



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 TS 40–65

Wilo-Drain TS 40



Wilo-Drain TS 50–65



Design

Submersible drainage pump

Type key

Example:	Wilo-Drain TS 50 H 111/11-A
TS	Submersible pump for wastewater
50	Connection: 50 (= Rp 2); 65 (= Rp 2 ½)
H	Impeller shape: H = half-open impeller
111	Nominal diameter of the impeller in mm
11	Power P_2 in kW (=value/10 = 1.1 kW)
A	Version: A = with float switch and connecting cable with shockproof plug (1~230 V/50 Hz) or CEE plug (3~400 V/50 Hz) CEE = without float switch with CEE plug without = without float switch with bare cable end

Additional type key:

Example:	Wilo-Drain TS 40/10-A
TS	Submersible pump for wastewater
40	Connection: 40 (Rp 1 ½)
10	Max. delivery head in m
A	Version: A = with float switch and connecting cable with shockproof plug (1~230 V/50 Hz) or CEE plug (3~400 V/50 Hz) CEE = without float switch with CEE plug without = without float switch with bare cable end

Application

For pumping wastewater with foreign matter of max. Ø 10 mm for

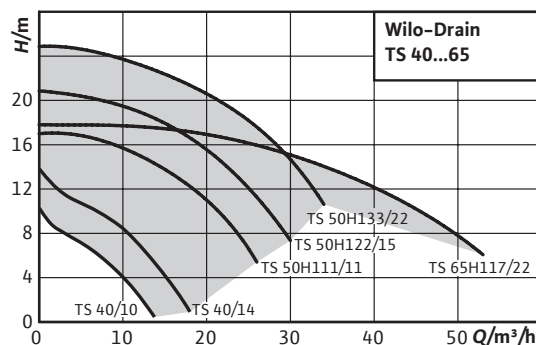
- Domestic and site drainage
- Environmental and wastewater treatment technology
- Industrial and process engineering

Special features/product advantages

- Low weight
- Wide performance range
- Oil barrier chamber
- Attached float switch and plug (A-model) enable easy operation

Technical data

- Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Protection class: IP 68
- Max. immersion depth: TS 40 = 5 m; TS 50/TS 65 = 10 m
- Fluid temperature: 3 - 35 °C
- Cable length: 10 m
- Free ball passage: 10 mm
- Pressure port: TS 40 = Rp 1, TS 50 = Rp 1 ¼, TS 65 = Rp 2 ½



Equipment/function

- Ready-to-plug for 1~230 V and A and CEE model
- Thermal motor monitoring
- Explosion protection (TS 50/3~ and TS 65)
- Connection cable detachable
- Integrated non-return valve (TS 40)
- Hose connection (TS 40)

Description/design

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

Hydraulics

The output on the pressure side is configured as a vertical threaded connection Rp 1 ½ (TS 40), Rp 2 (TS 50) or Rp 2 ½ (TS 65). Semi-open channel impellers with free ball passage of 10 mm are used as the impeller.

Motor

Dry motors as single-phase or three-phase AC motors with thermal motor monitoring. On models TS 40 and TS 50 (1~ only) this monitoring is built-in and self-switching. The waste heat is given off directly to the surrounding fluid via the housing components. As a result, these units must always be immersed for permanent or intermittent operation.

A sealing chamber protects the motor from fluid ingress. The filling fluid used is potentially biodegradable and environmentally safe.

The cable is detachable, oil-resistant and has bare cable ends. The cable lengths are available in length increments of 10 m. The A model is equipped with a float switch and a shock-proof plug (1~230 V/50 Hz) or a CEE plug (3~400 V/50 Hz). The CEE model does not have a float switch and is equipped with a CEE plug.

Sealing

Sealing on the fluid side is done using a bidirectional mechanical seal. On the TS 40, sealing on the motor side is likewise done using a bidirectional mechanical seal. On the TS 50 and TS 65, sealing on the motor side is with a rotary shaft seal.

Materials

TS 40:

- Pump housing PP-GF30
- Impeller PP-GF30
- Shaft 1.4404
- Sealing on motor side: mechanical seal SiC/SiC
- Sealing on pump side: mechanical seal SiC/SiC
- Static seal: NBR
- Motor housing 1.4301

TS 50, 65:

- Pump housing: PUR
- Impeller: PP-GF30
- Shaft: 1.4404
- Sealing on motor side: NBR rotary shaft seal
- Sealing on pump side: mechanical seal SiC/SiC
- Static seal: NBR
- Motor housing 1.4301

Scope of delivery

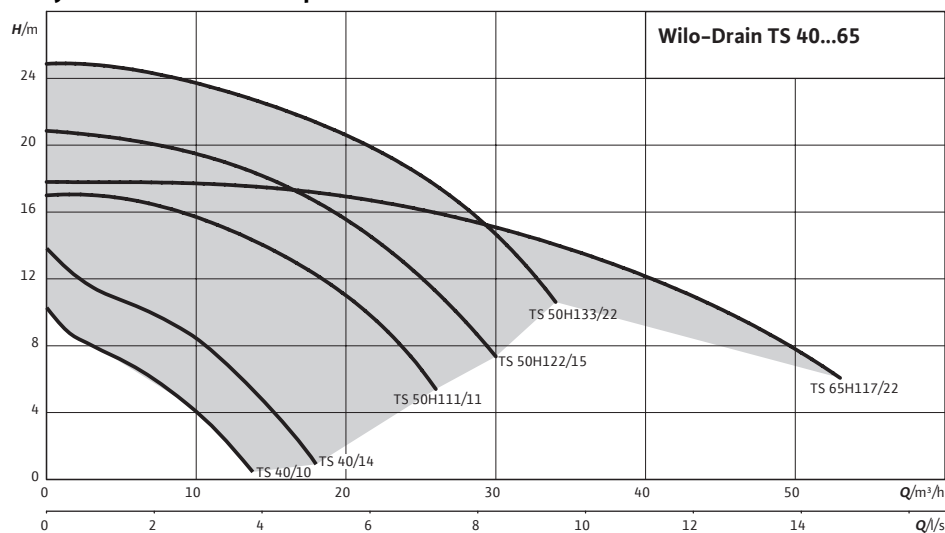
- Pump ready for connection with 10 m connection cable and bare cable end
- "A" model equipped with float switch and shock-proof plug (1~230 V/50 Hz) or CEE plug (3~400 V/50 Hz)
- "CEE" version equipped with CEE plug
- Hose connection (TS 40 only)

Series description: Wilo-Drain TS 40-65

- Installation and operating instructions

Duty chart: Wilo-Drain TS 40-65

Duty chart – 50 Hz No. of poles: 2



Equipment/function: Wilo-Drain TS 40-65

Design

Submersible	•
Non-self-priming	•
Open single-channel impeller	–
Vortex impeller	–
Open multi-channel impeller	•
Turbulator	–
Sealing chamber	•
Sealing by mechanical seal on motor side	•
Sealing by rotary shaft seal on motor side	–
Sealing by mechanical seal on fluid side	•
Seal for rotary shaft seal on fluid side	–
AC motor	•
Three-phase motor	•
Direct activation	•
Star-delta activation	–
FC operation	–
dry motor	•
Motor with oil cooling	–
Sheath current cooling	–

Application

Wet well installation, stationary	•
Wet well installation, portable	•
Dry well installation, portable	–
Dry well installation, stationary	–

Equipment/function

Explosion protection	–
Hose connection	•
Float switch	Version A
Non-return valve	•
Capacitor box for 1~230 V	–
Connecting cable detachable	•
Ready-to-plug	•

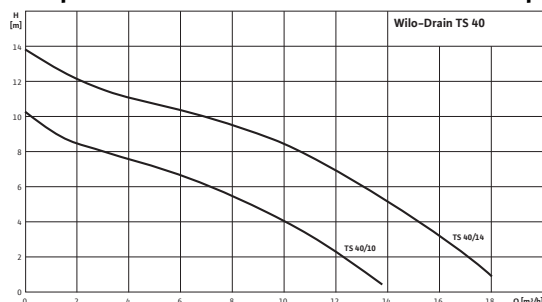
• = available or approved, – = not available or not approved

Product list: Wilo-Drain TS 40-65

Pump type	Mains connection	Float switch	Max. volume flow	Max. delivery head	Optimum volume flow	Optimal delivery head	Length of connecting cable	Mains plug	Explosion protection	Art no.
			$Q_{max}/m^3/h$	H_{max}/m	$Q_{opt}/m^3/h$	H_{opt}/m				
TS 40/10-A	1~230 V, 50 Hz	No float switch	14	10			10	Shock-proof	–	2063926
TS 40/10	1~230 V, 50 Hz	No float switch	14	10			10	Shock-proof	–	2063928
TS 40/10	3~400 V, 50 Hz	No float switch	14	10			10	no	–	2063927
TS 40/14-A	1~230 V, 50 Hz	No float switch	18	14			10	Shock-proof	–	2063929
TS 40/14	1~230 V, 50 Hz	No float switch	18	14			10	Shock-proof	–	2063931
TS 40/14	3~400 V, 50 Hz	No float switch	18	14			10	no	–	2063930
TS 50 H 111/11 CEE	3~400 V, 50 Hz	No float switch	26	17	16	13	10	CEE M 16 WDU	ATEX	6042447
TS 50 H 111/11-A	1~230 V, 50 Hz	No float switch	26	17	16	13	10	Shock-proof	–	4029477
TS 50 H 111/11-A	3~400 V, 50 Hz	No float switch	26	17	16	13	10	CEE M 16 WDSHA	–	4029553
TS 50 H 111/11	3~400 V, 50 Hz	No float switch	26	17	16	13	10	no	ATEX	4025036
TS 50 H 111/11	1~230 V, 50 Hz	No float switch	26	17	16	13	10	Shock-proof	–	4025037
TS 50 H 122/15 CEE	3~400 V, 50 Hz	No float switch	29	21	18	17	10	CEE M 16 WDU	ATEX	6042449
TS 50 H 122/15-A	3~400 V, 50 Hz	No float switch	29	21	18	17	10	CEE M 16 WDSHA	–	6042448
TS 50 H 122/15	3~400 V, 50 Hz	No float switch	29	21	18	17	10	no	ATEX	4025039
TS 50 H 133/22 CEE	3~400 V, 50 Hz	No float switch	35	25	22	20	10	CEE M 16 WDU	ATEX	6042450
TS 50 H 133/22-A	3~400 V, 50 Hz	No float switch	35	25	22	20	10	CEE M 16 WDSHA	–	6042451
TS 50 H 133/22	3~400 V, 50 Hz	No float switch	35	25	22	20	10	no	ATEX	4025042
TS 65 H 117/22 CEE	3~400 V, 50 Hz	No float switch	53	17	32	15	10	CEE M 16 WDU	ATEX	6042452
TS 65 H 117/22-A	3~400 V, 50 Hz	No float switch	53	17	32	15	10	CEE M 16 WDSHA	–	6042453
TS 65 H 117/22	3~400 V, 50 Hz	No float switch	53	17	32	15	10	no	ATEX	4025059

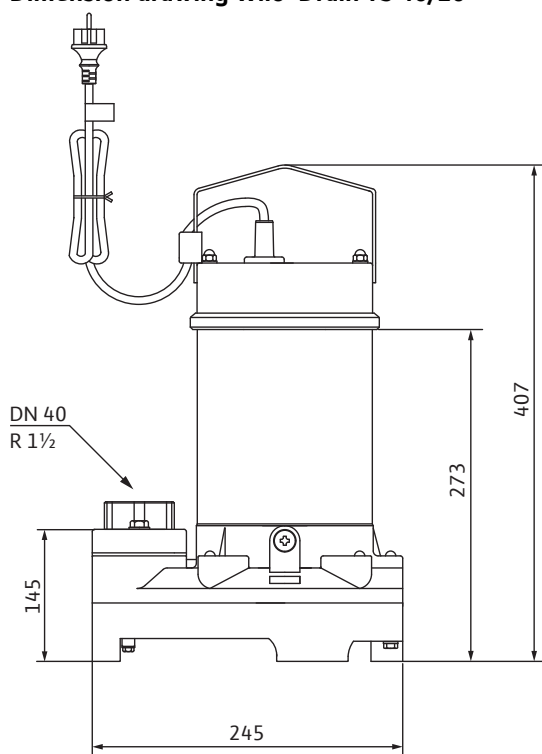
Data sheet: Wilo-Drain TS 40/10 (1~230 V)

Pump curves Wilo-Drain TS 40 – 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A.

Dimension drawing Wilo-Drain TS 40/10



Unit

Max. delivery head	H_{max}	10 m
Max. volume flow	Q_{max}	14 m³/h
Pressure connection		Rp 1½
Maximum operating pressure	p_{max}	2 bar
Free ball passage		10 mm
Operating mode (immersed)		S1, S3–25%
Operating mode (non-immersed)		–
Max. immersion depth		5 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	14 kg

Motor data

Mains connection		1~230 V, 50 Hz
Rated current	I_N	2.2 A
Nominal motor power	P_2	0.4 kW
Power consumption	P_1	0.48 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		B
Max. switching frequency		50 1/h

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		3G1 mm²
Type of connecting cable		Plug, detachable
Mains plug		Shock-proof

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

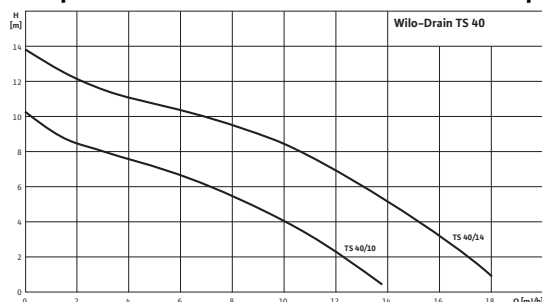
Static seal		NBR
Impeller		PP-GF30
Sealing on motor side		SiC/SiC
Mechanical seal		SiC/SiC

Data sheet: Wilo-Drain TS 40/10 (1~230 V)

Motor housing	1.4301
Pump housing	PP-GF30
Information for order placements	
Make	Wilo
Art no.	2063928
EAN number	4016322859871
Price group	PG7

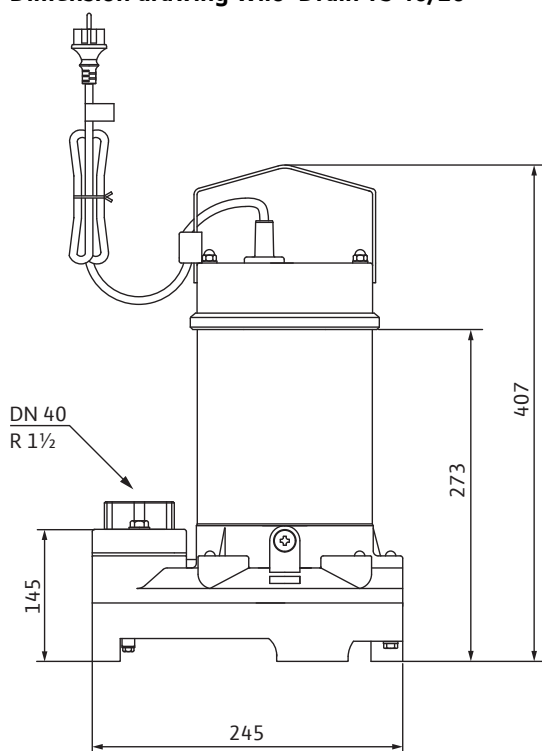
Data sheet: Wilo-Drain TS 40/10-A (1~230 V)

Pump curves Wilo-Drain TS 40 - 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A.

Dimension drawing Wilo-Drain TS 40/10



Unit

Max. delivery head	H_{max}	10 m
Max. volume flow	Q_{max}	14 m³/h
Pressure connection		Rp 1½
Maximum operating pressure	p_{max}	2 bar
Free ball passage		10 mm
Operating mode (immersed)		S1, S3-25%
Operating mode (non-immersed)		–
Max. immersion depth		5 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	14 kg

Motor data

Mains connection		1~230 V, 50 Hz
Rated current	I_N	2.2 A
Nominal motor power	P_2	0.4 kW
Power consumption	P_1	0.48 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		B
Max. switching frequency		50 1/h

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		3G1 mm²
Type of connecting cable		Plug, detachable
Mains plug		Shock-proof

Equipment/function

Float switch		•
Motor protection		WSK
Explosion protection		–

Materials

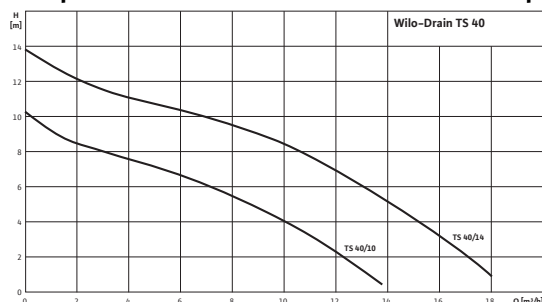
Static seal		NBR
Impeller		PP-GF30
Sealing on motor side		SiC/SiC
Mechanical seal		SiC/SiC

Data sheet: Wilo-Drain TS 40/10-A (1~230 V)

Motor housing	1.4301
Pump housing	PP-GF30
Information for order placements	
Make	Wilo
Art no.	2063926
EAN number	4016322859857
Price group	PG7

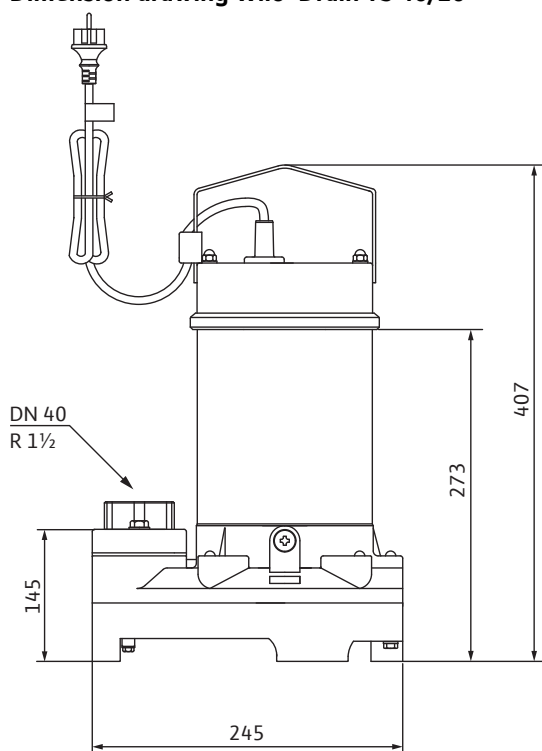
Data sheet: Wilo-Drain TS 40/10 (3~400 V)

Pump curves Wilo-Drain TS 40 – 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A.

Dimension drawing Wilo-Drain TS 40/10



Unit

Max. delivery head	H_{max}	10 m
Max. volume flow	Q_{max}	14 m³/h
Pressure connection		Rp 1½
Maximum operating pressure	p_{max}	2 bar
Free ball passage		10 mm
Operating mode (immersed)		S1, S3–25%
Operating mode (non-immersed)		–
Max. immersion depth		5 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	14 kg

Motor data

Mains connection		3~400 V, 50 Hz
Rated current	I_N	1.1 A
Nominal motor power	P_2	0.4 kW
Power consumption	P_1	0.55 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		B
Max. switching frequency		50 1/h

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		4G1 mm²
Type of connecting cable		Plug, detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

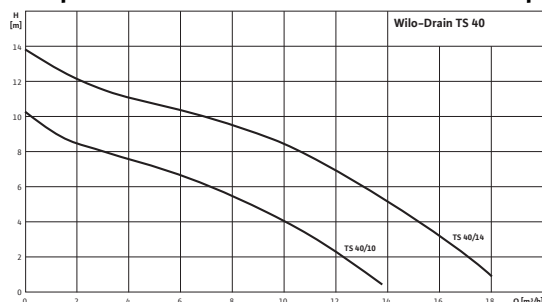
Static seal		NBR
Impeller		PP-GF30
Sealing on motor side		SiC/SiC
Mechanical seal		SiC/SiC

Data sheet: Wilo-Drain TS 40/10 (3~400 V)

Motor housing	1.4301
Pump housing	PP-GF30
Information for order placements	
Make	Wilo
Art no.	2063927
EAN number	4016322859864
Price group	PG7

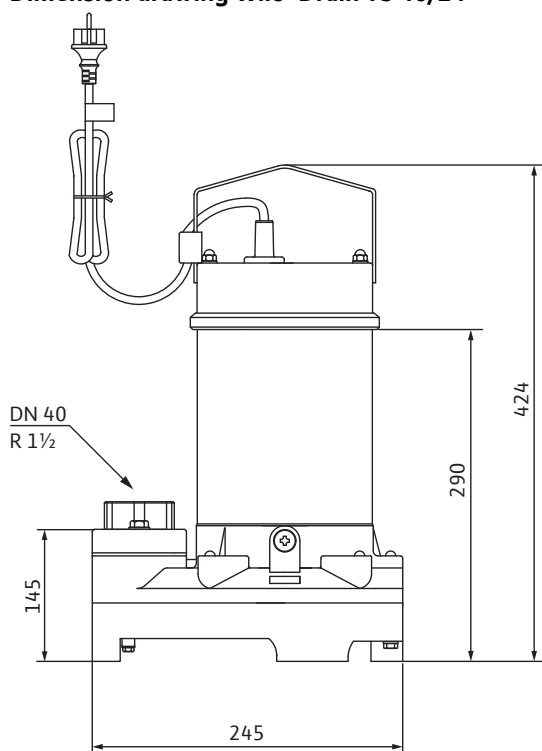
Data sheet: Wilo-Drain TS 40/14 (1~230 V)

Pump curves Wilo-Drain TS 40 – 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A.

Dimension drawing Wilo-Drain TS 40/14



Unit

Max. delivery head	H_{max}	14 m
Max. volume flow	Q_{max}	18 m³/h
Pressure connection		Rp 1½
Maximum operating pressure	p_{max}	2 bar
Free ball passage		10 mm
Operating mode (immersed)		S1, S3–25%
Operating mode (non-immersed)		–
Max. immersion depth		5 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	16 kg

Motor data

Mains connection		1~230 V, 50 Hz
Rated current	I_N	4.4 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.0 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		B
Max. switching frequency		50 1/h

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		3G1 mm²
Type of connecting cable		Plug, detachable
Mains plug		Shock-proof

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

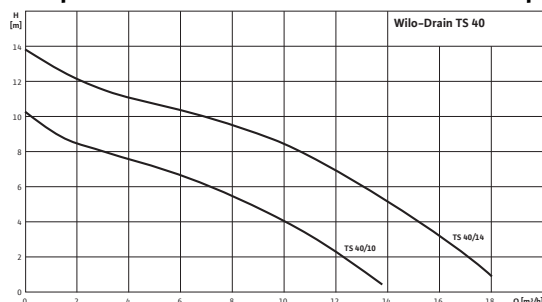
Static seal		NBR
Impeller		PP-GF30
Sealing on motor side		SiC/SiC
Mechanical seal		SiC/SiC

Data sheet: Wilo-Drain TS 40/14 (1~230 V)

Motor housing	1.4301
Pump housing	PP-GF30
Information for order placements	
Make	Wilo
Art no.	2063931
EAN number	4016322859901
Price group	PG7

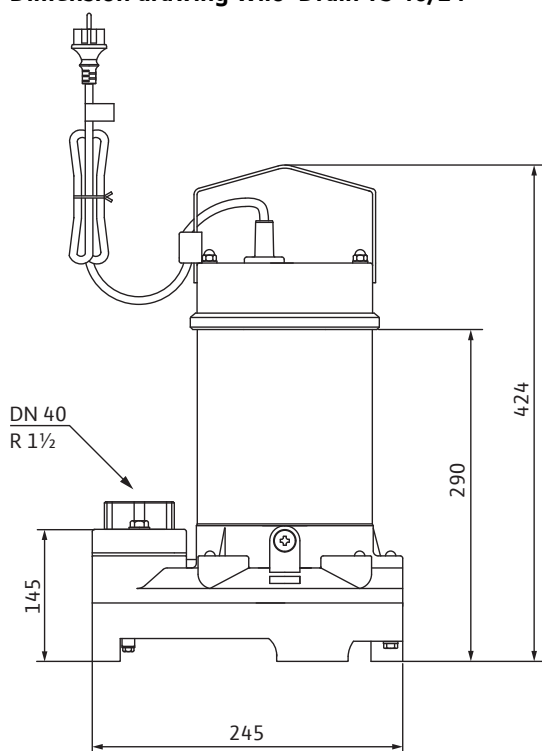
Data sheet: Wilo-Drain TS 40/14 (3~400 V)

Pump curves Wilo-Drain TS 40 – 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A.

Dimension drawing Wilo-Drain TS 40/14



Unit

Max. delivery head	H_{max}	14 m
Max. volume flow	Q_{max}	18 m³/h
Pressure connection		Rp 1½
Maximum operating pressure	p_{max}	2 bar
Free ball passage		10 mm
Operating mode (immersed)		S1, S3–25%
Operating mode (non-immersed)		–
Max. immersion depth		5 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	16 kg

Motor data

Mains connection		3~400 V, 50 Hz
Rated current	I_N	2.0 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	0.92 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		B
Max. switching frequency		50 1/h

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		4G1 mm²
Type of connecting cable		Plug, detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

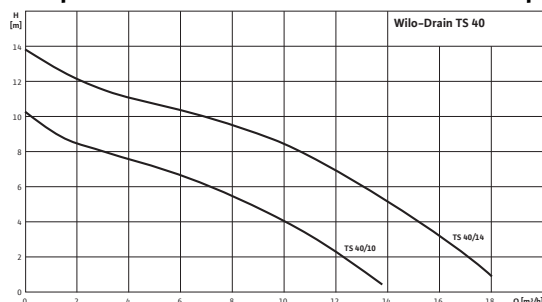
Static seal		NBR
Impeller		PP-GF30
Sealing on motor side		SiC/SiC
Mechanical seal		SiC/SiC

Data sheet: Wilo-Drain TS 40/14 (3~400 V)

Motor housing	1.4301
Pump housing	PP-GF30
Information for order placements	
Make	Wilo
Art no.	2063930
EAN number	4016322859895
Price group	PG7

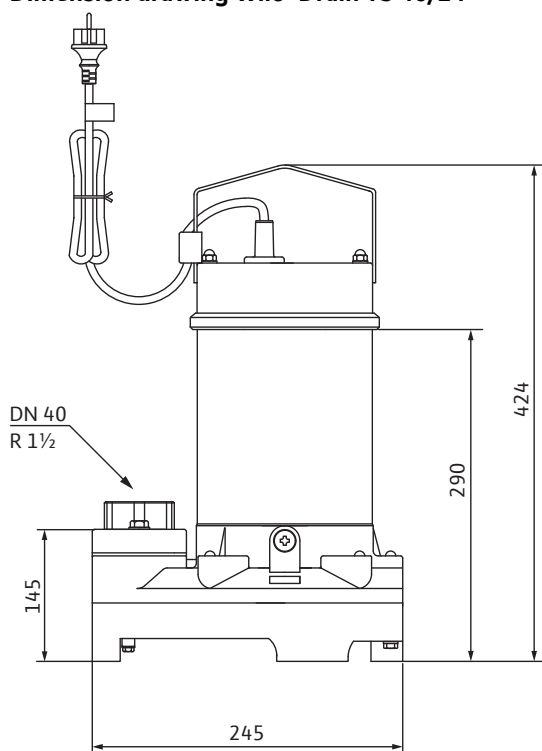
Data sheet: Wilo-Drain TS 40/14-A (1~230 V)

Pump curves Wilo-Drain TS 40 - 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A.

Dimension drawing Wilo-Drain TS 40/14



Unit

Max. delivery head	H_{max}	14 m
Max. volume flow	Q_{max}	18 m³/h
Pressure connection		Rp 1½
Maximum operating pressure	p_{max}	2 bar
Free ball passage		10 mm
Operating mode (immersed)		S1, S3-25%
Operating mode (non-immersed)		–
Max. immersion depth		5 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	16 kg

Motor data

Mains connection		1~230 V, 50 Hz
Rated current	I_N	4.4 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.0 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		B
Max. switching frequency		50 1/h

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		3G1 mm²
Type of connecting cable		Plug, detachable
Mains plug		Shock-proof

Equipment/function

Float switch		•
Motor protection		WSK
Explosion protection		–

Materials

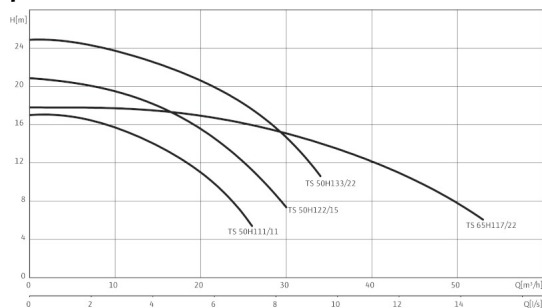
Static seal		NBR
Impeller		PP-GF30
Sealing on motor side		SiC/SiC
Mechanical seal		SiC/SiC

Data sheet: Wilo-Drain TS 40/14-A (1~230 V)

Motor housing	1.4301
Pump housing	PP-GF30
Information for order placements	
Make	Wilo
Art no.	2063929
EAN number	4016322859888
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 111/11-A (1~230 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	26 m ³ /h
Optimal delivery head	H_{opt}	13 m
Optimum volume flow	Q_{opt}	16 m ³ /h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	21 kg

Motor data

Mains connection	1~230 V, 50 Hz	
Rated current	I_N	7.7 A
Nominal motor power	P_z	1.1 kW
Power consumption	P_1	1.5 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	Shock-proof

Equipment/function

Float switch	•
Motor protection	WSK
Explosion protection	–

Materials

Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 111/11-A (1~230 V)

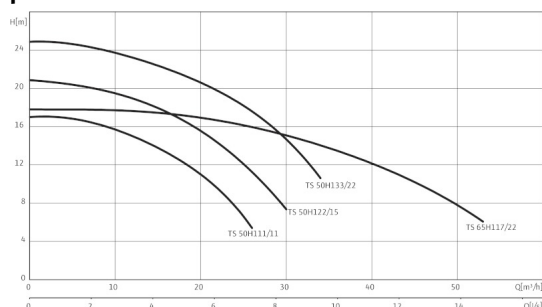
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	4029477
EAN number	4016322531135
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 111/11-A (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	26 m ³ /h
Optimal delivery head	H_{opt}	13 m
Optimum volume flow	Q_{opt}	16 m ³ /h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	21 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	3.2 A
Nominal motor power	P_z	1.1 kW
Power consumption	P_1	1.5 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	WSK
Explosion protection	–

Materials

Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 111/11-A (3~400 V)

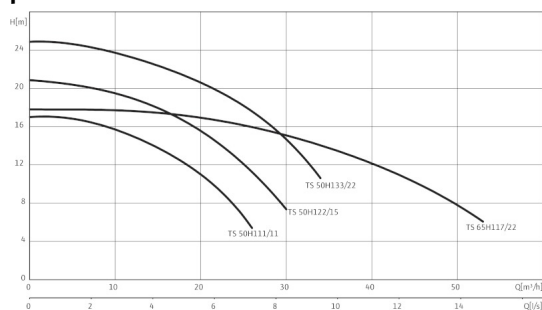
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	4029553
EAN number	4016322531227
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 122/15 (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	21 m
Max. volume flow	Q_{max}	29 m ³ /h
Optimal delivery head	H_{opt}	17 m
Optimum volume flow	Q_{opt}	18 m ³ /h
Pressure connection		Rp 2
Maximum operating pressure	p_{max}	2.3 bar
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2–8 min
Max. immersion depth		10 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	22 kg

Motor data

Mains connection		3~400 V, 50 Hz
Rated current	I_N	3.6 A
Nominal motor power	P_2	1.5 kW
Power consumption	P_1	2.1 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		50 1/h

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		6G1 mm ²
Type of connecting cable		Plug, detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials

Static seal		NBR
Impeller		PP-GF30

Data sheet: Wilo-Drain TS 50 H 122/15 (3~400 V)

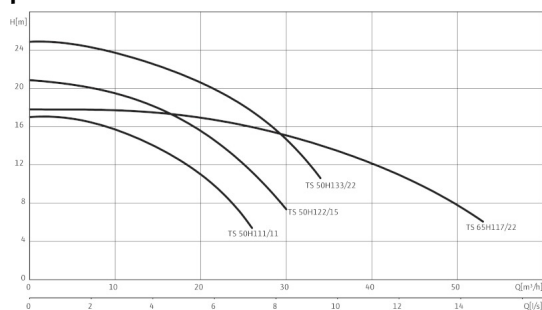
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	4025039
EAN number	4016322318156
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 133/22 (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	25 m
Max. volume flow	Q_{max}	35 m³/h
Optimal delivery head	H_{opt}	20 m
Optimum volume flow	Q_{opt}	22 m³/h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	2.8 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	23 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	5.1 A
Nominal motor power	P_2	2.2 kW
Power consumption	P_1	2.9 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm²
Type of connecting cable	Plug, detachable
Mains plug	–

Equipment/function

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

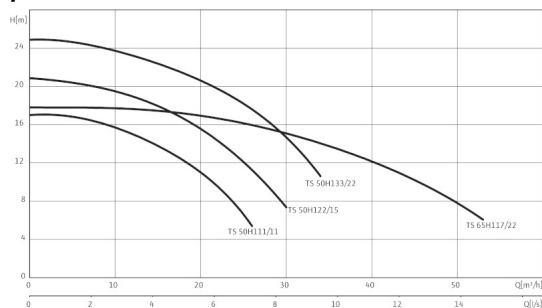
Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 133/22 (3~400 V)

Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR
Information for order placements	
Make	Wilo
Art no.	4025042
EAN number	4016322318163
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 111/11 (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	26 m ³ /h
Optimal delivery head	H_{opt}	13 m
Optimum volume flow	Q_{opt}	16 m ³ /h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	21 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	3.2 A
Nominal motor power	P_2	1.1 kW
Power consumption	P_1	1.5 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	–

Equipment/function

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 111/11 (3~400 V)

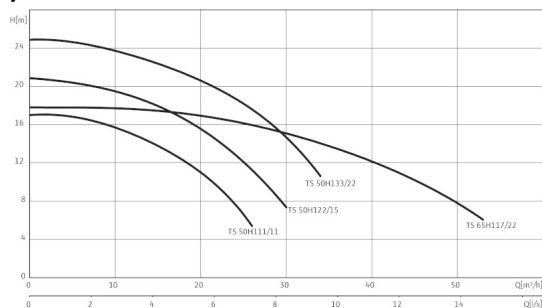
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	4025036
EAN number	4016322318132
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 111/11 (1~230 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	26 m^3/h
Optimal delivery head	H_{opt}	13 m
Optimum volume flow	Q_{opt}	16 m^3/h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	21 kg

Motor data

Mains connection	1~230 V, 50 Hz	
Rated current	I_N	7.7 A
Nominal motor power	P_2	1.1 kW
Power consumption	P_1	1.5 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m	
Cable type	H07RN-F	
Cable cross-section	4G1 mm^2	
Type of connecting cable	Plug, detachable	
Mains plug	Shock-proof	

Equipment/function

Float switch	–	
Motor protection	WSK	
Explosion protection	–	

Materials

Static seal	NBR	
Impeller	PP-GF30	

Data sheet: Wilo-Drain TS 50 H 111/11 (1~230 V)

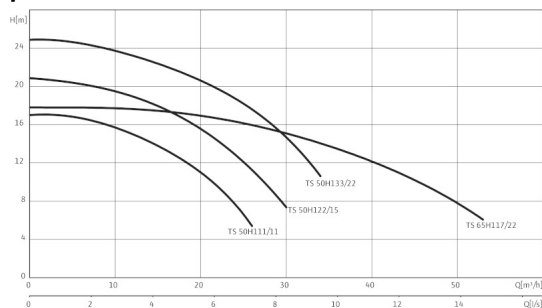
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	4025037
EAN number	4016322318149
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 111/11 CEE (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	26 m ³ /h
Optimal delivery head	H_{opt}	13 m
Optimum volume flow	Q_{opt}	16 m ³ /h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	21 kg

Motor data		
Mains connection	3~400 V, 50 Hz	
Rated current	I_N	3.2 A
Nominal motor power	P_2	1.1 kW
Power consumption	P_1	1.5 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDU

Equipment/function	
Float switch	–
Motor protection	WSK
Explosion protection	ATEX

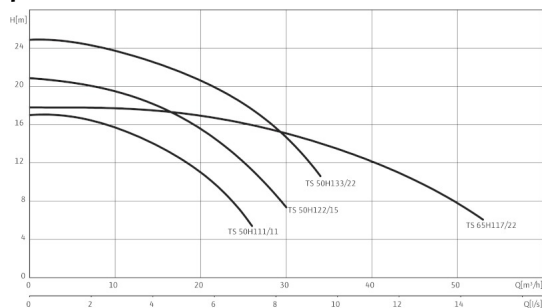
Materials	
Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 111/11 CEE (3~400 V)

Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR
Information for order placements	
Make	Wilo
Art no.	6042447
EAN number	4044966439869
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 122/15 CEE (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	21 m
Max. volume flow	Q_{max}	29 m³/h
Optimal delivery head	H_{opt}	17 m
Optimum volume flow	Q_{opt}	18 m³/h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	2.3 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	22 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	3.6 A
Nominal motor power	P_2	1.5 kW
Power consumption	P_1	2.1 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDU

Equipment/function

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 122/15 CEE (3~400 V)

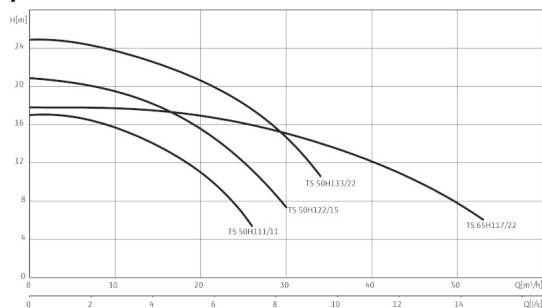
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	6042449
EAN number	4044966439883
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 122/15-A (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	21 m
Max. volume flow	Q_{max}	29 m ³ /h
Optimal delivery head	H_{opt}	17 m
Optimum volume flow	Q_{opt}	18 m ³ /h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	2.3 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	22 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	3.6 A
Nominal motor power	P_2	1.5 kW
Power consumption	P_1	2.1 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	WSK
Explosion protection	–

Materials

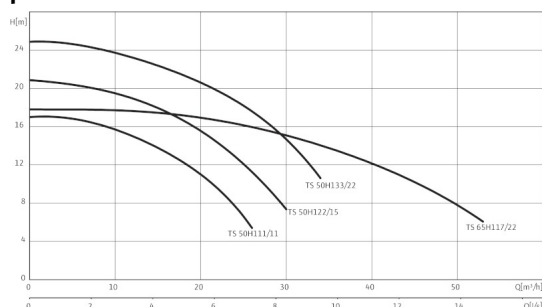
Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 122/15-A (3~400 V)

Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR
Information for order placements	
Make	Wilo
Art no.	6042448
EAN number	4044966439876
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 133/22-A (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	25 m
Max. volume flow	Q_{max}	35 m ³ /h
Optimal delivery head	H_{opt}	20 m
Optimum volume flow	Q_{opt}	22 m ³ /h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	2.8 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	23 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	5.1 A
Nominal motor power	P_z	2.2 kW
Power consumption	P_1	2.9 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	WSK
Explosion protection	–

Materials

Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 133/22-A (3~400 V)

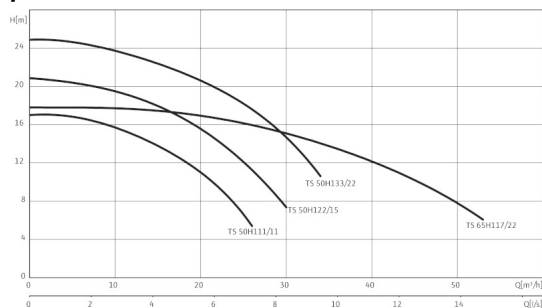
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	6042451
EAN number	4044966439906
Price group	PG7

Data sheet: Wilo-Drain TS 50 H 133/22 CEE (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	25 m
Max. volume flow	Q_{max}	35 m³/h
Optimal delivery head	H_{opt}	20 m
Optimum volume flow	Q_{opt}	22 m³/h
Pressure connection	Rp 2	
Maximum operating pressure	p_{max}	2.8 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	23 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	5.1 A
Nominal motor power	P_2	2.2 kW
Power consumption	P_1	2.9 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDU

Equipment/function

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

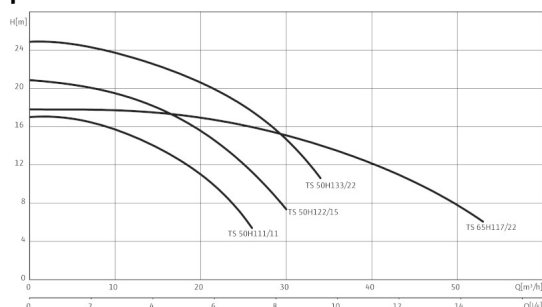
Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 50 H 133/22 CEE (3~400 V)

Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR
Information for order placements	
Make	Wilo
Art no.	6042450
EAN number	4044966439890
Price group	PG7

Data sheet: Wilo-Drain TS 65 H 117/22 (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	53 m ³ /h
Optimal delivery head	H_{opt}	15 m
Optimum volume flow	Q_{opt}	32 m ³ /h
Pressure connection	Rp 2½	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	24 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	5.1 A
Nominal motor power	P_2	2.2 kW
Power consumption	P_1	2.9 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	–

Equipment/function

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

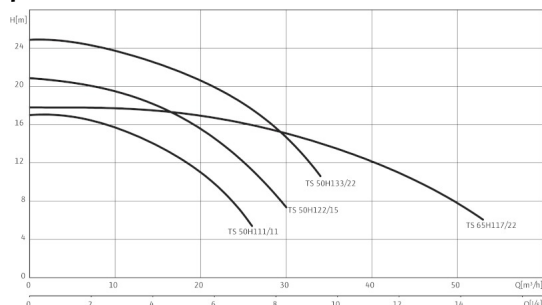
Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 65 H 117/22 (3~400 V)

Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR
Information for order placements	
Make	Wilo
Art no.	4025059
EAN number	4016322318170
Price group	PG7

Data sheet: Wilo-Drain TS 65 H 117/22-A (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	53 m ³ /h
Optimal delivery head	H_{opt}	15 m
Optimum volume flow	Q_{opt}	32 m ³ /h
Pressure connection	Rp 2½	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	24 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	5.1 A
Nominal motor power	P_2	2.2 kW
Power consumption	P_1	2.9 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	WSK
Explosion protection	–

Materials

Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 65 H 117/22-A (3~400 V)

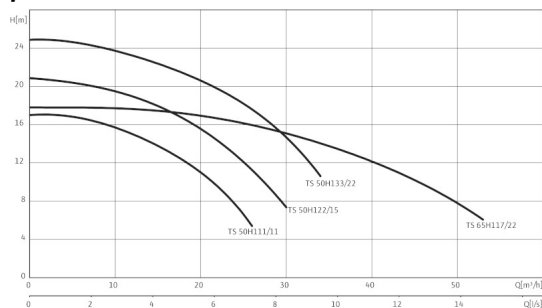
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR

Information for order placements

Make	Wilo
Art no.	6042453
EAN number	4044966439920
Price group	PG7

Data sheet: Wilo-Drain TS 65 H 117/22 CEE (3~400 V)

Pump curves Wilo-Drain TS 50/TS 65 – 50 Hz – No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17 m
Max. volume flow	Q_{max}	53 m ³ /h
Optimal delivery head	H_{opt}	15 m
Optimum volume flow	Q_{opt}	32 m ³ /h
Pressure connection	Rp 2½	
Maximum operating pressure	p_{max}	1.9 bar
Free ball passage	10 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	S2–8 min	
Max. immersion depth	10 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	24 kg

Motor data

Mains connection	3~400 V, 50 Hz	
Rated current	I_N	5.1 A
Nominal motor power	P_2	2.2 kW
Power consumption	P_1	2.9 kW
Activation type	Direct	
Nominal speed	n	2900 rpm
No. of poles	2	
Insulation class	F	
Max. switching frequency	50 1/h	

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm ²
Type of connecting cable	Plug, detachable
Mains plug	CEE M 16 WDU

Equipment/function

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

Static seal	NBR
Impeller	PP-GF30

Data sheet: Wilo-Drain TS 65 H 117/22 CEE (3~400 V)

Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	1.4301
Pump housing	PUR
Information for order placements	
Make	Wilo
Art no.	6042452
EAN number	4044966439913
Price group	PG7