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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 LP



Design

Self-priming drainage pump

Application

Pumping of wastewater for

- Ponds
- Sprinkling /spraying of gardens and green areas
- Mobile drainage

Type key

Example:	Wilo-Drain LP 40/10
LP	Self-priming pump
40	Nominal diameter (DN 40)
10	Maximum delivery head in m

Special features/product advantages

- High operational reliability
- Easy handling
- Easy operation

Technical data

- Mains connection: 1~230 V, 50 Hz
- Protection class: 44
- Fluid temperature: 3 35 °C
- Free ball passage: 5 mm
- Connection: Rp 1½
- Max. suction head: 6 m

Equipment/function

- Thermal motor monitoring
- Oval counter flange
- Vortex impeller

Materials

- Motor housing: Al
- Pump housing: PP
- Impeller: Brass
- Shaft: 1.4006
- Sealing: C/Cr mechanical seal
- Static seals: NBR

Description/design

Self-priming centrifugal pump for portable dry well installation, not submersible.

The centrifugal pump is equipped with a vortex impeller. Stable installation is ensured by a low-vibration polypropylene baseplate.

Scope of delivery

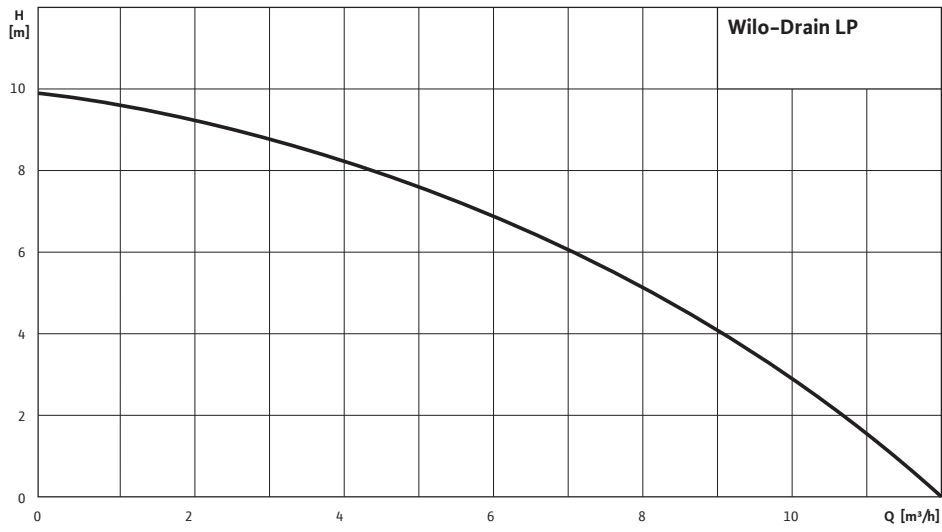
Pump includes 2 oval counter flanges with inside thread G 1 ½, carrying handle and installation and operating instructions.



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Duty chart: Wilo-Drain LP

Pump curves



Equipment/function: Wilo-Drain LP

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



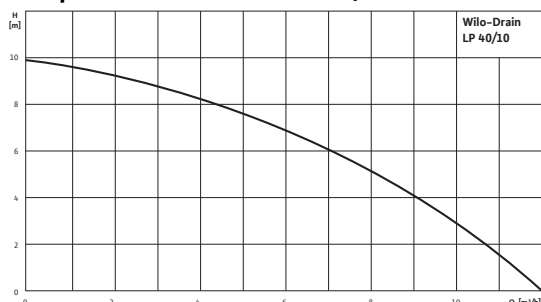
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Product list: Wilo-Drain LP

Pump type	Mains connection	Max. volume flow	Max. delivery head	Art no.
		$Q_{max}/m^3/h$	H_{max}/m	
LP 40/10	1~230 V, 50 Hz	12	10	2047645

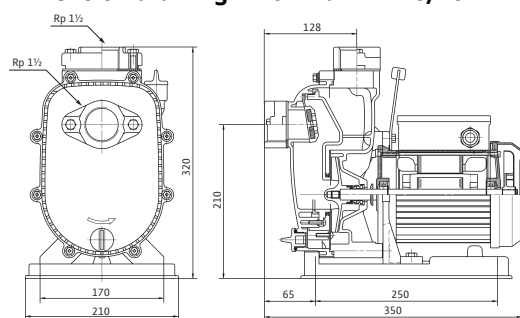
Data sheet: Wilo-Drain LP 40/10

Pump curves Wilo-Drain LP 40/10 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A. The specified degrees of efficiency correspond to the overall efficiency.

Dimension drawing Wilo-Drain LP 40/10



Unit

Max. delivery head	H_{max}	10 m
Max. volume flow	Q_{max}	12 m ³ /h
Pressure connection		DN 40
Free ball passage		5 mm
Operating mode (immersed)		-
Operating mode (non-immersed)		S1
Protection class		IP 44
Fluid temperature	T	+3 ... +35 °C
Weight approx.	m	12 kg

Motor data

Mains connection		1~230 V, 50 Hz
Nominal current	I_N	2.30 A
Nominal motor power	P_2	0.40 kW
Power consumption	P_1	0.55 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		B

Equipment/function

Float switch		-
Motor protection		WSK

Materials

Static seal		NBR
Impeller		CuZn
Mechanical seal		Carbon/ceramic
Motor housing		Al
Pump housing		PP

Information for order placements

Make		Wilo
Art no.		2047645
EAN number		4016322712701
Ready for delivery		Stock
Price group		W6