

# Line Plast

Hooded  
Fan for  
Ducted  
exhaust

## Description

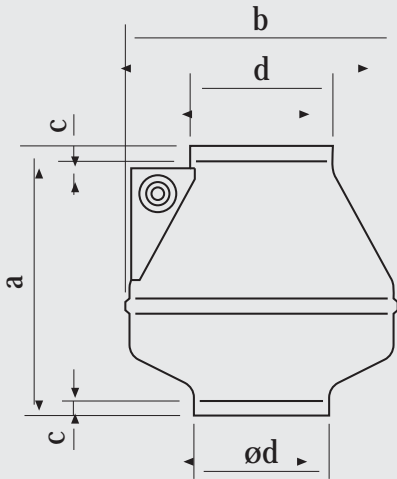
**Line Plast** is a centrifugal fan designed to overcome strong aerodynamic resistance.

The ability to be installed in line with the duct either in a horizontal or vertical position as well as facilitating installation, this makes it ideal for kitchen hoods. The type of plastic used in the construction and the quality of the components gives the fan its robustness and pleasing appearance.



# Model

**Line Plast** Basic model (with protective grid on inlet).



# Construction

- 3 V2 self-extinguishing plastic structure
- 3 High efficiency propeller-centrifugal rotor.
- 3 Class B Induction motor with thermal cutout and permanently lubricated bearings.
- 3 230 V AC 50 Hz supply.
- 3 Housing carries external contacts (for simple electrical connection) with IP54 protection.
- 3 Protective grid on inlet.
- 3 Operates in max. ambient air temperature of 40°C.
- 3 Double insulated.
- 3 Meets standard CEI 61-28 / IEC 342-1

# Accessories

- 3 Speed controller (RVS).
- 3 Clips (CO).
- 3 Gravity shutter (SP).
- 3 Wall mounting kit (ST).
- 3 Air quality sensor (AQS).
- 3 Hygrostat (IGR).
- 3 Infra red detector (RIP).

## TECHNICAL DATA AND DIMENSIONS

Type	Max capacity (m <sup>3</sup> /h)	Max pressure (Pa)	Power (W)	Noise level at 3m Db (A)	a	b	c	Dia. d	kg
Line Plast 100	200	280	55	50	238	212	25	98	1,6
Line Plast 125	275	270	55	51	238	212	25	123	1,8

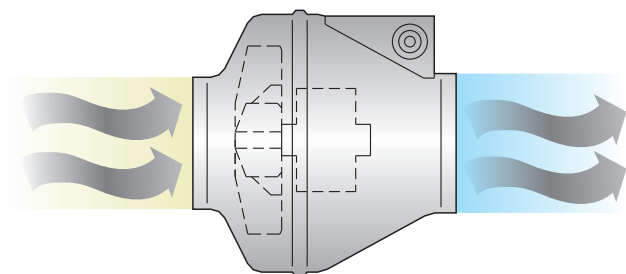
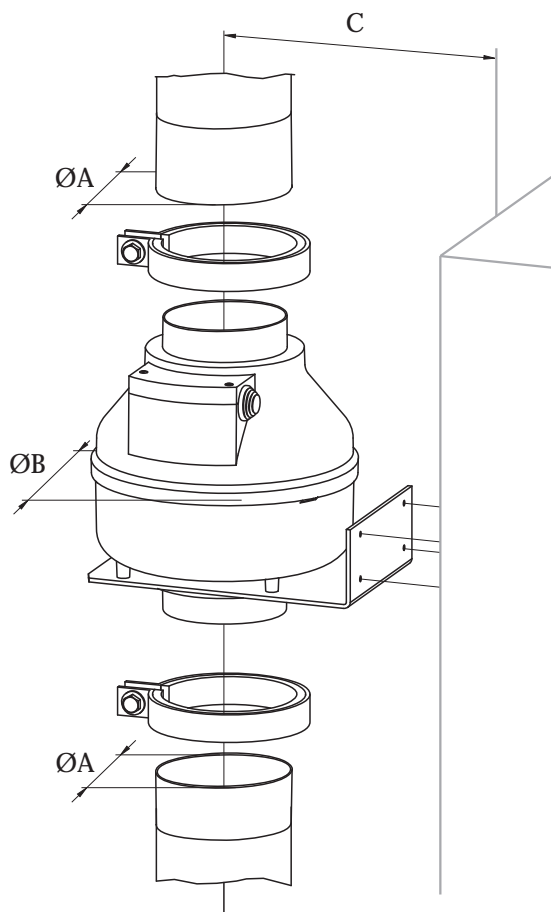
Dimensions in mm


## ACCESSORIES AVAILABLE

Model	RVS	IGR	AQS	RIP	SP	CO	ST
Line Plast 100	4	4	4	4	4	4	4
Line Plast 125	4	4	4	4	4	4	4

# Installation

Model	100	125
ØA	100	125
ØB	212	212
ØC	110	110

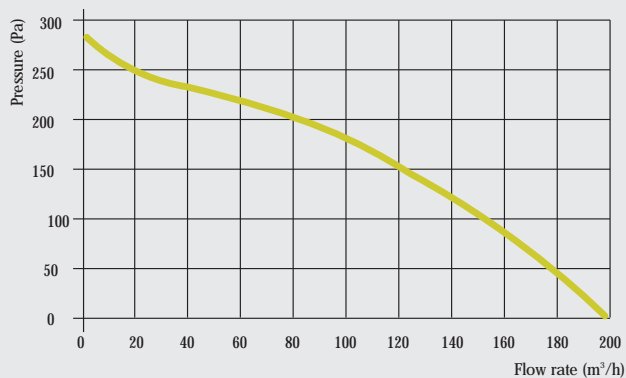


 For either vertical or horizontal mounting

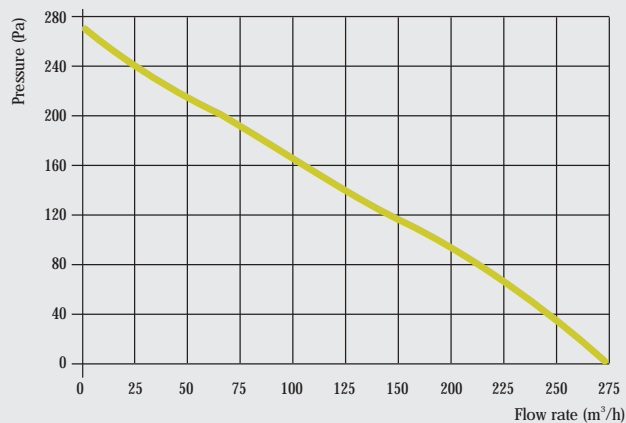
# Performance

## Line Plast 100

Dimensions in mm



## Line Plast 125



# LEGENDS



electrically double insulated  
(earth connection not required)



protected against rain



protected against water splashing

# UNITS OF MEASUREMENT

Supply voltage	V (Volts)	Dimensions	mm (millimetres)
Power	W (Watts)	Pressure	Pa (pascals)
Power	HP (Horse power)	Pressure	mm H <sub>2</sub> O (millimetres of water)
Power	kW (kilowatts)	Pressure	in. W.G. (inches of water)
Frequency	Hz (hertz)	Volume flow rate	m <sup>3</sup> /s (cubic metres per second)
Current	A (ampere)	Volume flow rate	m <sup>3</sup> /h (cubic metres per hour)
Weight	Kg (kilograms)	Volume flow rate	cfm (cubic feet per minute)
Noise level	Lp dB (sound pressure level expressed in decibels in network with weighting A)		

# CONVERSION FACTORS

## Power

	W	kW	HP
W	1	0,001	0,00136
kW	1,000	1	1,36
H	735,5	0,7355	1

## Pressure

	Pa	mmH <sub>2</sub> O	in.WG
Pa	1	0,101972	0,00401
mmH <sub>2</sub> O	9,807	1	0,0394
in.WG	249,09	25,4	1

## Flow rate

	m <sup>3</sup> /s	m <sup>3</sup> /h	cfm
m <sup>3</sup> /s	1	3600	2118,88
m <sup>3</sup> /h	0,0002778	1	0,5886
cfm	0,0004719	1,6990	1