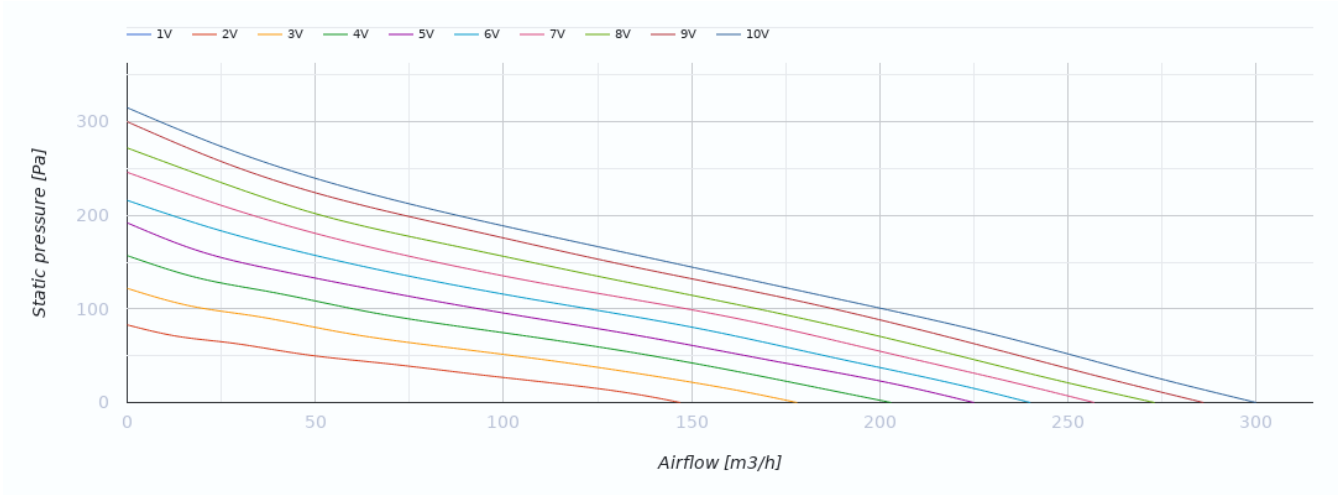


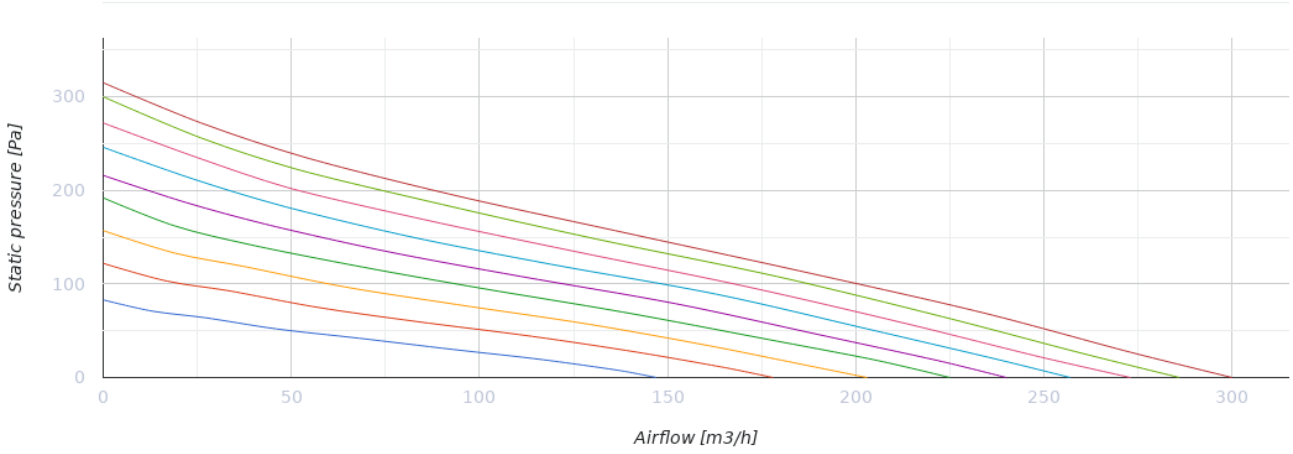
Iso-Mix EC 100 FR1

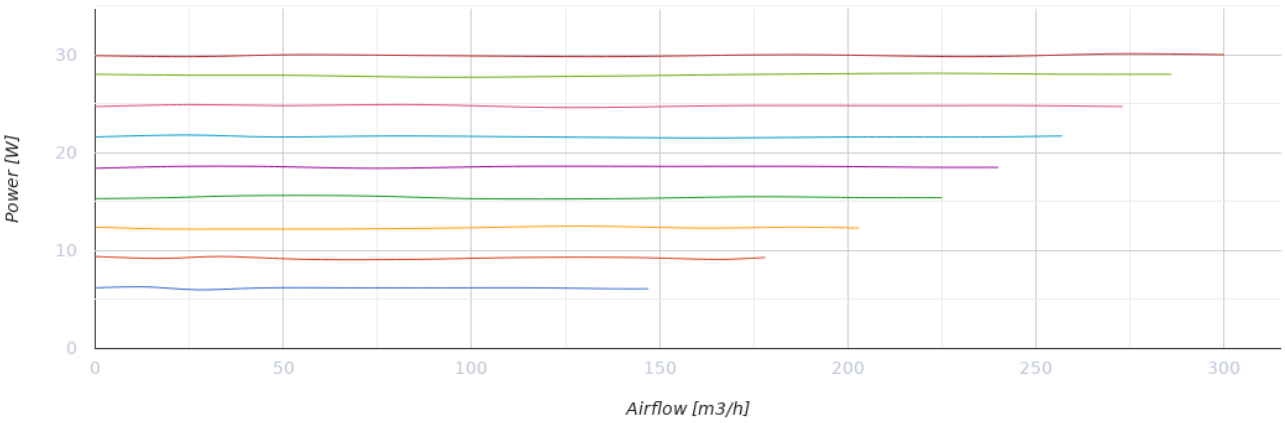
Mixed-flow inline fans in sound-insulated casings with EC-motors

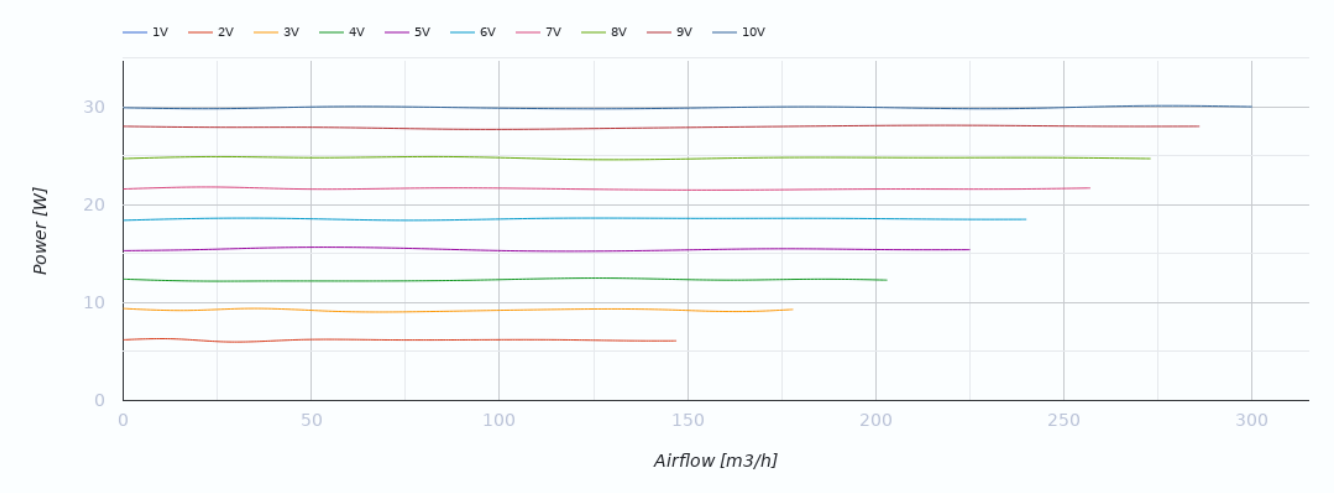
- Sound-insulated casing
- Control: Built-in speed controller
- Impeller type: Mixed-flow
- Casing material: Coated steel
- Installation in any position
- Cable with mains plug

	Unit of measurement	Iso-Mix EC 100 FR1
Phases	-	1
Maximum supply voltage	V	230
Minimum supply voltage	V	230
Power supply frequency	Hz	50/60
Maximum airflow	m³/h	260
Weight	kg	4.9
Transported air temperature (max)	°C	55
Transported air temperature (min)	°C	-25
Ingress protection rating	-	IPX4
Impeller material	-	Plastic


1V
2V
3V
4V
5V
6V
7V
8V
9V
10V
Static pressure [Pa]
0
100
200
300
0
50
100
150
200
250
300
Airflow [m3/h]

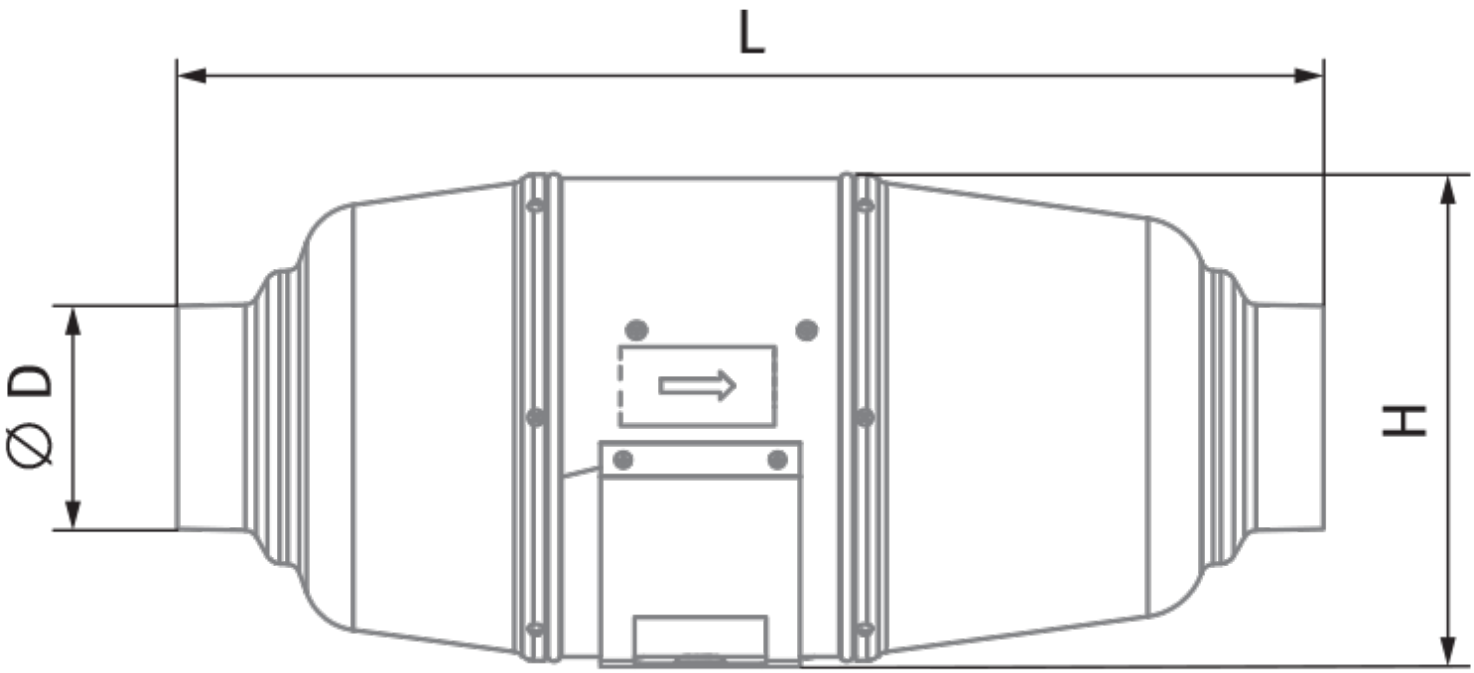

Static pressure [Pa]
0
100
200
300
0
50
100
150
200
250
300
Airflow [m3/h]

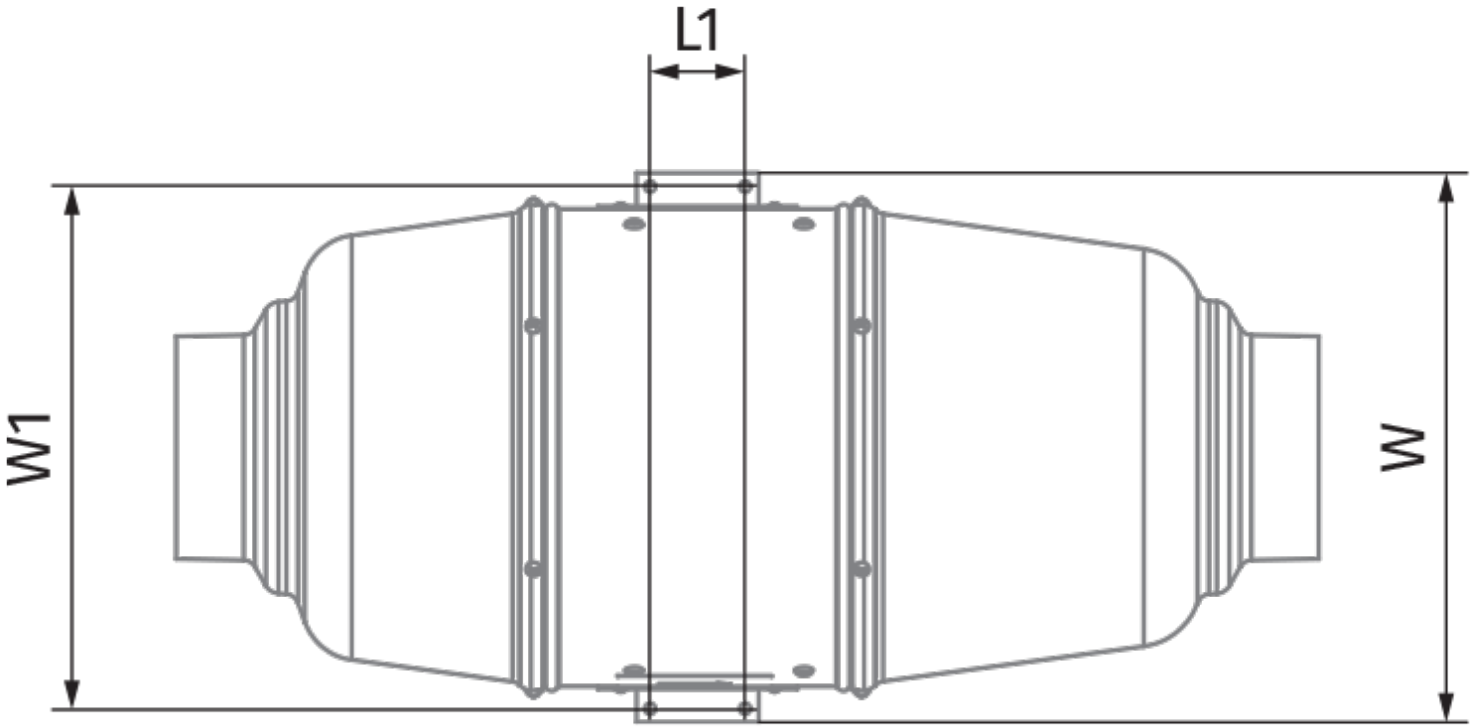

Power [W]
0
10
20
30
0
50
100
150
200
250
300
Airflow [m3/h]



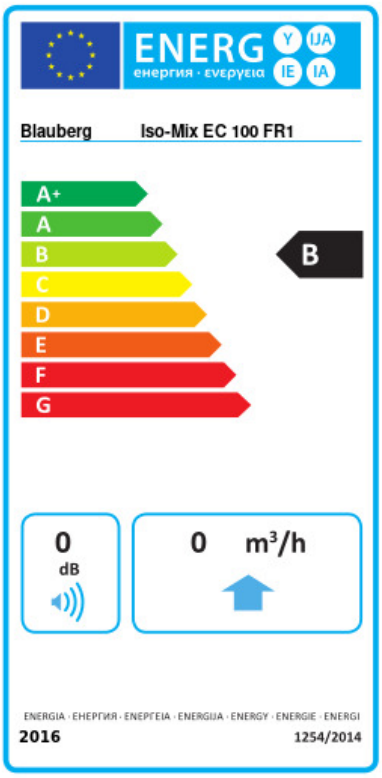
Dimensions

ØD	H	L	L1	W	W1
98	220	505	42	243	231


L
⌀ D
H


L1
W1
W

Ecodesign



Trademark	Blauberg					
Model	Iso-Mix EC 100 FR1					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-53.9	A+	-26.9	B	-11.4	E
Type of ventilation unit	Unidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	None					
Maximum flow rate (m³/h)	200					
Electric power input (W)	30					
Reference flow rate (m³/s)	0.039					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.109					
Control typology	Local demand control					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	57					
Declared typology	RVU UVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	58		58		58	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	5536		2830		1280	

Accessories

EC motors regulators

Name	Photo	Description
CDT E/0-10		Speed control for EC motors