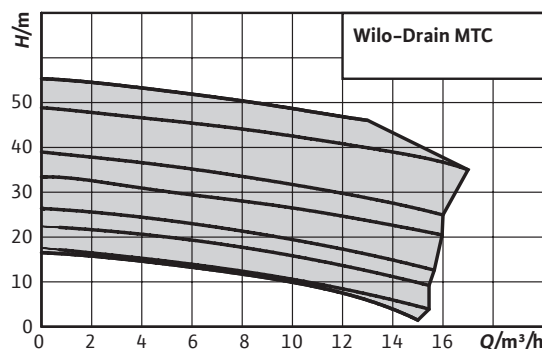


Series description: Wilo-Drain MTC



Design

Submersible sewage pump with external macerator for intermittent and permanent operation, made of grey cast iron for stationary and portable wet well installation.

Application

Pumping of sewage containing faeces as well as municipal and industrial sewage, including long-fibre constituents, in

- Pressure drainage
- House drainage
- Sewage disposal
- Water management
- Environmental and water treatment technology

Type key

E.g.:	Wilo-Drain MTC 32F55.13/66Ex
MT	Macerator technology
C	Cast iron version
32	Nominal diameter [mm]
F	Impeller shape
55	Max. delivery head [m]
13	Max. volume flow [m³/h]
66	Power P_2 [kW] (= value/10 = 6.6 kW)
Ex	ATEX approval
A	With float switch and shockproof plug

Special features/product advantages

- Heavy-duty version made of cast iron
- External macerator
- Sealing with mechanical seal on fluid side
- Oil barrier chamber
- Longitudinally watertight cable inlet

Technical data

- Mains connection: 1~230 V, 50 Hz (only MTC 40) and 3~400 V, 50 Hz
- Submerged operating mode: S1
- Non-immersed operating mode: S2-15 min or S3 30%
- Protection class: IP 68
- Insulation class: F
- Fluid temperature: 3...40 °C (MTC 40: 3...35 °C)
- Max. submersion depth: 10 m or 20 m
- Cable length: 10 m

Equipment/function

- Macerator with external blade and pulling cut
- Winding temperature monitoring with bimetallic strip

Description/design

Submersible sewage pump with external macerator as submersible monobloc unit for stationary and portable wet well installation in permanent operation.

Hydraulics

The outlet on the pressure side is designed as horizontal threaded/flange connection or as flange connections. Open multi-channel impellers are used.

Motor

The motors available are glanded motors in single-phase version (only MTC 40) and three-phase version for direct starting. The waste heat is given off directly to the surrounding fluid via the motor housing. These motors can operate immersed in permanent operation (S1) and non-immersed in short-term operation (S2) or intermittent operation (S3).

Furthermore the motors are equipped with thermal winding monitoring. The thermal winding monitor protects the motor winding from overheating. Bimetallic strips are used for this as standard.

Depending on the size, the motor can also be fitted with an external electrode to monitor the sealing chamber. This signals if there is water ingress into the sealing chamber through the seal on the pump side.

The connecting cable has bare cable ends and a length of 10 m as standard, and is available in following versions: The "A" model is equipped with a float switch and shockproof plug.

Seal

There is a sealing chamber between the motor and hydraulics. It is filled with medical white oil and protects the motor from media ingress by the seal on pump side. Pump-side and motor-side sealing is available in different versions depending on the motor type:

- MTC 32F33.17 and ...39.16: mechanical seal on the fluid side, two rotary shaft seals on the motor side
- MTC 32F22.17, ...26.17, ...49.17, and ...55.13: two independently acting mechanical seals
- MTC 40: two independently acting mechanical seals

Materials

- Motor housing: EN-GJL-200 or EN-GJL-250
- Hydraulic housing: EN-GJL-250
- Impeller: EN-GJL-HB175, EN-GJS-500 or EN-GJL-250
- Shaft: Stainless steel 1.0503, 1.7225 or 1.4021
- Macerator: Stainless steel 1.4112, Abrasit/1.4034 or X102CrMo17K4
- Sealing on pump side: SiC/SiC
- Sealing on motor side:
 - MTC 40: Al oxide/SiC
 - MTC 32F16.17, MTC 32F22.17 and MTC 32F26.17: SiC/SiC
 - MTC 32F33.17 and MTC 32F39.16: NBR

Series description: Wilo-Drain MTC

- MTC 32F49.17 and MTC 32F55.13: carbon/ceramic
- Static gasket: NBR

Scope of delivery

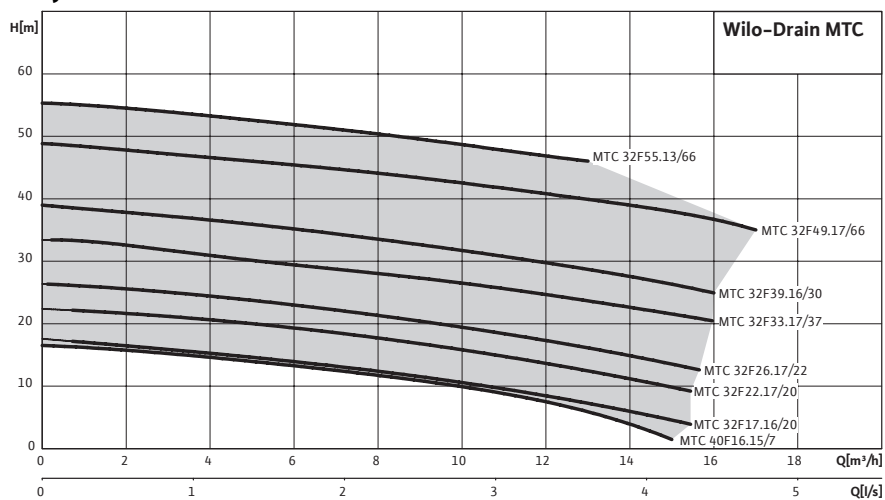
- Pump
- 10-metre connection cable with bare cable end
- A version with attached float switch and shockproof plug
- Installation and operating instructions

Accessories

- Suspension unit or pump base
- Chains
- Switchgears, relays and plugs
- Fixation sets with anchor bolts

Duty chart: Wilo-Drain MTC

Duty chart



Equipment/function: Wilo-Drain MTC

Design	
Submersible	•
Single-channel impeller	-
Vortex impeller	-
Multi-channel impeller	•
Open multi-channel impeller	-
Macerator	•
Turbulator	-
Sealing chamber	•
Leakage chamber	-
Sealing by mechanical seal on motor side	•
Sealing by rotary shaft seal on motor side	•
Sealing by mechanical seal on fluid side	•
AC motor	•
Three-phase motor	•
Direct activation	•
Star-delta activation	•
FC operation	-
dry motor	•
Motor with oil cooling	-
Dry motor with closed-circuit cooling	-
Application	
Wet well installation, stationary	•
Wet well installation, portable	•
Dry well installation, stationary	-
Dry well installation, portable	-
Equipment/function	
Motor leakage monitoring	-
Sealing chamber monitoring	-
Leakage chamber monitoring	-
Motor temperature monitoring, bimetal	•
PTC motor temperature monitoring	-
Explosion protection	•
Float switch	Version A
Capacitor box for 1~230 V	•
Ready-to-plug	Version A
Materials	
Pump housing	Cast iron
Impeller	Cast iron
Motor housing	Cast iron

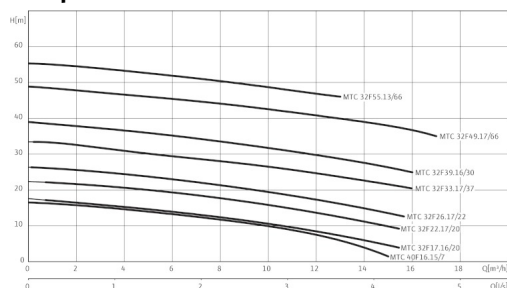
• = available, - = not available; o = optional

Product list: Wilo-Drain MTC

Pump type	Mains connection	Max. volume flow	Max. delivery head	Optimum volume flow	Optimal delivery head	Rated current	Nominal motor power	Pressure connection	Explosion protection	Max. immersion depth	Art no.
		$Q_{max}/m^3/h$	H_{max}/m	$Q_{opt}/m^3/h$	H_{opt}/m	I_N/A	P_2/kW				
MTC 32F17.16/20Ex	3~400 V, 50 Hz	16.0	17.0	9.0	11.0	4.45	2.0	Ø36 oval	ATEX	20	6048291
MTC 32F22.17/20Ex	3~400 V, 50 Hz	17.0	22.0	11.0	15.0	4.45	2.0	Ø36 oval	ATEX	20	6046395
MTC 32F26.17/22Ex	3~400 V, 50 Hz	17.0	26.0	11.0	18.0	4.8	2.25	Ø36 oval	ATEX	20	6046396
MTC 32F33.17/37Ex	3~400 V, 50 Hz	17.0	33.0	15.0	23.0	7.6	3.75	Ø36 oval	ATEX	20	6046397
MTC 32F39.16/30	3~400 V, 50 Hz	16.0	39.0	15.0	27.0	7.3	3.4	DN 32	–	10	2081263
MTC 32F39.16/30Ex	3~400 V, 50 Hz	16.0	39.0	15.0	27.0	7.3	3.4	DN 32	ATEX	10	2081262
MTC 32F49.17/66	3~400 V, 50 Hz	17.0	49.0	17.0	36.0	13.2	6.6	DN 32	–	10	2081265
MTC 32F49.17/66Ex	3~400 V, 50 Hz	17.0	49.0	17.0	36.0	13.2	6.6	DN 32	ATEX	10	2081264
MTC 32F55.13/66	3~400 V, 50 Hz	13.0	55.0	13.0	46.0	13.2	6.6	DN 32	–	10	2081267
MTC 32F55.13/66Ex	3~400 V, 50 Hz	13.0	55.0	13.0	46.0	13.2	6.6	DN 32	ATEX	10	2081266
MTC 40F16.15/7-A	1~230 V, 50 Hz	15.0	16.0	9.0	11.0	5.6	0.7	Rp 1½/DN 40	–	20	2081260
MTC 40F16.15/7	3~400 V, 50 Hz	15.0	16.0	9.0	11.0	2.5	0.7	Rp 1½/DN 40	–	20	2081261

Data sheet: Wilo-Drain MTC 32F39.16/30Ex (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	39.0 m
Max. volume flow	Q_{max}	16.0 m ³ /h
Optimal delivery head	H_{opt}	27.0 m
Optimum volume flow	Q_{opt}	15.0 m ³ /h
Pressure connection		DN 32
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	4 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S3-30%
Max. immersion depth		10 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	43.0 kg

Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	7.3 A
Starting current	I_A	43.0 A
Nominal motor power	P_2	3.4 kW
Power consumption	P_1	4.2 kW
Power factor	$\cos \varphi$	0.84
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	6G1,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Data sheet: Wilo-Drain MTC 32F39.16/30Ex (3~400 V)

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

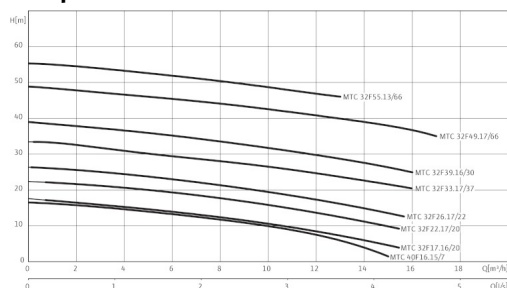
Static seal	NBR
Impeller	EN-GJL-HB175
Macerator	1.4112
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-200
Pump housing	EN-GJL-250
Pump shaft	1.0503 [AISI1045]

Information for order placements

Make	Wilo
Art no.	2081262
Price group	PG8
EAN number	4016322995951

Data sheet: Wilo-Drain MTC 32F49.17/66Ex (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	49.0 m
Max. volume flow	Q_{max}	17.0 m ³ /h
Optimal delivery head	H_{opt}	36.0 m
Optimum volume flow	Q_{opt}	17.0 m ³ /h
Pressure connection		DN 32
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	5 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S3-30%
Max. immersion depth		10 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	90.0 kg

Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	13.2 A
Starting current	I_A	58.0 A
Nominal motor power	P_2	6.6 kW
Power consumption	P_1	7.7 kW
Power factor	$\cos \varphi$	0.86
Activation type		Star-delta
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	10G2,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Data sheet: Wilo-Drain MTC 32F49.17/66Ex (3~400 V)

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

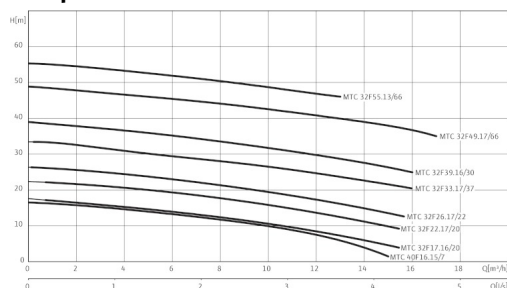
Static seal	NBR
Impeller	EN-GJS-500-7
Macerator	1.4112
Sealing on motor side	Carbon/ceramic
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-200
Pump housing	EN-GJL-250
Pump shaft	1.7225

Information for order placements

Make	Wilo
Art no.	2081264
Price group	PG8
EAN number	4016322995968

Data sheet: Wilo-Drain MTC 32F55.13/66Ex (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	55.0 m
Max. volume flow	Q_{max}	13.0 m ³ /h
Optimal delivery head	H_{opt}	46.0 m
Optimum volume flow	Q_{opt}	13.0 m ³ /h
Pressure connection		DN 32
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	6 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S3-30%
Max. immersion depth		10 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	90.0 kg

Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	13.2 A
Starting current	I_A	58.0 A
Nominal motor power	P_2	6.6 kW
Power consumption	P_1	7.7 kW
Power factor	$\cos \varphi$	0.86
Activation type		Star-delta
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	10G2,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Data sheet: Wilo-Drain MTC 32F55.13/66Ex (3~400 V)

Float switch	–
Motor protection	WSK
Explosion protection	ATEX

Materials

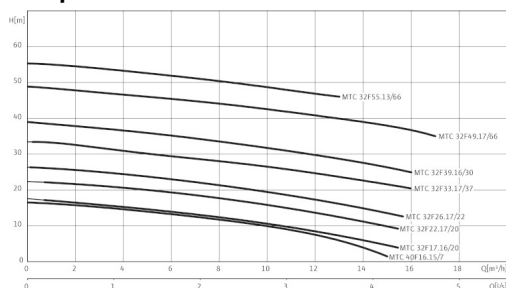
Static seal	NBR
Impeller	EN-GJS-500-7
Macerator	1.4112
Sealing on motor side	Carbon/ceramic
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-200
Pump housing	EN-GJL-250
Pump shaft	1.7225

Information for order placements

Make	Wilo
Art no.	2081266
Price group	PG8
EAN number	4016322995975

Data sheet: Wilo-Drain MTC 32F39.16/30 (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	39.0 m
Max. volume flow	Q_{max}	16.0 m ³ /h
Optimal delivery head	H_{opt}	27.0 m
Optimum volume flow	Q_{opt}	15.0 m ³ /h
Pressure connection		DN 32
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	4 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S3-30%
Max. immersion depth		10 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	43.0 kg

Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	7.3 A
Starting current	I_A	43.0 A
Nominal motor power	P_2	3.4 kW
Power consumption	P_1	4.2 kW
Power factor	$\cos \varphi$	0.84
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

Cable		
Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		6G1,5 mm ²
Type of connecting cable		Non-detachable
Mains plug		-

Equipment/function

Data sheet: Wilo-Drain MTC 32F39.16/30 (3~400 V)

Float switch	–
Motor protection	WSK
Explosion protection	–

Materials

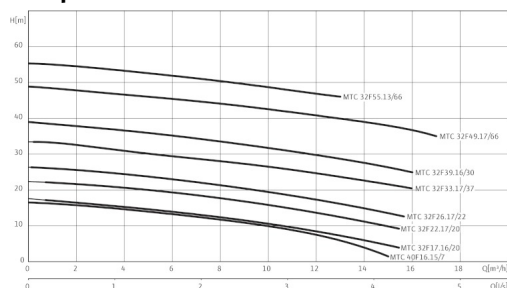
Static seal	NBR
Impeller	EN-GJL-HB175
Macerator	1.4112
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-200
Pump housing	EN-GJL-250
Pump shaft	1.0503 [AISI1045]

Information for order placements

Make	Wilo
Art no.	2081263
Price group	PG8
EAN number	4016322894988

Data sheet: Wilo-Drain MTC 32F55.13/66 (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	55.0 m
Max. volume flow	Q_{max}	13.0 m ³ /h
Optimal delivery head	H_{opt}	46.0 m
Optimum volume flow	Q_{opt}	13.0 m ³ /h
Pressure connection		DN 32
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	6 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S3-30%
Max. immersion depth		10 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	90.0 kg

Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	13.2 A
Starting current	I_A	58.0 A
Nominal motor power	P_2	6.6 kW
Power consumption	P_1	7.7 kW
Power factor	$\cos \varphi$	0.86
Activation type		Star-delta
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	10G2,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Data sheet: Wilo-Drain MTC 32F55.13/66 (3~400 V)

Float switch	–
Motor protection	WSK
Explosion protection	–

Materials

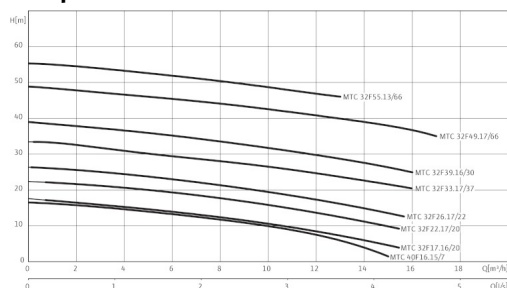
Static seal	NBR
Impeller	EN-GJS-500-7
Macerator	1.4112
Sealing on motor side	Carbon/ceramic
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-200
Pump housing	EN-GJL-250
Pump shaft	1.7225

Information for order placements

Make	Wilo
Art no.	2081267
Price group	PG8
EAN number	4016322895008

Data sheet: Wilo-Drain MTC 32F49.17/66 (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	49.0 m
Max. volume flow	Q_{max}	17.0 m ³ /h
Optimal delivery head	H_{opt}	36.0 m
Optimum volume flow	Q_{opt}	17.0 m ³ /h
Pressure connection		DN 32
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	5 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S3-30%
Max. immersion depth		10 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	90.0 kg

Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	13.2 A
Starting current	I_A	58.0 A
Nominal motor power	P_2	6.6 kW
Power consumption	P_1	7.7 kW
Power factor	$\cos \varphi$	0.86
Activation type		Star-delta
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		20 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	10G2,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Data sheet: Wilo-Drain MTC 32F49.17/66 (3~400 V)

Float switch	–
Motor protection	WSK
Explosion protection	–

Materials

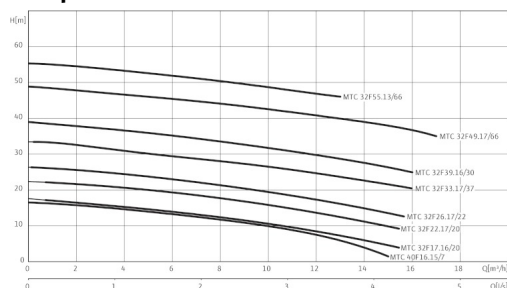
Static seal	NBR
Impeller	EN-GJS-500-7
Macerator	1.4112
Sealing on motor side	Carbon/ceramic
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-200
Pump housing	EN-GJL-250
Pump shaft	1.7225

Information for order placements

Make	Wilo
Art no.	2081265
Price group	PG8
EAN number	4016322894995

Data sheet: Wilo-Drain MTC 40F16.15/7-A (1~230 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	16.0 m
Max. volume flow	Q_{max}	15.0 m ³ /h
Optimal delivery head	H_{opt}	11.0 m
Optimum volume flow	Q_{opt}	9.0 m ³ /h
Pressure connection		Rp 1½/DN 40
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	2 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		-
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	20.0 kg

Motor data		
Mains connection		1~230 V, 50 Hz
Rated current	I_N	5.6 A
Starting current	I_A	14.4 A
Nominal motor power	P_2	0.7 kW
Power consumption	P_1	1.2 kW
Power factor	$\cos \varphi$	0.95
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		25 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

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

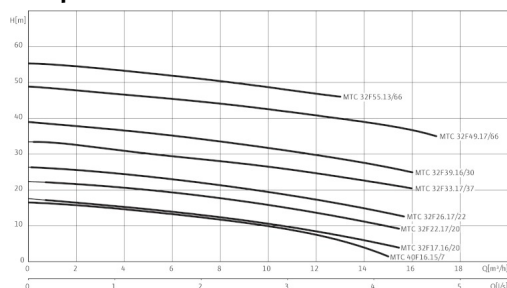
Equipment/function

Data sheet: Wilo-Drain MTC 40F16.15/7-A (1~230 V)

Float switch	•
Motor protection	WSK
Explosion protection	–
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Macerator	X102CrMo17K4/Sint C4 DIN 30910-4
Sealing on motor side	Al/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021 [AISI420]
Information for order placements	
Make	Wilo
Art no.	2081260
Price group	PG8
EAN number	4016322928560

Data sheet: Wilo-Drain MTC 40F16.15/7 (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	16.0 m
Max. volume flow	Q_{max}	15.0 m ³ /h
Optimal delivery head	H_{opt}	11.0 m
Optimum volume flow	Q_{opt}	9.0 m ³ /h
Pressure connection		Rp 1½/DN 40
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	2 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		-
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	20.0 kg

Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	2.5 A
Starting current	I_A	16.5 A
Nominal motor power	P_2	0.7 kW
Power consumption	P_1	1.2 kW
Power factor	$\cos \varphi$	0.65
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Recommended switching frequency		25 1/h
Max. switching frequency		50 1/h
Permitted voltage tolerance		±10 %

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

Equipment/function

Data sheet: Wilo-Drain MTC 40F16.15/7 (3~400 V)

Float switch	–
Motor protection	WSK
Explosion protection	–

Materials

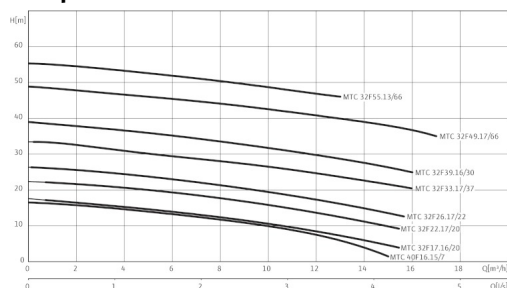
Static seal	NBR
Impeller	EN-GJL-250
Macerator	X102CrMo17K4/Sint C4 DIN 30910-4
Sealing on motor side	Al/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021 [AISI420]

Information for order placements

Make	Wilo
Art no.	2081261
Price group	PG8
EAN number	4016322928577

Data sheet: Wilo-Drain MTC 32F22.17/20Ex (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

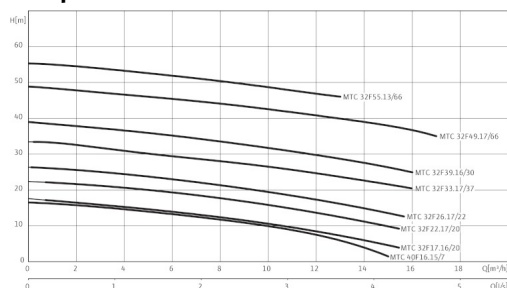
Unit		
Max. delivery head	H_{max}	22.0 m
Max. volume flow	Q_{max}	17.0 m ³ /h
Optimal delivery head	H_{opt}	15.0 m
Optimum volume flow	Q_{opt}	11.0 m ³ /h
Pressure connection		Ø36 oval
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	2 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	33.0 kg
Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	4.45 A
Starting current	I_A	26.0 A
Nominal motor power	P_2	2.0 kW
Power consumption	P_1	2.6 kW
Power factor	$\cos \varphi$	0.85
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %
Cable		
Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		7G1,5 mm ²
Type of connecting cable		Non-detachable
Mains plug		-
Equipment/function		
Float switch		-

Data sheet: Wilo-Drain MTC 32F22.17/20Ex (3~400 V)

Motor protection	WSK
Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Macerator	Abrasit/1.4034
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021 [AISI420]
Information for order placements	
Make	Wilo
Art no.	6046395
Price group	PG8
EAN number	4044966491904

Data sheet: Wilo-Drain MTC 32F26.17/22Ex (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

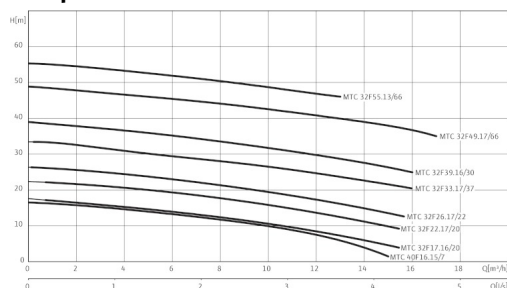
Unit		
Max. delivery head	H_{max}	26.0 m
Max. volume flow	Q_{max}	17.0 m ³ /h
Optimal delivery head	H_{opt}	18.0 m
Optimum volume flow	Q_{opt}	11.0 m ³ /h
Pressure connection		Ø36 oval
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	3 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	33.0 kg
Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	4.8 A
Starting current	I_A	25.0 A
Nominal motor power	P_2	2.25 kW
Power consumption	P_1	3.0 kW
Power factor	$\cos \varphi$	0.87
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %
Cable		
Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		7G1,5 mm ²
Type of connecting cable		Non-detachable
Mains plug		-
Equipment/function		
Float switch		-

Data sheet: Wilo-Drain MTC 32F26.17/22Ex (3~400 V)

Motor protection	WSK
Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Macerator	Abrasit/1.4034
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021 [AISI420]
Information for order placements	
Make	Wilo
Art no.	6046396
Price group	PG8
EAN number	4044966491911

Data sheet: Wilo-Drain MTC 32F33.17/37Ex (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

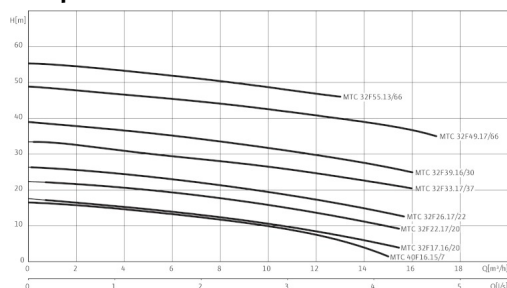
Unit		
Max. delivery head	H_{max}	33.0 m
Max. volume flow	Q_{max}	17.0 m ³ /h
Optimal delivery head	H_{opt}	23.0 m
Optimum volume flow	Q_{opt}	15.0 m ³ /h
Pressure connection		Ø36 oval
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	4 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	49.0 kg
Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	7.6 A
Starting current	I_A	37.0 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.7 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %
Cable		
Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		7G1,5 mm ²
Type of connecting cable		Non-detachable
Mains plug		-
Equipment/function		
Float switch		-

Data sheet: Wilo-Drain MTC 32F33.17/37Ex (3~400 V)

Motor protection	WSK
Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Macerator	Abrasit/1.4034
Sealing on motor side	FPM
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021 [AISI420]
Information for order placements	
Make	Wilo
Art no.	6046397
Price group	PG8
EAN number	4044966491928

Data sheet: Wilo-Drain MTC 32F17.16/20Ex (3~400 V)

Pump curves Wilo-Drain MTC 32 - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit		
Max. delivery head	H_{max}	17.0 m
Max. volume flow	Q_{max}	16.0 m ³ /h
Optimal delivery head	H_{opt}	11.0 m
Optimum volume flow	Q_{opt}	9.0 m ³ /h
Pressure connection		Ø36 oval
Flanges (according to EN 1092-2)	PN	10
Connection standard		EN 1092-2
Maximum operating pressure	p_{max}	2 bar
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	33.0 kg
Motor data		
Mains connection		3~400 V, 50 Hz
Rated current	I_N	4.45 A
Starting current	I_A	26.0 A
Nominal motor power	P_2	2.0 kW
Power consumption	P_1	2.6 kW
Power factor	$\cos \varphi$	0.85
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %
Cable		
Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		7G1,5 mm ²
Type of connecting cable		Non-detachable
Mains plug		-
Equipment/function		
Float switch		-

Data sheet: Wilo-Drain MTC 32F17.16/20Ex (3~400 V)

Motor protection	WSK
Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Macerator	Abrasit/1.4034
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021 [AISI420]
Information for order placements	
Make	Wilo
Art no.	6048291
Price group	PG8
EAN number	4044966508527