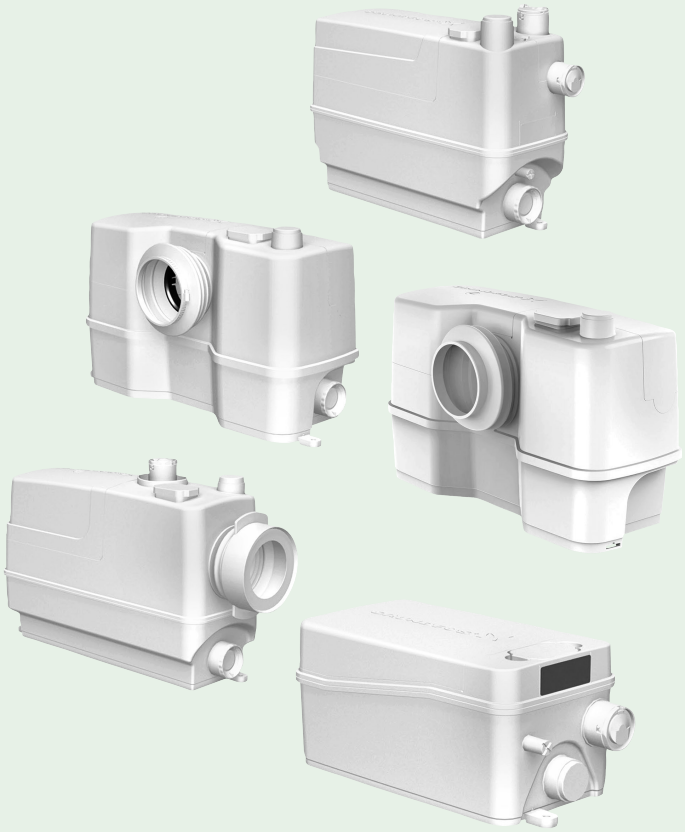
Data booklet

SOLOLIFT2

Small lifting stations

50 and 60 Hz



GRUNDFOS

2. SOLOLIFT2 WC-1

SOLOLIFT2 WC-1 is a small, compact, ready-to-install automatic lifting station with integrated powerful cutter system. It is suitable for pumping wastewater with faeces from private dwellings.

The unit is designed according to EN 12050-3.



TM085256

SOLOLIFT2 WC-1

2.1 Applications

SOLOLIFT2 WC-1 is suitable for pumping wastewater from a washbasin and a single toilet (with horizontal outlet according to EN 33/37) containing toilet paper and faeces.

Typical applications:

- Basement installations below sewer level.
- In connection with the renovation or modernisation of existing buildings where the location may be remote from the main soil pipe so that a natural slope cannot be established, for example attics.



TM050358

Example of application

2.2 Features and benefits

Robustness and operational reliability

- The powerful motor ensures optimum operational reliability, even when for instance feminine hygiene products are occasionally flushed down the toilet.

Easy installation and replacement

- Adjustable outlet and inlet connections ensure easy installation and replacement.

Easy maintenance and service

- The removable, compact pump-motor unit makes any service job a fast and clean matter.
- No need to disconnect outlet and inlet pipes or to remove the unit from behind the toilet.

2.8 Technical data

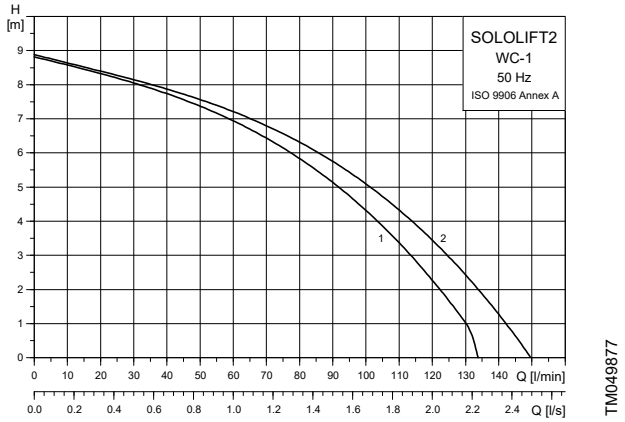
2.8.1 Mechanical data

	50 and 60 Hz
Net weight	7.3 kg
Tank volume	9.0 litres
Flexible outlet elbow	∅22/25/28/32/36/40
Toilet connection	Toilet with horizontal ∅100 outlet according to EN 33 / EN 37
Dimensions of possible inlet	1 × ∅32/36/40
Start and stop levels	Start: 72 mm above floor level Stop: 52 mm above floor level
pH value of the pumped liquid	4-10
Maximum liquid temperature	50 °C
Ambient temperature	5-35 °C
Noise level	< 70 dB(A) to 12050-2
Duty class	S3-50 % - 1 min. (30 sec. on; 30 sec. off)

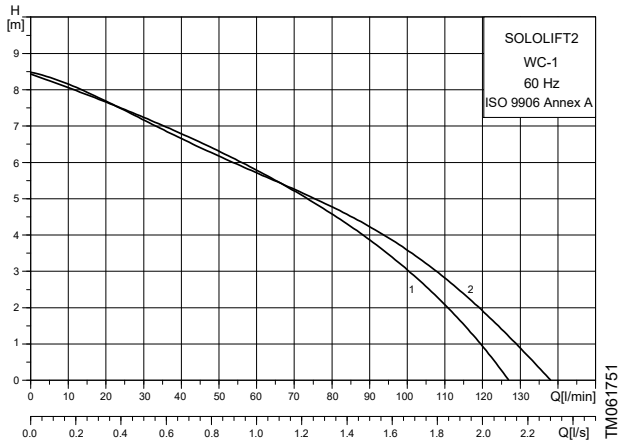
2.8.2 Electrical data

	50 Hz	60 Hz
Supply voltage	1 × 220-240 V -10% / +6%, 50 Hz	1 × 220 V -10 % / +6 %, 60 Hz
Power consumption, P1	Max. 620 W	Max. 650 W
Rated current	3.0 A	3.0 A
Power factor, cos φ	0.87 / 0.92	0.93
Speed	2800 min^{-1}	3400 min^{-1}
Enclosure class	IP44	IP44
Insulation class	F	F
Connecting cable	1.2 m, 0.75 mm^2 (H05VV-F-3G)	1.2 m, 0.75 mm^2 (H05VV-F-3G)

2.8.3 Performance



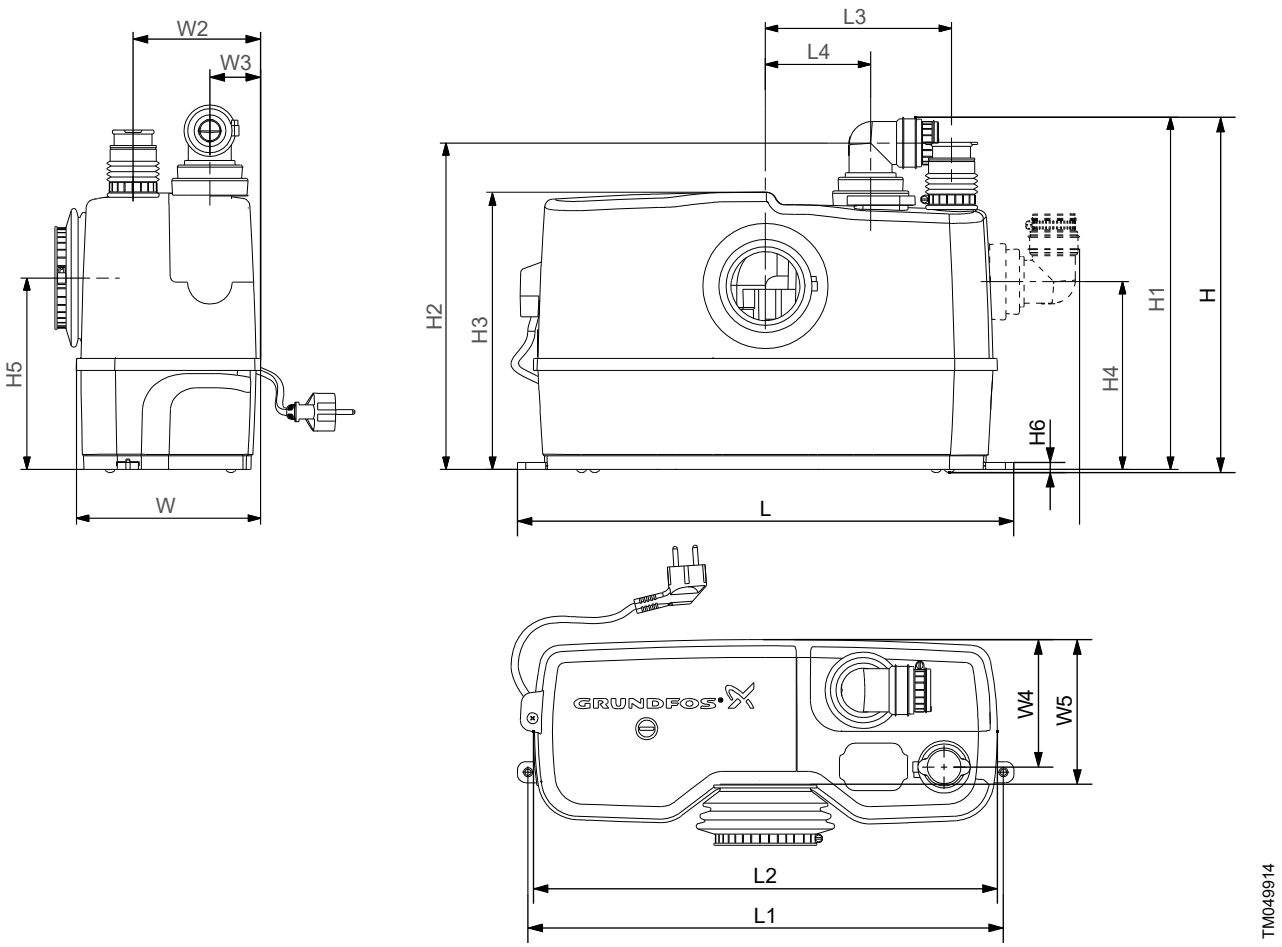
Performance curve for SOLOLIFT2 WC-1, 50 Hz



Performance curve for SOLOLIFT2 WC-1, 60 Hz

Pos.	Description
1	Horizontal outlet
2	Vertical outlet

2.8.4 Dimensions



Dimensional drawings, SOLOLIFT2 WC-1

Pump type	Dimensions[mm]																		Weights[kg]
	L	L1	L2	L3	L4	W	W1	W2	W3	W4	W5	H	H1	H2	H3	H4	H5	H6	Connection [mm]	
SOLOLIFT2 WC-1	472	453	442	170	93	176	176	122	49	121	138	350	347	323	263	179	182	3.20	32/36/40, DN 100	9.6

7. Product range, overview

7.1 Product numbers

Overview of available products:

50 Hz

Product	Mains supply	Plug	Sales region	Outlet port	Cable length	Weights		Shipping volume	Product number
						Net	Gross		
					[m]	[kg]	[kg]	[m^3]	
SOLOLIFT2 WC-1	1 × 220-240 V -10% / +6%, 50 Hz	Schuko	Europe	∅22/25/28/32/36/40	1.2	7.3	9.2	0.052	97775314
		CN plug	China						99478897
		AUS	Australia						97775324
		No plug	UK						97775329
SOLOLIFT2 WC-3		Schuko	Europe	∅22/25/28/32/36/40		7.3	9.3	0.052	97775315
		CN plug	China						9947890
		AUS	Australia						97775325
		No plug	UK						97775330
SOLOLIFT2 CWC-3		Schuko	Europe	∅22/25/28/32/36/40		7.1	9.0	0.046	97775316
		CN plug	China						99478901
		AUS	Australia						97775326
		No plug	UK						97775331
SOLOLIFT2 C-3		Schuko	Europe	∅22/25/28/32/36/40		6.5	8.1	0.036	97775317
		CN plug	China						99478902
		AUS	Australia						97775327
		No plug	UK						97775332
SOLOLIFT2 D-2		Schuko	Europe	∅22/32/36		4.2	4.8	0.022	97775318
		CN plug	China						99478914
		AUS	Australia						97775328
		No plug	UK						97775333

60 Hz

Product	Mains supply	Plug	Sales region	Outlet port	Cable length	Weights		Shipping volume	Product number
						Net	Gross		
					[m]	[kg]	[kg]	[m^3]	
SOLOLIFT2 WC-1	1 × 220 V -10 % / +6 %, 60 Hz	No plug	Saudi Arabia	∅22/25/28/32/36/40	1.2	7.3	9.2	0.052	98622960
SOLOLIFT2 WC-3		No plug	Saudi Arabia	∅22/25/28/32/36/40		7.3	9.3	0.052	98622986
SOLOLIFT2 CWC-3		No plug	Saudi Arabia	∅22/25/28/32/36/40		7.1	9.0	0.046	98622987
SOLOLIFT2 C-3		No plug	Saudi Arabia	∅22/25/28/32/36/40		6.5	8.1	0.036	98622989
SOLOLIFT2 D-2		No plug	Saudi Arabia	∅22/32/36		4.2	4.8	0.022	98622990