

### po-Söffel D-E.1

#### Fields of application:

The drainage pump **po-Söffel D-E.1** is a submersible centrifugal pump for delivery of clean or dirty water with solid admixtures up to a particle size of 5 mm.

#### Technical data:

Delivery rate range	18 - 0 m <sup>3</sup> /h
Delivery head range	2 - 10 m
Medium temperature	max. 35 °C
Immersion depth	max. 10 m
Density	1100 kg/m <sup>3</sup>
pH-value	4-8
Current type	Single-phase AC with capacitor
Nominal voltage	230 V 1~, 50 Hz
Nominal current	4.4 A
Motor nominal power	0.75 kW
Nominal speed	2800 1/min
Weight	8.6 kg
Degree of protection	DIN IP68
Thread connection	R 1 1/2" internal thread

#### Material specification:

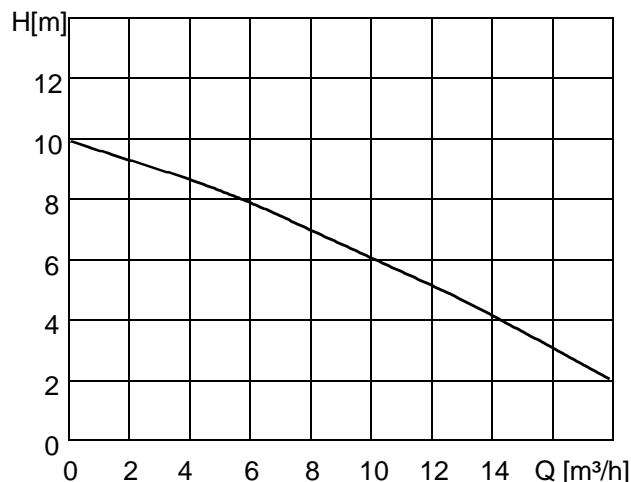
Casing	Stainless steel	1.4301
Impeller	Stainless steel	1.4301
Shaft	Stainless steel	1.4301
Inlet strainer	Stainless steel	1.4301
Shaft sealing	Dual mechanical seal	

#### Electrical connection and accessories:

- 10 m rubber-jacket cable with phase reversing connector plug
- pipe bend 90°
- on request hose connection, coupling D or coupling C

special design on request

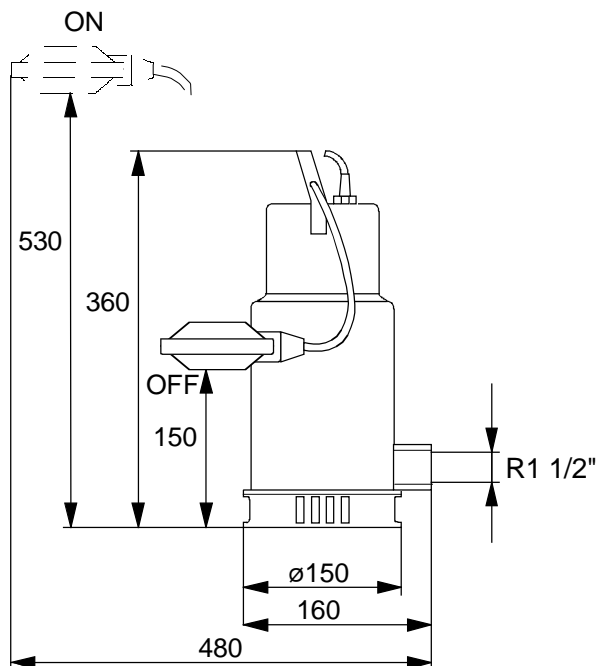
#### Characteristic curve:



#### Delivery data:

Q [m <sup>3</sup> /h]	0	3	5.5	7.5	10	12	14.1	18
Q [l/s]	0	0.8	1.5	2.1	2.8	3.3	3.9	5
H [m]	10	9	8	7	6	5	4	2

#### Main dimensions:



Subject to alterations

### po-Söffel D-E.2

#### Fields of application:

The drainage pump **po-Söffel D-E.2** is a submersible centrifugal pump for delivery of clean or dirty water with solid admixtures up to a particle size of 10 mm.

#### Technical data:

Delivery rate range	17 - 0 m <sup>3</sup> /h
Delivery head range	0 - 13 m
Medium temperature	max. 50 °C
Immersion depth	max. 10 m
Density	1100 kg/m <sup>3</sup>
pH-value	4-8
Current type	Single-phase AC with capacitor three-phase AC
Nominal voltage	230 V 1~ / 400 V 3~ , 50 Hz
Nominal current	4.9 A / 2.0 A
Motor nominal power	0.75 kW
Nominal speed	2800 1/min
Weight	12 kg
Degree of protection	DIN IP68
Thread connection	R 1 1/2" internal thread

#### Material specification:

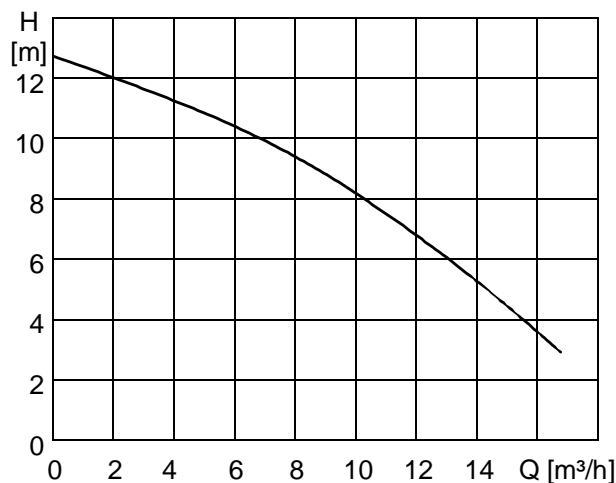
Casing	Stainless steel	1.4301
Impeller	Stainless steel	1.4301
Shaft	Stainless steel	1.4305
Inlet strainer	Stainless steel	1.4301
Shaft sealing	Dual mechanical seal	

#### Electrical connection and accessories:

- 10 m rubber-jacket cable with phase reversing connector plug
- pipe bend 90°
- on request hose connection, coupling D or coupling C

special design on request

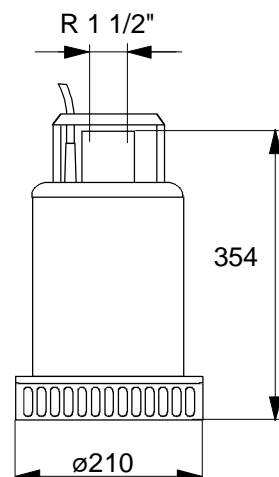
#### Characteristic curve:



#### Delivery data:

Q [m <sup>3</sup> /h]	0	2.4	4.8	7.2	9.6	12	14.4	16.8
Q [l/s]	0	0.7	1.3	2	2.7	3.3	4	4.7
H [m]	12.8	12	11	10	8.5	7	5	3

#### Main dimensions:



Subject to alterations

### po-Söffel D-E.5

#### Fields of application:

The drainage pump **po-Söffel D-E.5** is a submersible centrifugal pump for delivery of clean or dirty water with solid admixtures up to a particle size of 10 mm.

#### Technical data:

Delivery rate range	21 - 0 m <sup>3</sup> /h
Delivery head range	0 - 20 m
Medium temperature	max. 35 °C
Immersion depth	max. 10 m
Density	1100 kg/m <sup>3</sup>
pH-value	4-8
Current type	three-phase AC

Nominal voltage	400 V 3~, 50 Hz
Nominal current	4 A
Motor nominal power	1.5 kW
Nominal speed	2800 1/min

Weight	13.5 kg
Degree of protection	DIN IP68
Thread connection	R 1 1/2" internal thread

#### Material specification:

Casing	Stainless steel	1.4301
Impeller	Stainless steel	1.4301
Shaft	Stainless steel	1.4305
Inlet strainer	Stainless steel	1.4301
Shaft sealing	Dual mechanical seal	

#### Electrical connection and accessories:

- 10 m rubber-jacket cable with phase reversing connector plug
- pipe bend 90°
- on request hose connection, coupling D or coupling C

special design on request

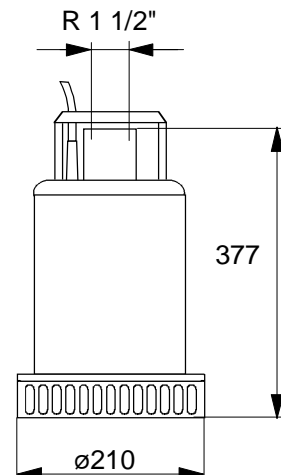
#### Characteristic curve:



#### Delivery data:

Q [m <sup>3</sup> /h]	0	3	6	9	12	15	18	24
Q [l/s]	0	0.8	1.7	2.5	3.3	4.2	5	6.7
H [m]	20	19	18.5	16	14.5	13	10	4.5

#### Main dimensions:



Subject to alterations

### po-Söffel A

#### Fields of application:

The waste water pump **po-Söffel A** is a submersible centrifugal pump for delivery of clean or dirty water with solid admixtures up to a particle size of 7 mm.

#### Technical data:

Delivery rate range	170 - 0 m <sup>3</sup> /h
Delivery head range	0 - 37 m
Medium temperature	max. 40 °C, for a short time 60 °C
Immersion depth	max. 20 m
Density	1100 kg/m <sup>3</sup>
pH-value	4-8
Current type	three-phase-AC
Nominal voltage	400V / 500V / 690V 3~, 50 Hz
Nominal current	19A / 14A / 11A
Motor nominal power	7.5 kW
Nominal speed	2850 1/min

Weight	87 kg without cable
Degree of protection	DIN IP68
Thread connection	R 4 ½" external thread R 3", R 4", R 6" BSP 2 ½", BSP 3", BSP 4", BSP 6" NPT 3", NPT 4", NPT 6"
Coupling	Storz A, Storz B, Storz F
Hose connection	ø110 mm

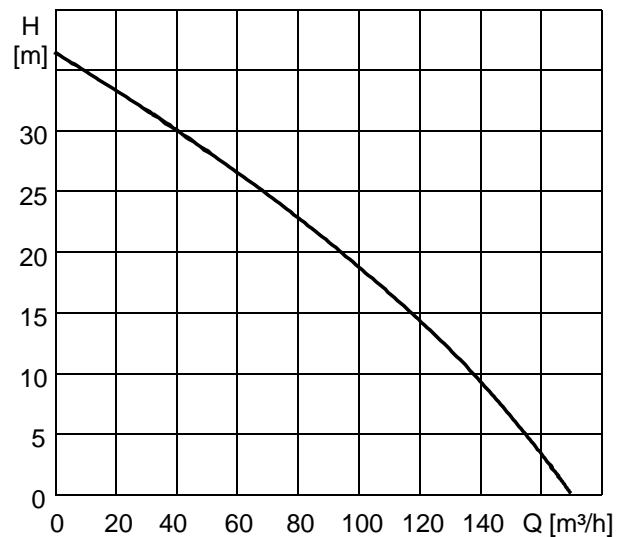
#### Material specification:

Casing	Aluminium alloy	3.2381
Impeller	Stainless steel	1.4027
Diffuser	Stainless steel	1.4027
Shaft	Stainless steel	1.4313
Suction bracket	Rubber	NBR
Inlet strainer	Aluminium alloy	3.2381
Shaft sealing	Dual mechanical seal	

#### Electrical connection:

- 20 m rubber-jacket cable with phase reversing connector plug
- alternatively with motor protection connector plug or with motor protection connector plug and float switch

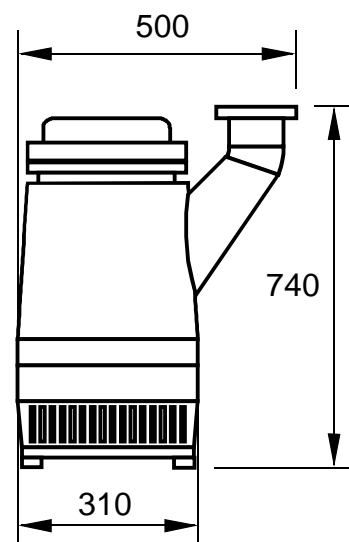
#### Characteristic curve:



#### Delivery data:

Q [m <sup>3</sup> /h]	0	40	67	95	115	136	155	170
Q [l/s]	0	11	19	26	32	38	43	47
H [m]	37	30	25	20	15	10	5	0

#### Main dimensions:



special design on request

Subject to alterations

### po-Söffel A-H

#### Fields of application:

The drainage pump **po-Söffel A-H** is a submersible centrifugal pump for delivery of clean or dirty water with solid admixtures up to a particle size of 7 mm.

#### Technical data:

Delivery rate range	120 - 0 m <sup>3</sup> /h
Delivery head range	0 - 60 m
Medium temperature	max. 40 °C
Immersion depth	max. 20 m
Density	1100 kg/m <sup>3</sup>
pH-value	4-8
Current type	three-phase-AC
Nominal voltage	400V / 500V 3~, 50 Hz
Nominal current	28A / 23A
Motor nominal power	9 kW
Nominal speed	2830 1/min

Weight	87 kg without cable
Degree of protection	DIN IP68
Thread connection	R 4 ½" external thread R 3", R 4", R 6" BSP 2 ½", BSP 3", BSP 4", BSP 6" NPT 3", NPT 4", NPT 6"
Coupling	Storz A, Storz B, Storz F
Hose connection	ø110 mm

#### Material specification:

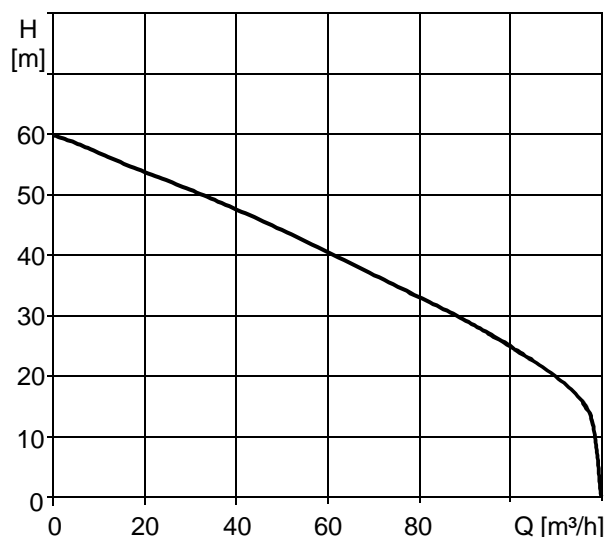
Casing	Aluminium alloy	3.2381
Impeller	Stainless steel	1.4027
Diffuser	Stainless steel	1.4027
Shaft	Stainless steel	1.4313
Suction bracket	Rubber	NBR
Inlet strainer	Aluminium alloy	3.2381
Shaft sealing	Dual mechanical seal	

#### Electrical connection:

- 20 m rubber-jacket cable with phase reversing connector plug
- alternatively with motor protection connector plug or with motor protection connector plug and float switch

special design on request

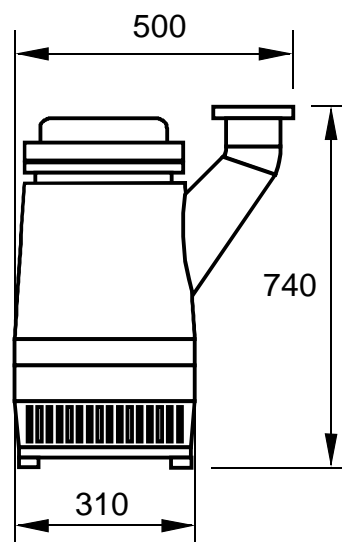
#### Characteristic curve:



#### Delivery data:

Q [m³/h]	0	20	40	60	80	100	110	120
Q [l/s]	0	5.6	11,1	16.7	22.2	27.8	30.6	33.3
H [m]	60	53	47	40	33	26	21	0

#### Main dimensions:



Subject to alterations

### po-Söffel 0

#### Fields of application:

The waste water pump **po-Söffel 0** is a submersible centrifugal pump for delivery of clean or dirty water with solid admixtures up to a particle size of 7 mm.

#### Technical data:

Delivery rate range	450 - 0 m <sup>3</sup> /h
Delivery head range	0 - 24 m
Medium temperature	max. 40 °C, for a short time 60 °C
Immersion depth	max. 20 m
Density	1100 kg/m <sup>3</sup>
pH-value	4-8
Current type	three-phase-AC
Nominal voltage	400 V / 690 V / 500 V 3~ 50 Hz
Nominal current	30 A / 17 A / 25 A
Motor nominal power	15 kW
Nominal speed	1460 1/min
Weight	190 kg without cable
Degree of protection	DIN IP68
Thread connection	R 6" external thread R 4", R 8" BSP 4", BSP 6", BSP 8", NPT 4", NPT 6", NPT 8"
Coupling	Storz A, Storz F
Hose connection	ø150 mm

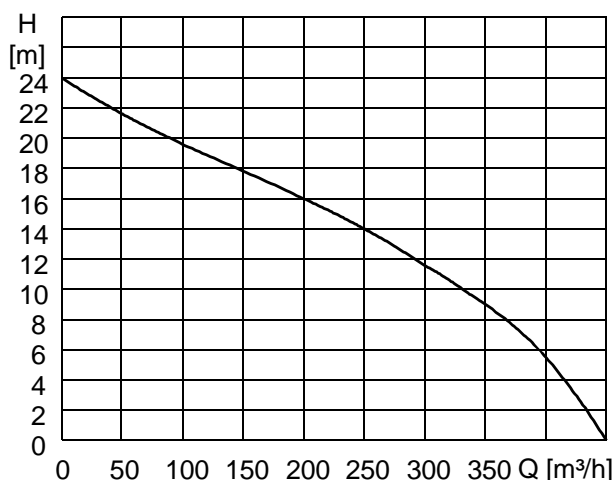
#### Material specification:

Casing	Aluminium alloy	3.2381
Impeller	Stainless steel	1.4027
Diffuser	Stainless steel	1.4027
Shaft	Stainless steel	1.4313
Suction bracket	Rubber	NBR
Inlet strainer	Aluminium alloy	3.2381
Shaft sealing	Dual mechanical seal	

#### Electrical connection:

- 20 m rubber-jacket cable
- alternatively with motor protection connector plug or with motor protection connector plug and float switch

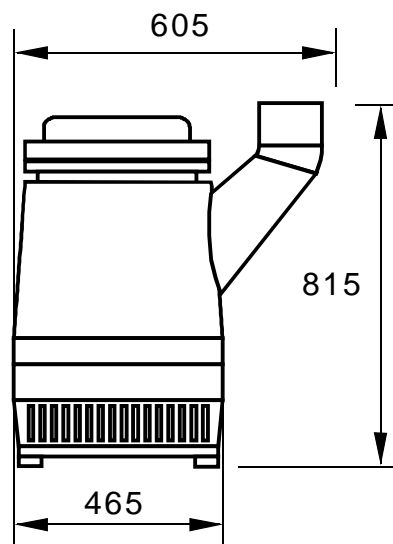
#### Characteristic curve:



#### Delivery data:

Q [m <sup>3</sup> /h]	0	146	235	290	347	395	432	450
Q [l/s]	0	41	65	81	96	110	120	125
H [m]	24	18	15	12	9	6	3	0

#### Main dimensions:



special design on request

Subject to alterations

### po-Söffel 0-H

#### Fields of application:

The waste water pump **po-Söffel 0-H** is a submersible centrifugal pump for delivery of clean or dirty water with solid admixtures up to a particle size of 7 mm.

#### Technical data:

Delivery rate range	130 - 0 m <sup>3</sup> /h
Delivery head range	0 - 82 m
Medium temperature	max. 40 °C
Immersion depth	max. 15 m
Density	1100 kg/m <sup>3</sup>
pH-value	4-8
Current type	three-phase-AC
Nominal voltage	400 V / 690 V, 3~ , 50 Hz
Nominal current	51 A / 42 A
Motor nominal power	26 kW
Nominal speed	2850 1/min

Weight	239 kg without cable
Degree of protection	DIN IP68
Thread connection	R 6" external thread BSP 6" NPT 6"
Coupling	Storz A
Hose connection	ø150 mm

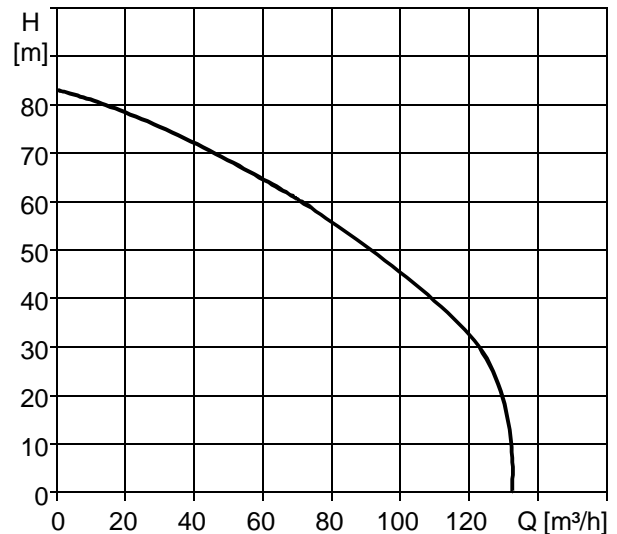
#### Material specification:

Casing	Aluminium alloy	3.2381
Impeller	Stainless steel	
Diffuser	Rubber	NBR
Shaft	Stainless steel	
Inlet strainer	Stainless steel	
Shaft sealing	Dual mechanical seal	

#### Electrical connection:

- 15 m rubber-jacket cable
- alternatively with motor protection connector plug or with motor protection connector plug and float switch

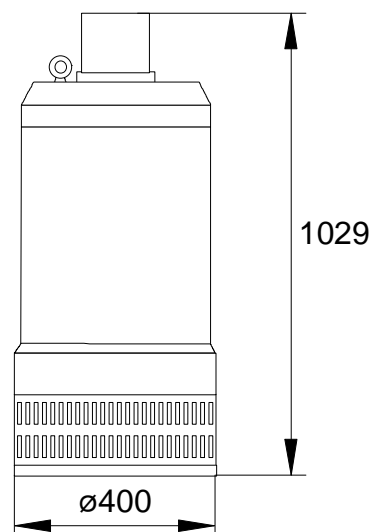
#### Characteristic curve:



#### Delivery data:

Q [m <sup>3</sup> /h]	0	24	48	72	96	120	130
Q [l/s]	0	7	13	20	27	33	36
H [m]	82	75	65	54	44	35	0

#### Main dimensions:



special design on request

Subject to alterations