



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.

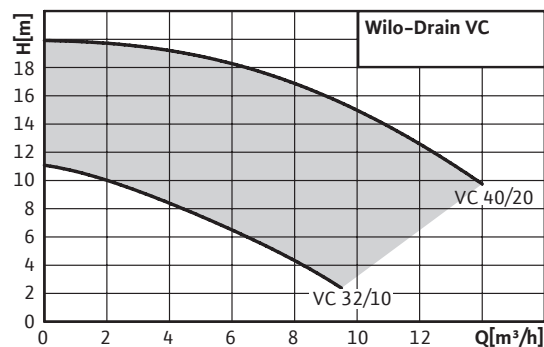
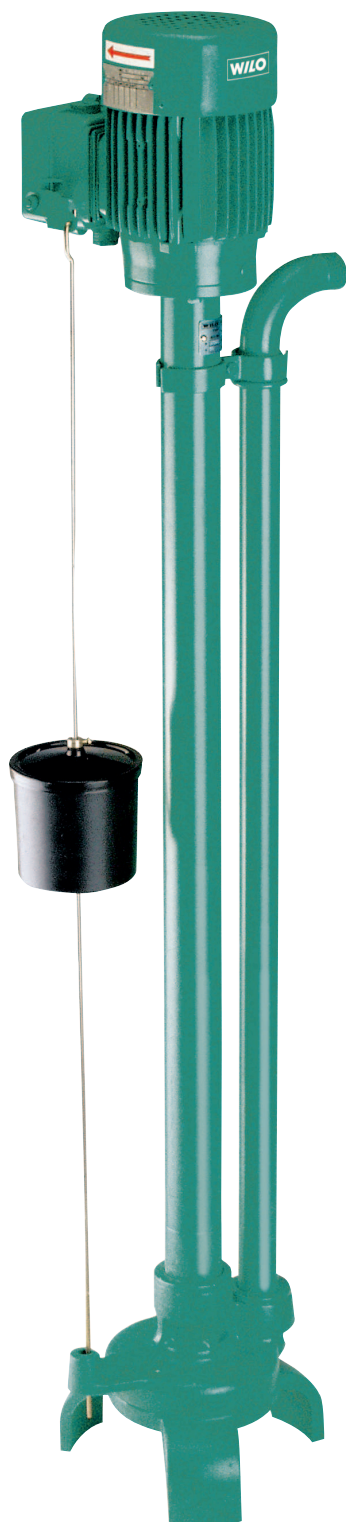


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Axiom Water companies

Series description: Wilo-Drain VC



Design

Vertically-mounted drainage pump (pedestal pump with IE2 motor)

Application

Pumping of wastewater:

- Containing solid substances of max. Ø 5 mm or Ø 7 mm (VC 40)
- Fluids up to 95 °C
- From pump sumps
- With condensate
- From basements at risk of flooding

Equipment/function

- Attached float
- Capacitor box (VC 32), 1~

Materials

- Motor housing: Al
- Pump housing: EN-GJL-250
- Impeller: 1.4028 (VC 32/10), EN-GJL-250 (VC 40/20)
- Shaft: stainless steel
- Floater: PP

Series description: Wilo-Drain VC

Type key

Example:

Wilo-Drain VC 32/10

VC	Vertical drainage pump
32	Nominal diameter of pressure port in mm
10	Max. delivery head in m

Special features/product advantages

- Long service life
- Easy commissioning
- Connection outside the fluid
- Long downtimes possible
- Built-in motor protection by thermal relay

Technical data

- Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Protection class: IP 54
- Fluid temperature: 3 95 °C
- Free ball passage: 5 mm / 7 mm
- Pressure port: R 1 / R 1½

Description/design

Vertical pedestal-type wastewater pump with mounted float switch for stationary installation.

- IE2 motor
- On completely flat floors
- Shaft always vertical
- VC 40 hanging from flange

Float switch

- VC 32: On the motor
- VC 40: disconnected from motor

Electrical data

- VC 32: 1~230 V with capacitor 40 µF
- VC 40: 3~230/400 V motor protection switch required onsite.

Scope of delivery

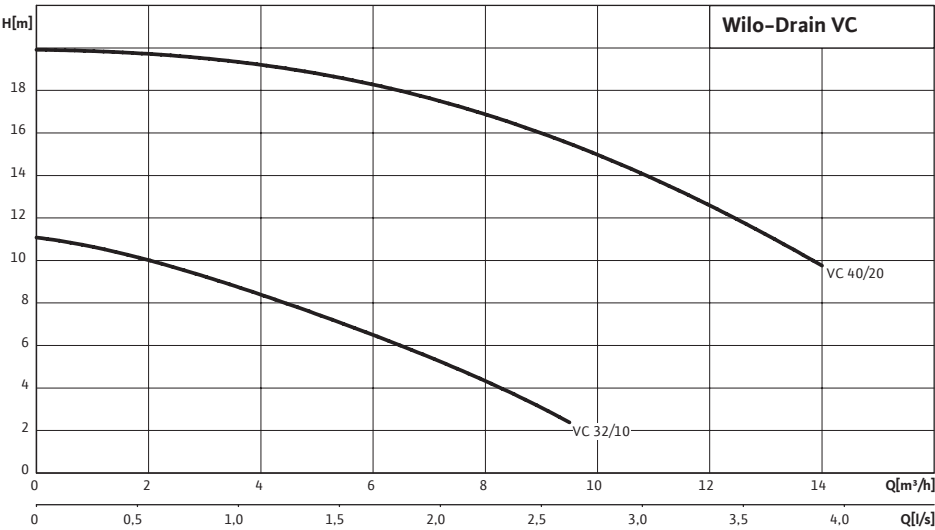
Pump with attached float switch and installation and operating instructions.



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Duty chart: Wilo-Drain VC

Pump curves



Equipment/function: Wilo-Drain VC

Design

Submersible	–
Non-self-priming	•
Open single-channel impeller	–
Vortex impeller	–
Open multi-channel impeller	•
Turbulator	–
Sealing chamber	–
Sealing for mechanical seal on motor side	–
Sealing for rotary shaft seal on motor side	•
Sealing for mechanical seal on fluid side	–
Sealing for rotary shaft seal on fluid side	•
Single-phase 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	•
Non-return valve	–
Capacitor box for 1~230 V	•
Connecting cable detachable	–
Ready-to-plug	–

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



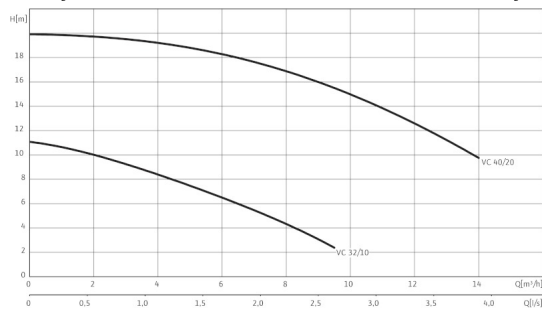
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Product list: Wilo-Drain VC

Pump type	Mains connection	Max. volume flow	Max. delivery head	Optimum volume flow	Optimal delivery head	Art no.
		$Q_{max}/m^3/h$	H_{max}/m	$Q_{opt}/m^3/h$	H_{opt}/m	
VC 32/10	3~400 V, 50 Hz	7	10	5	7	2044583
VC 32/10	1~230 V, 50 Hz	7	10	5	7	2044582
VC 40/20	3~400 V, 50 Hz	16	20	10	15	2044584

Data sheet: Wilo-Drain VC 32/10 (3~400 V)

Pump curves Wilo-Drain VC – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head	H_{max}	10 m
Max. volume flow	Q_{max}	7 m³/h
Optimal delivery head	H_{opt}	7 m
Optimum volume flow	Q_{opt}	5 m³/h
Pressure connection		R 1
Free ball passage		5 mm
Operating mode (non-immersed)		S1
Protection class		IP 55
Fluid temperature	T	+3 ... +95 °C
Weight approx.	m	36 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	1 A
Nominal motor power	P_2	0.37 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		50 1/h

Cable

Mains plug		–
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Equipment/function

Float switch		•
Explosion protection		–

Materials

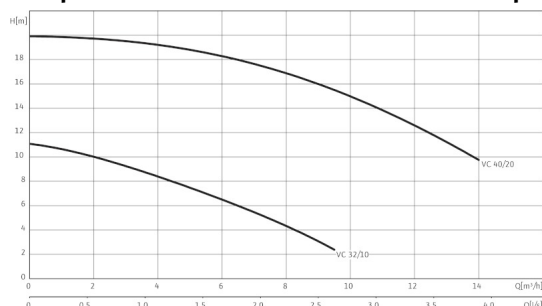
Impeller		1.4028
Motor housing		Al
Pump housing		EN-GJL-250

Information for order placements

Make		Wilo
Art no.		2044583
EAN number		4016322640301
Ready for delivery		Stock
Price group		W6

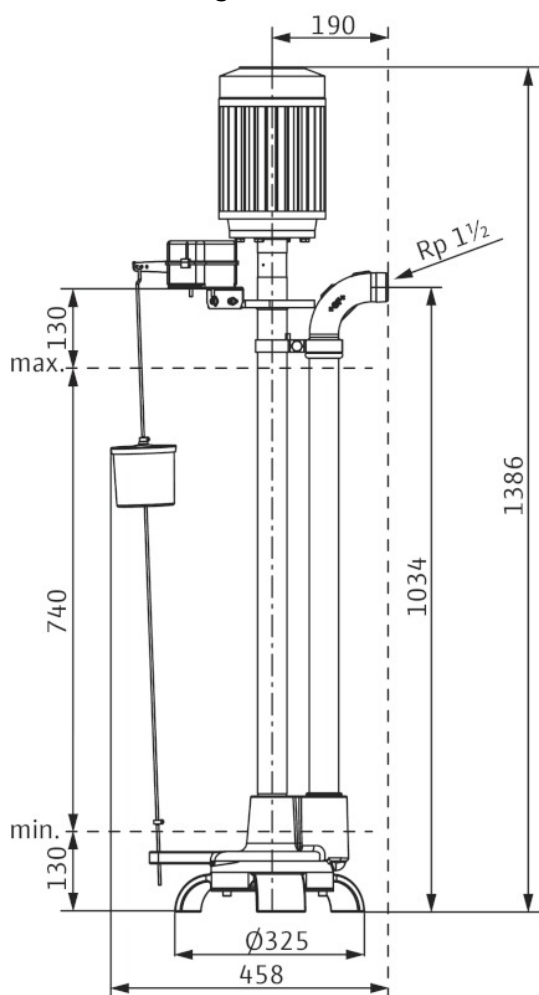
Data sheet: Wilo-Drain VC 40/20 (3~400 V)

Pump curves Wilo-Drain VC – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-Drain VC 40



Unit

Max. delivery head	H_{max}	20 m
Max. volume flow	Q_{max}	16 m³/h
Optimal delivery head	H_{opt}	15 m
Optimum volume flow	Q_{opt}	10 m³/h
Pressure connection		R 1½
Free ball passage		7 mm
Operating mode (non-immersed)		S1
Protection class		IP 55
Fluid temperature	T	+3 ... +95 °C
Weight approx.	m	77 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	2.90 A
Nominal motor power	P_2	2.20 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		50 1/h

Cable

Mains plug		–
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Equipment/function

Float switch		•
Explosion protection		–

Materials

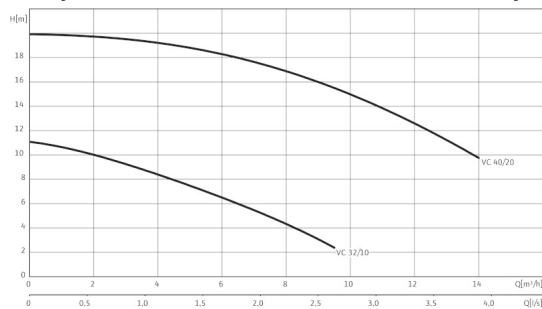
Impeller		EN-GJL-250
Motor housing		Al
Pump housing		EN-GJL-250

Information for order placements

Make		Wilo
Art no.		2044584
EAN number		4016322640318
Ready for delivery		Stock
Price group		W6

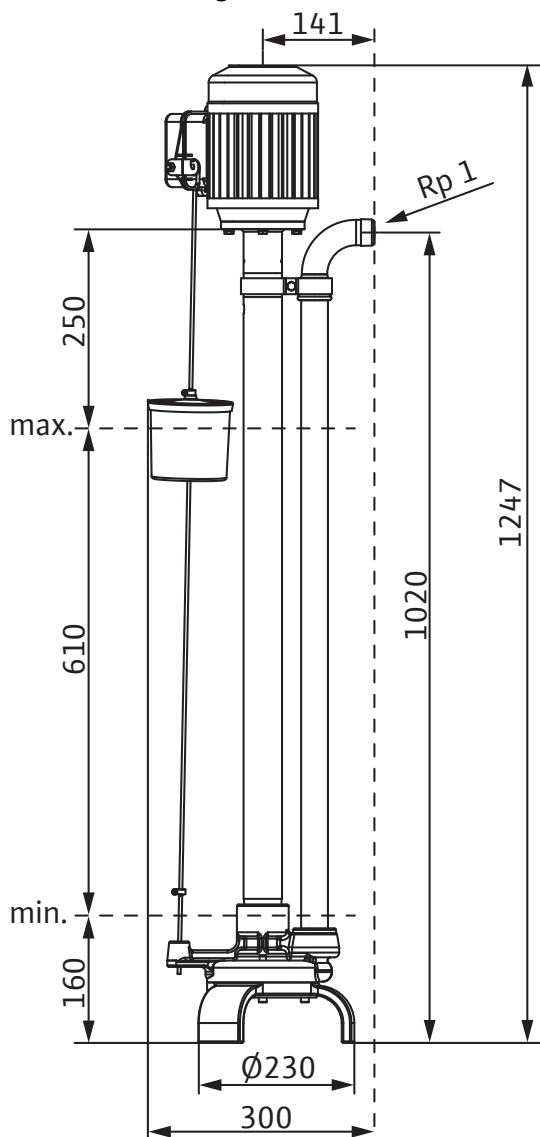
Data sheet: Wilo-Drain VC 32/10 (1~230 V)

Pump curves Wilo-Drain VC - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-Drain VC 32 (1~230 V)



Unit

Max. delivery head	H_{max}	10 m
Max. volume flow	Q_{max}	7 m³/h
Optimal delivery head	H_{opt}	7 m
Optimum volume flow	Q_{opt}	5 m³/h
Pressure connection		R 1
Free ball passage		5 mm
Operating mode (non-immersed)		S1
Protection class		IP 55
Fluid temperature	T	+3 ... +95 °C
Weight approx.	m	36 kg

Motor data

Mains connection		1~230 V, 50 Hz
Nominal current	I_N	3.90 A
Nominal motor power	P_2	0.37 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		50 1/h

Cable

Mains plug		–
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Equipment/function

Float switch		•
Explosion protection		–

Materials

Impeller		1.4028
Motor housing		Al
Pump housing		EN-GJL-250

Information for order placements

Make		Wilo
Art no.		2044582
EAN number		4016322640295
Ready for delivery		Stock
Price group		W6