



TD-SILENT ECOWATT

5211006200 - TD-350/100-125 SILENT ECOWATT (230V 50/60) RE - IN-LINE DUCT FANS



Low profile "Mixed-flow" fans (models from 350 to 1000) with sound-absorbent insulation, extremely quiet, fan casing manufactured in plastic material, with a specially designed internal skin to direct the sound waves at the right angle for them to be captured by sound-absorbent material, fitted with flexible rubber seals on the inlet and outlet to absorb vibrations, with an external connection box, a body that can be removed without dismantling the adjacent ducting and therefore facilitating any installation or maintenance. Brushless EC motor, high efficiency and low consumption, suitable for single phase supply 230V±15%/50-60Hz, IP44, class B, thermal overload protection. Fan speed 100% adjustable with the potentiometer placed in the connection box or with an external control type REB-ECOWATT. Analogue input with terminals in the terminal box to control the fan with 0-10V input signal. Models are suitable for mounting in any orientation and operation within ambient air temperatures between -20°C up to +40°C. Suitable for any kind of ventilation application where the noise level of the ventilation system is of particular importance and, due to continuous operation, a significant energy saving is desirable. It is also suitable for applications that require a Demand Controlled Ventilation System involving the use of other sensors or controls. Brand S&P model TD-350/100-125 SILENT ECOWATT (230V 50/60) RE.

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Theoretical Working Point

Airflow	-
Static Pressure	0,000 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m ³
Frequency	50/60 Hz
Voltage	1-230V-50Hz

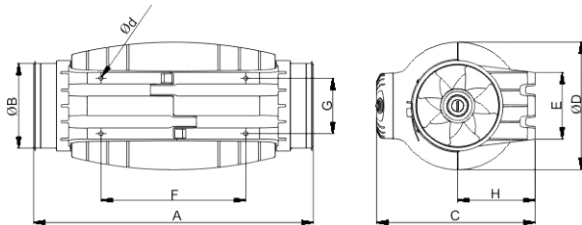
Construction

Discharge diameter	125 mm
Fan size	125
Weight	5,00 kg

Motor Characteristics

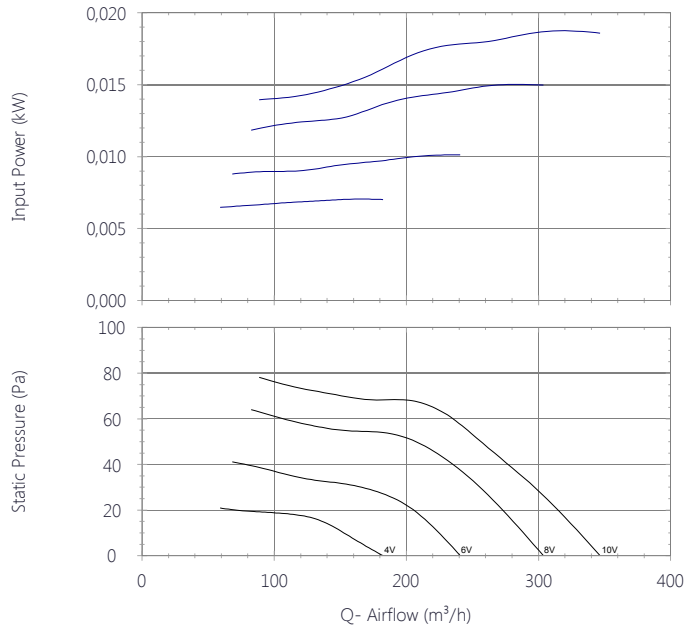
Voltage	1-230V-50Hz
Maximum absorbed current	0,1 A
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E	F	G	H	d
462	123	252	204	100	250	83	121	5.4

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	19	26	42	54	50	44	37	30	56
Inlet LpA @ 1m	8	15	31	43	39	33	26	19	45
Outlet (LwA)	33	31	41	52	50	44	37	29	55
Outlet LpA @ 1m	22	20	30	41	39	33	26	18	44
Breakout (LwA)	17	25	38	48	42	35	28	19	50
Breakout LpA @ 1m	6	14	27	37	31	24	17	8	39

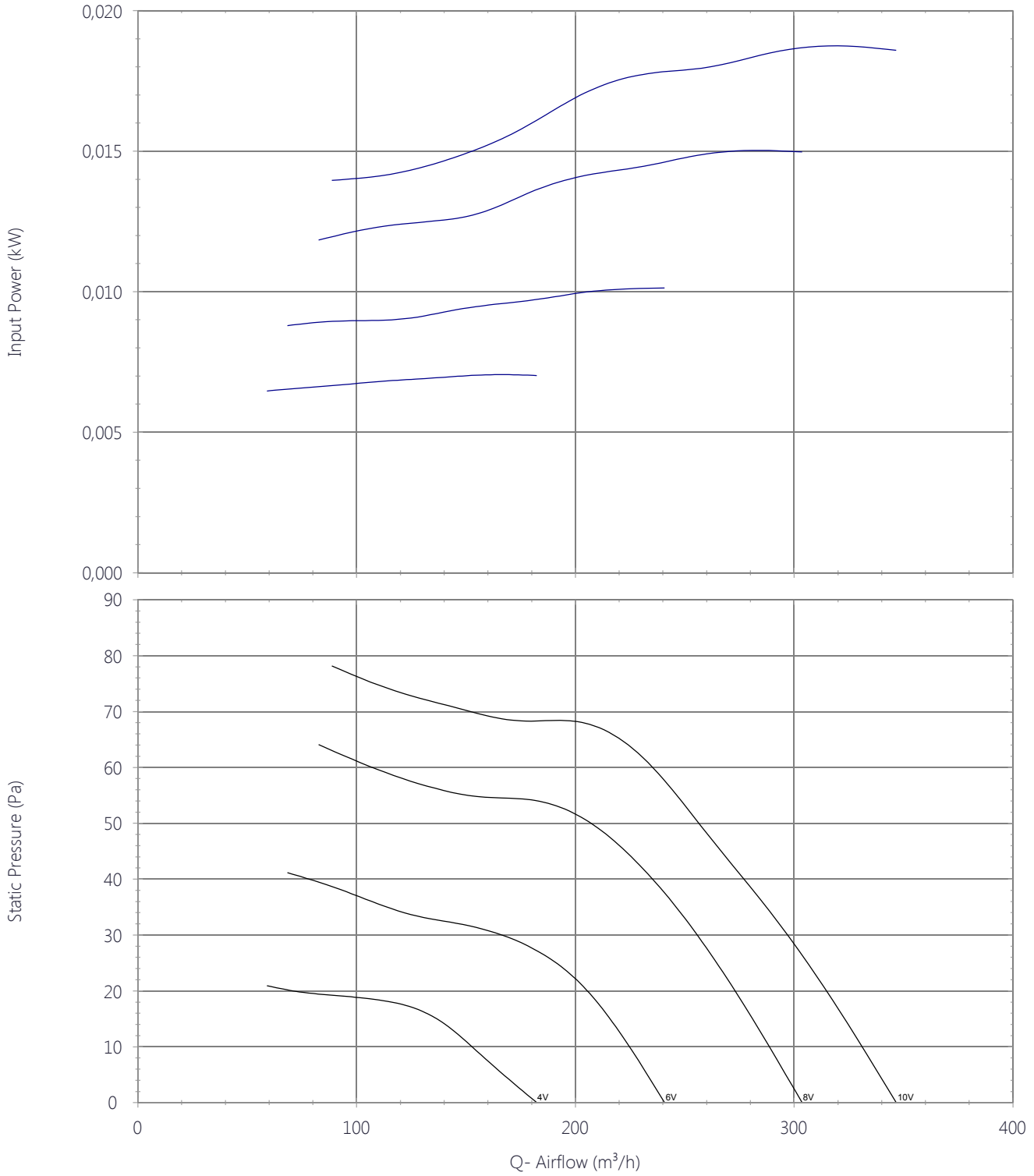




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Performance Chart

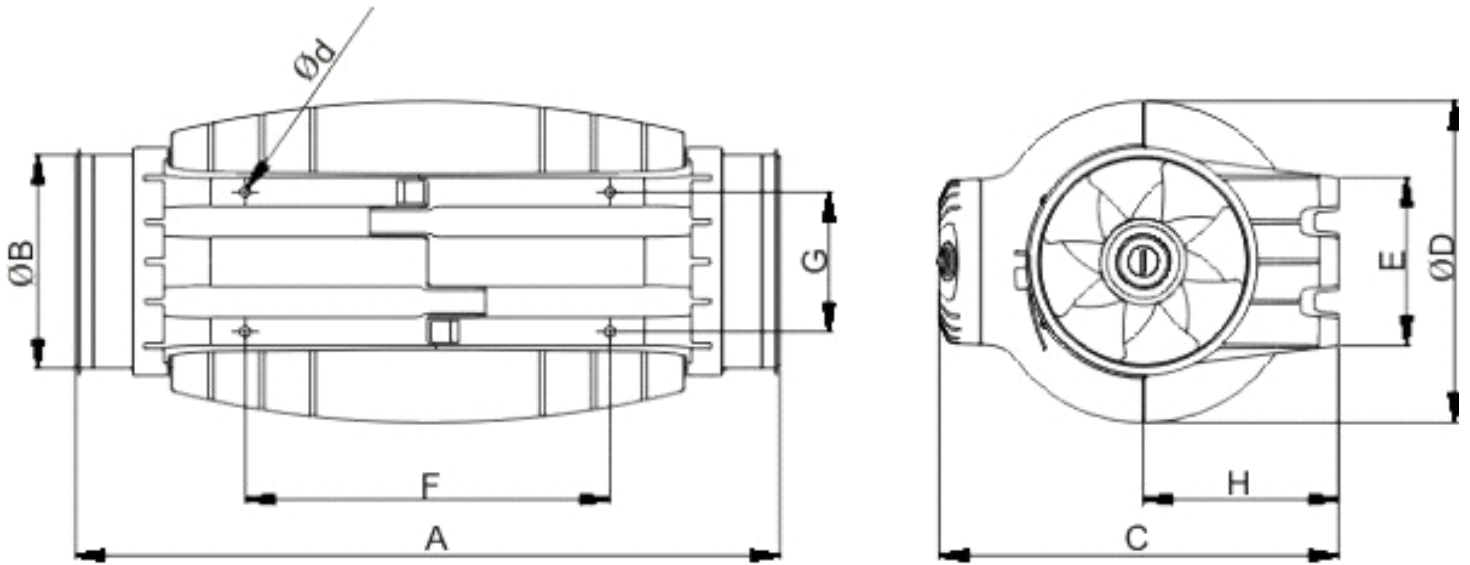




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Drawing



A	B	C	D	E	F	G	H	d
462	123	252	204	100	250	83	121	5.4

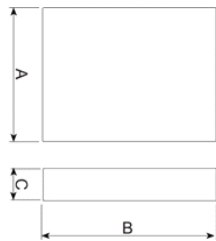
Accessories

5401613800 - CONTROL ECOWATT AC/DC (90-260Vac 50y60HZ)



Control element for demand controlled ventilation systems in public, commercial residential building it automatically modifies the fan speed to adapt it to the needs defined in the system, measured with sensors. It has three basic modes of operation: 1. Integral proportional control at constant pressure. 2. Proportional control with maximum demand criteria with multiple sensor input: temperature, CO2 and relative humidity. 3. Minimum-maximum control with three-sensor input: CO2, temperature, relative humidity or presence detectors (PIR). DC signal output of 1 to 10 V or signal output for AC voltage variation for single phase motors at 230 V. ECOWATT C CONTROL: for single phase ventilation units. ECOWATT C CONTROL: for DC ventilation units . Power supply:- AC model: 1~230 V. - DC model: 1~230 V or 24 VDC..

Dimensions



H	B	T
220	165	110

5401637300 - CONTROL ECOWATT BASIC

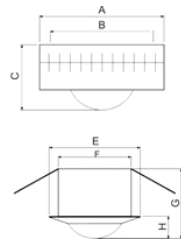


5416730700 - CPFL-E

Presence detector for ceiling mount, sensitive to infrared radiation emitted by bodies in movement, with a 360° detecting angle. Power supply: 1-230 V.CPFL-E: Flush mount model.



Dimensions



A	B	C	E	F	G	H
105	87	55	90	72	69	22



TD-SILENT ECOWATT

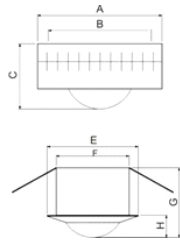
5211006200 - TD-350/100-125 SILENT ECOWATT (230V 50/60) RE - IN-LINE DUCT FANS

5416730600 - CPFL-S

Presence detector for ceiling mount, sensitive to infrared radiation emitted by bodies in movement, with a 360° detecting angle. Power supply: 1-230 V. CPFL-S: Surface model.



Dimensions



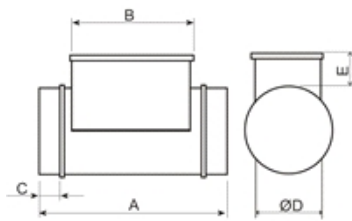
A	B	C	E	F	G	H
105	87	55	90	72	69	22

5211781200 - MBE-125/04B-R 1/230V

Electric Heater Battery



Dimensions



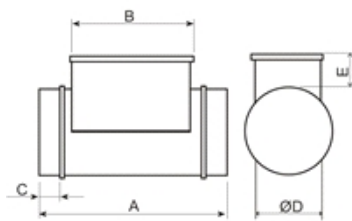
A	B	C	D	E
400	285	50	125	105

5211781300 - MBE-125/08B-R 1/230V

Electric Heater Battery



Dimensions



A	B	C	D	E
400	285	50	125	105



TD-SILENT ECOWATT

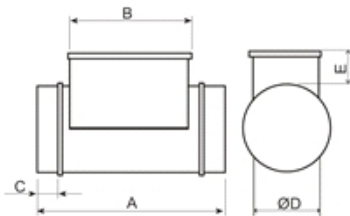
5211006200 - TD-350/100-125 SILENT ECOWATT (230V 50/60) RE - IN-LINE DUCT FANS

5211781400 - MBE-125/12B-R 1/230V



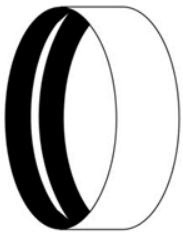
Electric Heater Battery

Dimensions



A	B	C	D	E
400	285	50	125	105

5418062700 - MBR-250-350 S



CIRCULAR CONNECTION FLANGE

Dimensions



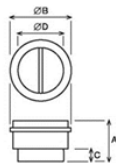
D
125

5418062200 - MCA-350 S



Circular back draft shutter

Dimensions



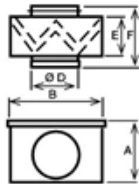
A	B	C	D
107	136	31.5	119.5

5416591500 - MFL-125 G4



MFL filtration boxes are of G4 grade filtration and are designed for direct connection with standard circular ducting. The MFL-G4 filtration boxes are supplied with a cover easily removable to replace the filter.

Dimensions



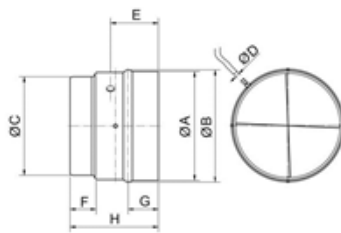
A	B	D	E	d
206	229	125	154	218

5418061700 - MPC-350 S



Flow detectors designed to correctly measure pressures at the inlet of series TD devices with airflow straightener.

Dimensions



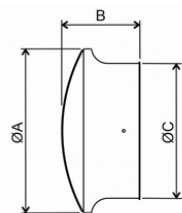
A	B	C	D	E	F	G	H
136	132	120	6	58	32	37	107

5418061100 - MRJ-250-350 S



Circular wire guard

Dimensions



B	DI	NW	L
146	123	125	80



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5401304100 - REB-CVF (0-10V)

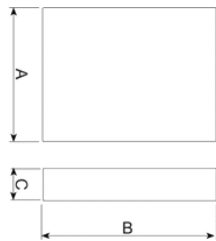


5401304000 - REB-ECOWATT (0-10V)

Electronic voltage regulator



Dimensions



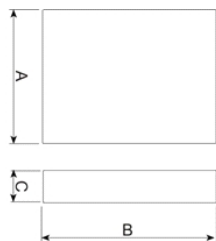
B	H	T
80	80	68

5416731100 - SCHT-AD

SCHT-AD: Ambient CO2 sensor, temperature and relative humidity with display.



Dimensions



A	B	C
85	26	100



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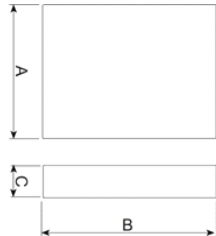


5416730800 - SCO2-A



SCO2-A: Ambient CO2 and temperature sensor.

Dimensions



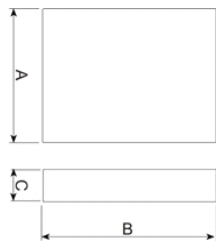
A	B	C
85	26	100

5401221000 - SCO2-A 0/10V



SCO2-A: Ambient CO2 and temperature sensor.

Dimensions



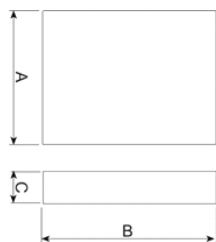
B	H	T
11	130	65

5416730900 - SCO2-AD



SCO2-AD: Ambient CO2 and temperature sensor with display.

Dimensions



B	H	T
11	130	65



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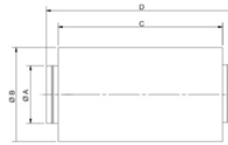
5211809800 - SIL-125

Silencer to be installed either at the inlet or outlet of the fan.



Corrections							
63	125	250	500	1k	2k	4k	8k
-1	-3	-9	-20	-28	-35	-28	-13

Dimensions



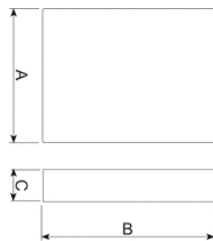
A	B	C	D
125	225	600	700

5416731400 - TDP-D

TDP-D: Pressure sensor, with display. Enables you to control the pressure in the fan inlet.



Dimensions



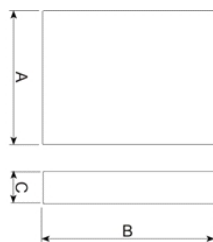
B	H	T
11	130	65

5416731300 - TDP-S

TDP-S: Pressure sensor. Enables you to control the pressure in the fan inlet.



Dimensions



A	B	C
75	80	36



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Outlet (LwA)	33	31	41	52	50	44	37	29	55
Outlet LpA @ 1m	22	20	30	41	39	33	26	18	44
Breakout (LwA)	17	25	38	48	42	35	28	19	50
Breakout LpA @ 1m	6	14	27	37	31	24	17	8	39





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ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
ProductoComercial	TD-350/100-125 SILENT ECOWATT (230V 50/60) RE
Identifier	5211006200
SEC average climate (kWh/(m2.an))	-15,41
SEC class	NA
SEC cold climate (kWh/(m2.an))	-32
SEC warm climate (kWh/(m2.an))	-6
Typology	RVU unidirectional
Type of drive	Variable speed drive
Type of HRC	None
Thermal efficiency (%)	0
Maximum flow rate (m3/h)	243
Electrical power input at maximum flow rate (W)	17,88
Sound power level (LWA)	45
Reference flow rate (m3/s)	0,0477
Reference pressure difference (Pa)	28,55
SPI (W/m3/h)	0,0557
Control factor	1
Control typology	Manual
Maximum internal leakage for BVU (%)	Not applicable
Maximum external leakage for BVU and UVU (%)	5
Mixing rate for BVU without duct connection (%)	Not applicable
Position of visual filter warning	Not applicable
description of visual filter warning	Not applicable
Instructions to install supply grilles	F&W Leaflet
Instructions to install exhaust grilles	F&W Leaflet
https://www.solerpalau.com/	
Airflow sensitivity to pressure variation	Not applicable
Indoor/outdoor air tightness (m3/h)	Not applicable
Annual electricity consumption - Average climate (kWh/a)	69,75
Annual electricity consumption - Warm climate (kWh/a)	69,75
Annual electricity consumption - Cold climate (kWh/a)	69,75
Annual heating saved - Average climate (kWh/a)	17,15
Annual heating saved - Warm climate (kWh/a)	7,76
Annual heating saved - Cold climate (kWh/a)	33,55