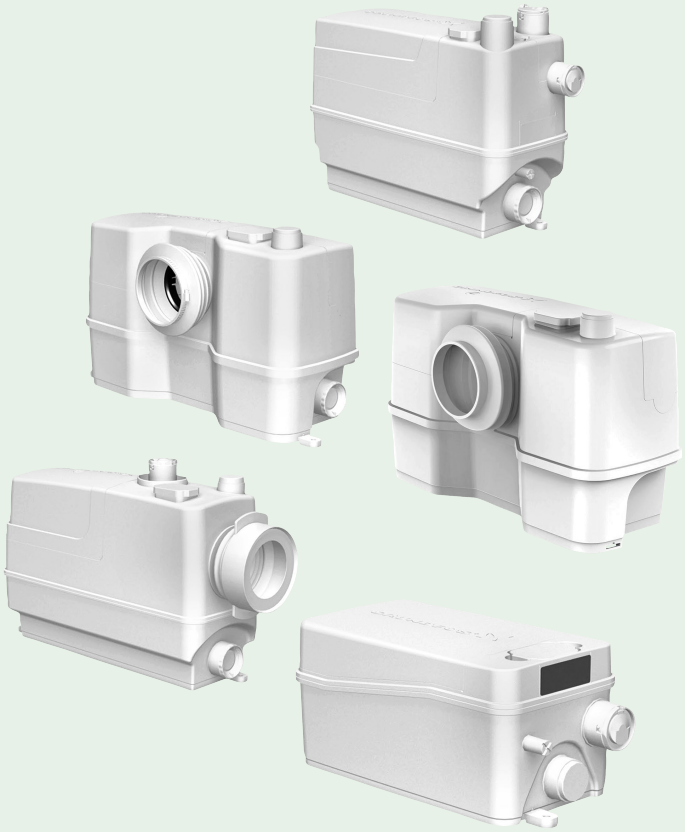
Data booklet

SOLOLIFT2

Small lifting stations

50 and 60 Hz

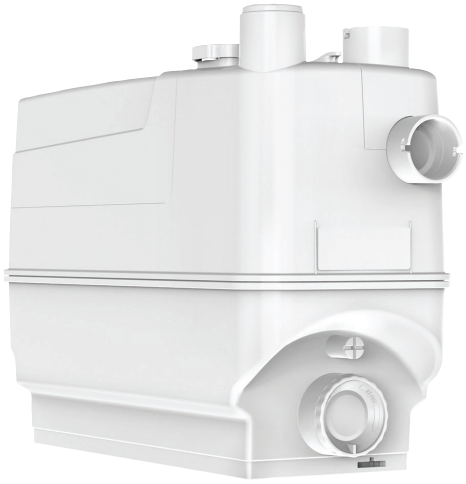


GRUNDFOS

5. SOLOLIFT2 C-3

SOLOLIFT2 C-3 is a small, compact, ready-to-install automatic lifting station. It is suitable for pumping grey wastewater without faeces from any kind of building.

The unit is designed according to EN 12050-2.



TM085237

SOLOLIFT2 C-3

5.1 Applications

SOLOLIFT2 C-3 is suitable for pumping grey wastewater from a washing machine, dishwasher, bath tub, cabinet shower, washbasin or kitchen sink. SOLOLIFT C-3 can also handle brine from water softeners. The unit is designed for front-wall installations. The professional design enables handling of wastewater at temperatures up to 75 °C during continuous operation and up to 90 °C for up to 30 minutes.

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.



TM050388

Example of application

5.2 Features and benefits

Robustness and operational reliability

- The powerful motor ensures optimum operational reliability when pumping grey wastewater at temperatures up to 90°.
- A higher grade of stainless steel components allows to discharge brine from water softeners at no additional cost.

Easy installation and replacement

- Height-adjustable outlet and inlet connections ensure easy installation and replacement.
- Two selectable levels fit any application, and the slim design enables installation in confined spaces.

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 for service.

5.8 Technical data

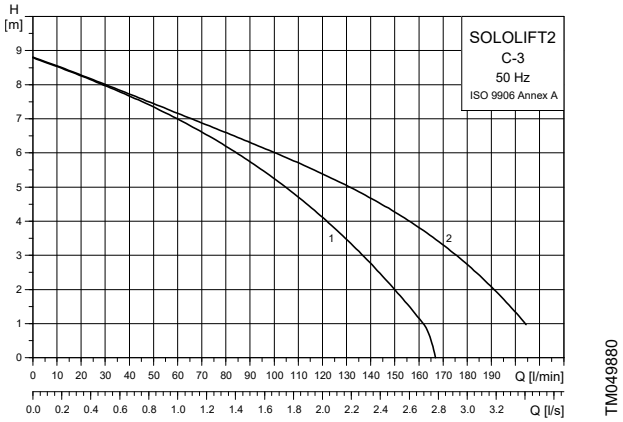
5.8.1 Mechanical data

	50 and 60 Hz
Net weight	6.6 kg
Tank volume	5.7 litres
Flexible outlet elbow	∅22/25/28/32/36/40
Dimensions of possible inlet	1 × ∅32/36/40 on the top 2 × ∅36/40/50 in the side
Start and stop levels	Start level 1: 65 mm above floor level Start level 2: 115 mm above floor level Stop level: 35 mm above floor level
pH value of the pumped liquid	4-10
Maximum liquid temperature	75 °C continuously 90 °C for 30 minutes
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)

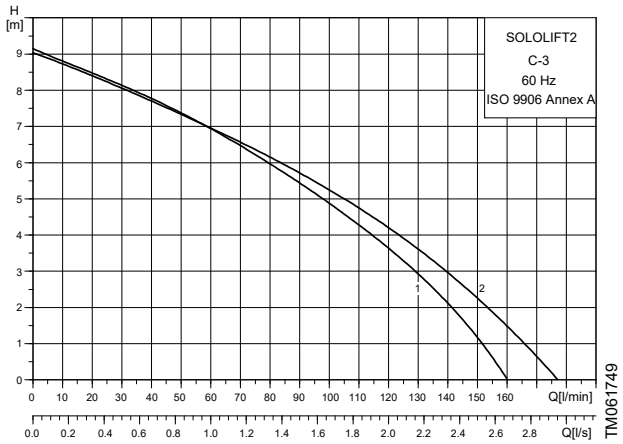
5.8.2 Electrical data

	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. 640 W	Max. 630 W
Rated current	3.1 A	3.1 A
Power factor, cos φ	0.66 / 0.90	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)

5.8.3 Performance



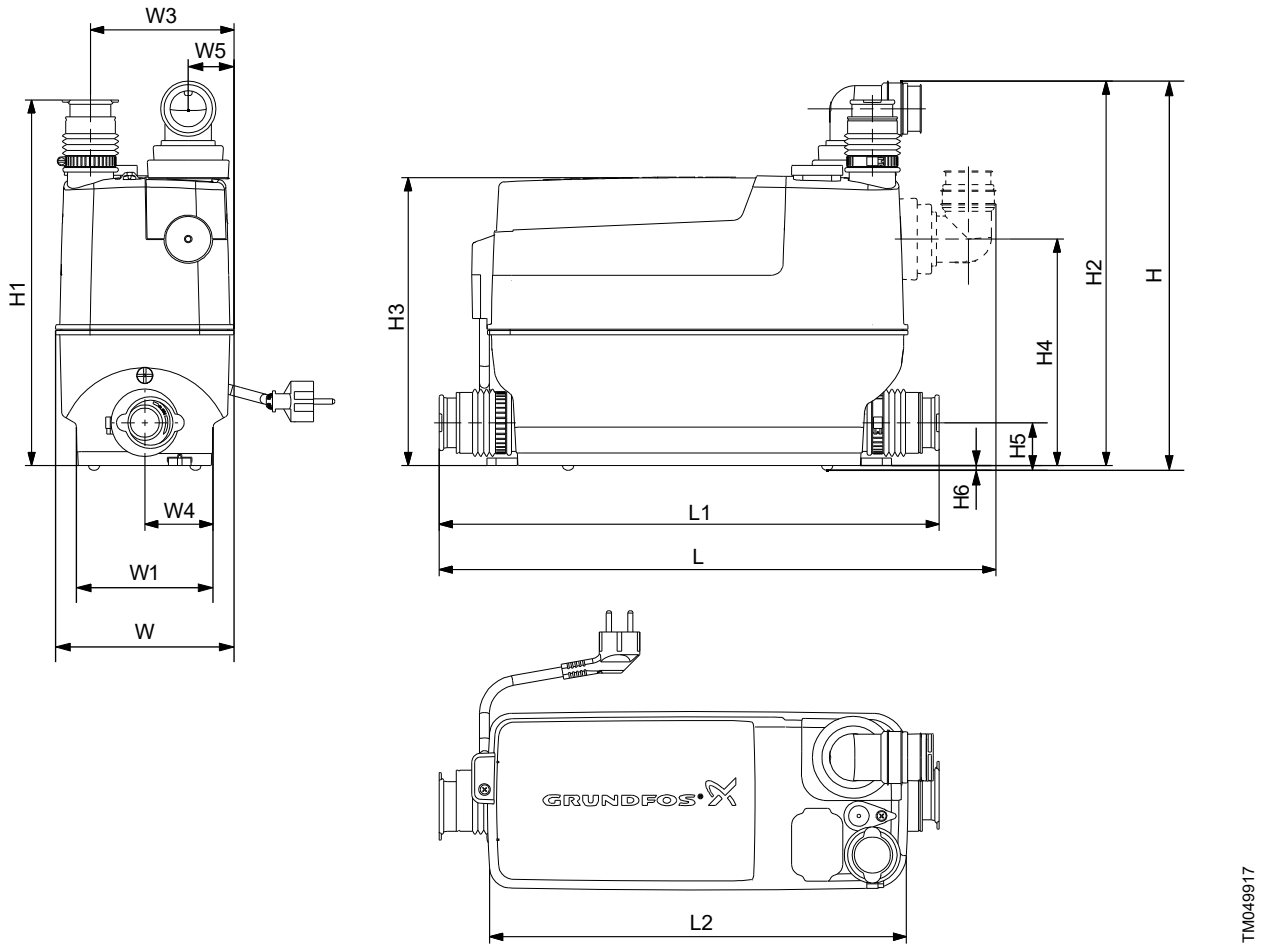
Performance curves for SOLOLIFT2 C-3, 50 Hz



Performance curves for SOLOLIFT2 C-3, 60 Hz

Pos.	Description
1	Horizontal outlet
2	Vertical outlet

5.8.4 Dimensions



Dimensional drawings, SOLOLIFT2 C-3

Pump type	Dimensions[mm]																Weights[kg]
	L	L1	L2	W	W1	W3	W4	W5	H	H1	H2	H3	H4	H5	H6	Connection[mm]	
SOLOLIFT2 C-3	493	441	375	158	120	127	60	41	344	325	317	259	201	38	4	32/36/40, 36/40/50	9.3

Pipe diameter	Type	A [mm]		B [mm]	
		Min.	Max.	Min.	Max.
∅36/40	Eccentric	33	43	56	66
∅50	Centric	38		61	

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