

Zehnder LPID100



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The Zehnder LPID100 is a low profile induct 100mm fan. It is ideal for residential applications where the habitable rooms are at risk of overheating, or require purge ventilation due to sealed windows on noise sensitive sites or within a AQMA (Air Quality Management Area).

Key Features

- Designed to fit within a ceiling void, cupboard or loft space.
- 100% variable speed control via optional SDC1 controller.
- High speed only using switching by others without the need for SDC1 controller.
- Can be installed in any orientation, horizontal, vertical, on floor, wall or ceiling.
- 4 air changes an hour for rooms up to 15m² per fan, large rooms can use multiple fans wired in parallel.

Article Numbers

Description

Product Code

Fan

Low profile Induct fan, 100mm

LPID100

Controller

Superduct controller, 1.5 amp

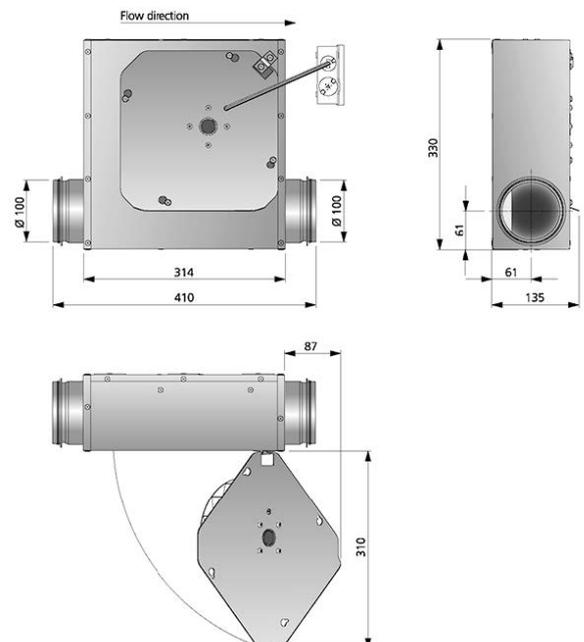
SDC1

Technical Specification

Weight	4.9kg
Ducting ø	100mm
Materials	Galvanised Sheet Steel
Supply Voltage	230V / single-phase / 50Hz
Maximum power consumption	58W
Current Draw	0.25A
Fuse rating	3 amp
Max Operating temperature	80 °C
Temp IP Rating	IP44

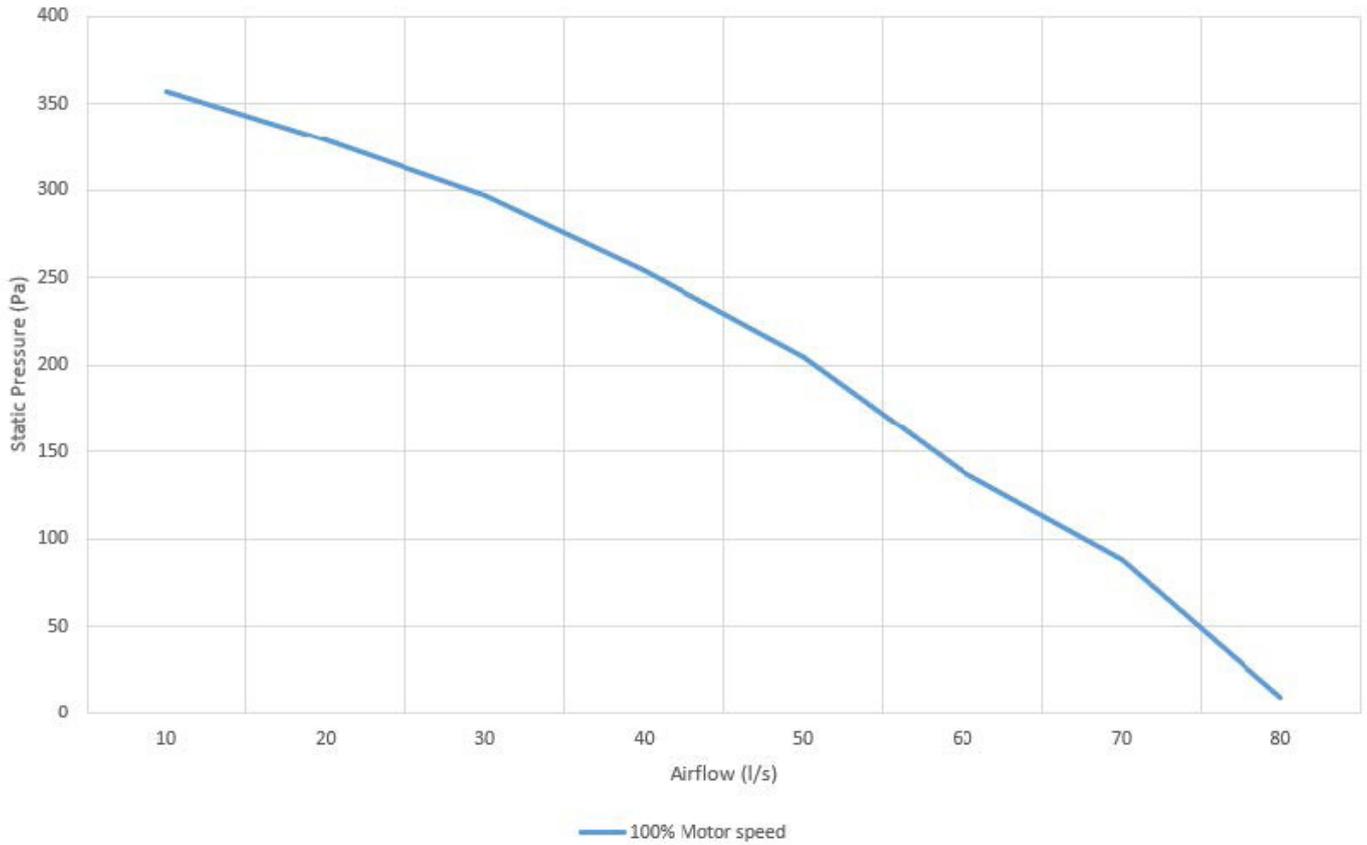
Dimensions

Height	135mm
Width	410mm
Depth	330mm



*Access for maintenance hatch circa 450x330mm

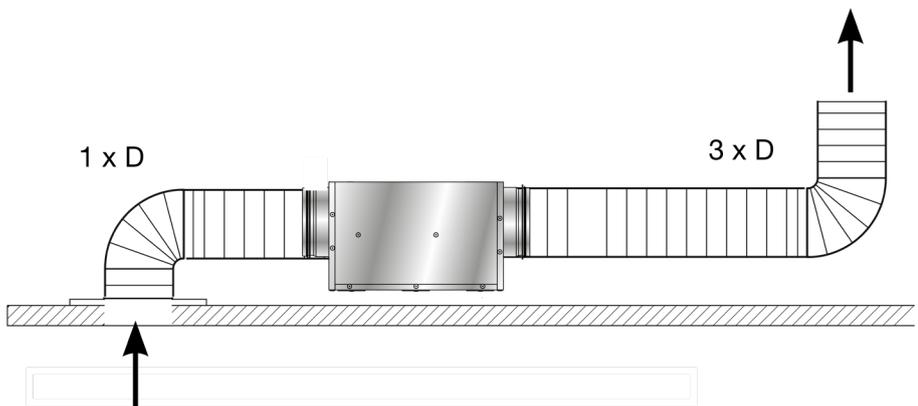
Pressure Curve



Sound Data

Speed	Test area	Octave Band (Hz) Sound Power Level, dB								dB(A) @ 3m
		63	125	250	500	1000	2000	4000	8000	
Max	Inlet	80.2	76.1	71.6	66.2	57	53.8	48	45.1	
	Outlet	82.2	82.1	71.6	68.2	63	57.8	52	48.1	
	Environment	60.2	53.1	57.6	51.2	44	39.8	35	33.1	35.32

Air Direction/Connection

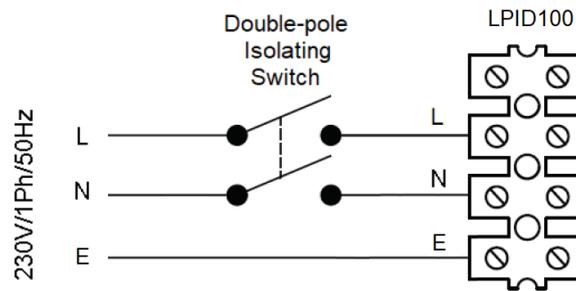


Arrow on the unit denotes airflow direction.

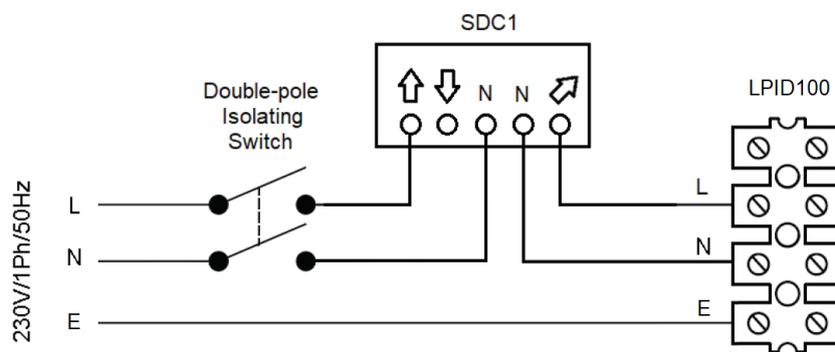
Ensure bends are 1 x Diameter away from the unit on air entering the unit and 3 x Diameter on air exiting the unit. It is recommended acoustic matting it used to limit vibration transfer.

Wiring

High speed activation



Variable speed activation via SDC1



For use with

Our range of acoustic trickle vents



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SDC1



The SDC1 is a variable speed controller designed for use with the AID100, LPID100 or SD fan range.

Key Benefits

- 4 separate ventilation flow rate options to select in 1 controller

Technical Specification

Mounting options	Supply	Recessed / Surface
Voltage	Mains power - 230V / single-phase / 50Hz	
IP rating	IP44 / IP54	

Dimensions (recessed)

Height	89mm
Width	82mm
Depth	24mm

Dimensions (surface mounted)

Height	82mm
Width	82mm
Depth	65mm

Description

Suitable for use with units:

Acoustic Induct fan, 100mm	AID100
Superduct centrifugal induct fan, ø 100mm	SD100
Superduct centrifugal induct fan, ø 150mm	SD150
Superduct centrifugal induct fan, ø 200mm	SD200
Low profile Induct fan, 100mm	LPID100

Product Code

Article

SDC1

Consultant specification

Specification

The unit shall have single-phase motor with low energy demands on the ball bearings. It shall have overheat protection using the built-in thermal switches and be IPX4 rated. The fan shall offer one fixed speed with an option to be 100% variable using additional controller.

It shall have versatile mounting options in any orientation and be for use in a temperatures not exceeding 80°C.

The components shall be manufactured by Zehnder.