



ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.



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Axiom Water companies

Series description: Wilo-Drain TP 80/TP 100



Design

Submersible sewage pump for industrial applications

Application

Pumping of wastewater and drainage water as well as sewage containing faeces, municipal and industrial sewage for:

- Domestic and site drainage
- Sewage and water management
- Environmental and water treatment technology
- Industrial and process engineering

Type key

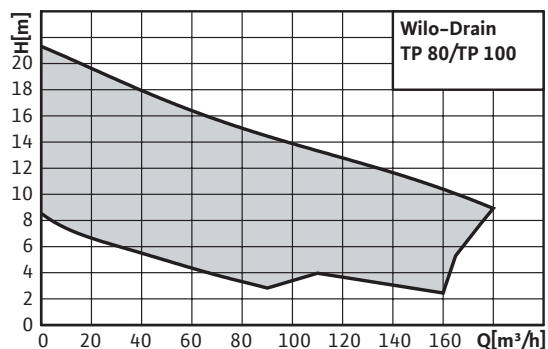
E.g.	WiloDrain TP 80 E 160/17
TP	Tauchmotorpumpe (submersible pump)
80	Nominal diameter [mm]
E	Einkanallauftrad (single-channel impeller)
160	Nominal diameter of impeller [mm]
17	Power P_2 [kW] (= value/10 = 1.7 kW)

Special features/product advantages

- Operation in stationary wet well and dry well installation as well as portable wet well installation
- Submersible
- ATEX approval as standard
- Low weight
- Detachable connection cable
- Longitudinally watertight cable inlet
- Standard-equipped with clogging-free sheath current cooling
- Corrosion-resistant (e.g. swimming-pool water, salt water, etc.)
- Low-wearing
- Patented clogging-free hydraulics
- Easy installation due to suspension unit or pump base

Technical data

- Mains connection: 3~400 V, 50 Hz
- Immersed and non-immersed operating modes: S1
- Protection class: IP 68
- Insulation class: F
- Max. fluid temperature: 3 40°C
- Free ball passage: 80 or 95 mm
- Max. immersion depth: 20 m



Equipment/function

- Thermal motor monitoring
- Leakage detection in the motor
- ATEX-certified
- Sheath current cooling

Description/design

Submersible sewage pump as submersible monobloc unit for stationary wet well and dry well installation as well as portable wet well installation.

Hydraulics
The outlet on the pressure side is designed as DN 80 or DN 100 horizontal flange connection. Single-channel impellers are used as the impeller shape.

Motor
Dry motors are equipped with clogging-free sheath current cooling as standard. This ensures that heat is given off directly to the fluid. As a result, these units can be operated in immersed and non-immersed state for permanent or intermittent operation. In addition, the motor is equipped with a leakage detection unit and a thermal motor monitoring unit. A sealing chamber protects the motor from fluid ingress. The filling fluid used is potentially biodegradable and environmentally safe.

The cable inlet is longitudinally watertight, the standard cable length is 10 m.

Sealing

Sealing on the fluid side and on the pump side is achieved by two bidirectional mechanical seals.

Materials

- Pump housing: PUR
- Impeller: PUR
- Shaft: stainless steel 1.4404
- Mechanical seal on pump side: SiC/SiC
- Mechanical seal on motor side: C/Cr
- Static gasket: NBR
- Motor housing: stainless steel 1.4404

Scope of delivery

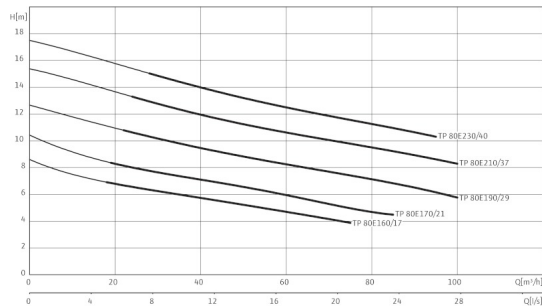
- Pump ready for connection with 10 m connection cable (bare cable end)
- Installation and operating instructions

Accessories

- Suspension unit
- Chain
- Non-return valve and gate valve
- Various pressure outlets and hoses
- Switchgears and relays

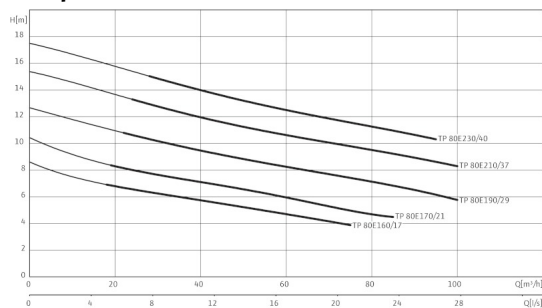
Data sheet: Wilo-Drain TP 80E160/17

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	9.0 m
Max. volume flow	Q_{max}	75 m³/h
Optimal delivery head	H_{opt}	4.0 m
Optimum volume flow	Q_{opt}	66 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	42 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	6.40 A
Nominal motor power	P_2	1.70 kW
Power consumption	P_1	2 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 80E160/17

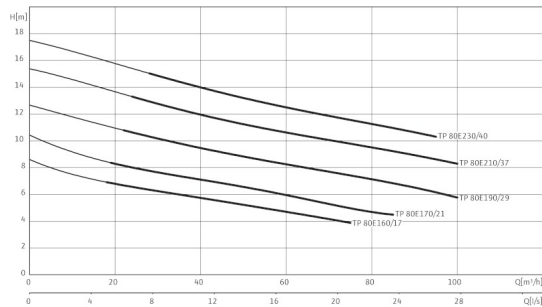
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6043950
EAN number	4044966459430
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

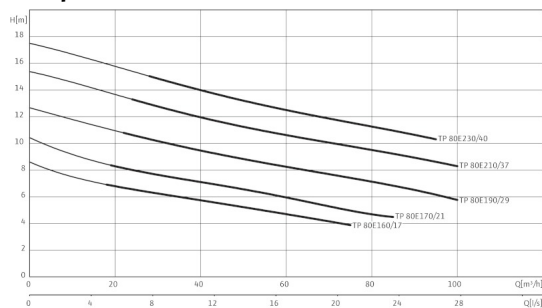
Data sheet: Wilo-Drain TP 80E170/21

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	10.0 m
Max. volume flow	Q_{max}	85 m³/h
Optimal delivery head	H_{opt}	6.0 m
Optimum volume flow	Q_{opt}	65 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	42 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	6.70 A
Nominal motor power	P_2	2.10 kW
Power consumption	P_1	2.50 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 80E170/21

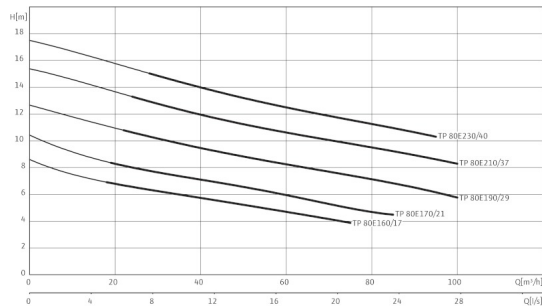
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6043957
EAN number	4044966460016
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

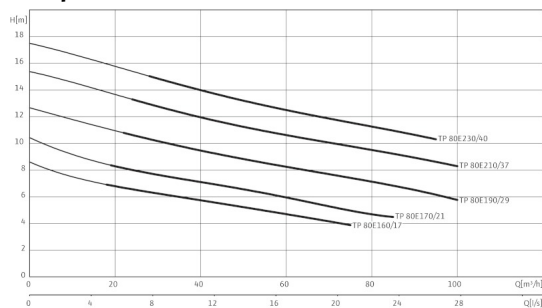
Data sheet: Wilo-Drain TP 80E190/29

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	13.0 m
Max. volume flow	Q_{max}	100 m³/h
Optimal delivery head	H_{opt}	7.0 m
Optimum volume flow	Q_{opt}	80 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	42 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.30 A
Nominal motor power	P_2	2.90 kW
Power consumption	P_1	3.30 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 80E190/29

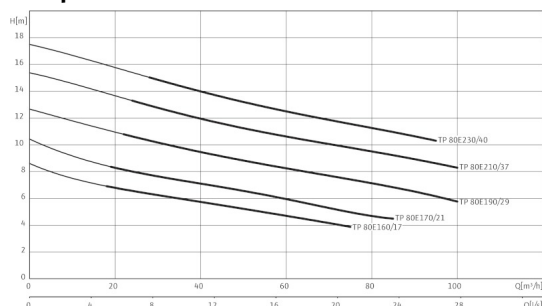
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6043963
EAN number	4044966460061
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

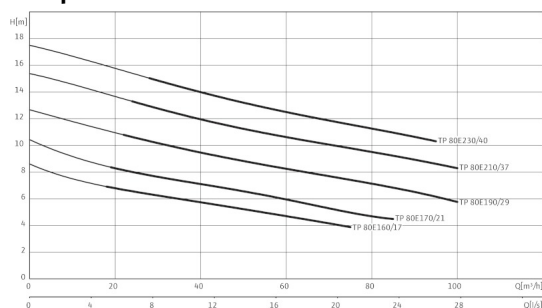
Data sheet: Wilo-Drain TP 80E210/37

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	15.0 m
Max. volume flow	Q_{max}	100 m³/h
Optimal delivery head	H_{opt}	9.0 m
Optimum volume flow	Q_{opt}	93 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	42 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	8.50 A
Nominal motor power	P_2	3.70 kW
Power consumption	P_1	4.50 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 80E210/37

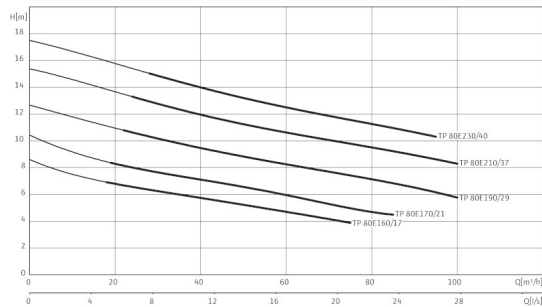
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6043971
EAN number	4044966460399
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

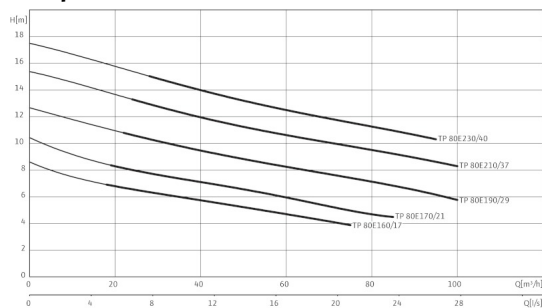
Data sheet: Wilo-Drain TP 80E230/40

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Pump curves Wilo-Drain TP 80 – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	17.0 m
Max. volume flow	Q_{max}	95 m³/h
Optimal delivery head	H_{opt}	11.0 m
Optimum volume flow	Q_{opt}	91 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	42 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.50 A
Nominal motor power	P_2	4 kW
Power consumption	P_1	5.10 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 80E230/40

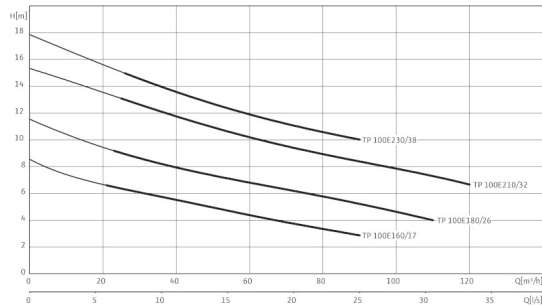
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6043983
EAN number	4044966460610
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E160/17

Pump curves Wilo-Drain TP 100 with nominal motor power up to 3.8 kW – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	8.0 m
Max. volume flow	Q_{max}	90 m ³ /h
Optimal delivery head	H_{opt}	4.0 m
Optimum volume flow	Q_{opt}	67 m ³ /h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	43 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	6.60 A
Nominal motor power	P_2	1.70 kW
Power consumption	P_1	2.10 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm ²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E160/17

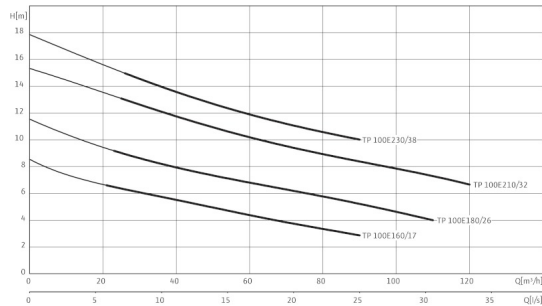
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6044004
EAN number	4044966457993
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E180/26

Pump curves Wilo-Drain TP 100 with nominal motor power up to 3.8 kW – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	11.0 m
Max. volume flow	Q_{max}	110 m³/h
Optimal delivery head	H_{opt}	6.0 m
Optimum volume flow	Q_{opt}	73 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	43 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.50 A
Nominal motor power	P_2	2.60 kW
Power consumption	P_1	3.40 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E180/26

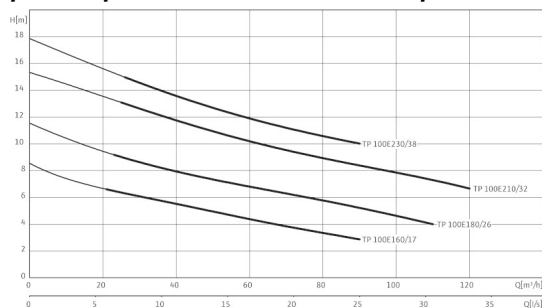
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6044010
EAN number	4044966460955
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E210/32

Pump curves Wilo-Drain TP 100 with nominal motor power up to 3.8 kW – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	15.0 m
Max. volume flow	Q_{max}	120 m³/h
Optimal delivery head	H_{opt}	9.0 m
Optimum volume flow	Q_{opt}	92 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	43 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9 A
Nominal motor power	P_2	3.20 kW
Power consumption	P_1	4.80 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E210/32

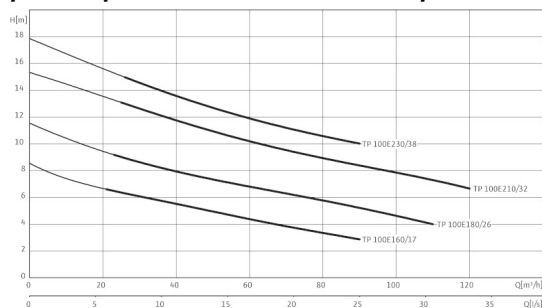
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6044014
EAN number	4044966460993
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E230/38

Pump curves Wilo-Drain TP 100 with nominal motor power up to 3.8 kW – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	18.0 m
Max. volume flow	Q_{max}	90 m³/h
Optimal delivery head	H_{opt}	10.0 m
Optimum volume flow	Q_{opt}	85 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	43 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.50 A
Nominal motor power	P_2	3.80 kW
Power consumption	P_1	5.20 kW
Activation type		Direct
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E230/38

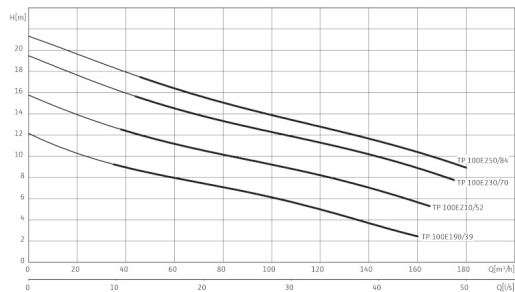
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	6044018
EAN number	4044966461037
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E190/39

Pump curves Wilo-Drain TP 100 with nominal motor power 3.9 kW and higher – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	12.0 m
Max. volume flow	Q_{max}	160 m³/h
Optimal delivery head	H_{opt}	6.0 m
Optimum volume flow	Q_{opt}	96 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	60 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	12.50 A
Nominal motor power	P_2	3.90 kW
Power consumption	P_1	5 kW
Activation type		Star-delta
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		10x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E190/39

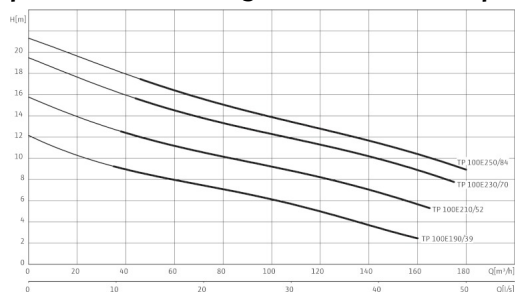
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	2008469
EAN number	4016322293163
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E210/52

Pump curves Wilo-Drain TP 100 with nominal motor power 3.9 kW and higher – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	16.0 m
Max. volume flow	Q_{max}	165 m³/h
Optimal delivery head	H_{opt}	9.0 m
Optimum volume flow	Q_{opt}	112 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	60 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	14.10 A
Nominal motor power	P_2	5.20 kW
Power consumption	P_1	6.70 kW
Activation type		Star-delta
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		10x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E210/52

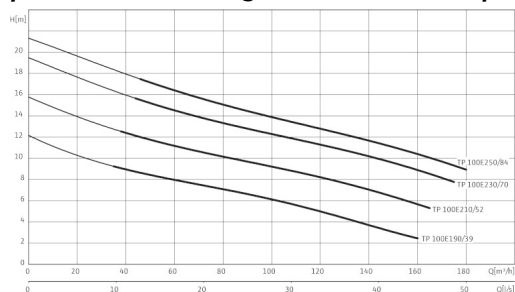
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	2003559
EAN number	4016322283218
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E230/70

Pump curves Wilo-Drain TP 100 with nominal motor power 3.9 kW and higher – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	19.0 m
Max. volume flow	Q_{max}	175 m³/h
Optimal delivery head	H_{opt}	11.0 m
Optimum volume flow	Q_{opt}	124 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	60 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	16.70 A
Nominal motor power	P_2	7 kW
Power consumption	P_1	8.80 kW
Activation type		Star-delta
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		10x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E230/70

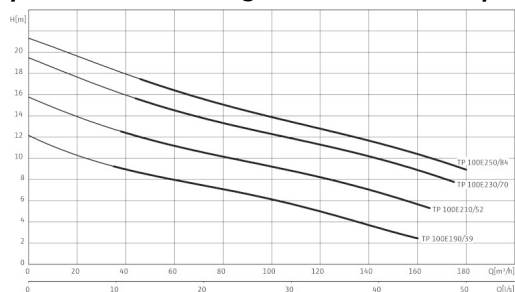
Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	2003561
EAN number	4016322283225
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6

Data sheet: Wilo-Drain TP 100E250/84

Pump curves Wilo-Drain TP 100 with nominal motor power 3.9 kW and higher – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	21.0 m
Max. volume flow	Q_{max}	180 m³/h
Optimal delivery head	H_{opt}	12.0 m
Optimum volume flow	Q_{opt}	128 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		95 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	60 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	18.80 A
Nominal motor power	P_2	8.40 kW
Power consumption	P_1	10.60 kW
Activation type		Star-delta
Nominal speed	n	1450 rpm
No. of poles		4
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		60 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		10x1,5 mm²
Type of connecting cable		Detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials



Data sheet: Wilo-Drain TP 100E250/84

Static seal	NBR
Impeller	PUR
Sealing on motor side	C/Cr
Mechanical seal	SiC/SiC
Motor housing	1.4404
Pump housing	PUR
Pump shaft	1.4404

Information for order placements

Make	Wilo
Art no.	2003563
EAN number	4016322278580
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W6