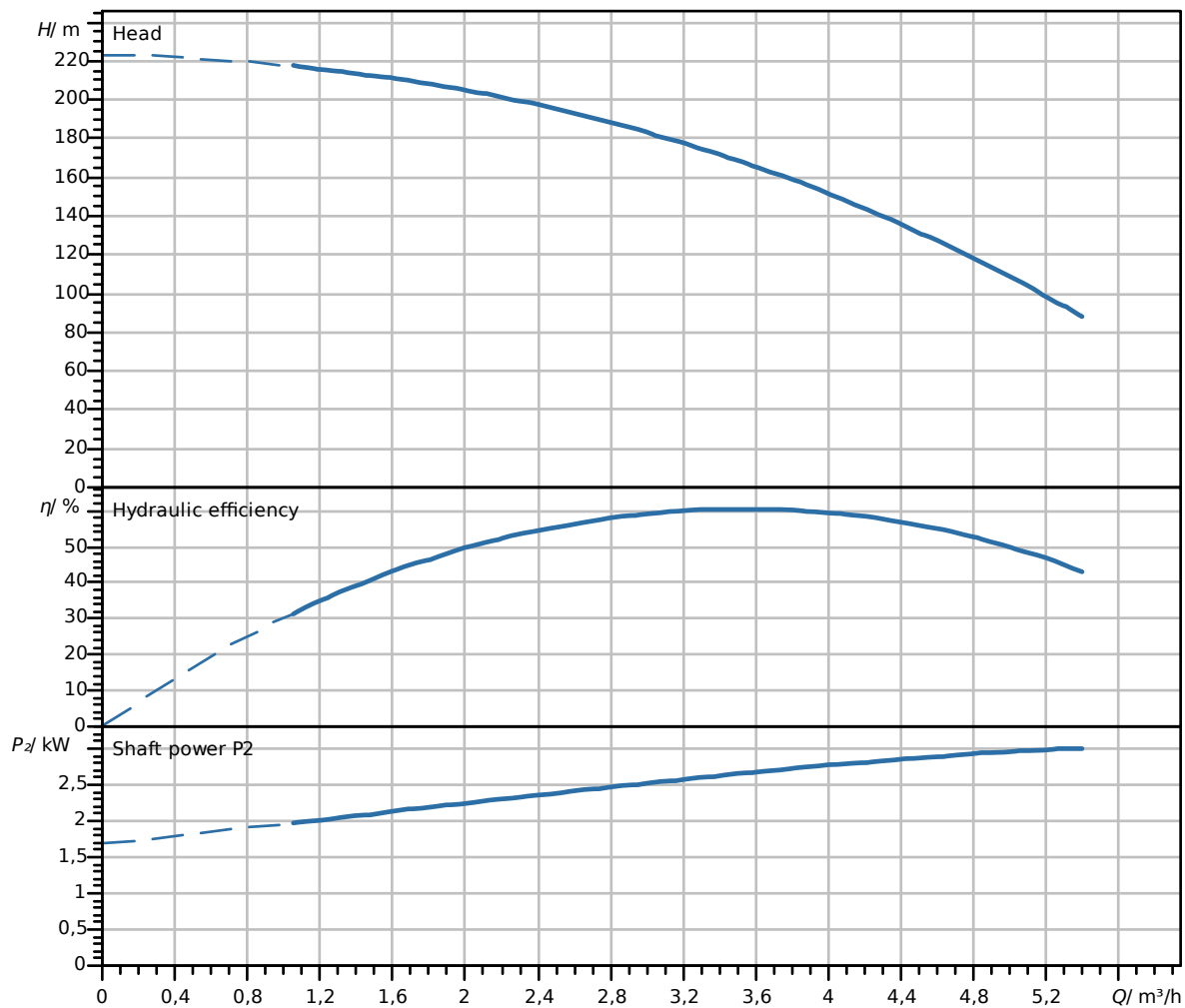
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	223,4 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	25,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	25,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-35-B/XI4-50-3-400
Article number	<b>6083378</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	34 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Starting current $I$	57,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

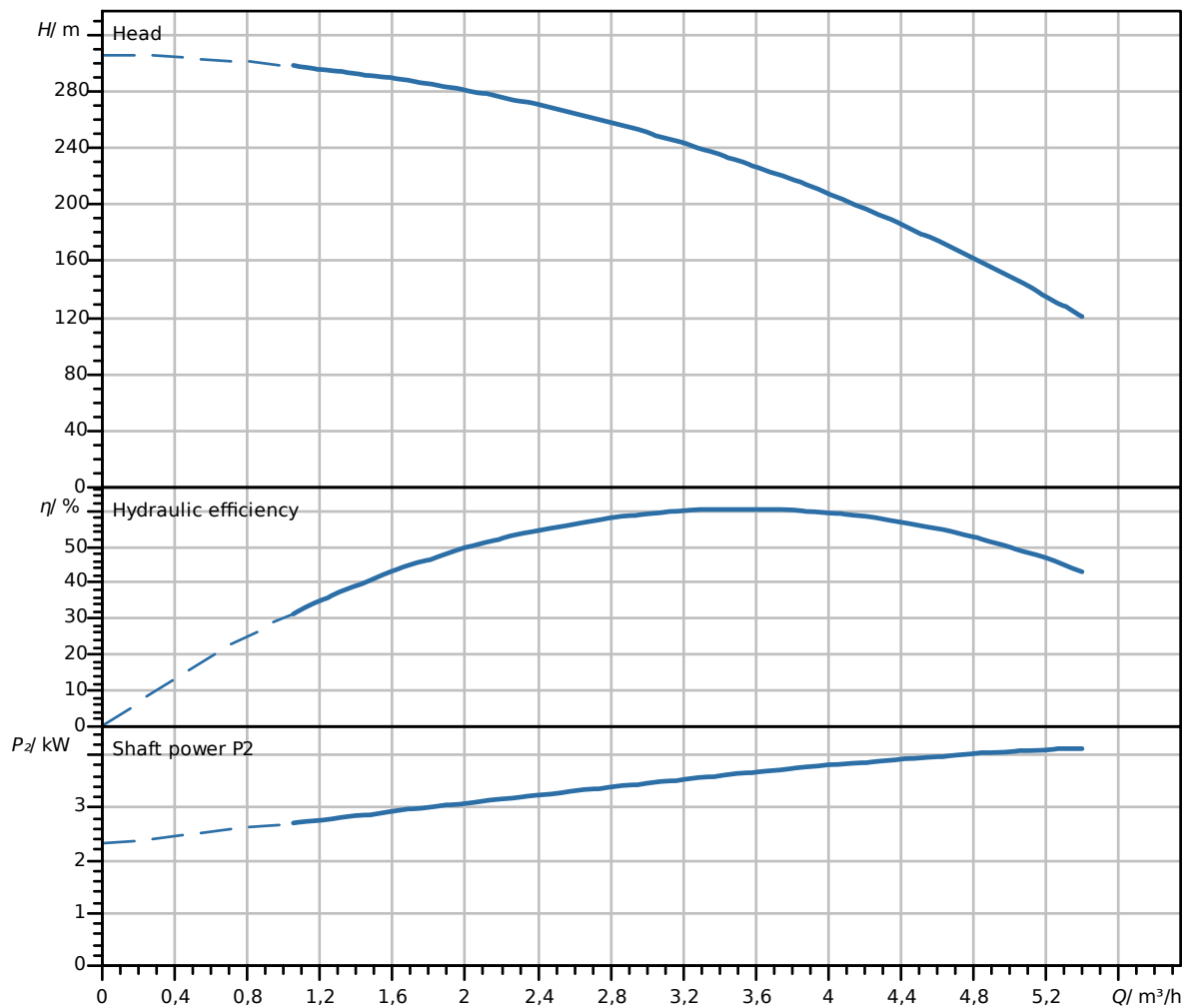
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1¼
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	306,3 m
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## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1¼
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	30,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	30,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.04-48-B/XI4-50-3-400
Article number	<b>6083379</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	3 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Starting current $I$	15,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,93
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

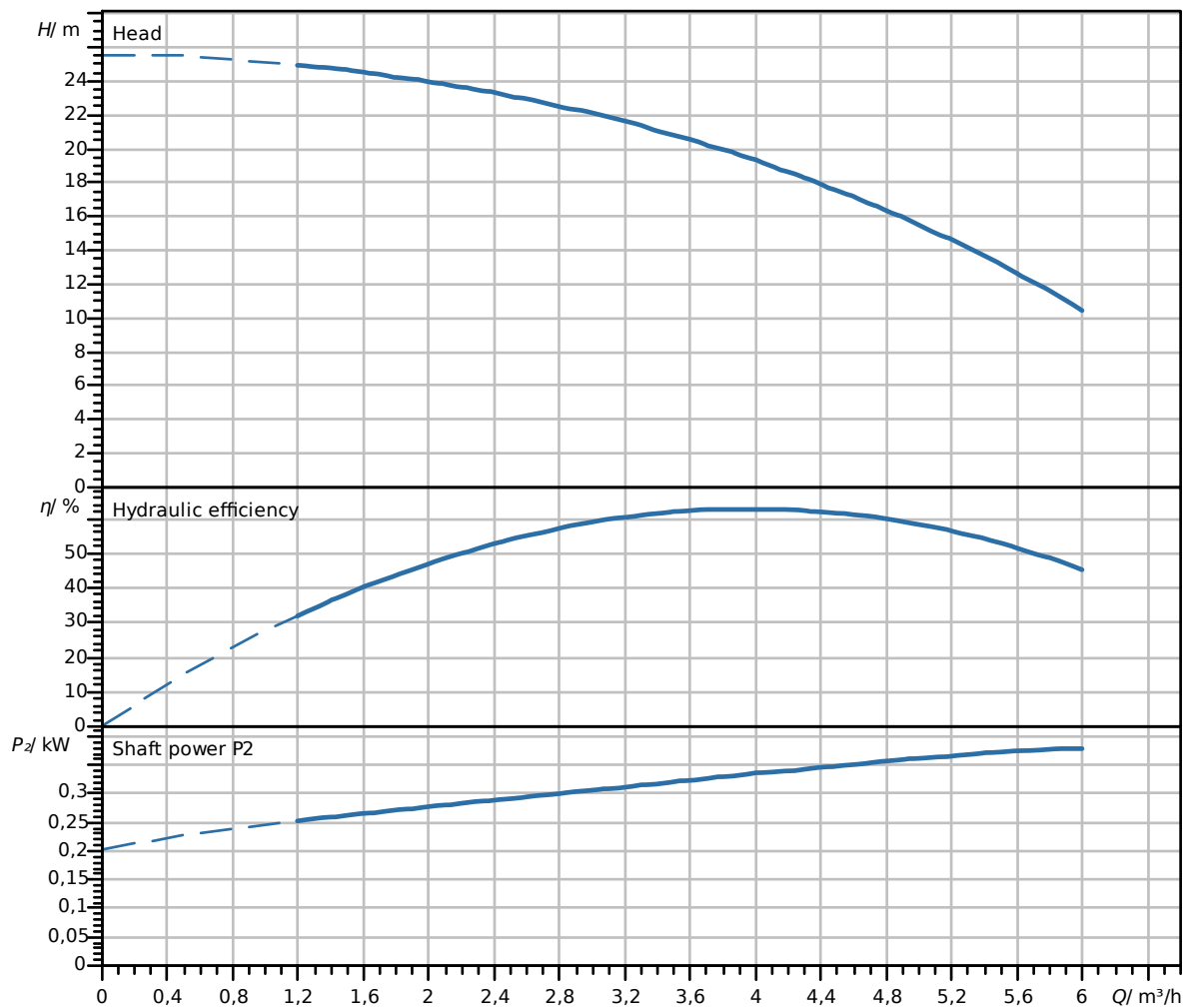
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	25,6 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,1 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2910 1/min
Rated current $I_N$	3,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,1 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-04-B/XI4-50-1-230
Article number	<b>6083339</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	3 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Starting current $I$	5,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,74
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

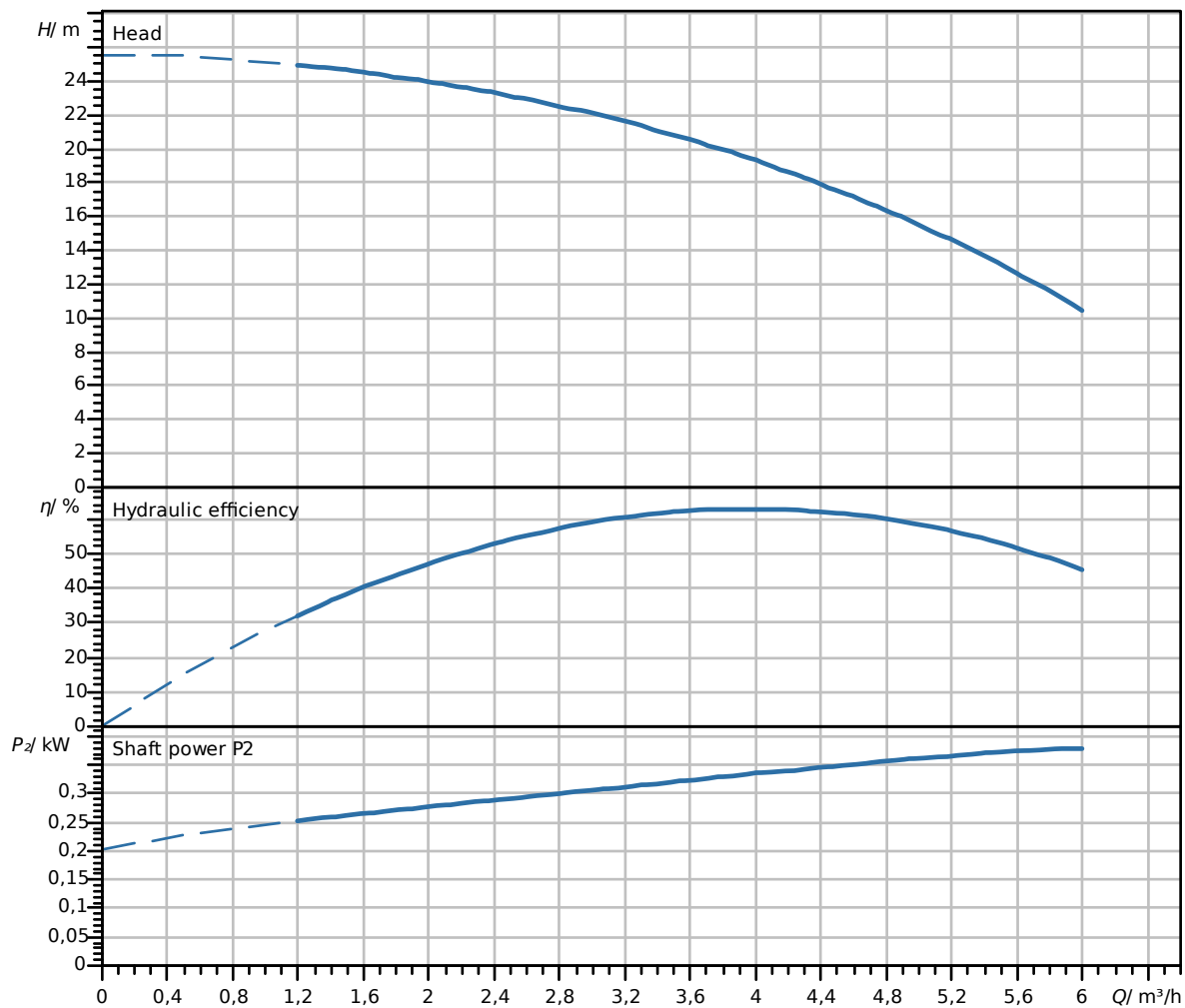
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	25,6 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	10,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3-400 V, 50 Hz
Rated power $P_2$	0,37 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,1 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	10,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-04-B/XI4-50-3-400
Article number	<b>6083380</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Starting current $I$	22 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,94
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

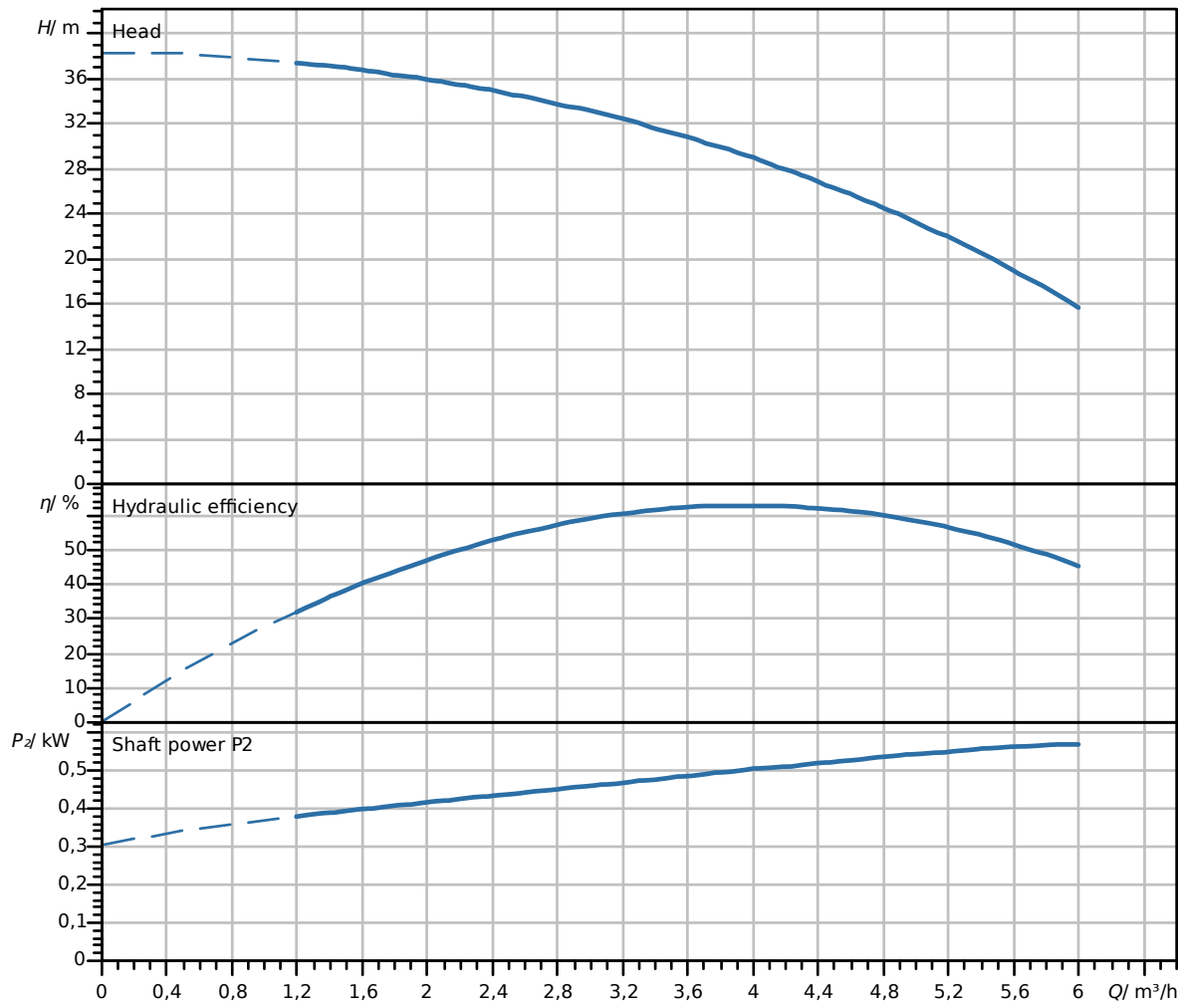
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	38,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	4,4 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).

## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-06-B/XI4-50-1-230
Article number	<b>6083340</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Starting current $I$	7,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,72
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

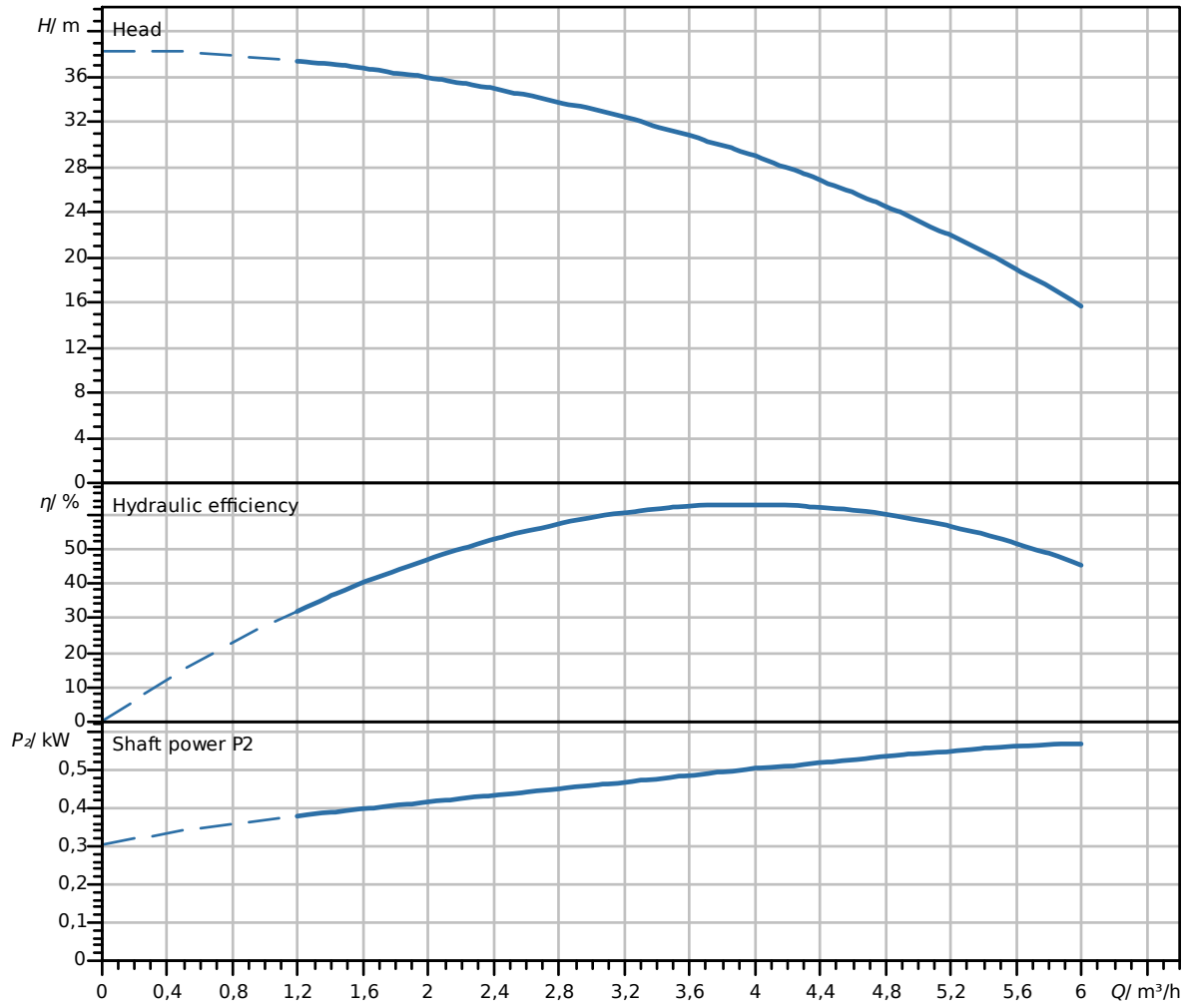
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	38,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	11,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,55 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	1,6 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	11,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-06-B/XI4-50-3-400
Article number	<b>6083381</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Starting current $I$	25 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,95
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

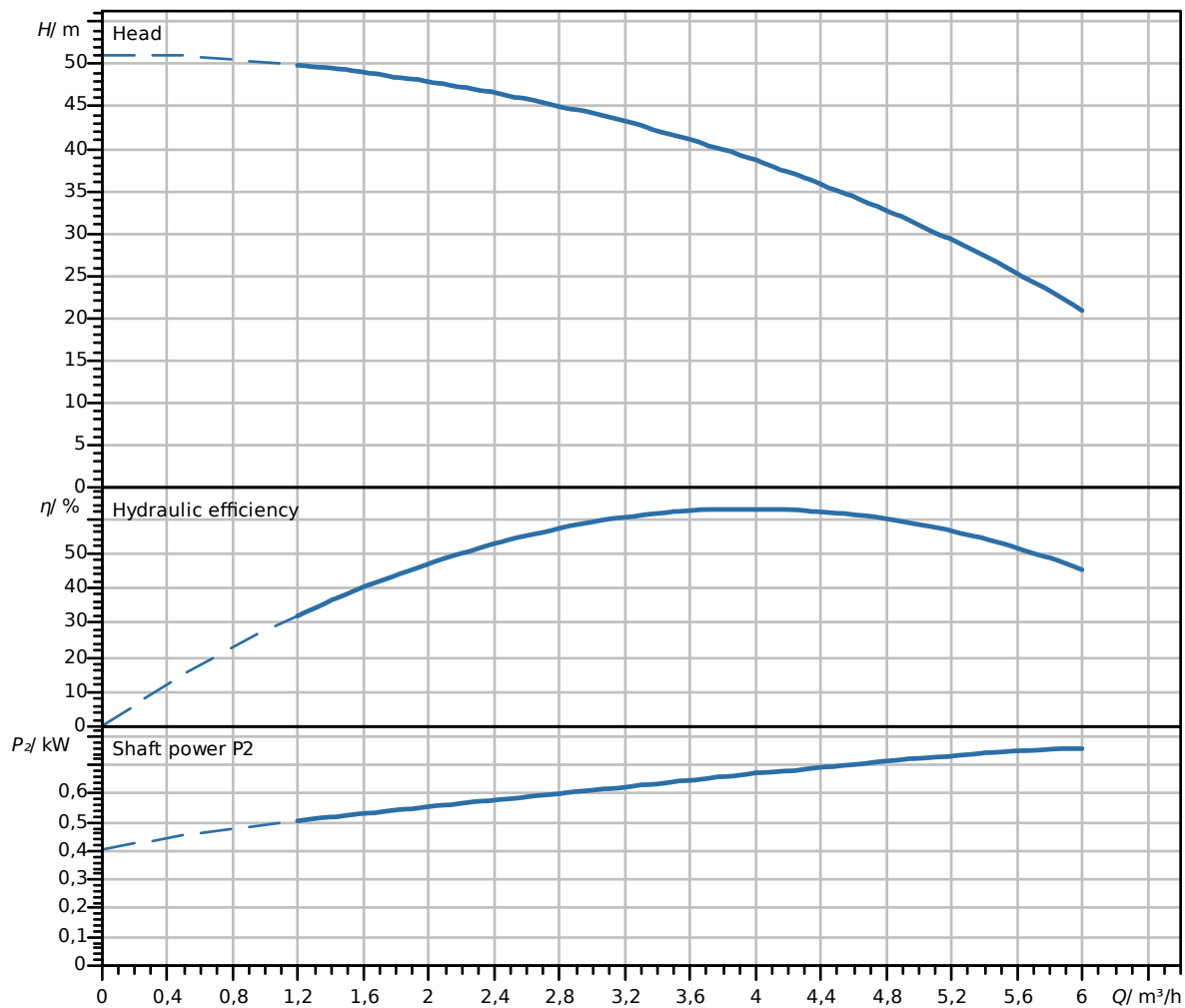
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	51,2 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).

## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-08-B/XI4-50-1-230
Article number	<b>6083341</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Starting current $I$	10,2 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

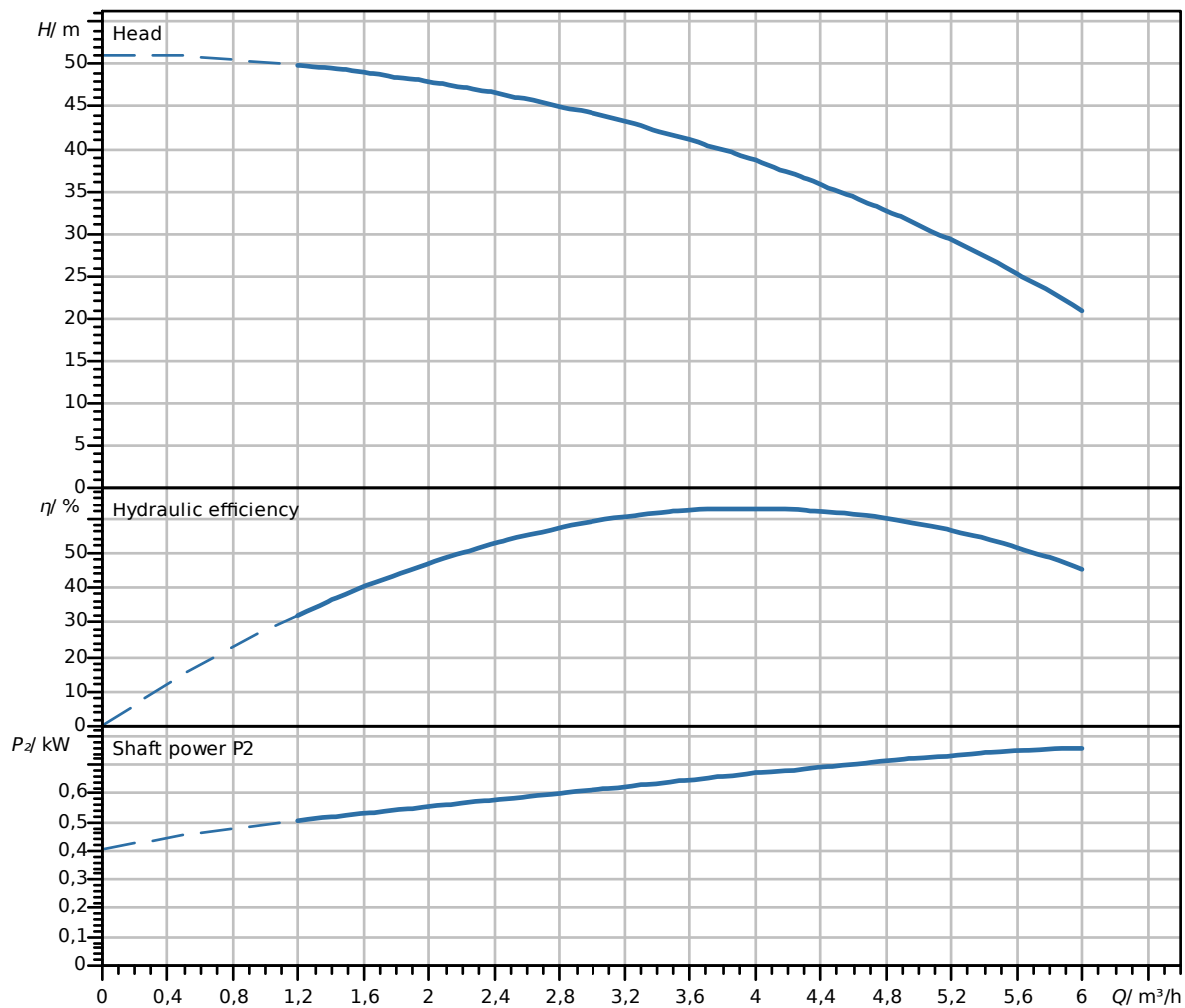
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

### Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	51,2 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-08-B/XI4-50-3-400
Article number	<b>6083382</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	8 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Starting current $I$	37 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,91
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

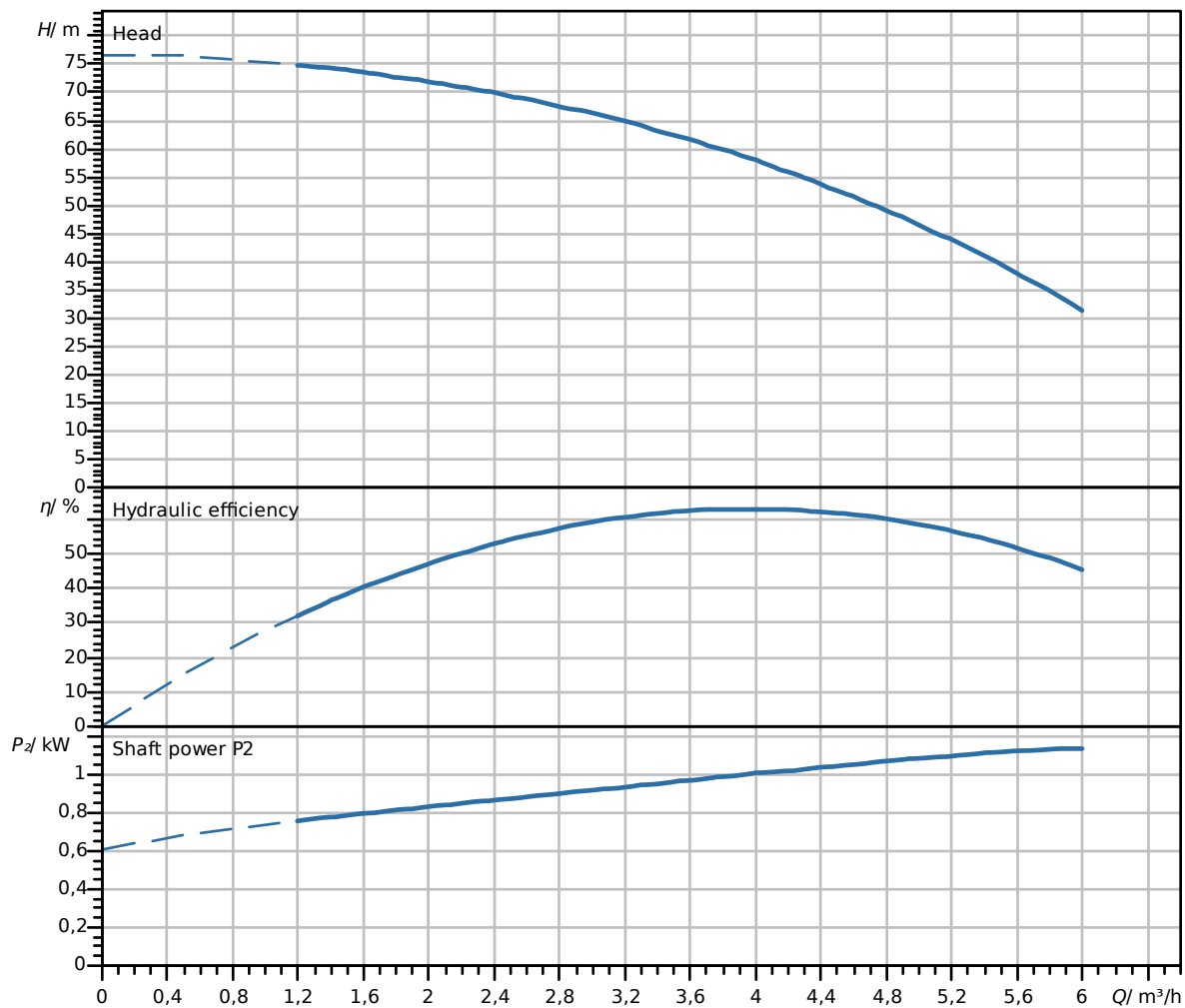
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	76,7 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	16,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	16,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-12-B/XI4-50-1-230
Article number	<b>6083342</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	8 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Starting current $I$	17,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

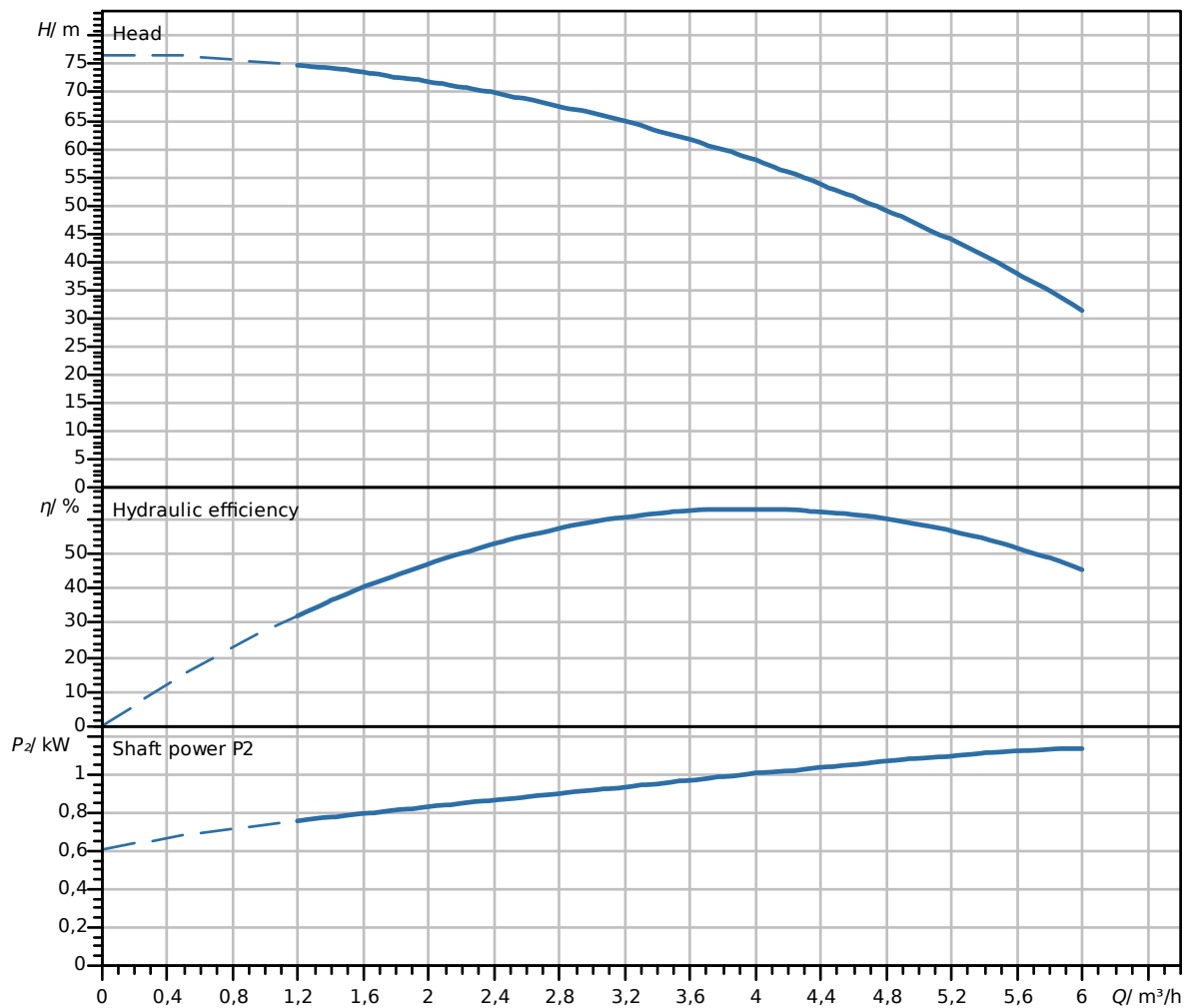
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	76,7 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	14,7 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	14,7 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-12-B/XI4-50-3-400
Article number	<b>6083383</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	11 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Starting current $I$	44 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,92
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

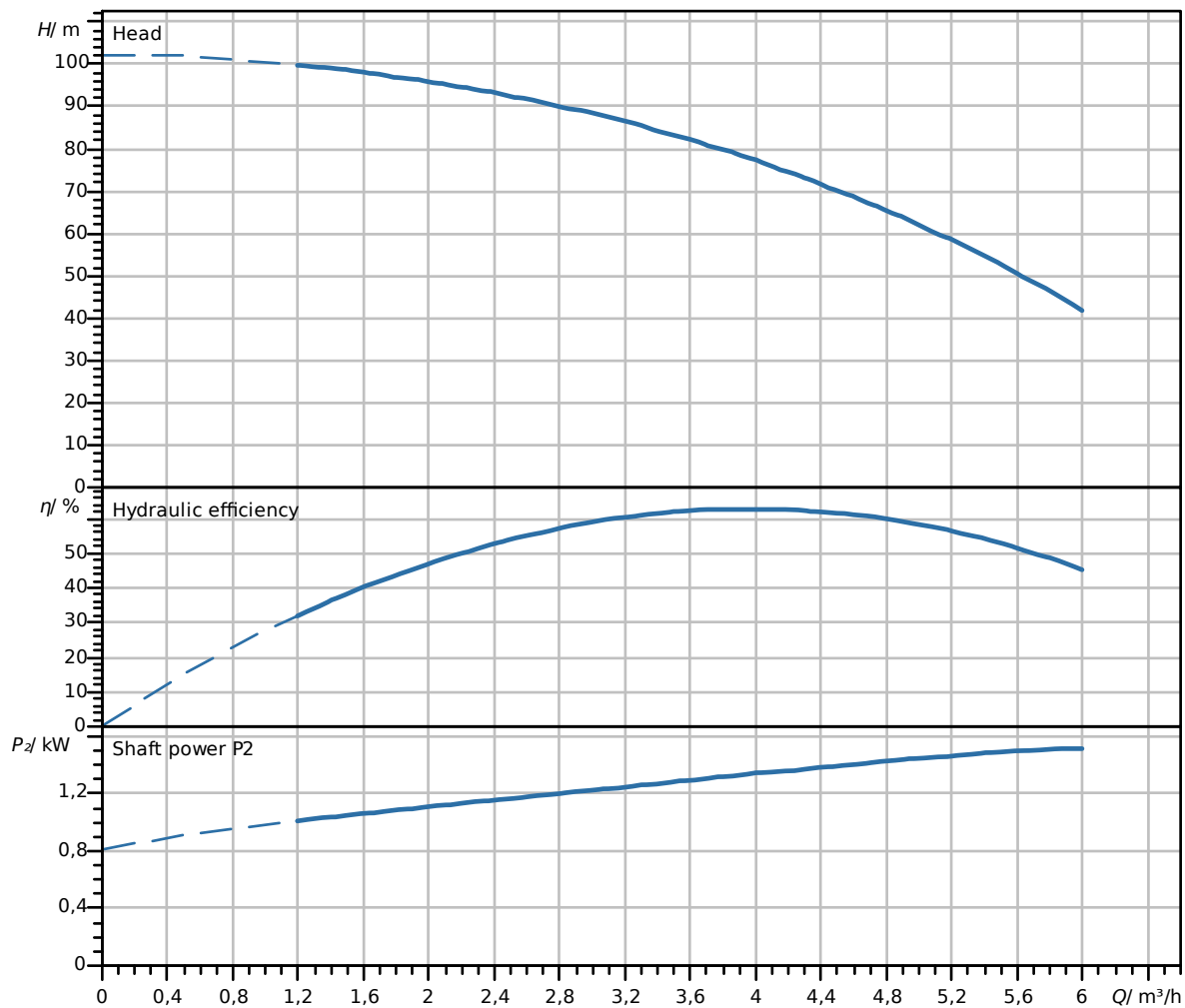
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	102,3 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	18,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	18,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-16-B/XI4-50-1-230
Article number	<b>6083343</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	11 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Starting current $I$	24,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,77
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

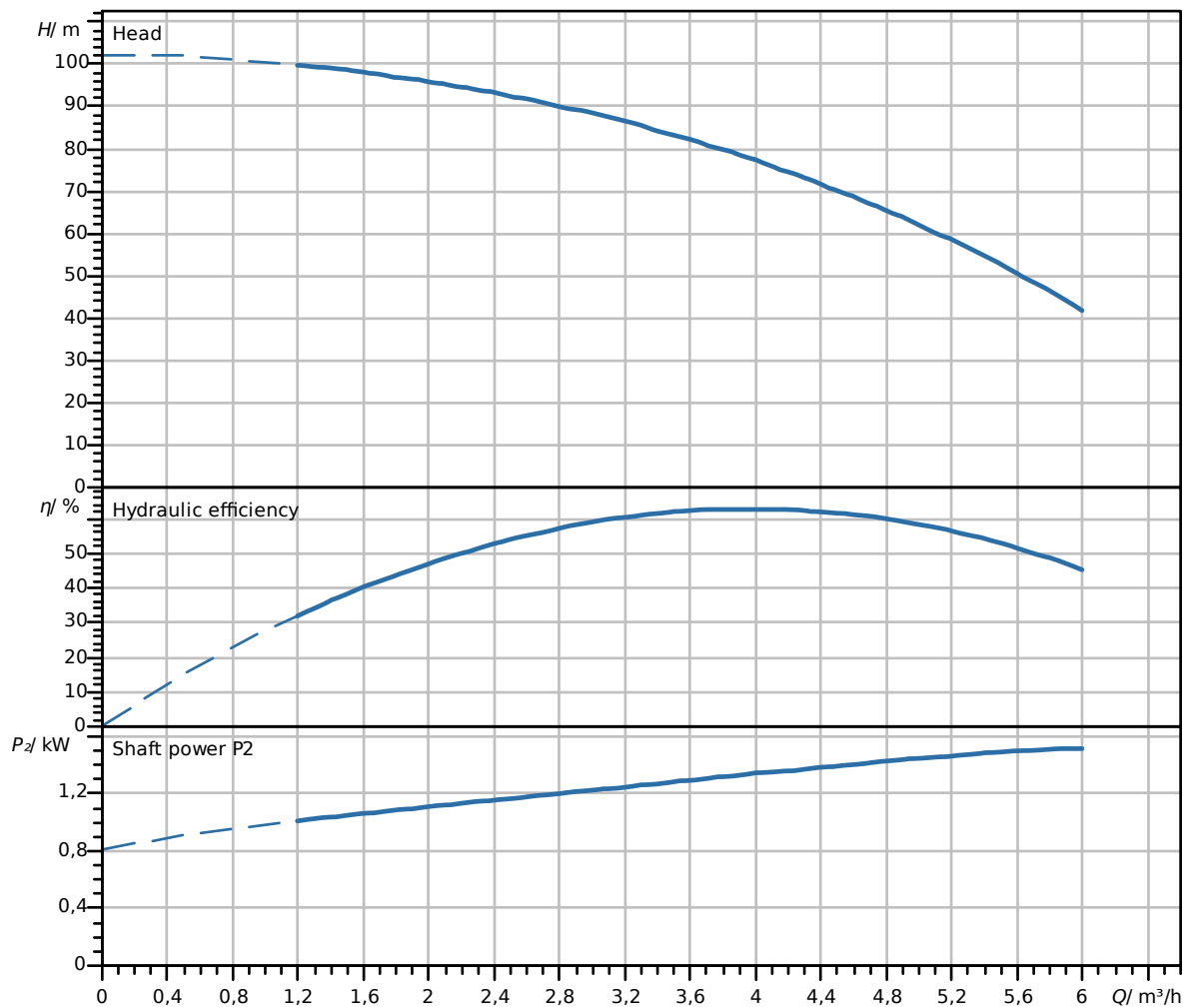
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	102,3 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	17,6 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	17,6 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-16-B/XI4-50-3-400
Article number	<b>6083384</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	17 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Starting current $I$	64 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,97
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

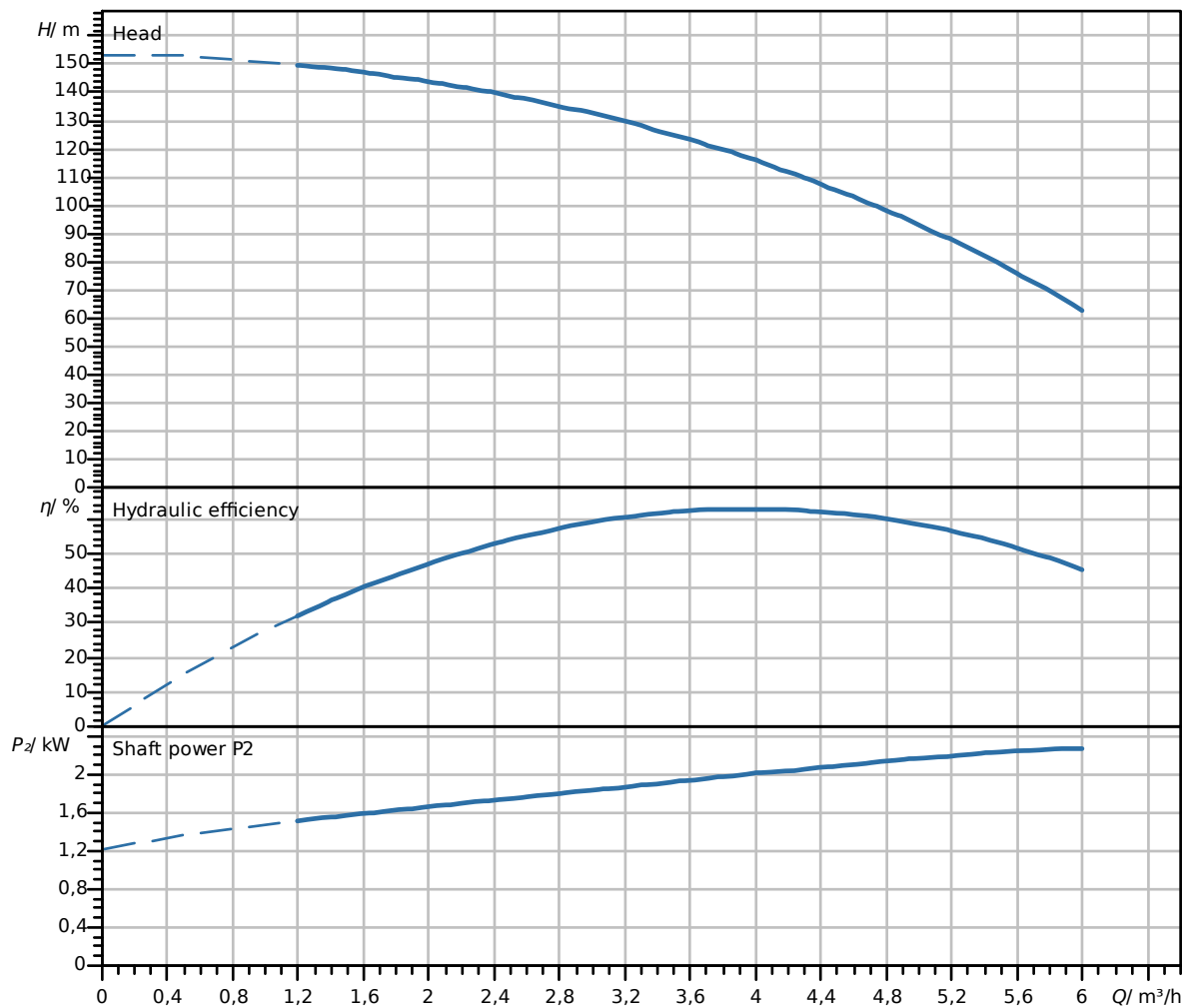
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	153,5 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	25,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	25,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-24-B/XI4-50-1-230
Article number	<b>6083344</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	17 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Starting current $I$	38,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

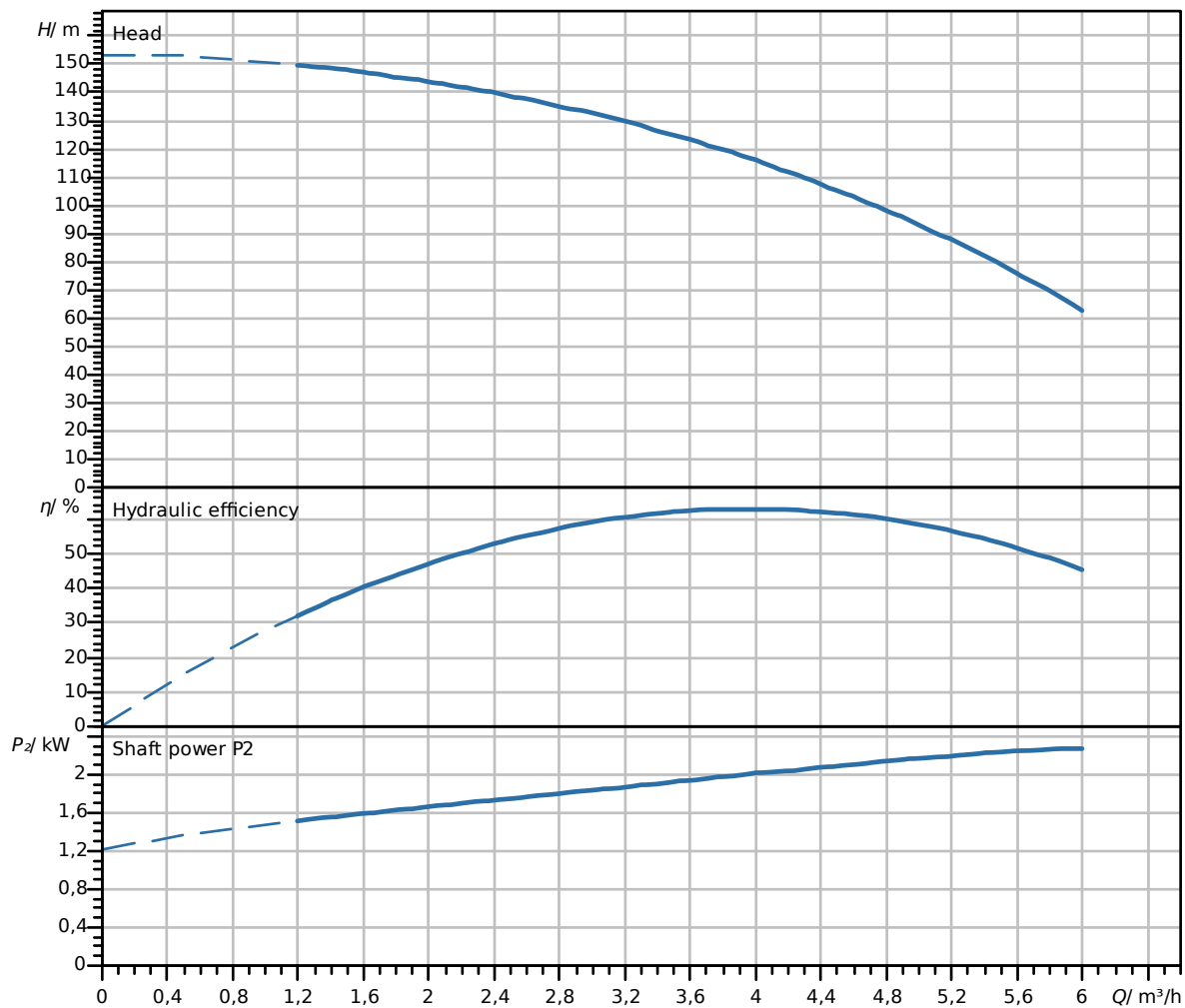
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	153,5 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	21,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	21,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-24-B/XI4-50-3-400
Article number	<b>6083385</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $PN$	23 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Starting current $I$	42,1 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

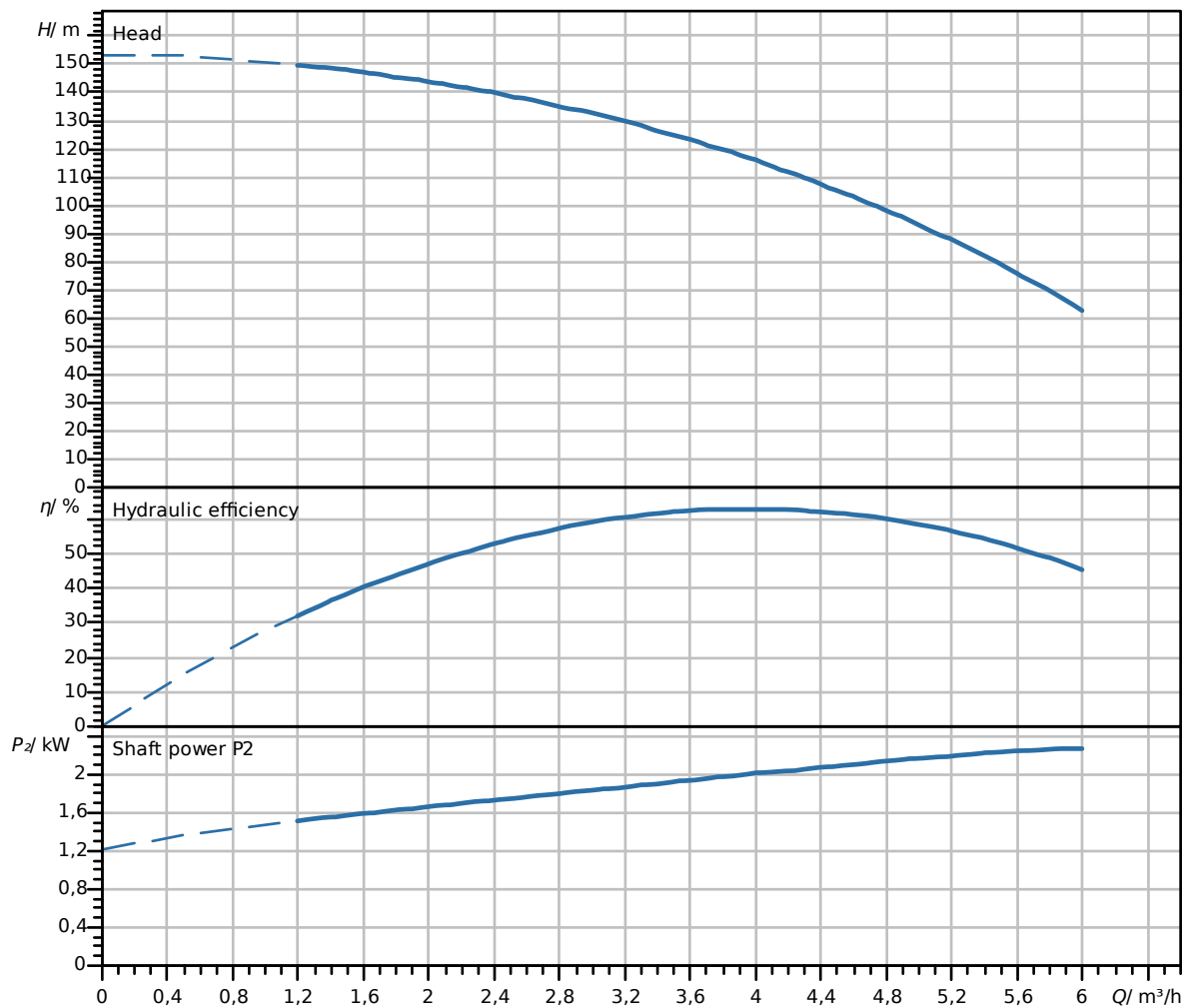
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	204,6 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	26,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	26,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-32-B/XI4-50-3-400
Article number	<b>6083386</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,7
Maximum operating pressure $P_N$	31 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,70
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Starting current $I$	57,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

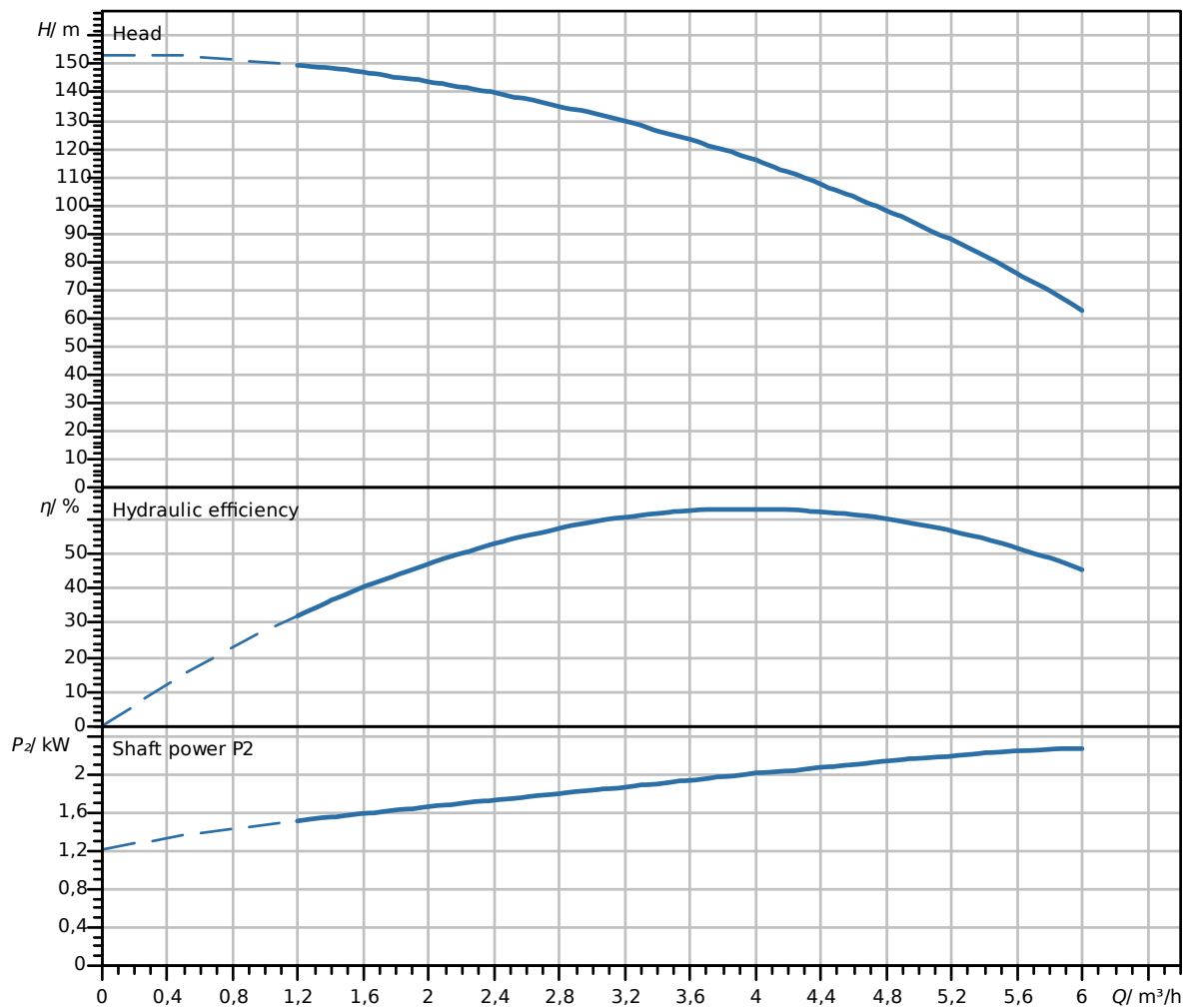
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 1½
---------------------------------------------	-------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	281,4 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,7
Pipe connection on the discharge side $DNd$	Rp 1½
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	32,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	32,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.05-44-B/XI4-50-3-400
Article number	<b>6083387</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $P_N$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Starting current $I$	25 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,95
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

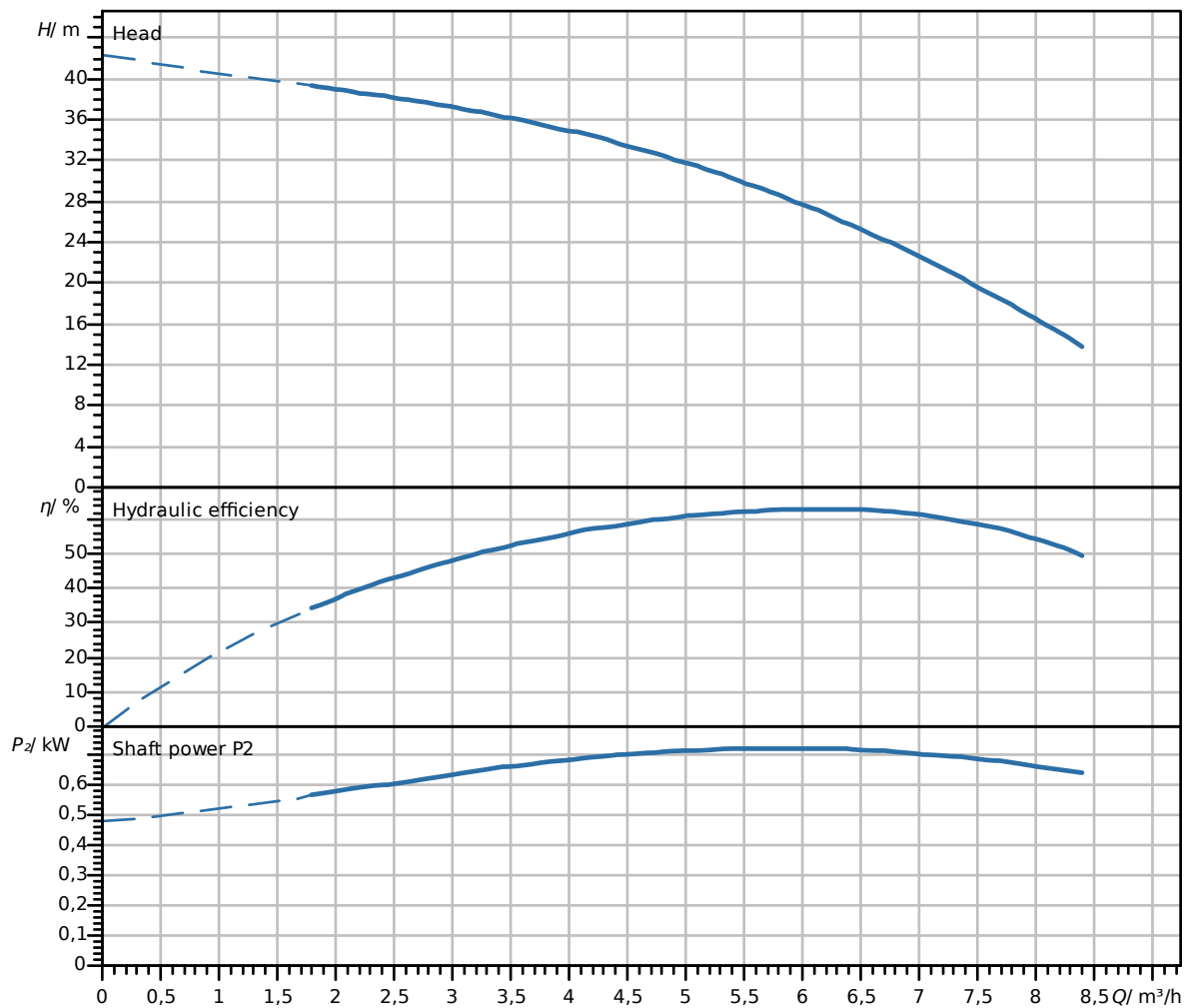
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	42,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	14,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	14,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-07-B/XI4-50-1-230
Article number	<b>6083345</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $PN$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Starting current $I$	10,2 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

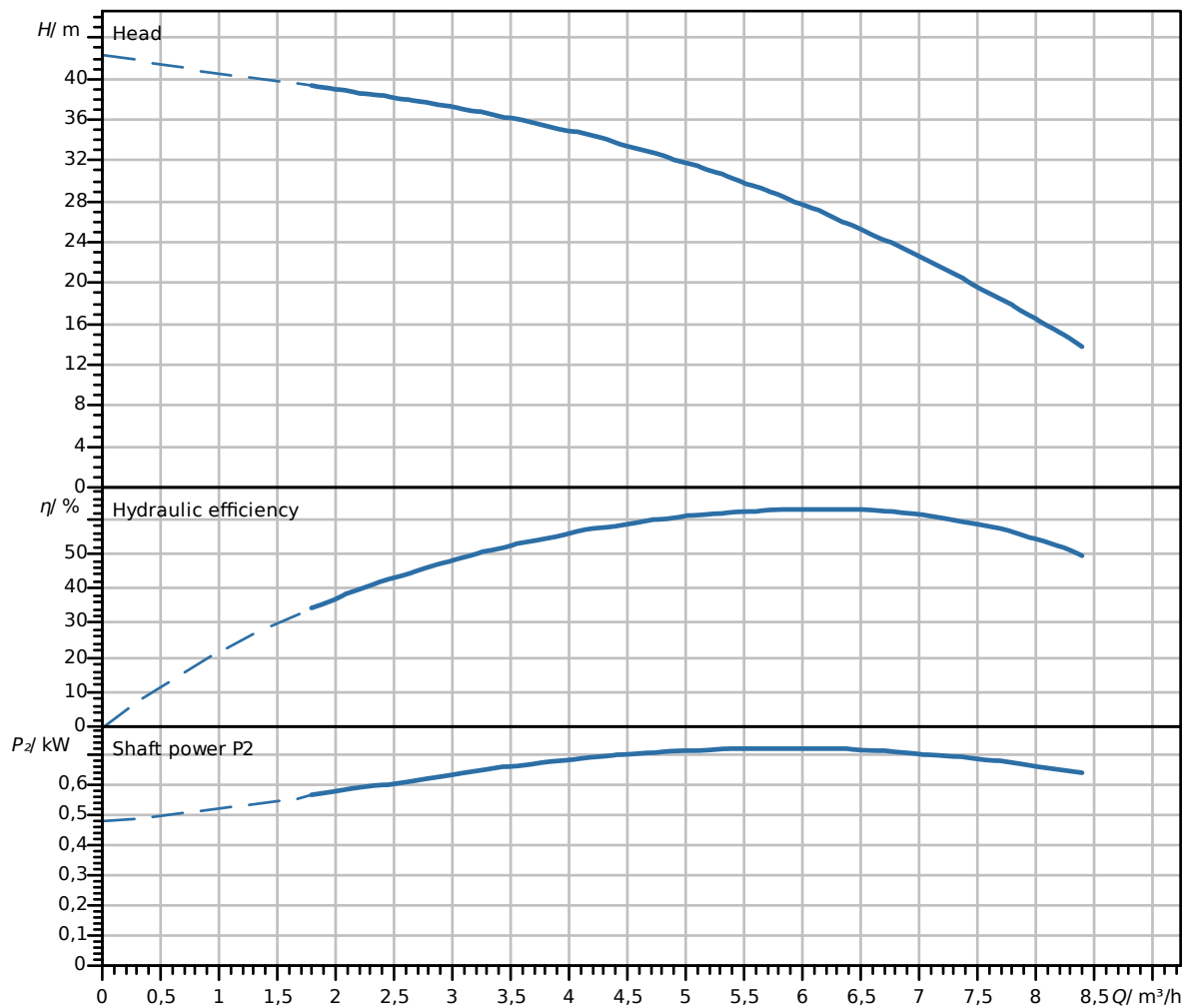
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	42,4 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-07-B/XI4-50-3-400
Article number	<b>6083388</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $P_N$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Starting current $I$	37 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,91
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

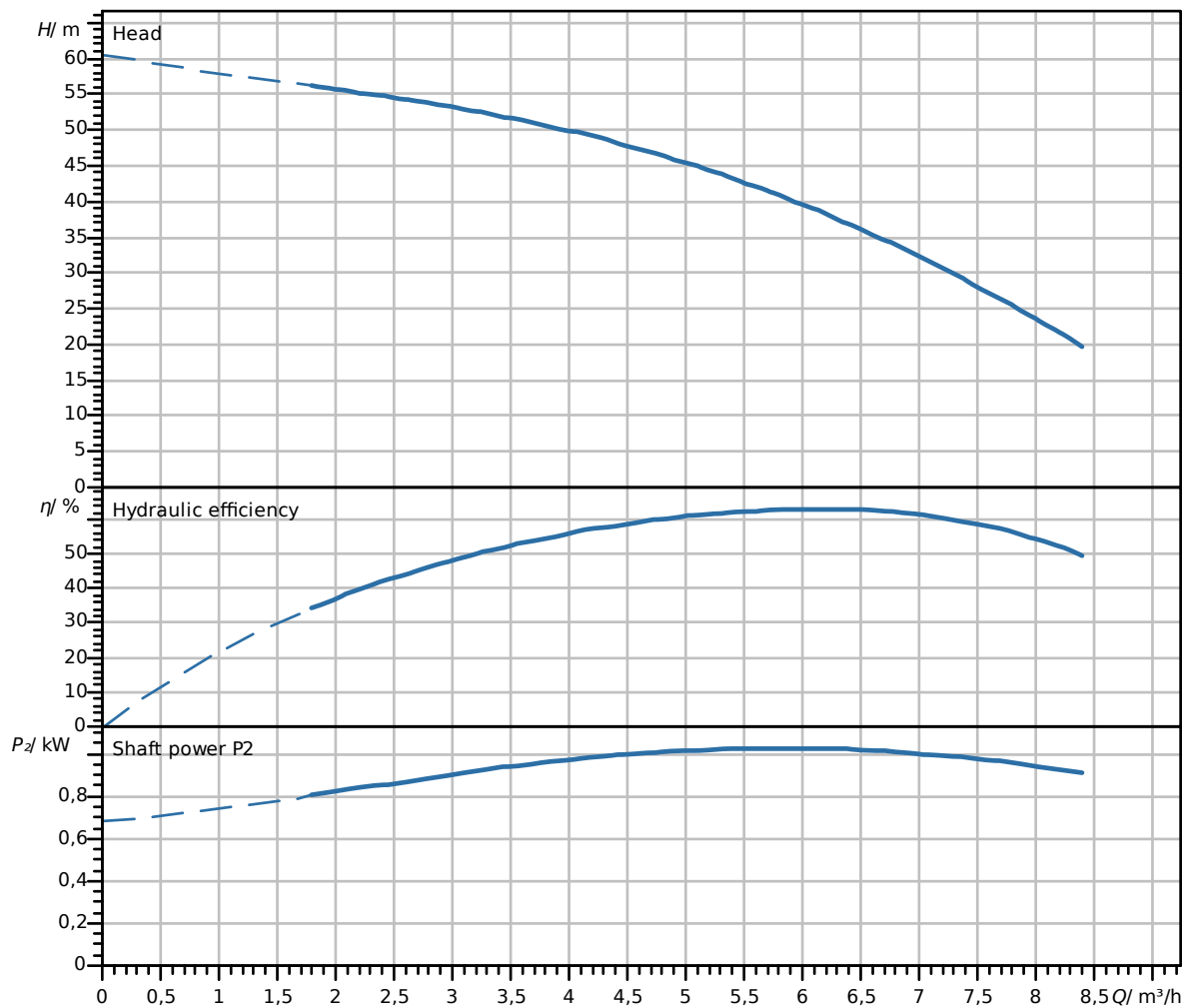
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	60,6 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	17 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	17 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-10-B/XI4-50-1-230
Article number	<b>6083346</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $PN$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Starting current $I$	17,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

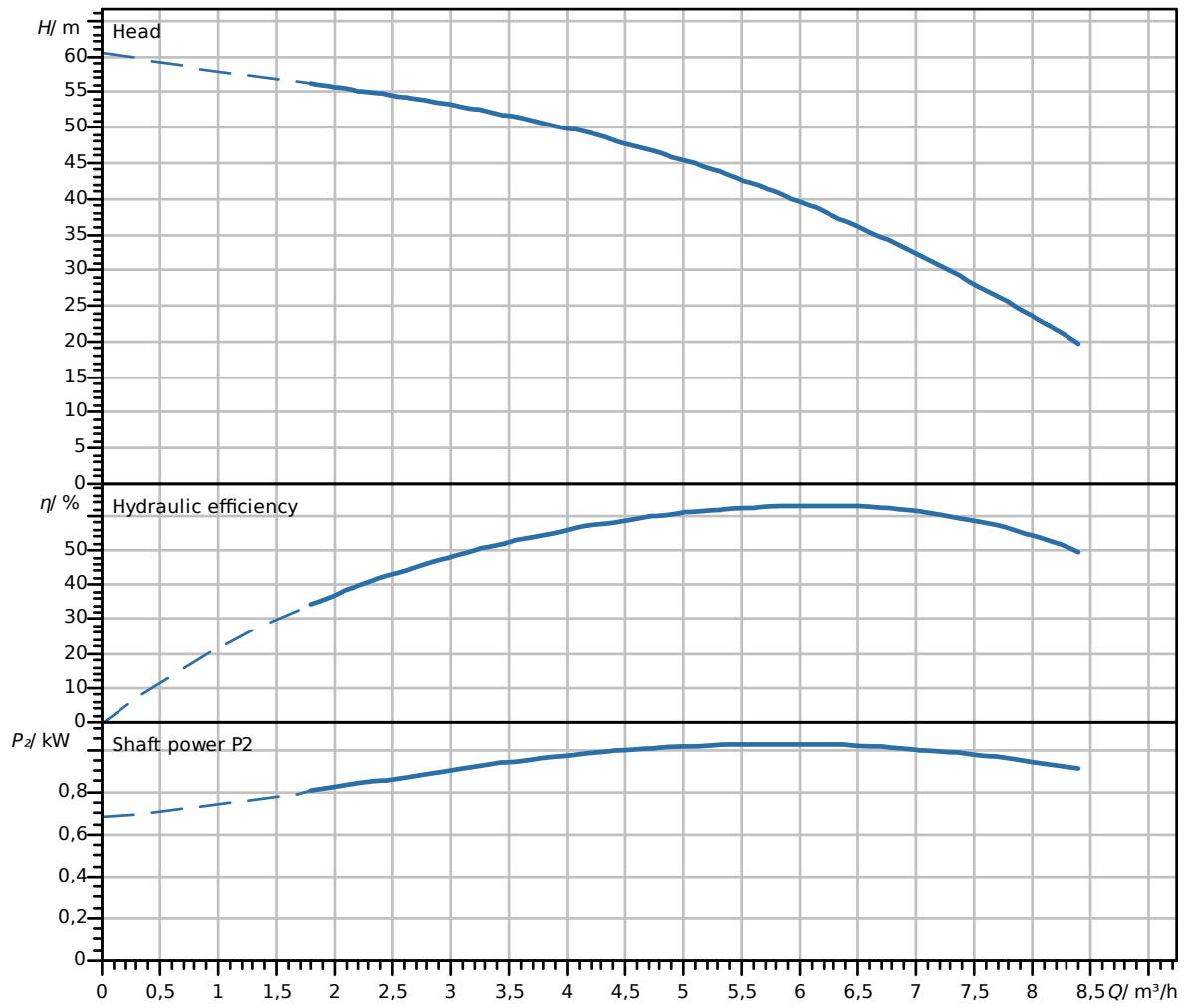
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	60,6 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	15,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	15,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-10-B/XI4-50-3-400
Article number	<b>6083389</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $PN$	9 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Starting current $I$	44 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,92
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

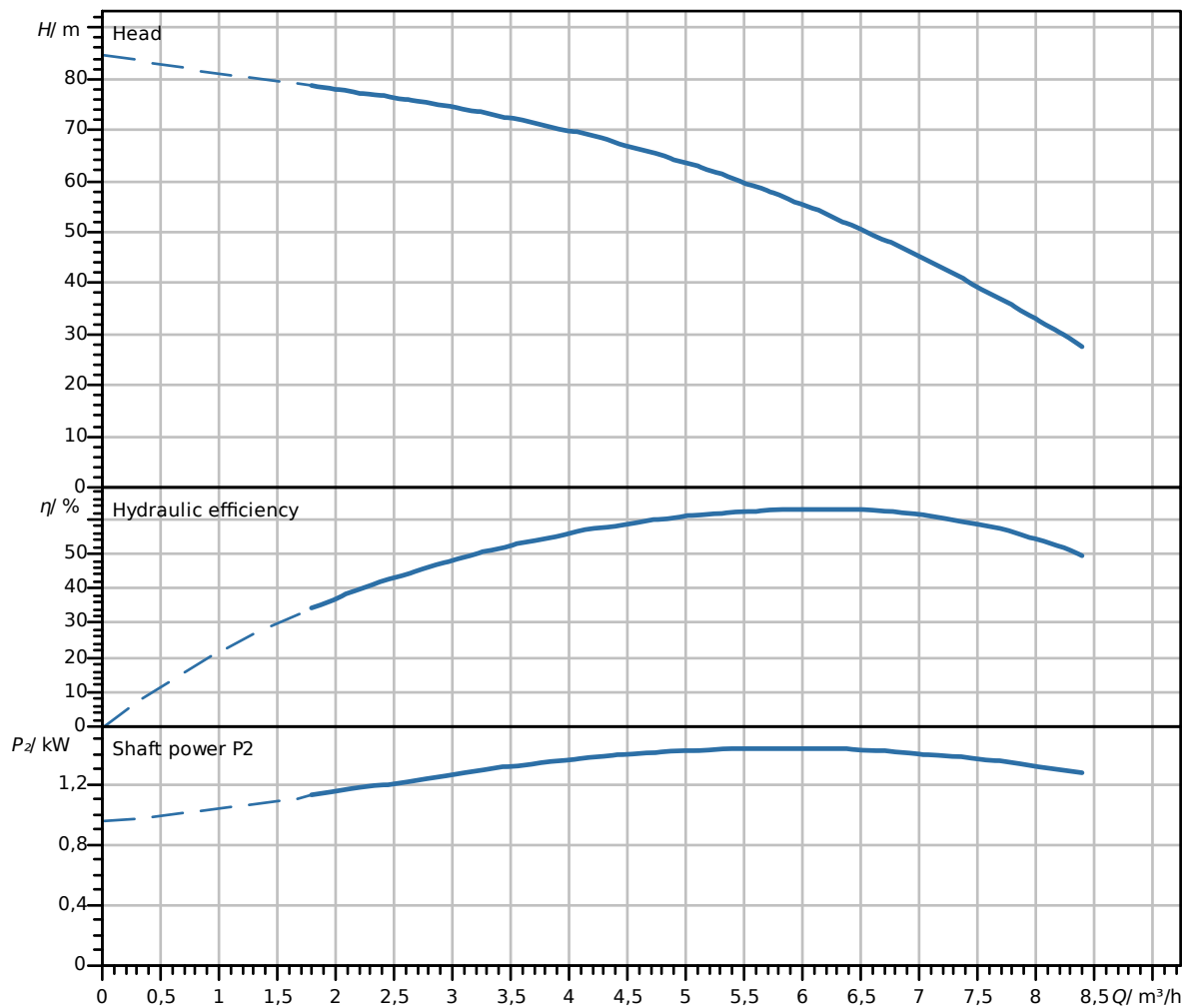
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	84,8 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	19,7 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	19,7 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-14-B/XI4-50-1-230
Article number	<b>6083347</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $PN$	9 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Starting current $I$	24,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,77
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

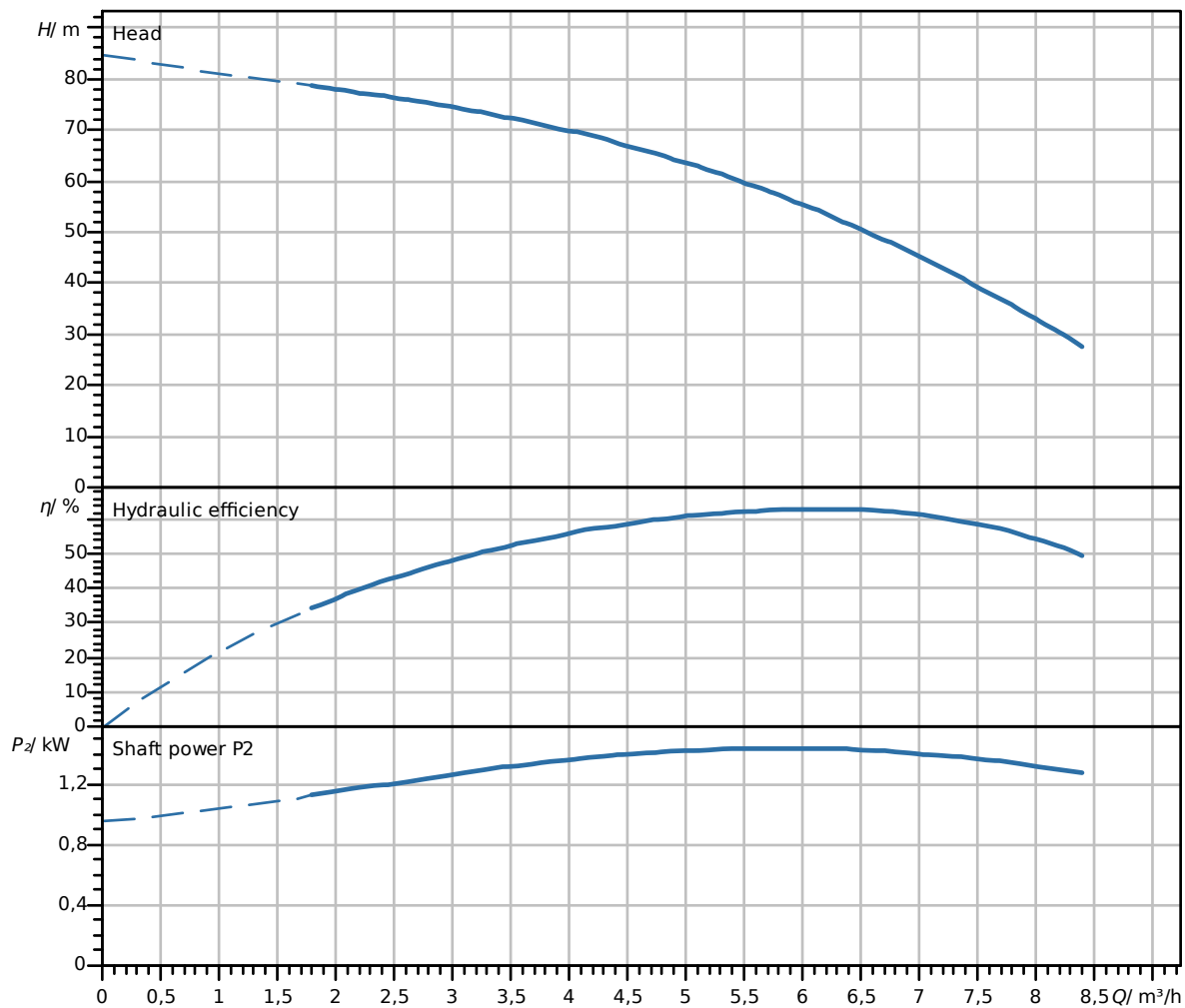
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	84,8 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	18,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	18,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-14-B/XI4-50-3-400
Article number	<b>6083390</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $P_N$	13 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Starting current $I$	64 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,97
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

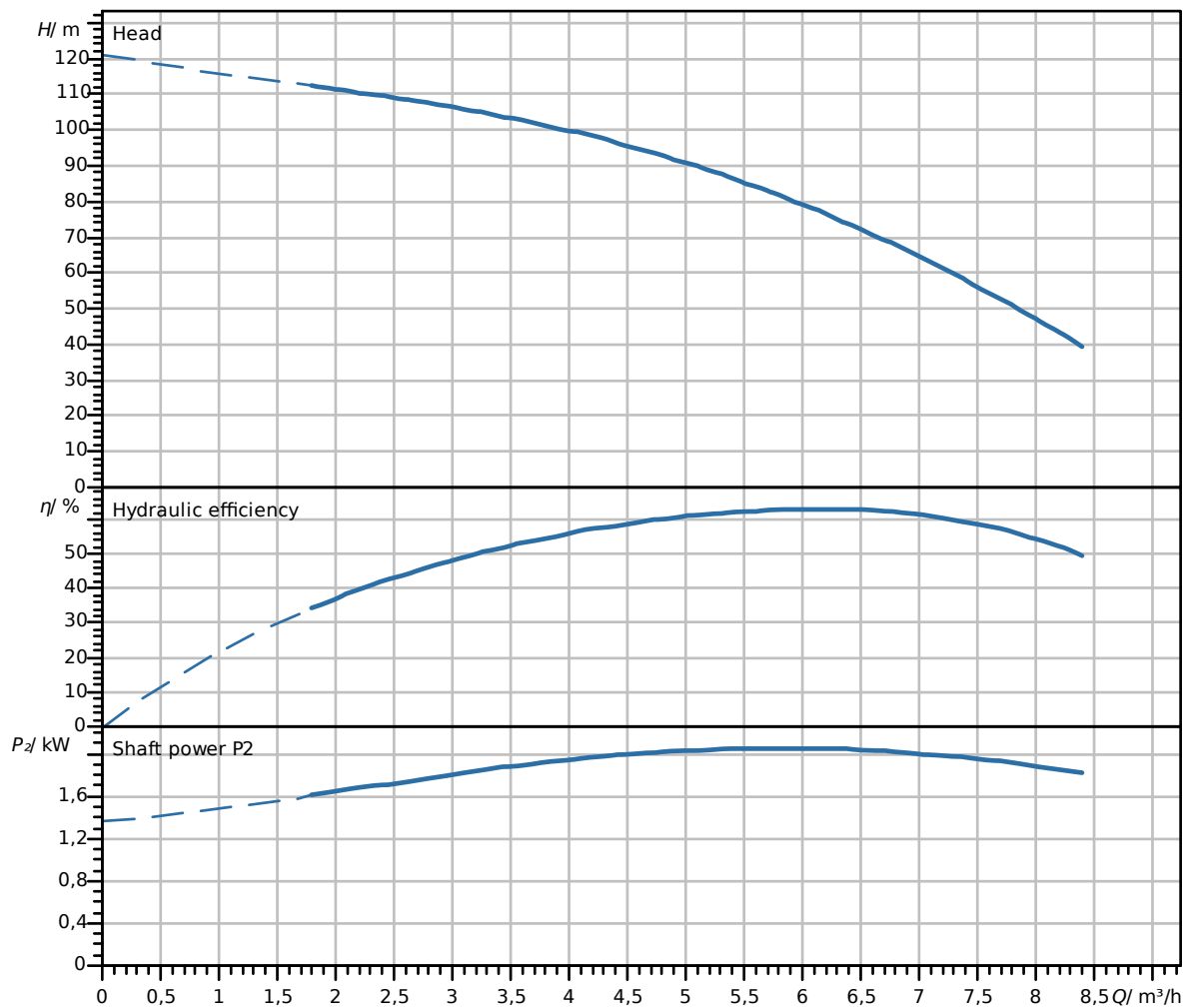
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	121,1 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	25,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	25,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-20-B/XI4-50-1-230
Article number	<b>6083348</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $P_N$	13 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Starting current $I$	38,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

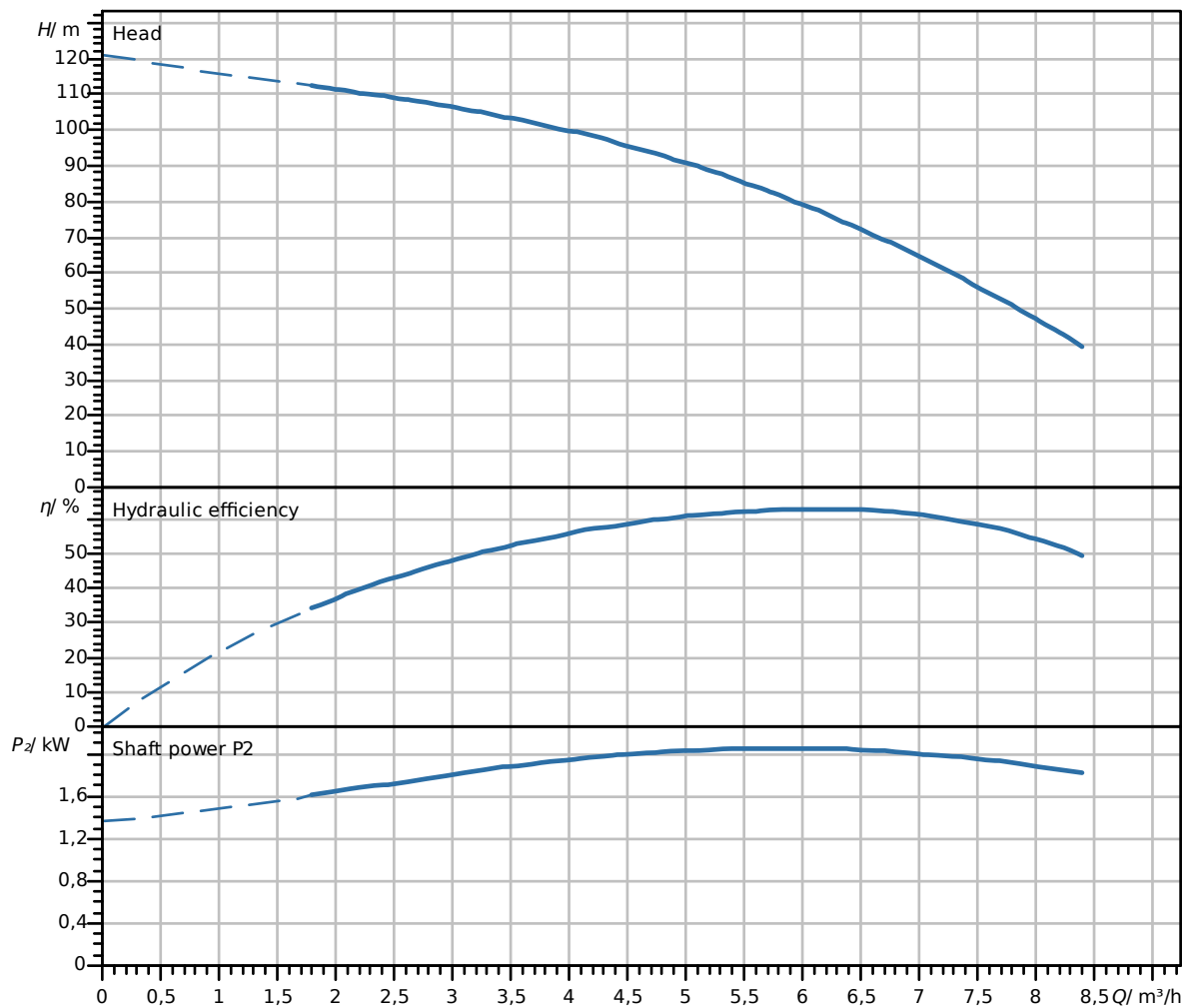
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	121,1 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	21,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	21,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-20-B/XI4-50-3-400
Article number	<b>6083391</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $P_N$	18 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Starting current $I$	42,1 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

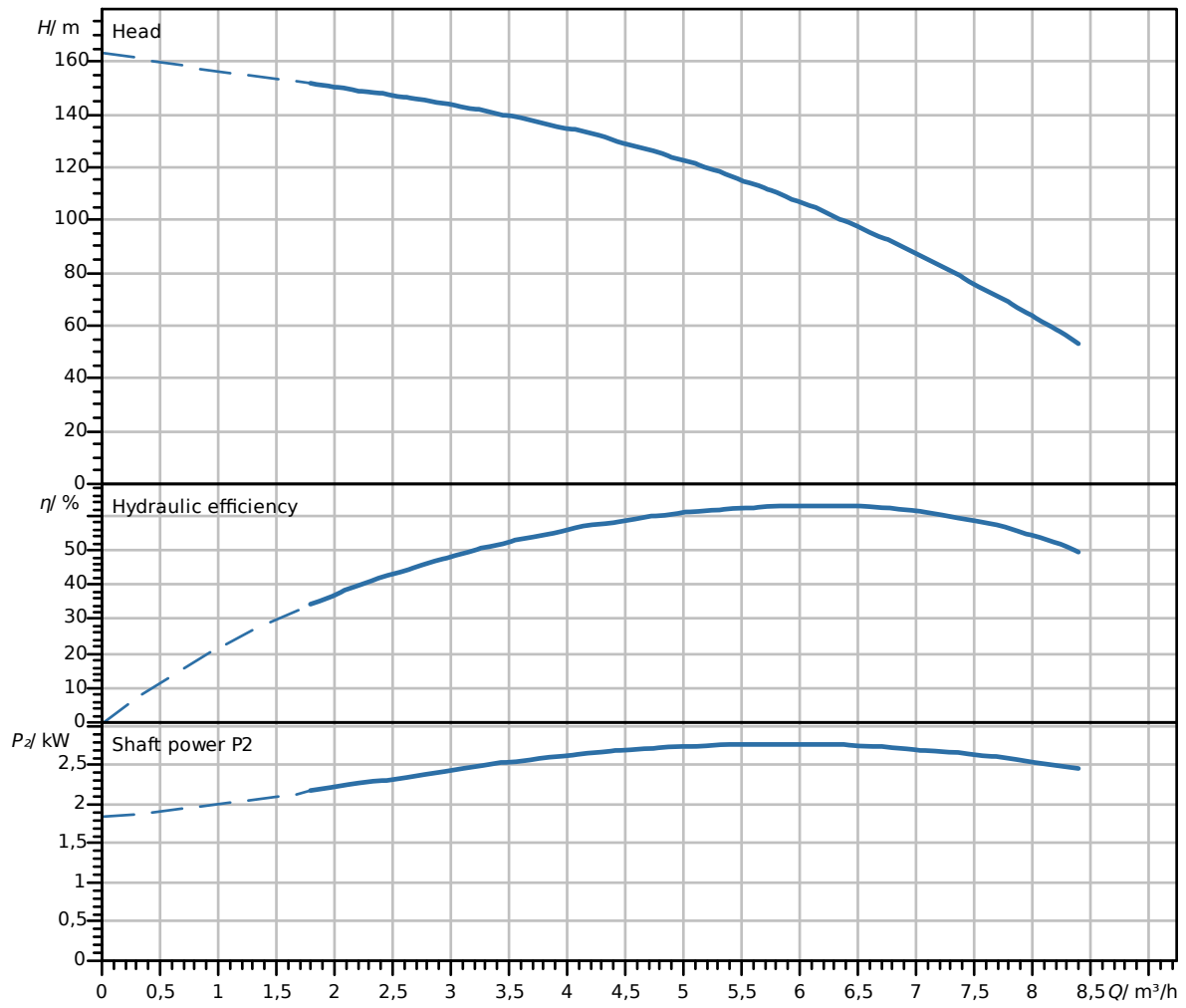
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	163,5 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	27,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	27,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-27-B/XI4-50-3-400
Article number	<b>6083392</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $PN$	24 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Starting current $I$	57,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

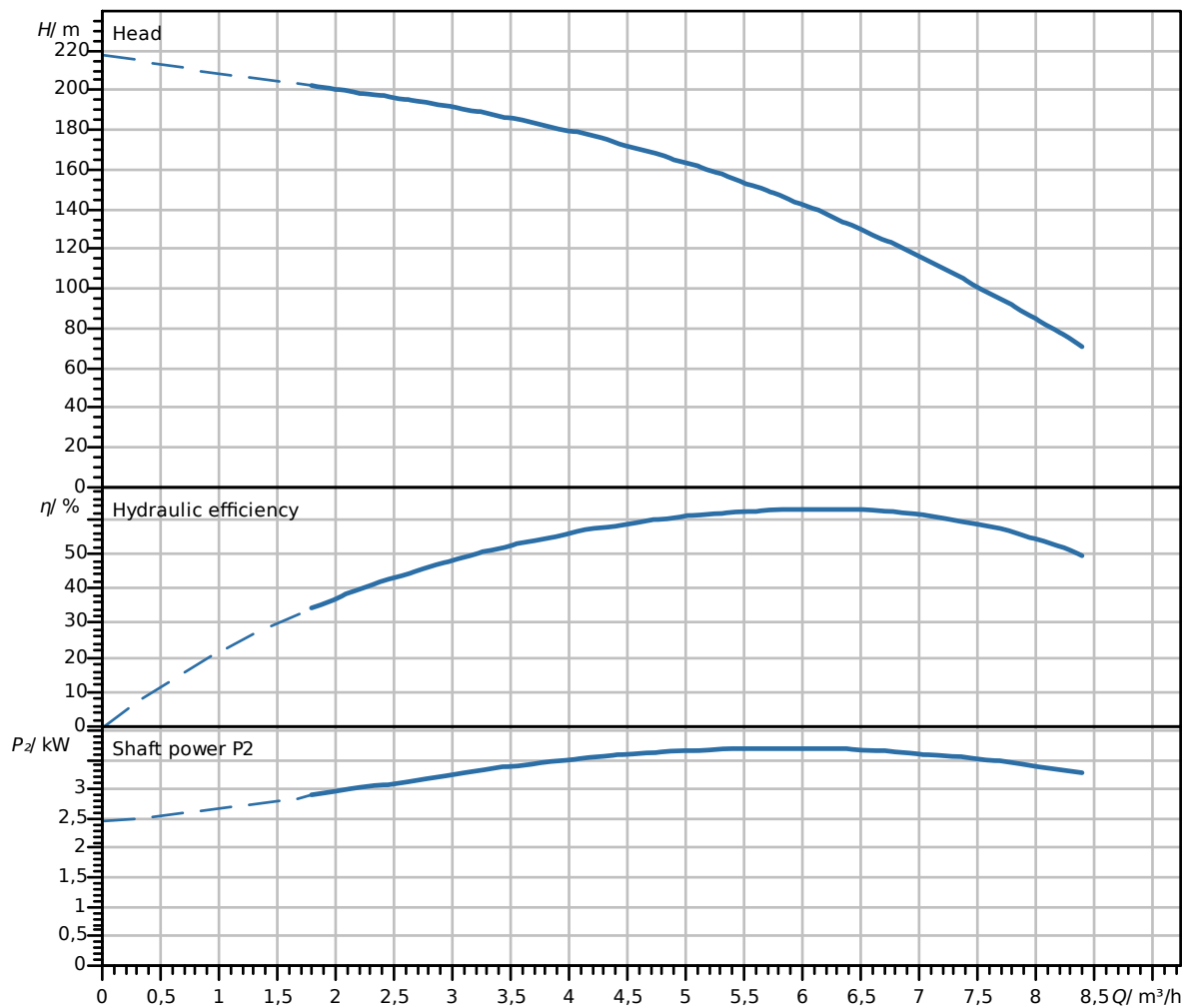
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	218,1 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	33,6 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	33,6 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-36-B/XI4-50-3-400
Article number	<b>6083393</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,51
Maximum operating pressure $P_N$	33 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,51
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Starting current $I$	78,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,81
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

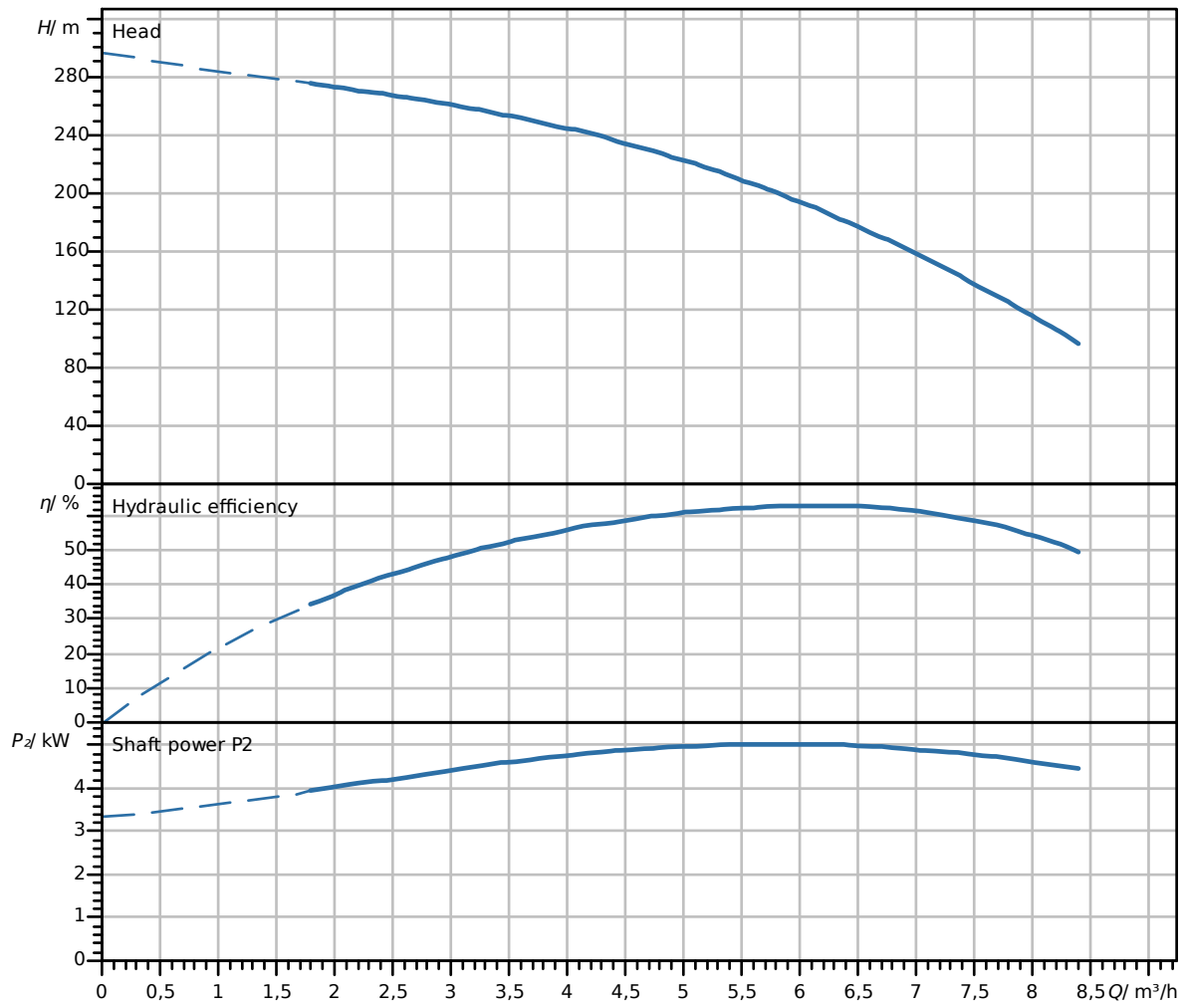
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	296,8 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,51
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	40,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	40,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.06-49-B/XI4-50-3-400
Article number	<b>6083394</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	3 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Starting current $I$	25 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,95
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

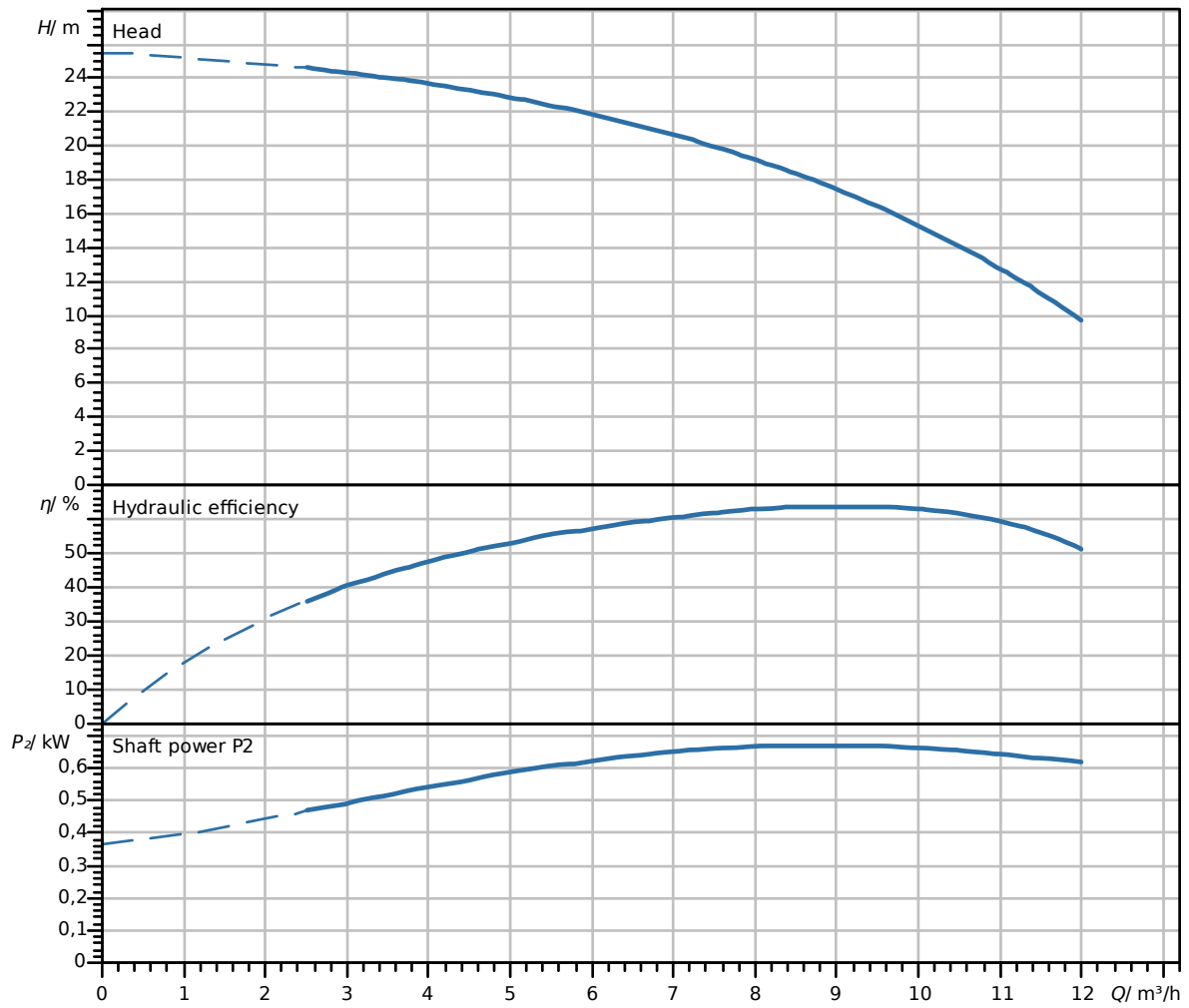
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	25,5 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	13,4 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2905 1/min
Rated current $I_N$	5,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	13,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-04-B/XI4-50-1-230
Article number	<b>6083349</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $PN$	3 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Starting current $I$	10,2 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

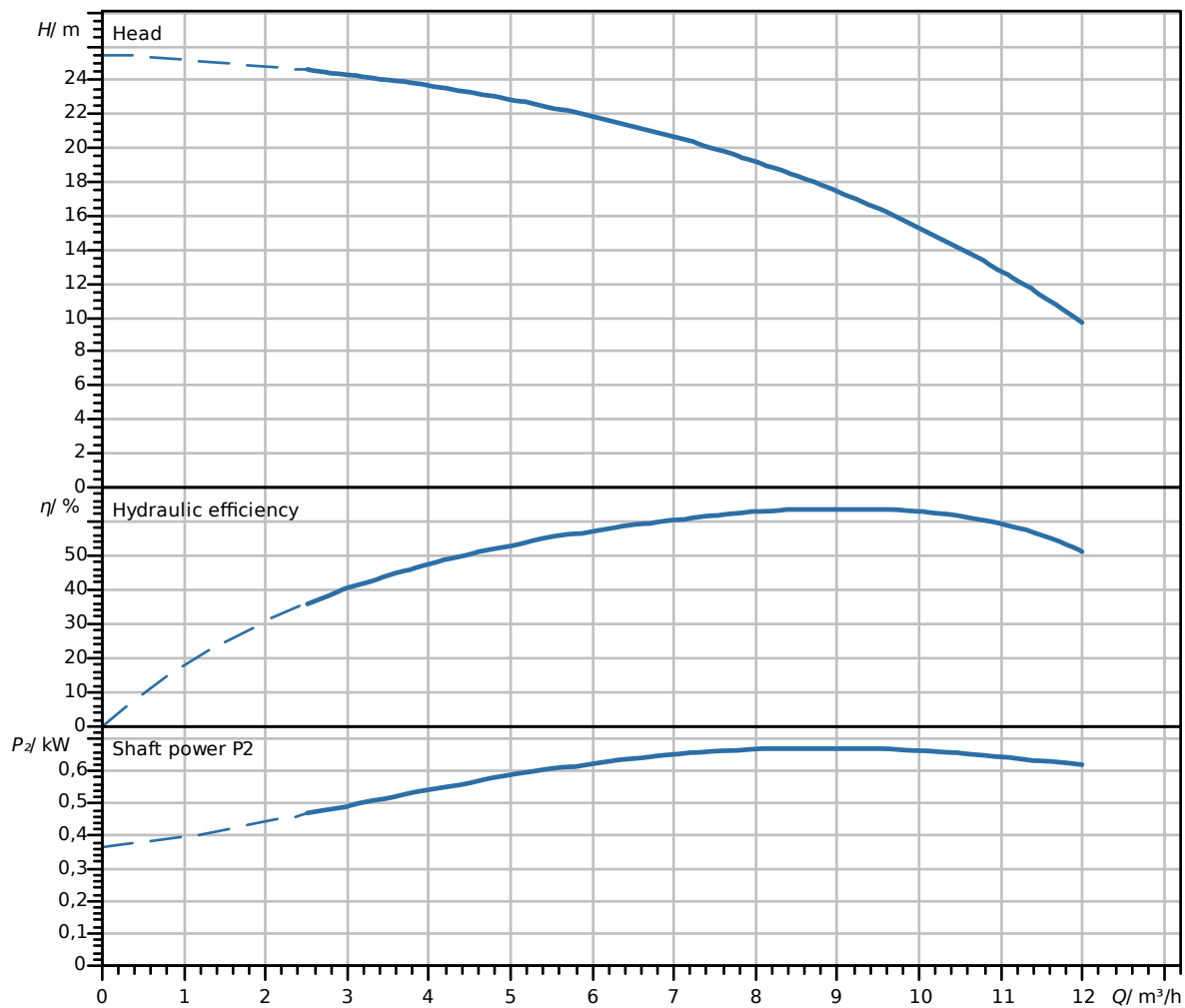
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	25,5 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	12,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	0,75 kW
Rated speed $n$	2870 1/min
Rated current $I_N$	2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	12,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-04-B/XI4-50-3-400
Article number	<b>6083395</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Starting current $I$	37 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,91
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

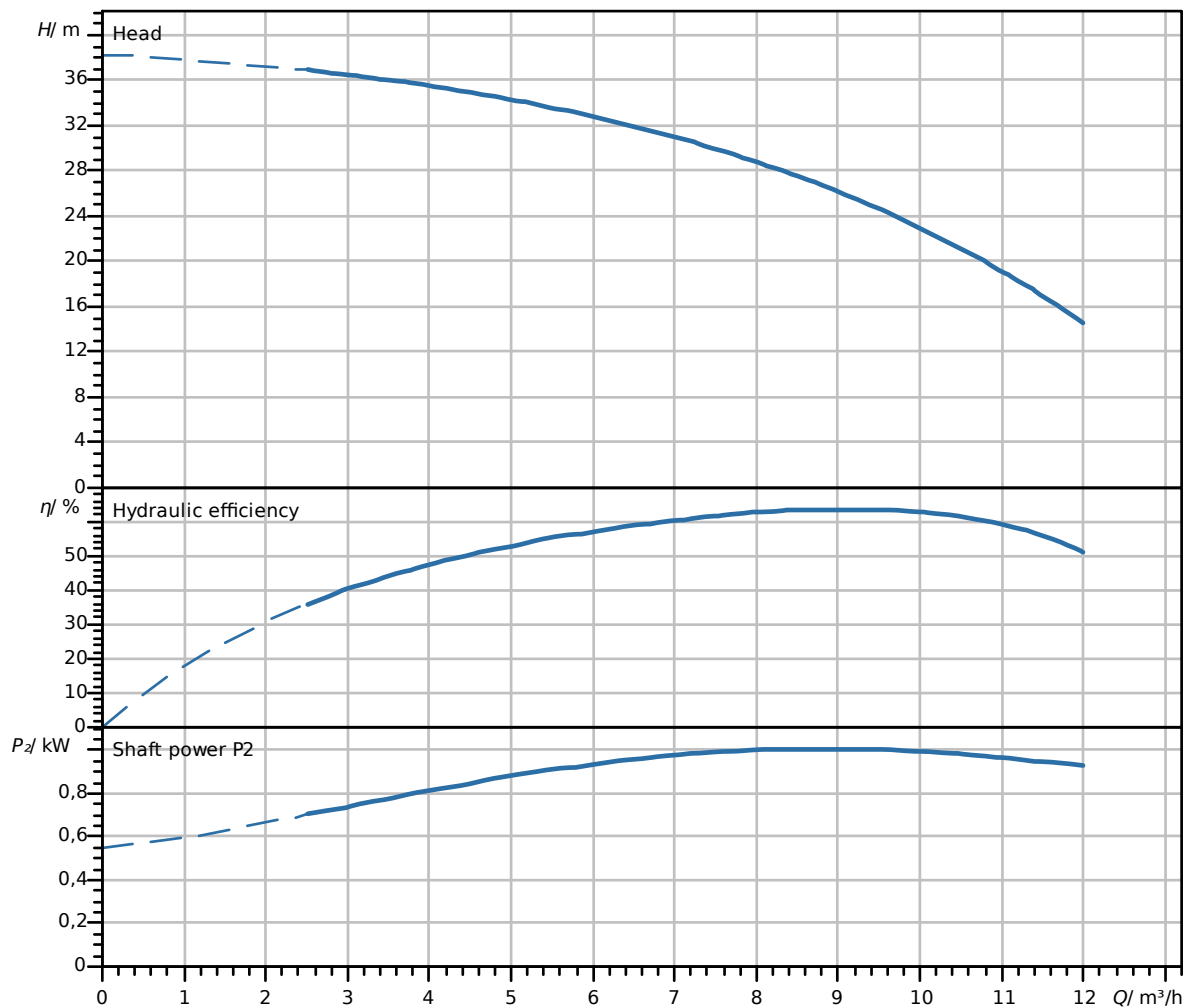
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	38,3 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	15,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2885 1/min
Rated current $I_N$	8,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	15,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-06-B/XI4-50-1-230
Article number	<b>6083350</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	4 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Starting current $I$	17,5 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,76
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

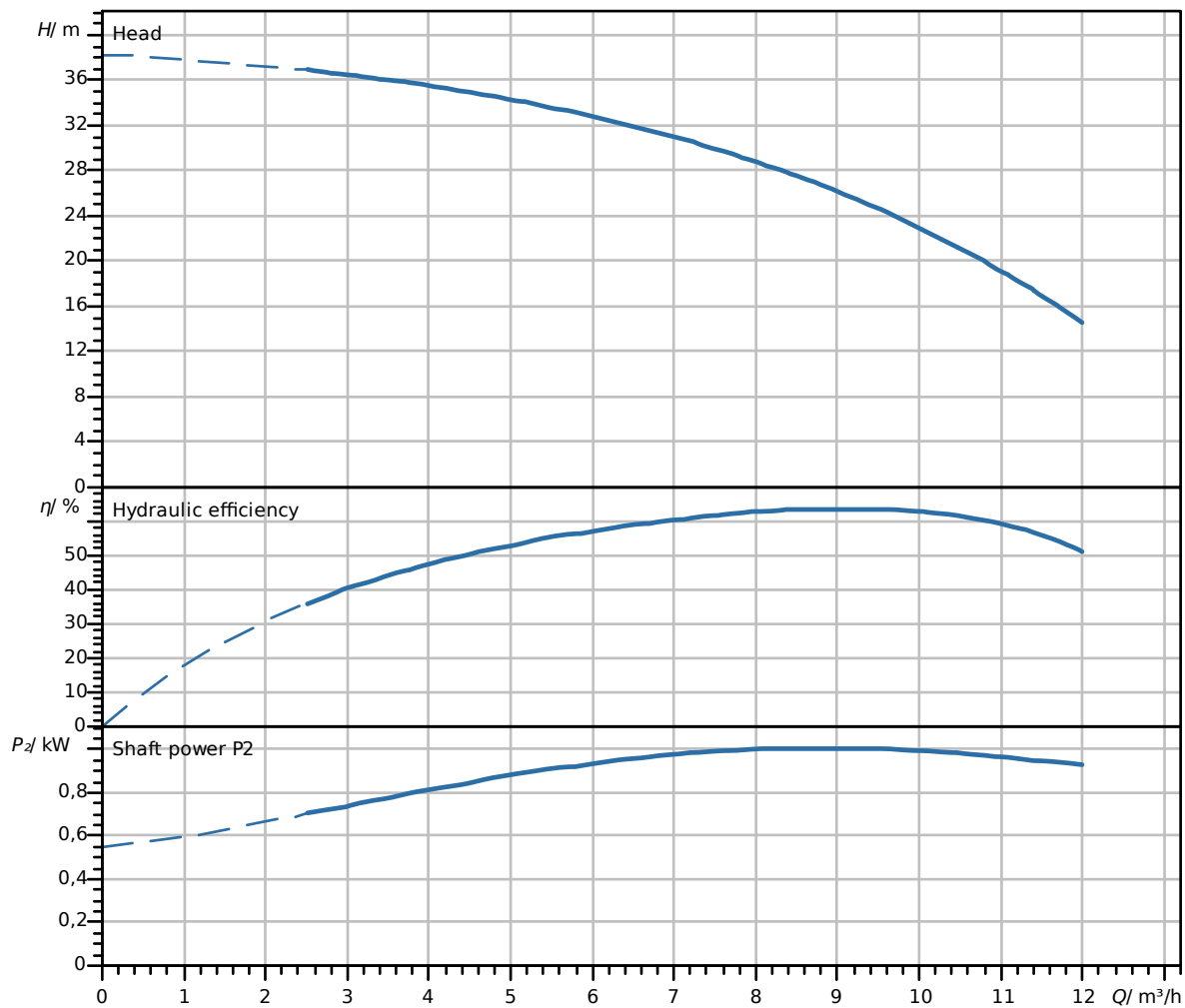
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	38,3 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	14 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,1 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	2,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	14 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-06-B/XI4-50-3-400
Article number	<b>6083396</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Starting current $I$	44 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,92
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

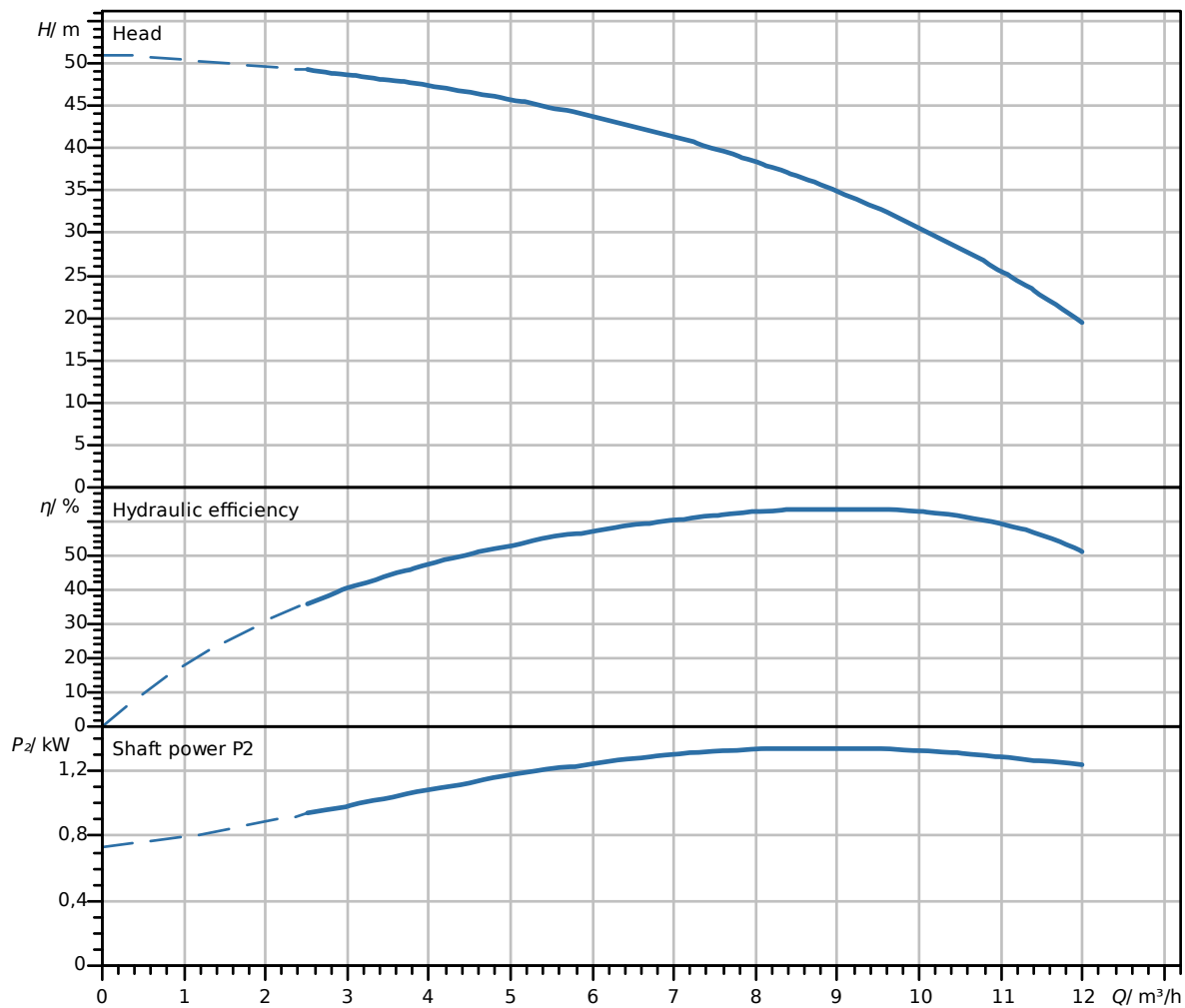
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

### Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	51,1 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	18 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	18 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-08-B/XI4-50-1-230
Article number	<b>6083351</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $PN$	6 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Starting current $I$	24,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,77
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

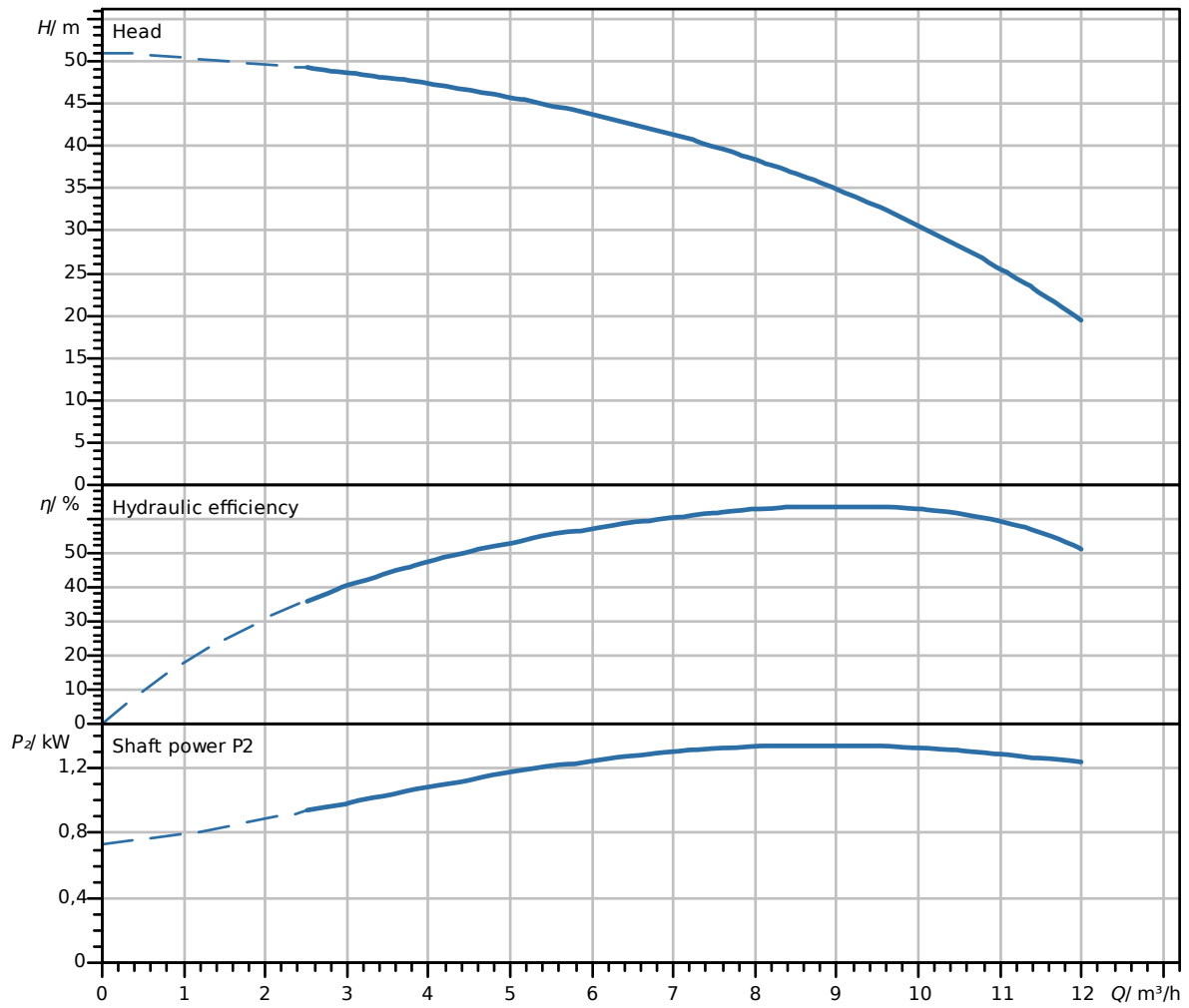
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	51,1 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	16,7 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	16,7 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-08-B/XI4-50-3-400
Article number	<b>6083397</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $PN$	9 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Starting current $I$	64 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,97
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

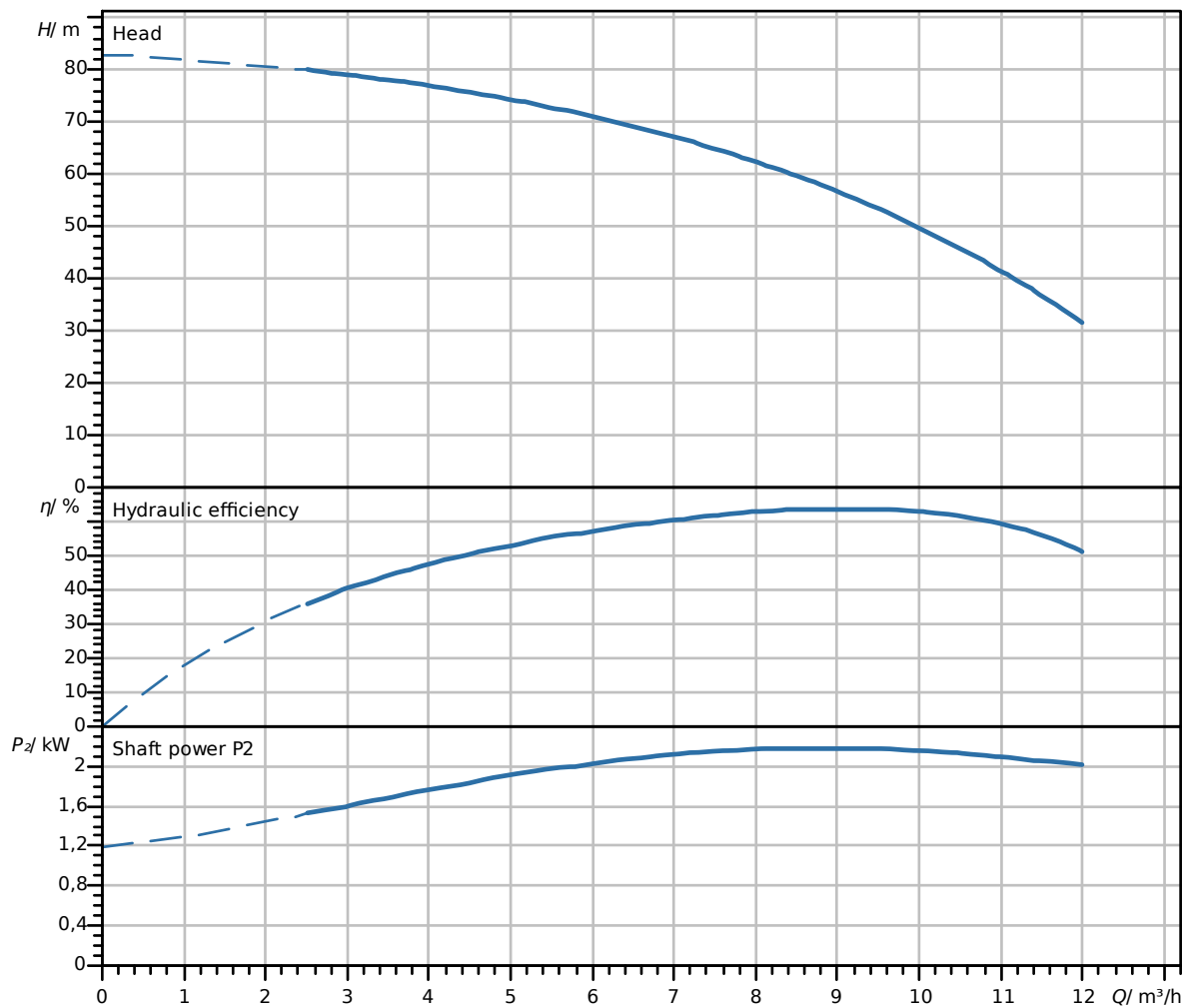
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	83,0 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	23,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	23,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-13-B/XI4-50-1-230
Article number	<b>6083352</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	9 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Starting current $I$	38,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

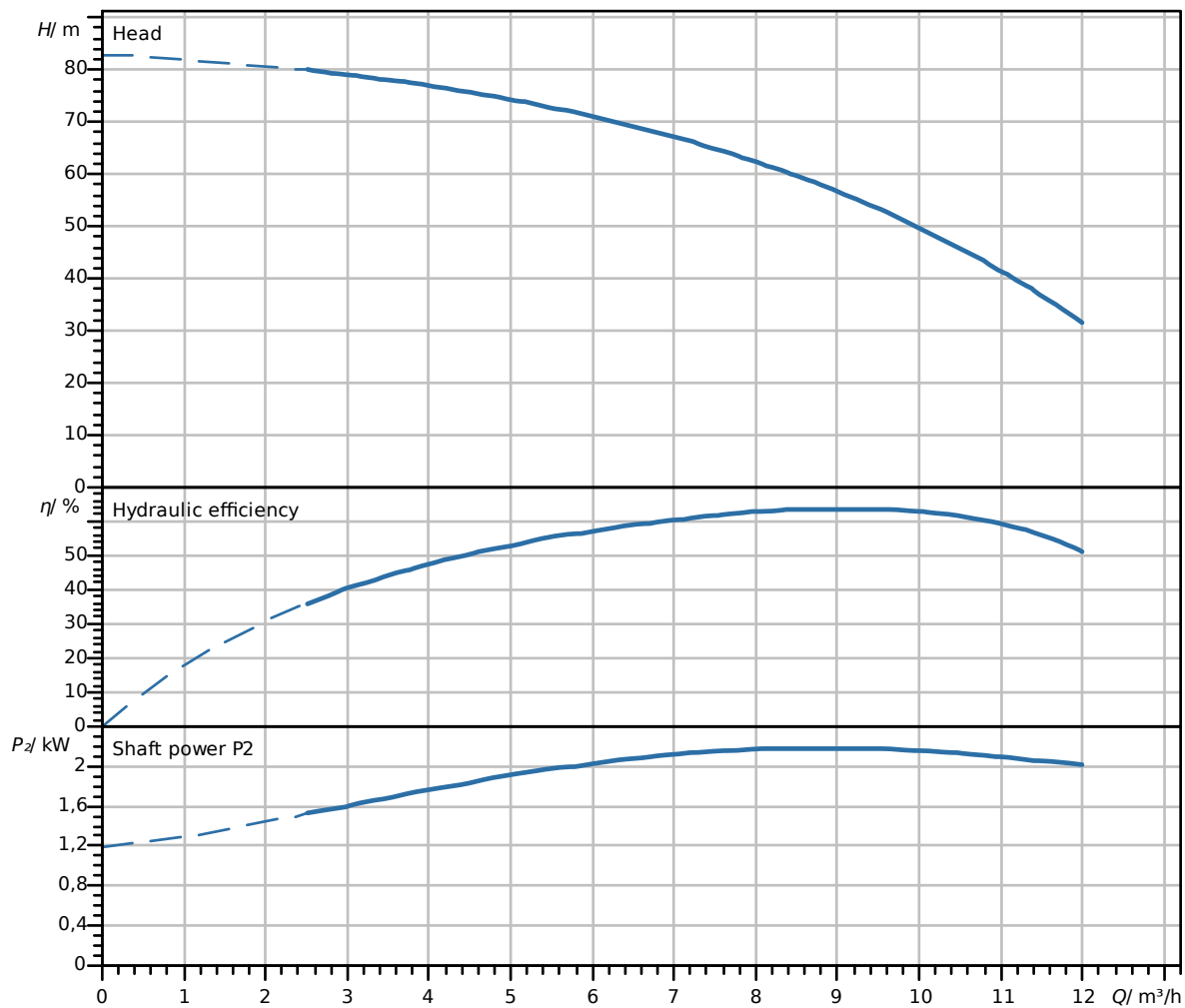
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	83,0 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	19,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	19,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-13-B/XI4-50-3-400
Article number	<b>6083398</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	12 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Starting current $I$	42,1 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

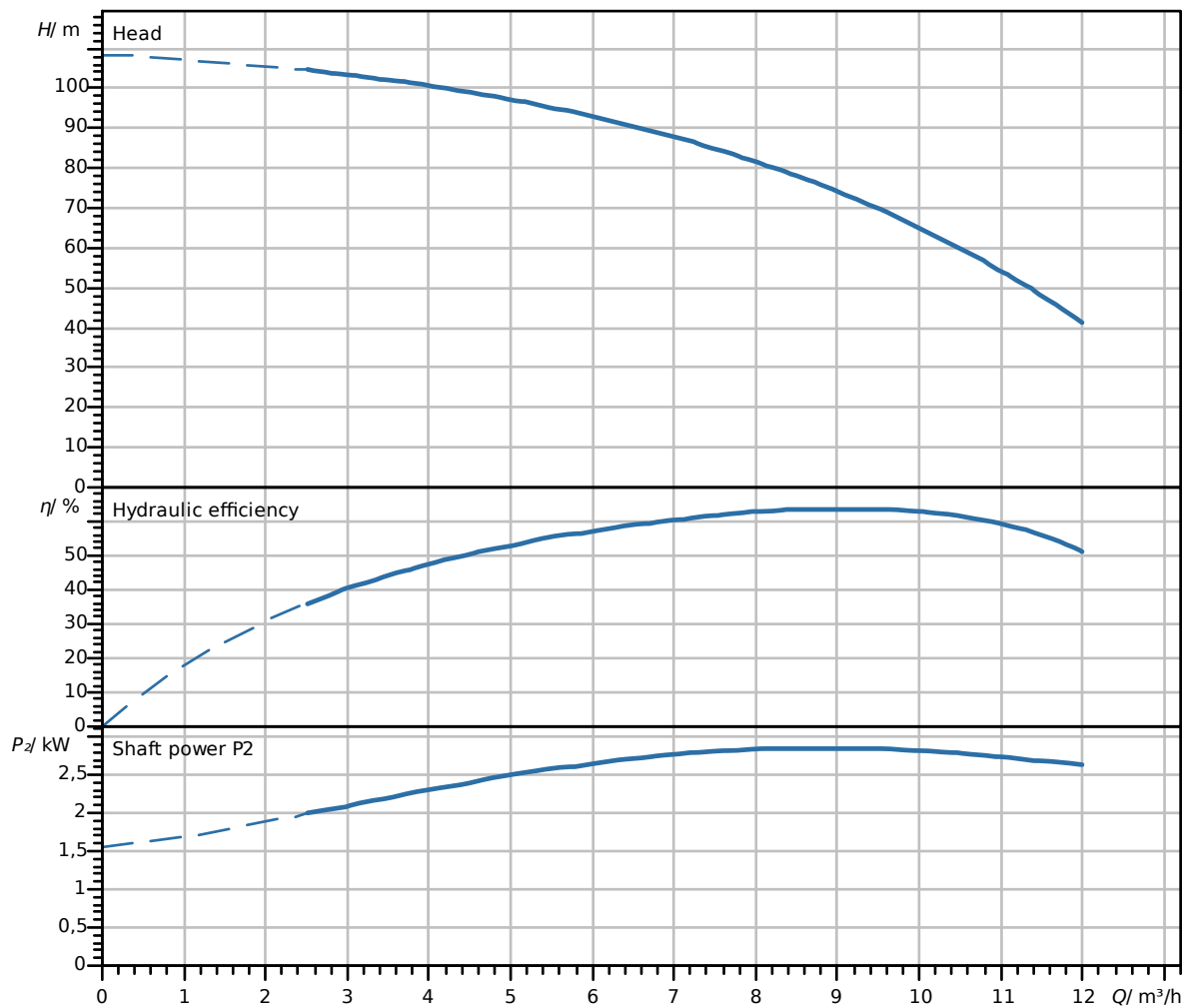
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	108,5 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	23,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	23,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-17-B/XI4-50-3-400
Article number	<b>6083399</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	16 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Starting current $I$	57,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

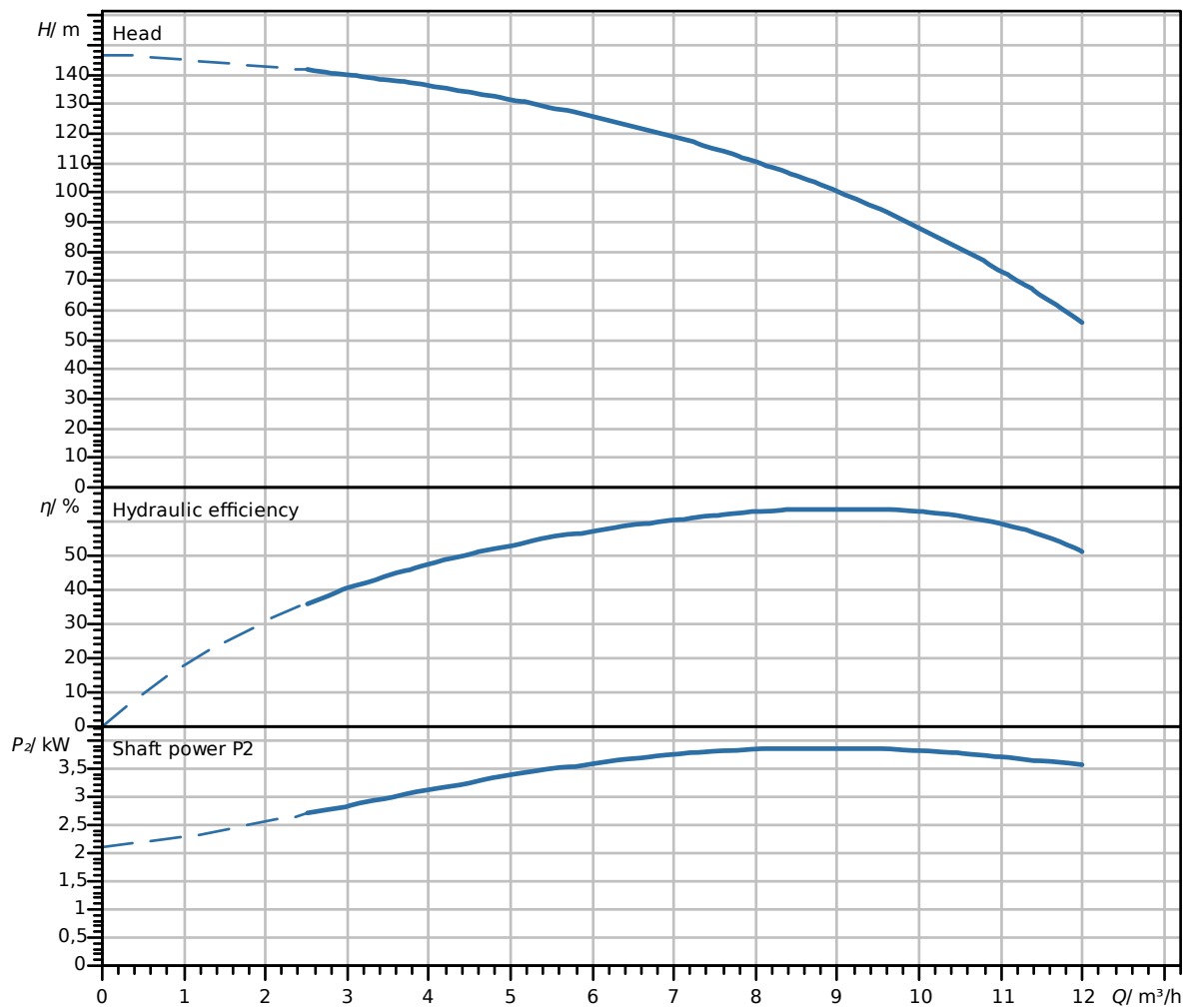
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	146,8 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	29,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	29,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-23-B/XI4-50-3-400
Article number	<b>6083500</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	23 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Starting current $I$	78,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,81
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

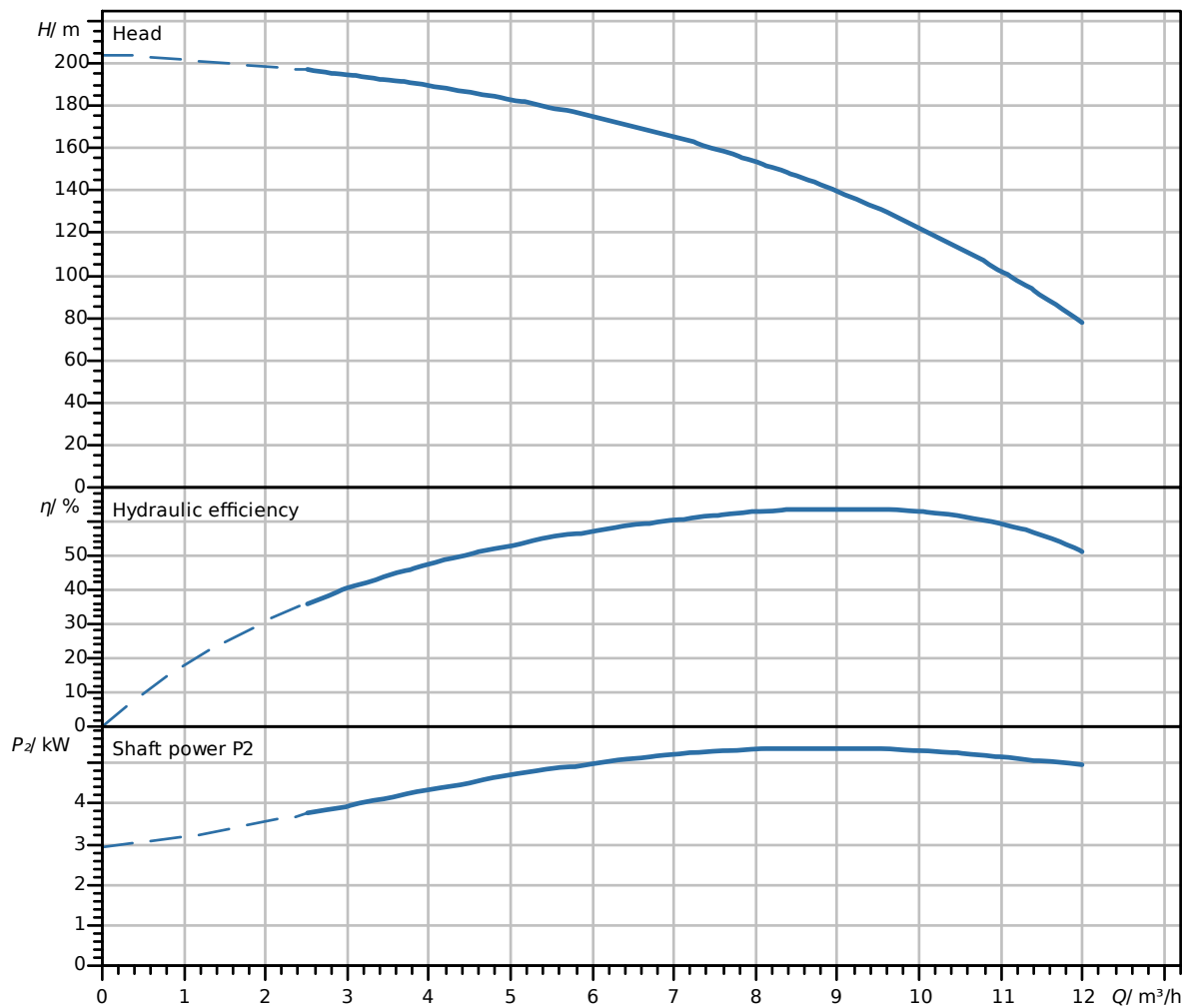
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	204,2 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	35,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	35,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.08-32-B/XI4-50-3-400
Article number	<b>6083501</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Starting current $I$	44 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,92
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

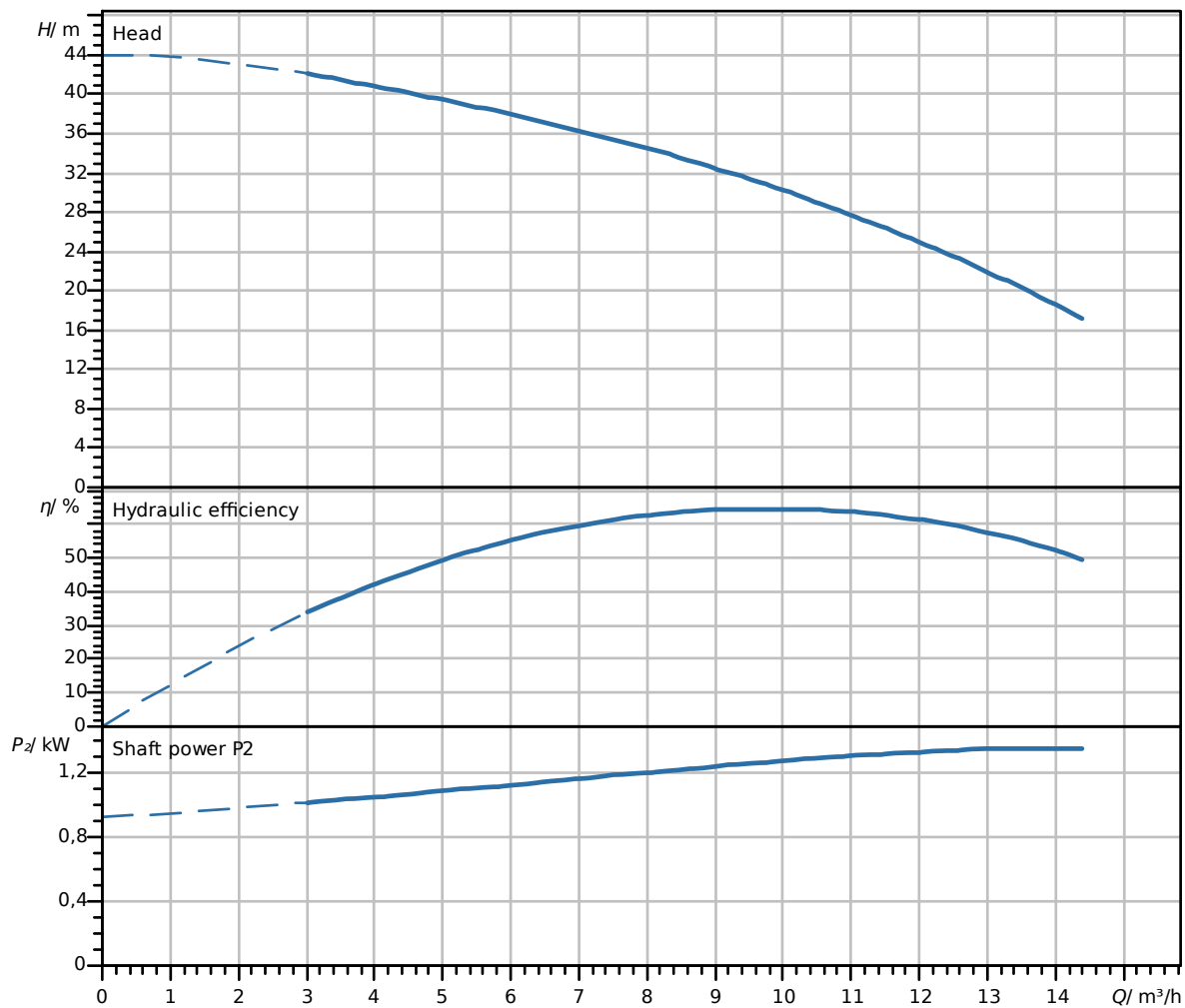
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{\max}$	44,1 m
-------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C
Net weight, approx. $m$	19,4 kg
Max. diameter $D_{\max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2895 1/min
Rated current $I_N$	10,7 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	19,4 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-07-B/XI4-50-1-230
Article number	<b>6083353</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $PN$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Starting current $I$	24,7 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,77
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

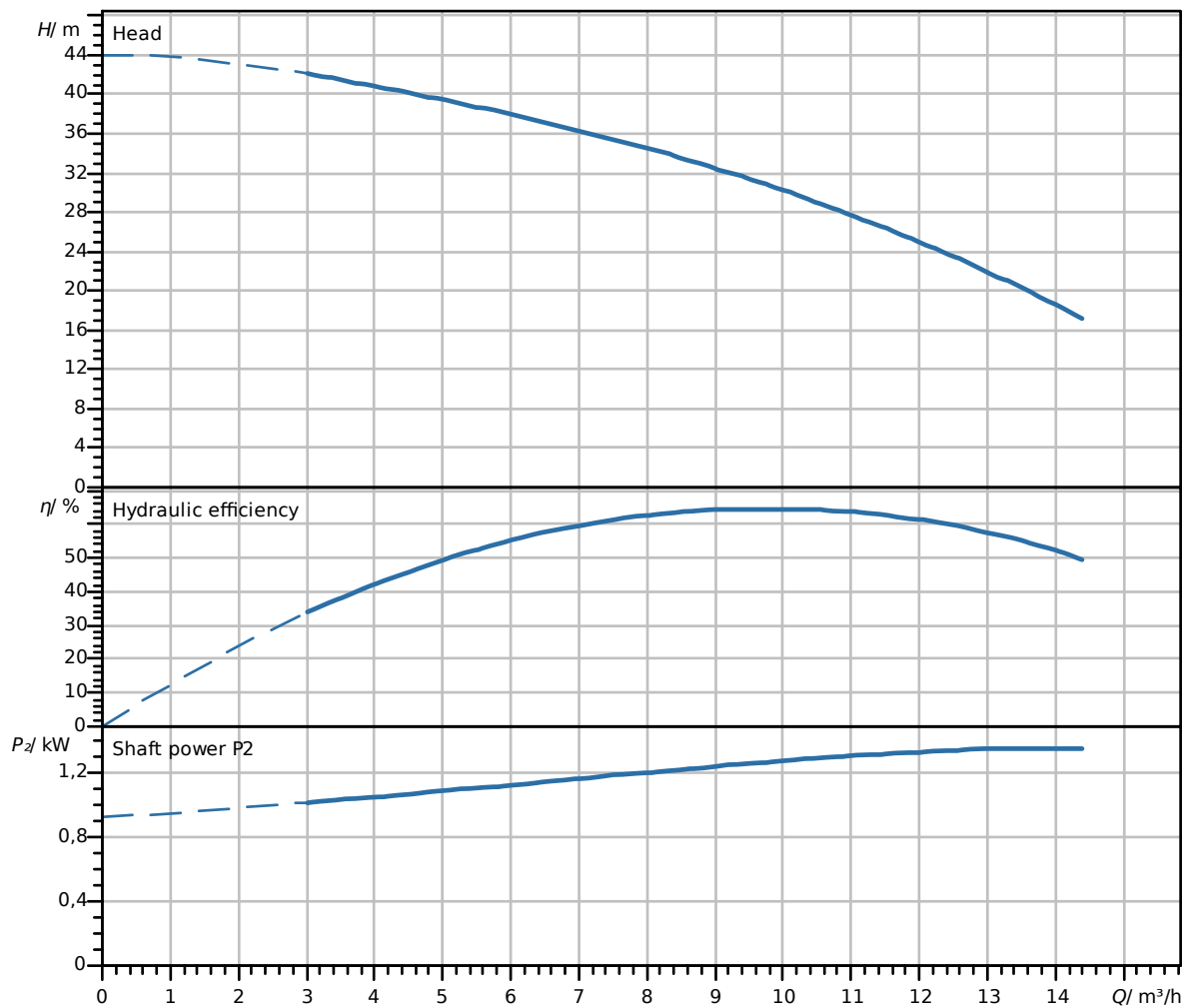
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	44,1 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	18,1 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1,5 kW
Rated speed $n$	2875 1/min
Rated current $I_N$	3,8 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	18,1 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-07-B/XI4-50-3-400
Article number	<b>6083502</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $PN$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Starting current $I$	64 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,97
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

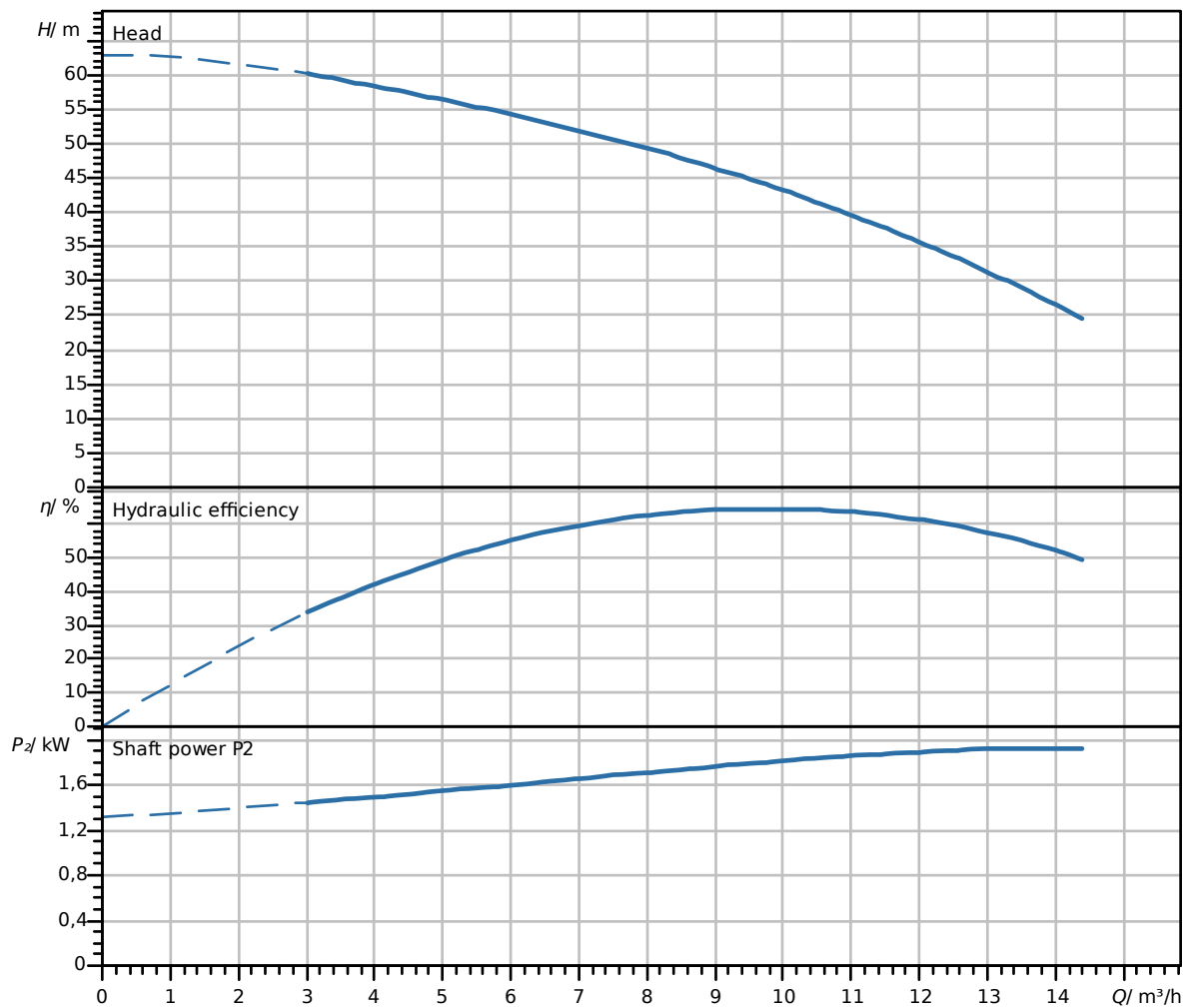
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	63,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	25,2 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1-230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	25,2 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-10-B/XI4-50-1-230
Article number	<b>6083354</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Starting current $I$	38,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

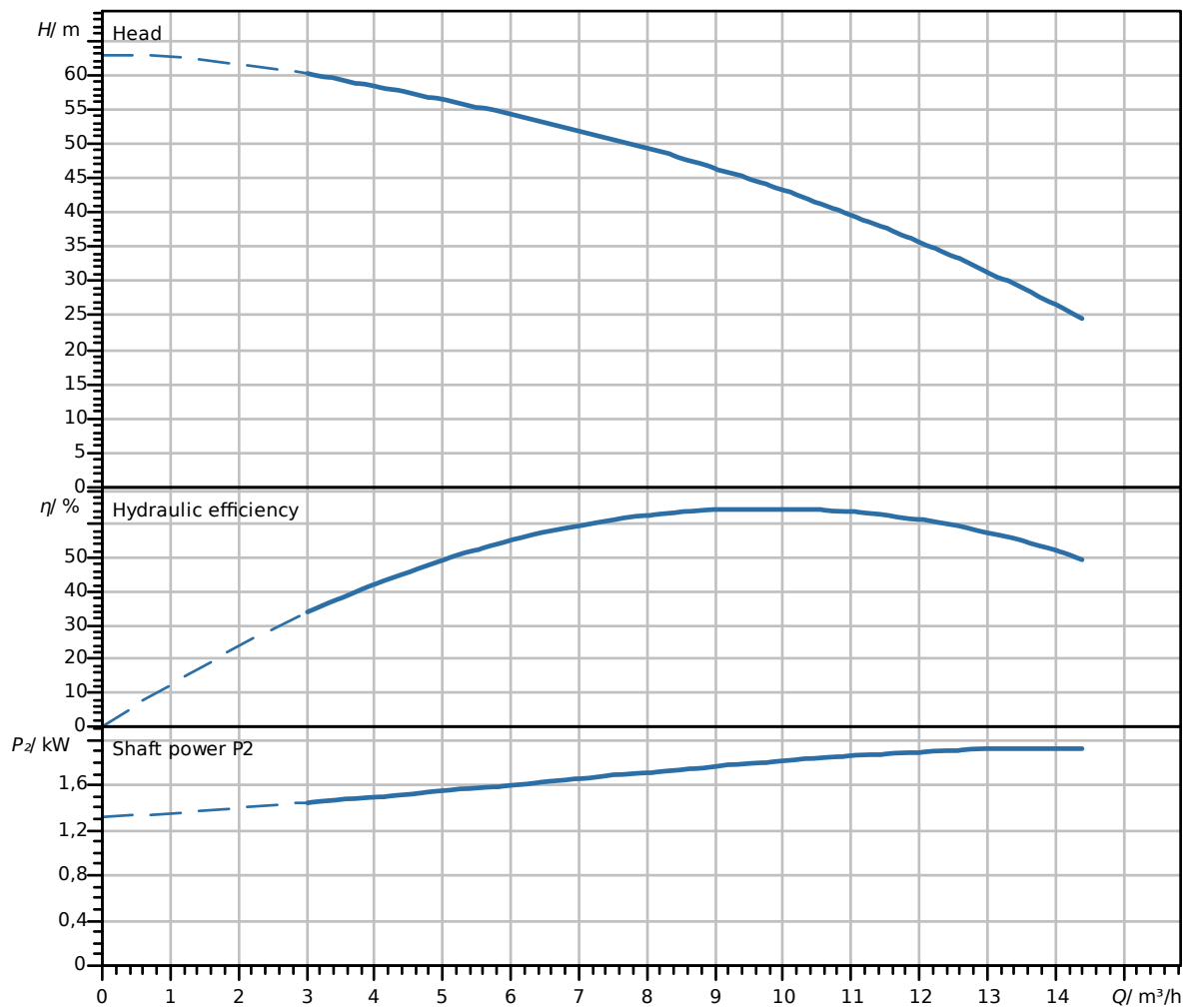
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DN_d$	Rp 2
----------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	63,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	21,1 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	21,1 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-10-B/XI4-50-3-400
Article number	<b>6083503</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $PN$	10 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Starting current $I$	42,1 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

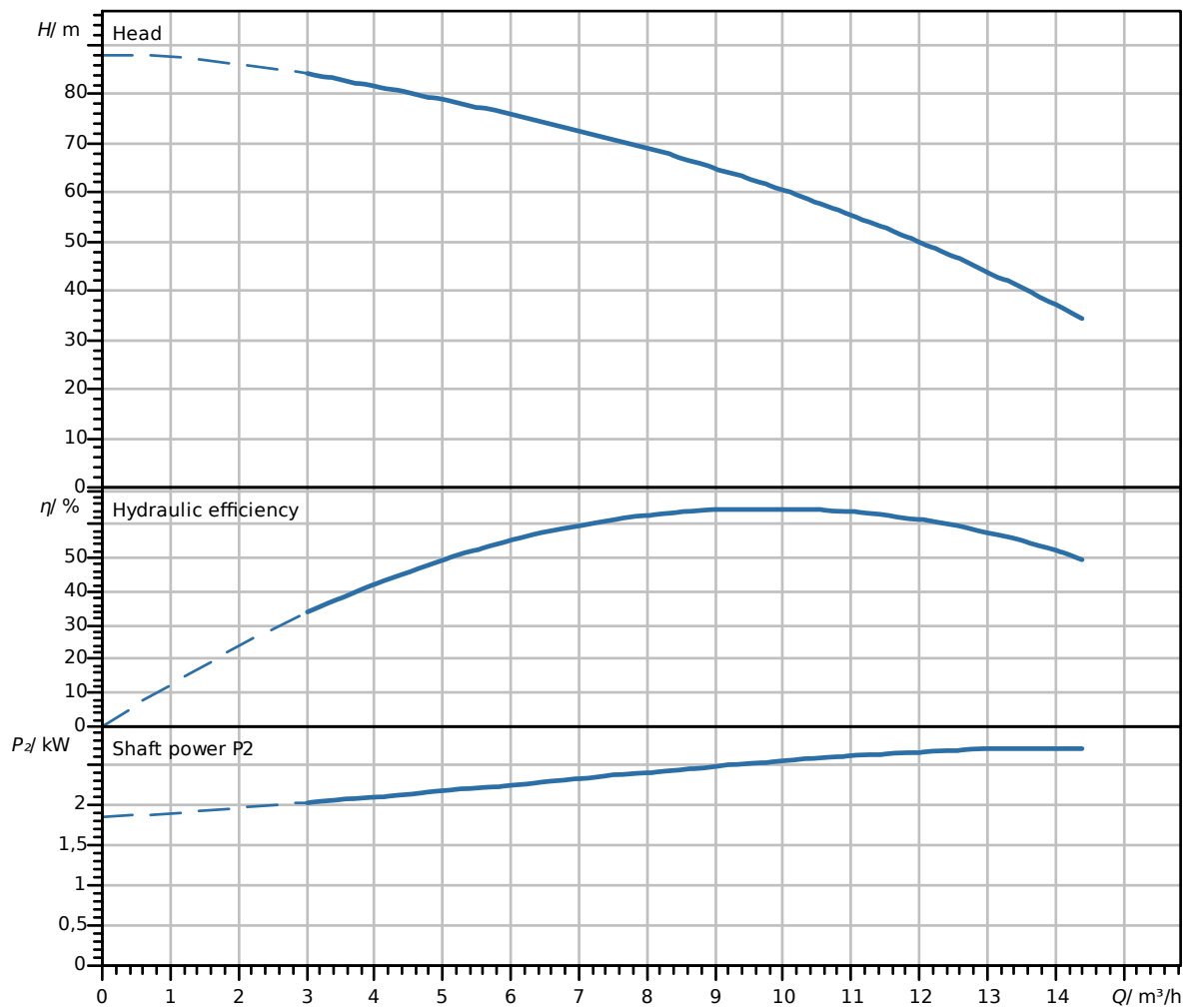
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	88,2 m
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## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	25,5 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	25,5 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-14-B/XI4-50-3-400
Article number	<b>6083504</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	13 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Starting current $I$	57,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

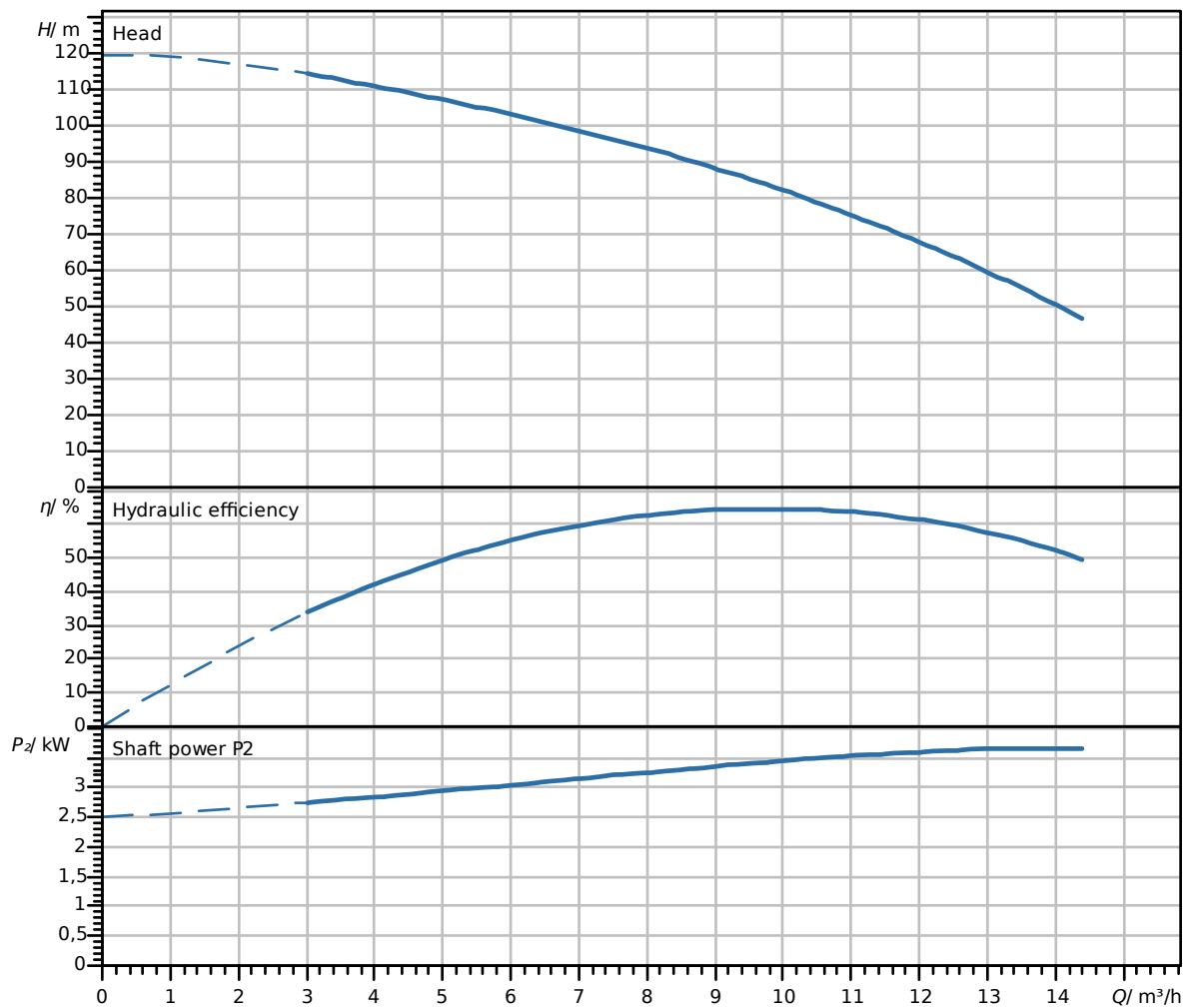
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	119,6 m
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## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	32,7 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	32,7 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-19-B/XI4-50-3-400
Article number	<b>6083505</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $P_N$	18 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Starting current $I$	78,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,81
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

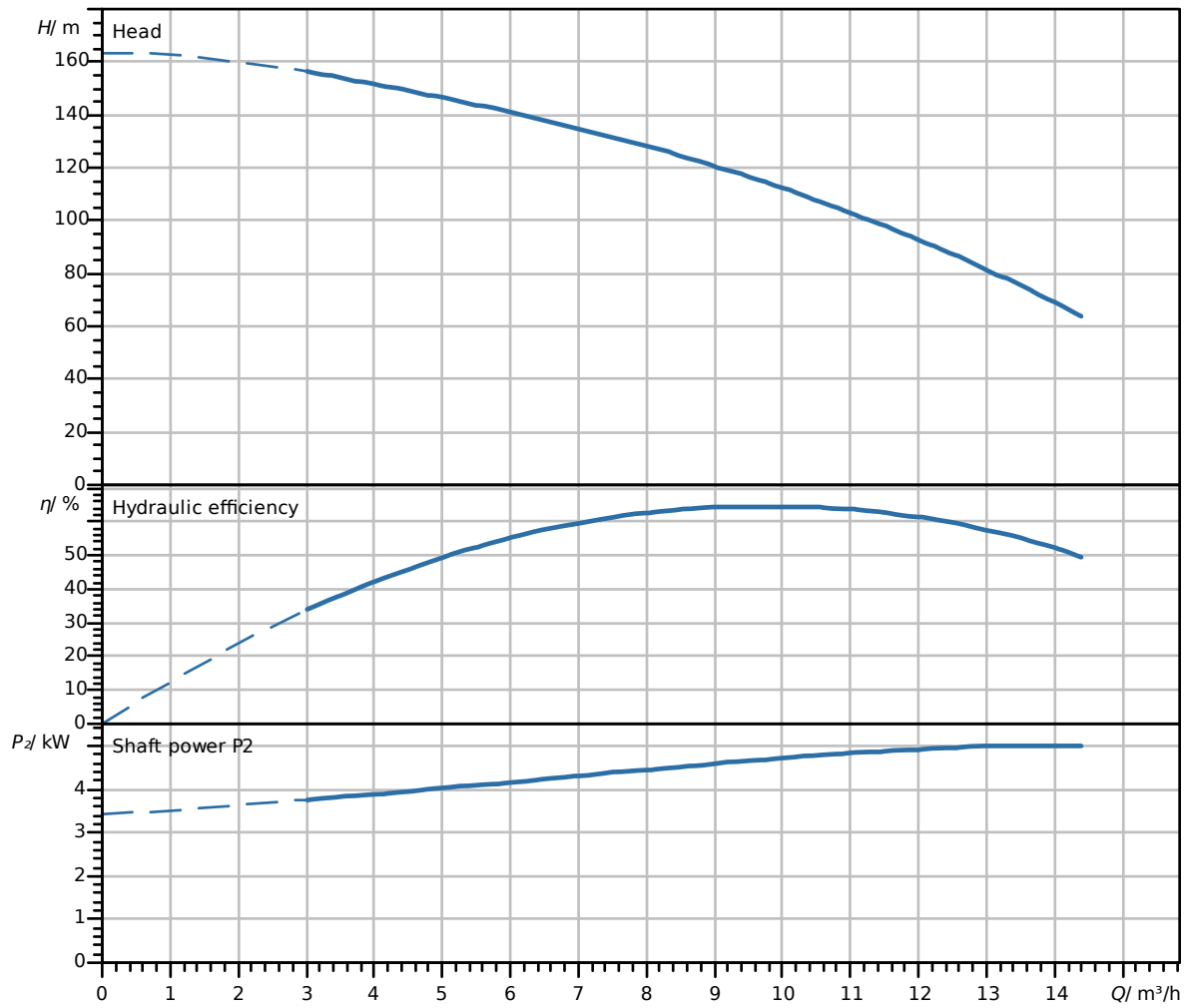
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	163,7 m
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## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	39 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	39 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-26-B/XI4-50-3-400
Article number	<b>6083506</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,36
Maximum operating pressure $PN$	24 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,36
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	7,5 kW
Rated speed $n$	2850 1/min
Rated current $I_N$	16,9 A
Starting current $I$	94,8 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,81
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

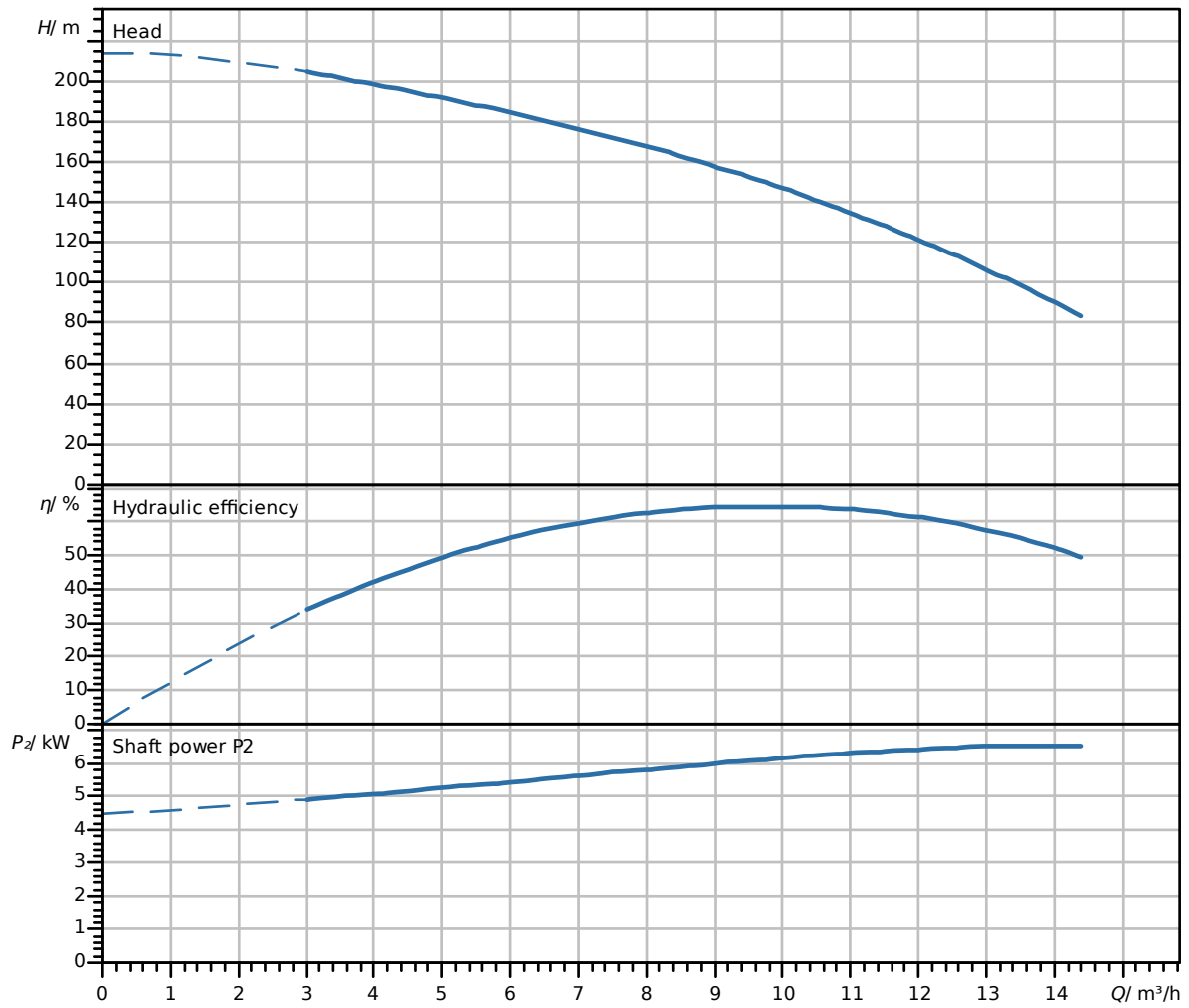
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	204,2 m
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## Unit

Minimum efficiency index (MEI)	≥0,36
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	49,3 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	7,5 kW
Rated speed $n$	2850 1/min
Rated current $I_N$	16,9 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	49,3 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.12-34-B/XI4-50-3-400
Article number	<b>6083842</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,1
Maximum operating pressure $P_N$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,10
Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Starting current $I$	64 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,97
Max. switching frequency $t$	20 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

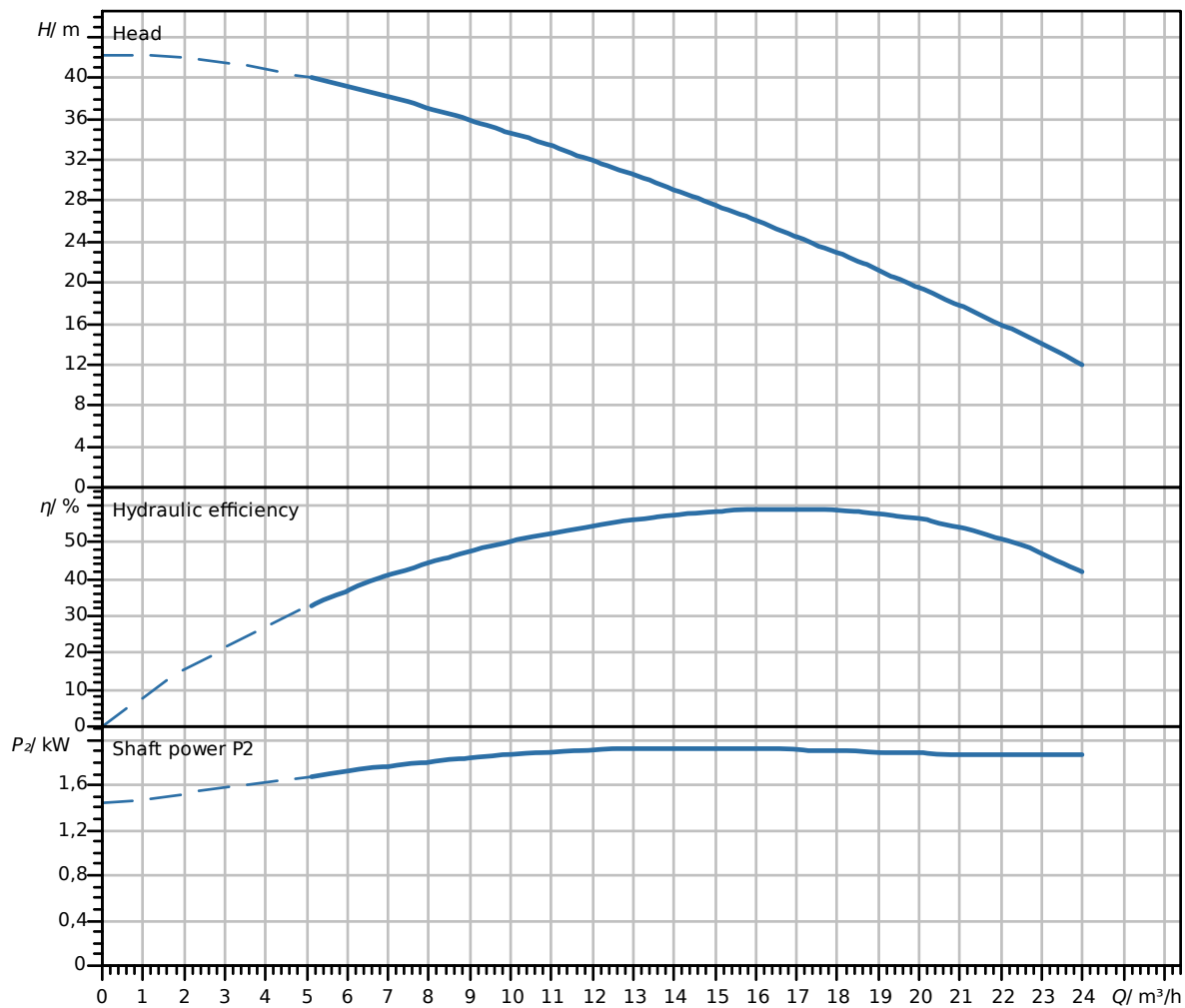
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	40,0 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,1
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	23,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2900 1/min
Rated current $I_N$	14,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	20 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	23,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.16-07-B/XI4-50-1-230
Article number	<b>6083355</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,1
Maximum operating pressure $P_N$	5 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,10
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Starting current $I$	38,3 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

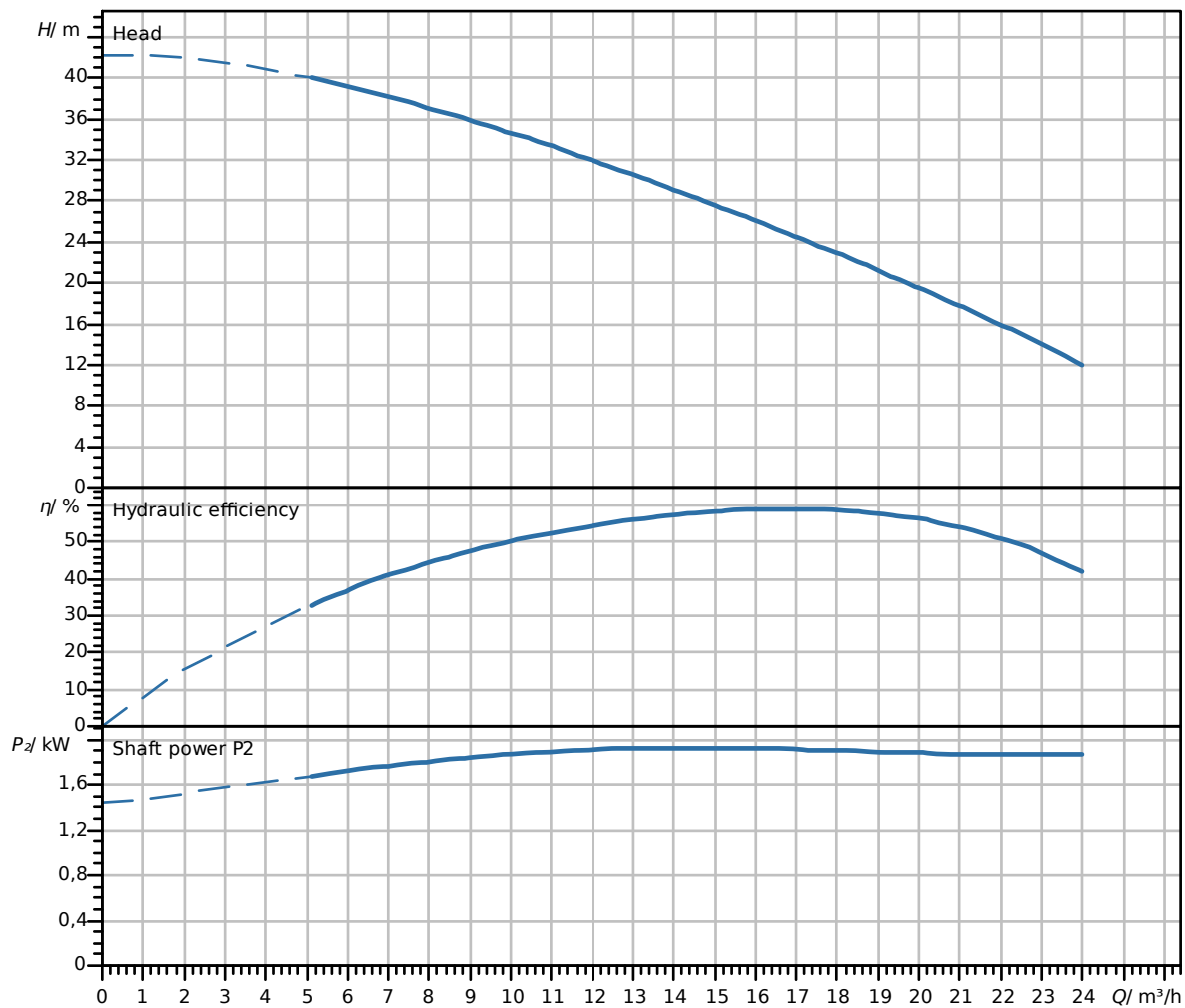
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{\max}$	40,0 m
-------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,1
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C
Net weight, approx. $m$	19,7 kg
Max. diameter $D_{\max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2,2 kW
Rated speed $n$	2855 1/min
Rated current $I_N$	5,3 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	19,7 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.16-07-B/XI4-50-3-400
Article number	<b>6083507</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,1
Maximum operating pressure $PN$	7 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,10
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Starting current $I$	42,1 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

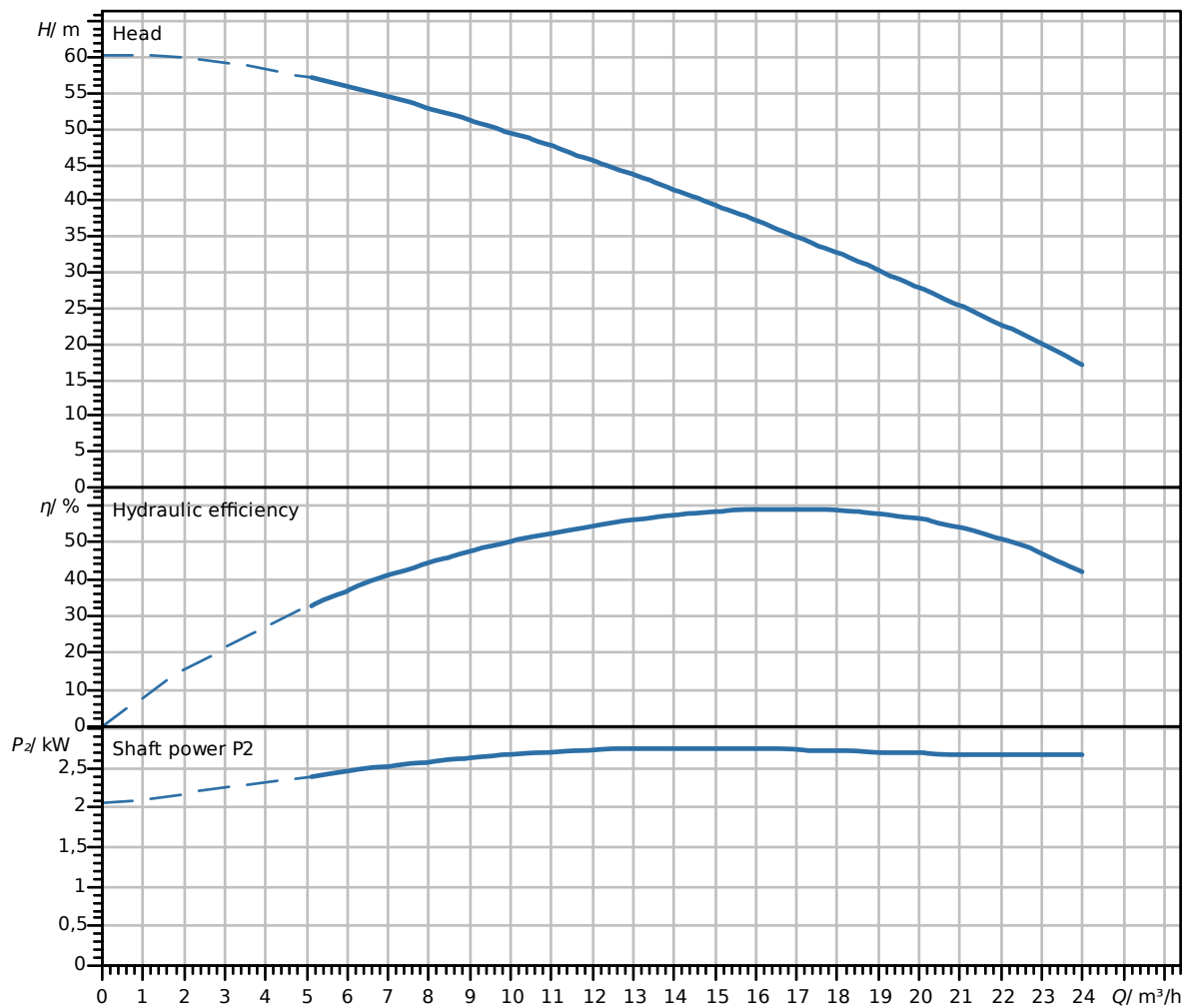
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	57,1 m
------------------------------	--------

## Unit

Minimum efficiency index (MEI)	≥0,1
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	23,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	3 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	7,2 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	23,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.16-10-B/XI4-50-3-400
Article number	<b>6083508</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,1
Maximum operating pressure $PN$	9 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,10
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Starting current $I$	57,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,79
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

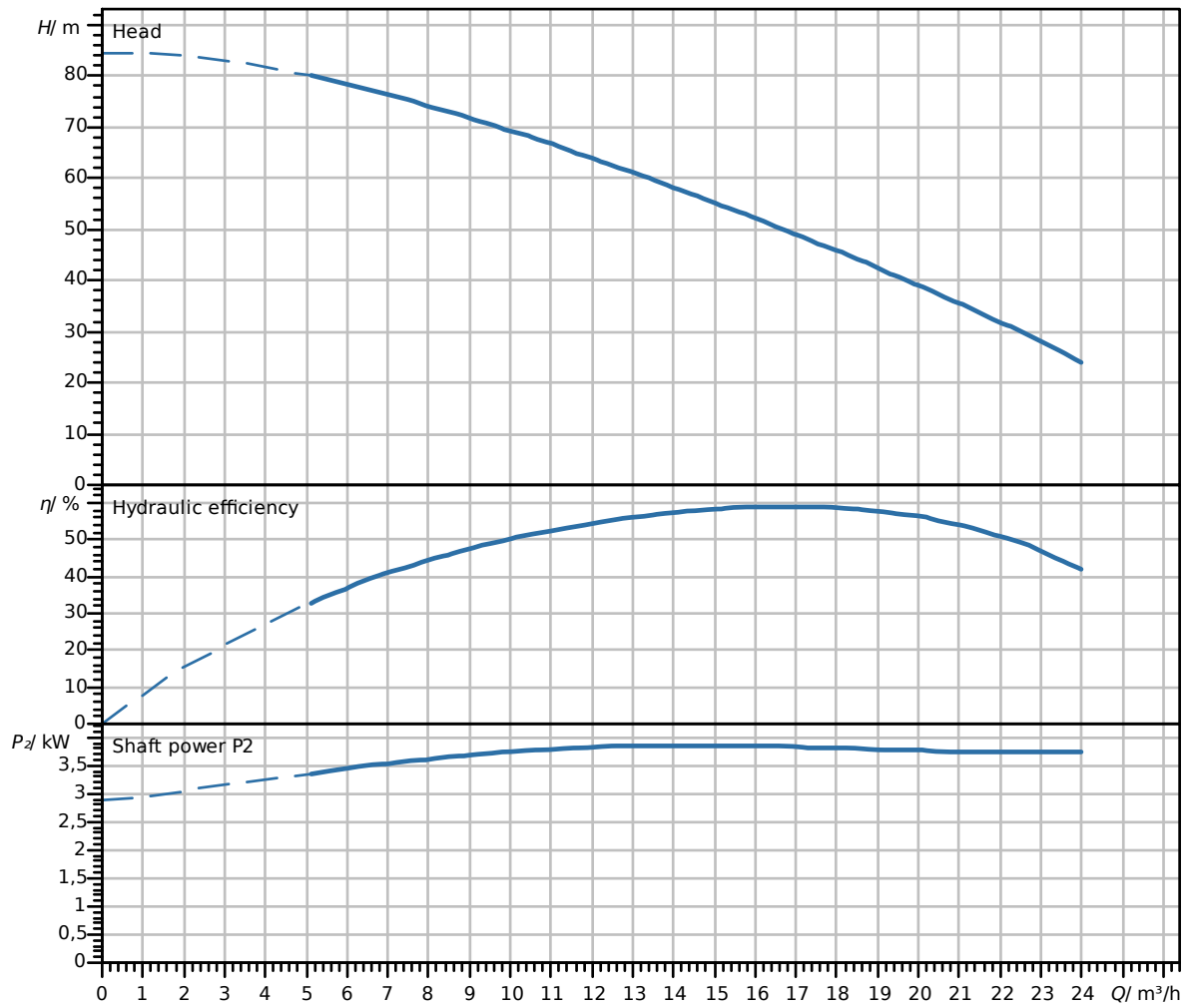
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	80,0 m
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## Unit

Minimum efficiency index (MEI)	≥0,1
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	29,9 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	4 kW
Rated speed $n$	2845 1/min
Rated current $I_N$	9,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G1,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	29,9 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.16-14-B/XI4-50-3-400
Article number	<b>6083509</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,1
Maximum operating pressure $P_N$	13 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,10
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Starting current $I$	78,9 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,81
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

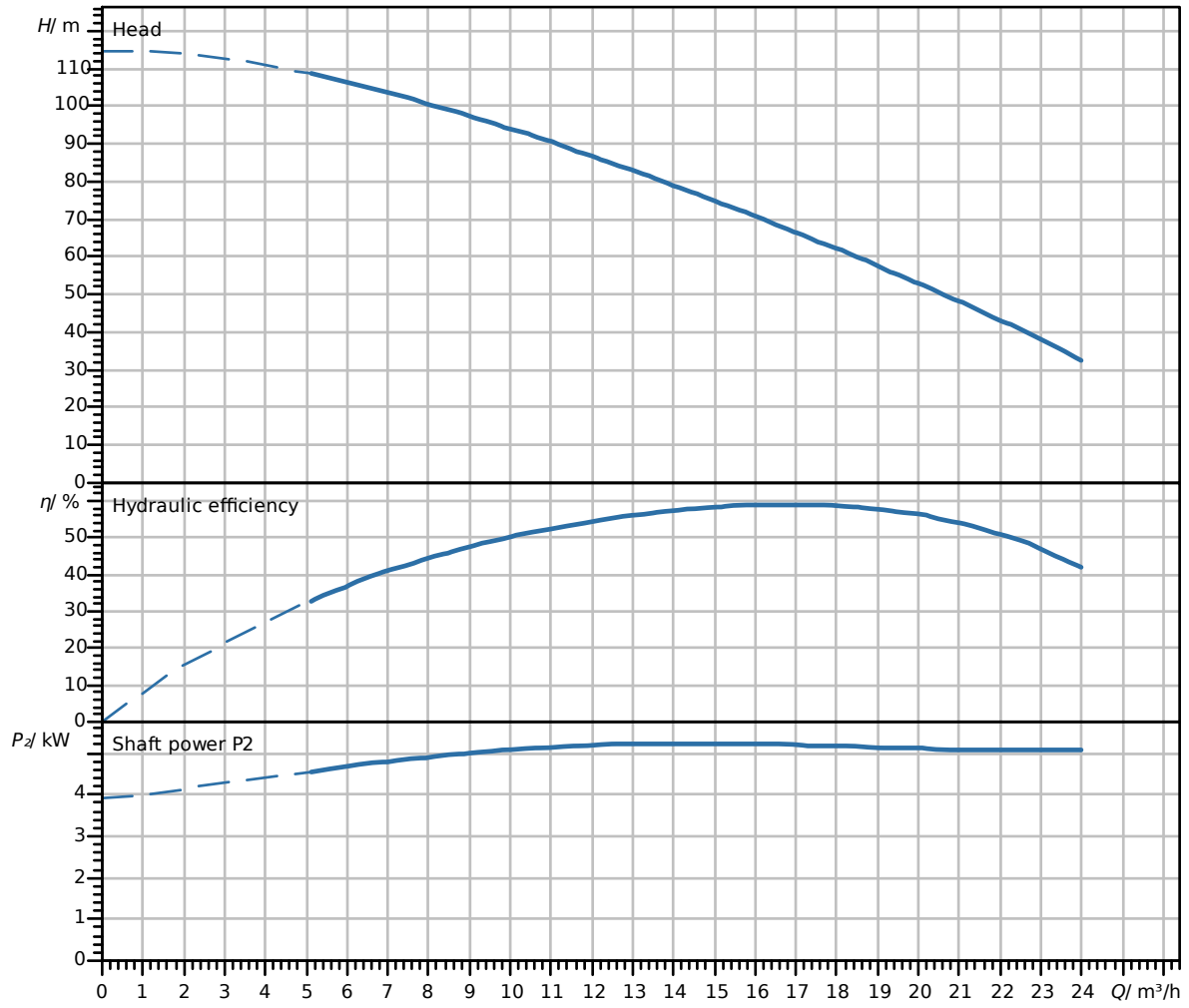
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	108,5 m
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## Unit

Minimum efficiency index (MEI)	≥0,1
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	35,8 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	5,5 kW
Rated speed $n$	2860 1/min
Rated current $I_N$	12,5 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	35,8 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.16-19-B/XI4-50-3-400
Article number	<b>6083510</b> 



Similar to figure

## Data sheet

### Hydraulic data

Minimum efficiency index (MEI)	≥0,1
Maximum operating pressure $P_N$	18 bar
Max. sand content	50 g/m <sup>3</sup>
Max. immersion depth	200 m
Min. fluid temperature $T_{\min}$	3 °C
Max. fluid temperature $T_{\max}$	30 °C

### Motor data

Energy efficiency index (EEI) *	≤0,10
Mains connection	3~400 V, 50 Hz
Rated power $P_2$	7,5 kW
Rated speed $n$	2850 1/min
Rated current $I_N$	16,9 A
Starting current $I$	94,8 A
Activation type	Direct On Line (DOL)
Power factor $\cos \varphi_{100}$	0,81
Max. switching frequency $t$	40 1/h
Protection class motor	IP68
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

\* The benchmark for the most efficient circulators is EEI ≤ 0.20

### Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

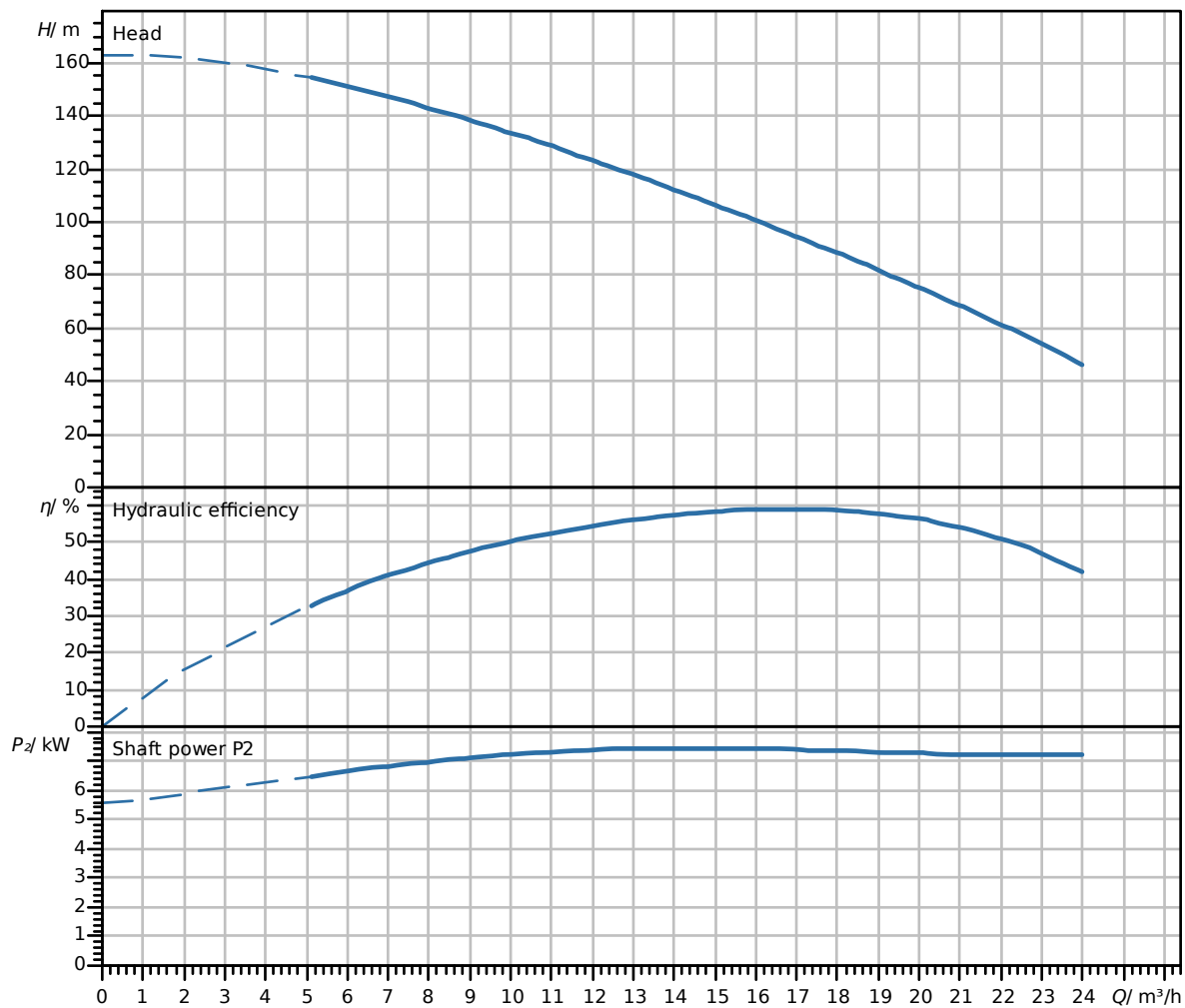
### Materials

Pump housing	Stainless steel
Impeller	PPE
Shaft	Stainless steel
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the discharge side $DNd$	Rp 2
---------------------------------------------	------

Pump curves



## Tender text

Fully submersible, multistage pump with radial or semi-axial impellers with a shroud design for vertical or horizontal installation, with built-in non-return valve. Corrosion-resistant single-phase or three-phase AC motor for direct starting with oil filling, equipped with a sand guard and mechanical seal, as well as self-lubricating bearings. The motor is cooled by the fluid. Therefore, the unit must always be immersed when operated. A cooling shroud is required for horizontal installation. For pumping water out of boreholes with a maximum immersion depth of 200 m and a maximum sand content of 50 g/m<sup>3</sup>.

## Operating Data

Max. delivery head $H_{max}$	154,2 m
------------------------------	---------

## Unit

Minimum efficiency index (MEI)	≥0,1
Pipe connection on the discharge side $DNd$	Rp 2
Maximum operating pressure $p$	40,0 bar
Max. sand content	50 g/m <sup>3</sup>
Protection class motor	IP68
Max. immersion depth	200 m
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	30 °C
Net weight, approx. $m$	47 kg
Max. diameter $D_{max}$	98 mm

## Motor data

Mains connection	3-400 V, 50 Hz
Rated power $P_2$	7,5 kW
Rated speed $n$	2850 1/min
Rated current $I_N$	16,9 A
Activation type	Direct On Line (DOL)
Max. switching frequency $t$	40 1/h
Motor diameter $DM$	102 mm
Min. flow rate at the motor $m/s$	0,2 m/s

## Scope of delivery

- > Hydraulics + motor completely assembled
- > 2/2.5 m submersible short cable fitted
- > Installation and user manual

## Notice

The single-phase version requires a switchbox with a condenser, thermal motor protection and on/off switch (optional accessories).


## Cable

Connection cable length $L$	2,5 m
Cable cross-section	4G2,5 mm <sup>2</sup>

## Materials

Pump housing	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Impeller	PPE

## Ordering information

Net weight, approx. $m$	47 kg
Brand	Wilo
Product description	Actun FIRST SPU 4.16-27-B/XI4-50-3-400
Article number	<b>6083843</b> 

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**wilo**

WILO SE  
Wilopark 1  
44263 Dortmund  
Germany  
T +49 231 4102-0  
F +49 231 4102-7363  
wilo@wilo.com  
www.wilo.com

More contact details at [www.wilo.com](http://www.wilo.com)