

TD SILENT RANGE

Shhhhhhhhhhh! Here there is silence.



New **TD Silent** range.
The world's most quiet fans in its class.

TD SILENT range: A leap in time.



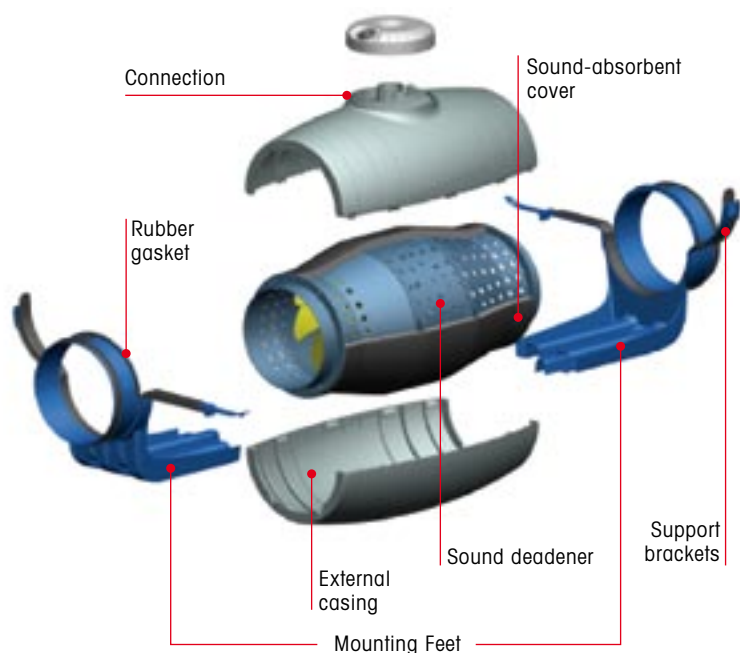
The world's most quiet fans in its class.

S&P, a world leader in ventilation, presents the world's most quiet in-line fans range in its class.

A quantum leap based on our long experience in this type of fans and hundreds of hours of research with a clear objective: **improving the quality of life** and a clear result: **up to 12 dB (A) less than our major competitors.**

Install it to your customers: simply they will forget it exists

Install quietness, install quality of life, with **TD SILENT** fans, your customers will feel the satisfaction that the ventilation system does not interfere with their daily tasks.



The **TD Silent** range is the result of a great human, technological and economic investment to offer **S&P** clients an extremely high-performance product with significant noise reduction compared to other similar products on the market.

Many hours of aerodynamic testing have enabled us, not only to reduce the noise produced, but also to ensure that the noise actually emitted is within less disturbing frequencies for the human ear, so that installations using **TD Silent** offer a greater level of comfort for the user.

State of the art technology has been used to design **TD SILENT**, both in the design software and the use of twin-material injection to achieve results that will satisfy even the most demanding professional.

Twin-material support brackets, which in addition to simplifying installation, serve as joint seals.

A layer of sound-absorbent material to deaden noise generated during normal operation of the device.



Connection box can be rotated 360°, to facilitate entry of the power cable



Twin-material support brackets, which in addition to simplifying installation, serve as joint seals.

Support bracket for installing on a wall or ceiling, incorporating twin-material support brackets for the motor section that absorb vibrations.



A specifically designed internal coating to direct the sound waves in the right angle for them to be captured by the sound-absorbent material.



Sound waves produced inside the TD, are directed through the perforated inner cover and absorbed by the layer of sound-absorbent material.



Low profile helicentrifugal fans with sound-absorbent insulation, manufactured in plastic material with an external connection box, a body that can be dismantled and an adjustable 230 V 50 Hz motor, fitted

with rubber gaskets on the inlet and outlet to absorb vibrations.

(Excepto TD-160 SILENT que incorpora el sistema de motor flotante patentado por S&P)

Easy installation



Loosen fixing clamps



Open clamps on both sides



Remove the fan body



Remove the terminal box lid.



Carry the wiring of the unit



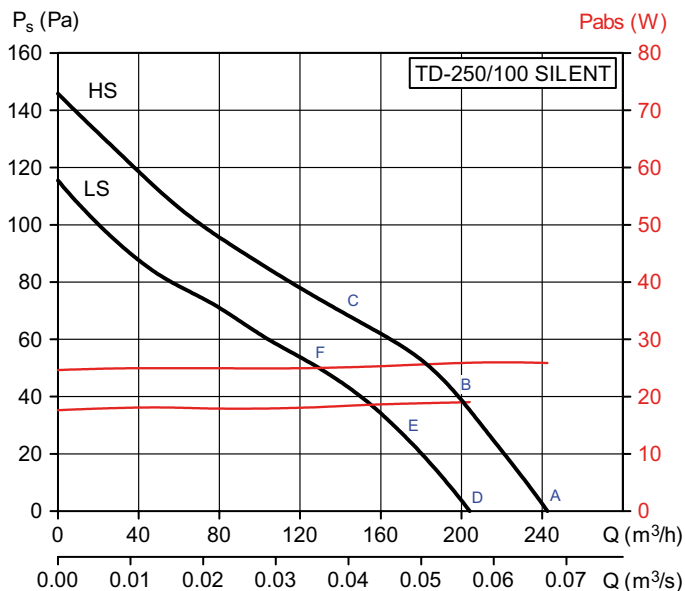
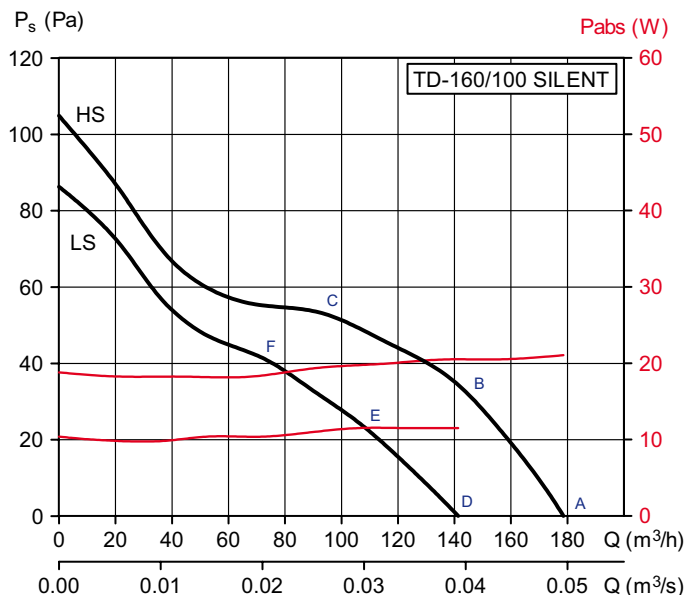
Mount the fan body again by tightening the clamps

Technical Characteristics

Model	Nom. speed r.p.m.	Maximum absorbed power at 0Pa. (W)	Maximum absorbed current (A)	Duty at free discharge (m ³ /h)	Maximum operating temp. (°C)	Sound pressure level* (dB(A))	Ø Duct (mm)
TD-160/100 N SILENT	2500 2200	20 12	0,16 0,10	180 140	40	24 21	100
TD-250/100 SILENT	2200 1850	24 18	0,11 0,10	240 180	40	24 19	100
TD-350/125 SILENT	2250 1900	30 22	0,13 0,10	380 280	40	19 19	125
TD-500/150-160 SILENT	2500 1950	50 44	0,22 0,19	580 430	60	22 17	150 /160
TD-800/200 SILENT	2780 2480	70 60	0,30 0,26	880 700	60	19 18	200
TD-1000/200 SILENT	2500 2000	120 100	0,50 0,45	1100 800	60	21 20	200

TD Silent 230V 50 Hz

- Air volume in m³/h and m³/s
- Static pressure in Pa
- Absorbed power in W
- Air flow data in accordance with the following standards: UNE 100-212-89, BS 848 Part 1, AMCA 210-85 and ASHRAE 51-1985



INLET		63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	24	32	39	46	52	49	40	31	54	34
	B	23	32	40	46	51	47	39	30	54	33
	C	23	34	43	47	51	47	39	30	54	33
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	24	24	37	34	36	41	32	21	44	24
	B	23	24	38	35	35	39	31	20	44	23
	C	23	26	41	36	35	39	31	20	44	24
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	30	34	37	48	51	47	41	31	54	33
	B	29	35	37	48	49	46	39	30	53	33
	C	28	36	39	49	50	45	39	30	54	33

INLET		63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	26	32	46	53	53	44	38	30	57	36
	B	24	36	46	53	52	44	38	30	56	36
	C	25	35	42	51	55	47	40	34	57	37
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	26	28	40	40	36	31	25	18	44	24
	B	24	32	40	40	35	31	25	18	44	24
	C	25	31	36	38	38	34	27	22	43	23
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	30	33	45	53	46	40	36	28	55	34
	B	26	35	43	52	45	40	36	28	54	33
	C	26	35	39	51	49	42	38	31	54	33

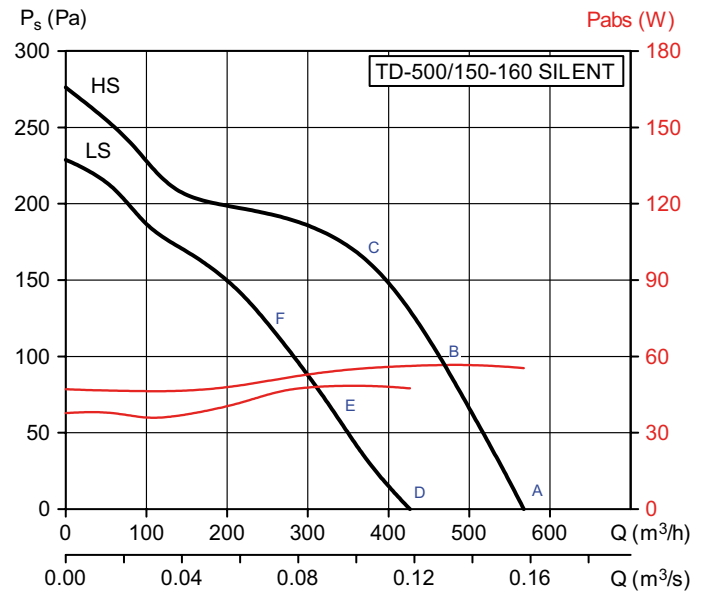
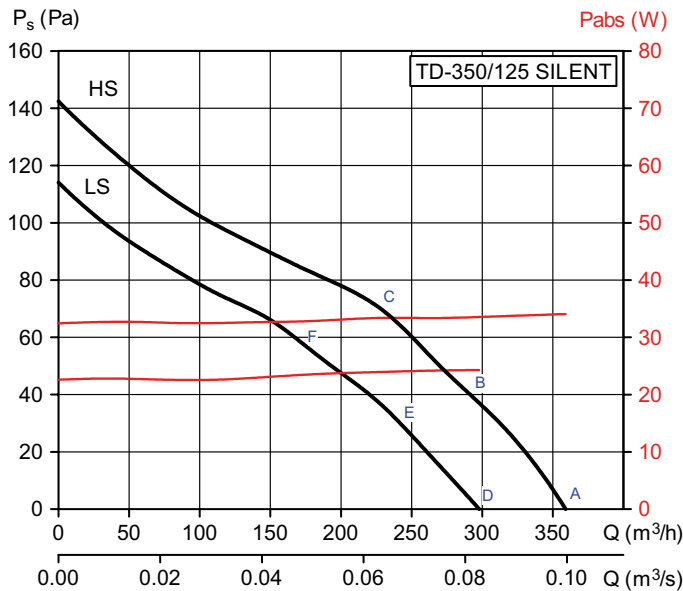
INLET		63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	23	26	37	43	49	45	36	27	51	31
	E	22	27	39	43	47	43	35	26	50	30
	F	22	29	41	44	48	44	35	27	51	31
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	23	17	35	32	33	37	28	17	41	20
	E	22	18	37	32	31	36	27	17	41	20
	F	22	21	39	33	32	36	27	17	42	22
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	29	32	34	45	48	44	37	27	51	30
	E	28	32	35	45	46	42	35	27	50	29
	F	28	33	36	46	47	42	36	27	51	30

INLET		63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	22	38	42	47	48	38	32	26	52	31
	E	23	34	43	46	48	39	32	27	51	31
	F	24	33	39	49	54	43	35	29	56	35
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	22	33	35	34	28	24	19	17	39	19
	E	23	29	36	33	28	25	19	18	39	19
	F	24	28	32	36	34	29	22	20	40	20
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	26	36	40	47	41	34	29	24	49	29
	E	25	34	41	46	42	35	31	25	49	28
	F	25	33	38	49	46	37	33	26	51	31

*Sound pressure level radiated at 3 m. in free field condition, with rigid ducts at the inlet and outlet.

TD Silent 230V 50 Hz

- Air volume in m³/h and m³/s
- Static pressure in Pa
- Absorbed power in W
- Air flow data in accordance with the following standards: UNE 100-212-89, BS 848 Part 1, AMCA 210-85 and ASHRAE 51-1985



	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	22	28	41	53	49	44	37	30	55	35
	B	22	27	39	51	49	42	37	30	54	33
	C	23	31	48	53	51	46	41	32	56	36
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	22	23	32	39	32	25	18	14	41	20
	B	22	22	30	37	32	23	18	14	39	19
HS	C	23	26	39	39	34	27	22	16	43	22
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	29	30	43	53	50	45	38	30	56	35
	B	25	27	40	50	47	40	36	29	52	32
	C	24	31	46	52	47	42	40	32	54	34

	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	24	35	51	58	57	56	51	47	63	42
	B	25	33	48	56	55	54	46	42	60	40
	C	24	33	49	57	53	52	46	40	60	39
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	12	21	42	39	37	35	23	18	45	25
	B	13	19	39	37	35	33	18	13	43	22
HS	C	12	19	40	38	33	31	18	11	43	22
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	38	38	52	60	58	53	49	43	63	43
	B	35	35	53	58	57	50	44	38	62	41
	C	30	33	50	57	56	48	42	36	60	40

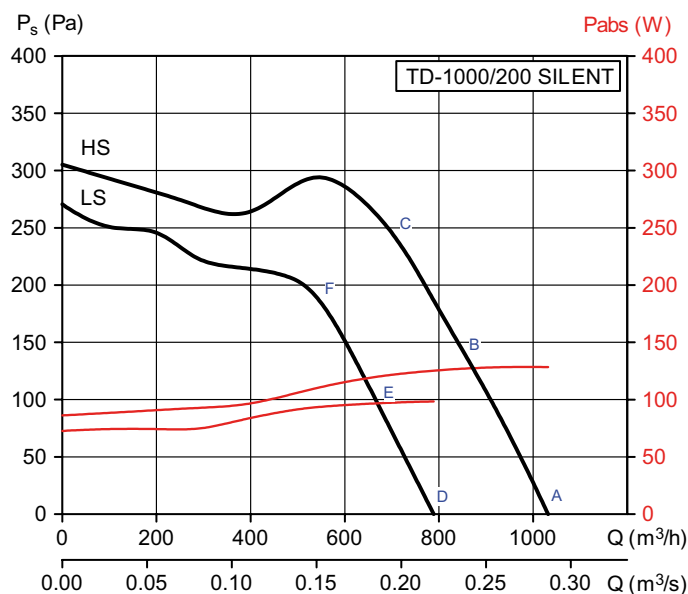
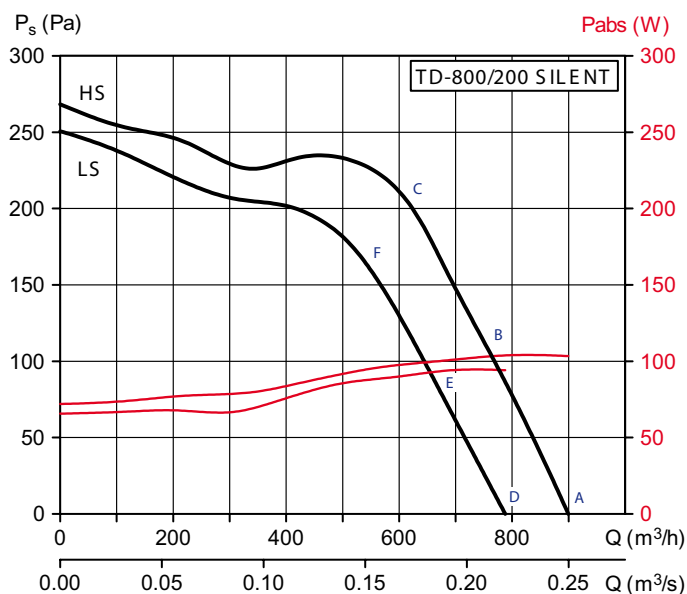
	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	21	27	42	46	51	38	31	25	53	32
	E	22	29	40	46	53	39	34	26	54	34
	F	30	33	41	51	52	46	40	33	55	35
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	18	22	34	33	34	20	13	13	39	18
	E	19	24	32	33	36	21	16	14	39	19
LS	F	27	28	33	38	35	28	22	21	41	21
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	24	27	43	45	46	38	30	25	50	29
	E	23	29	40	45	47	35	32	26	50	29
	F	29	34	41	49	46	41	38	31	52	31

	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
LS	D	28	33	46	54	53	51	45	38	58	38
	E	25	31	41	50	48	44	37	30	53	33
	F	25	37	48	56	52	49	42	35	59	38
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	23	25	34	37	38	35	26	23	43	22
	E	20	23	29	33	33	28	18	15	38	17
LS	F	20	29	36	39	37	33	23	20	43	23
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	26	33	47	53	51	47	41	33	56	36
	E	25	31	44	50	48	41	33	27	53	33
	F	26	37	50	55	50	43	37	31	57	37

*Sound pressure level radiated at 3 m. in free field condition, with rigid ducts at the inlet and outlet.

TD Silent 230V 50 Hz

- Air volume in m³/h and m³/s
- Static pressure in Pa
- Absorbed power in W
- Air flow data in accordance with the following standards: UNE 100-212-89, BS 848 Part 1, AMCA 210-85 and ASHRAE 51-1985



	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	27	40	48	57	61	61	57	50	66	45
	B	25	38	46	55	58	58	54	46	63	42
	C	23	38	47	57	59	58	53	48	64	43
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	12	31	29	35	37	36	24	18	42	21
	B	10	29	27	33	34	33	21	14	39	19
LS	C	8	29	28	35	35	33	20	16	40	19
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	49	50	51	59	62	62	59	51	67	47
	B	42	45	49	58	59	58	55	47	64	44
	C	36	42	50	58	59	57	54	47	64	43

	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	A	28	43	49	58	62	65	61	53	68	48
	B	27	42	46	56	60	61	56	49	65	45
	C	25	42	47	58	61	61	56	50	66	45
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	14	35	32	36	39	39	27	19	44	24
	B	13	34	29	34	37	35	22	15	42	21
LS	C	11	34	30	36	38	35	22	16	42	22
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	A	50	50	52	59	65	65	61	54	70	49
	B	43	46	49	58	61	60	57	50	66	45
	C	35	44	51	59	60	59	56	50	65	45

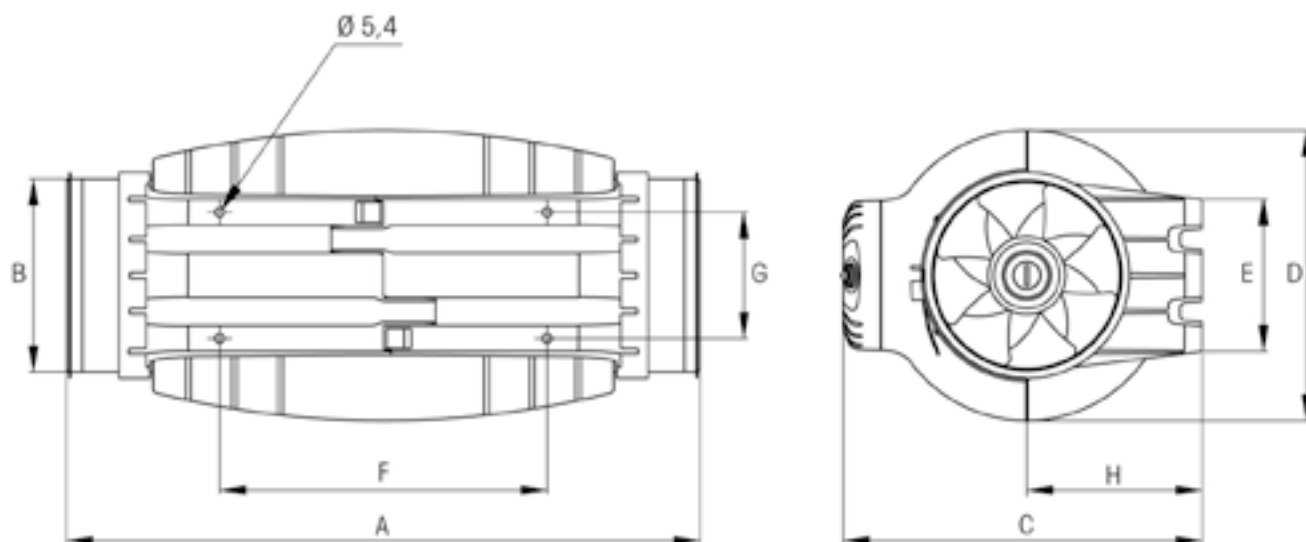
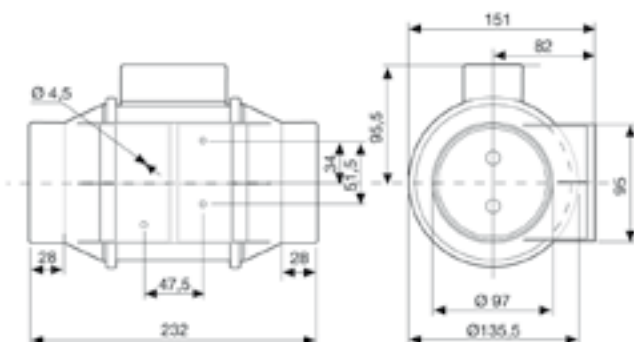
	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	D	25	37	48	55	61	57	53	46	64	43
	E	24	35	48	52	58	54	49	42	61	40
	F	29	38	51	58	58	55	50	45	63	42
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	12	26	30	34	38	33	21	15	41	20
	E	11	24	20	31	35	30	17	11	38	18
LS	F	16	27	33	37	35	31	18	14	41	20
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	45	47	52	56	59	58	54	46	64	43
	E	37	45	54	53	55	54	50	42	61	40
	F	31	44	54	57	56	53	50	43	62	41

	INLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
HS	D	27	38	48	54	61	57	53	46	64	43
	E	23	37	49	52	59	54	49	42	61	41
	F	26	39	52	57	59	56	51	45	63	43
	RADIA TED	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	14	29	32	33	40	33	21	14	42	22
	E	10	28	33	31	38	30	17	10	41	20
LS	F	13	30	36	36	38	32	19	13	42	22
	OUTLET	63	125	250	500	1.000	2.000	4.000	8.000	LwA	LpA*
	D	44	45	53	55	59	58	54	46	64	43
	E	35	41	53	52	55	54	50	41	60	40
	F	28	40	54	58	57	54	50	44	62	42

*Sound pressure level radiated at 3 m. in free field condition, with rigid ducts at the inlet and outlet.

Dimensions (mm.)

TD-160/100 N Silent

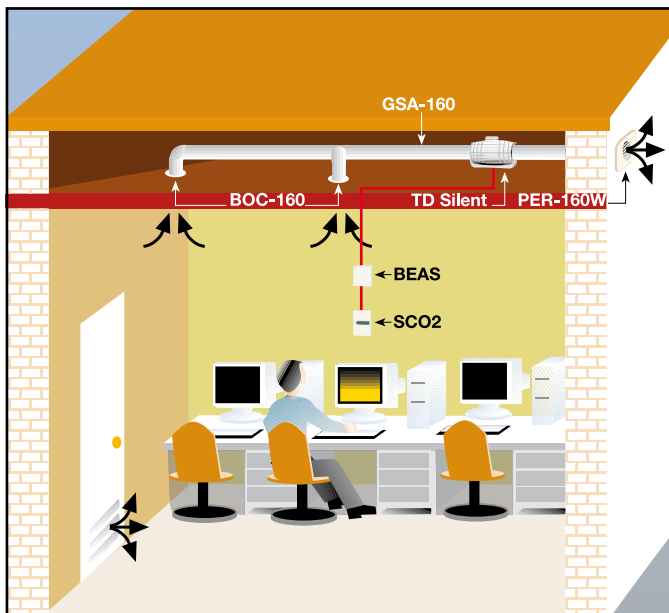
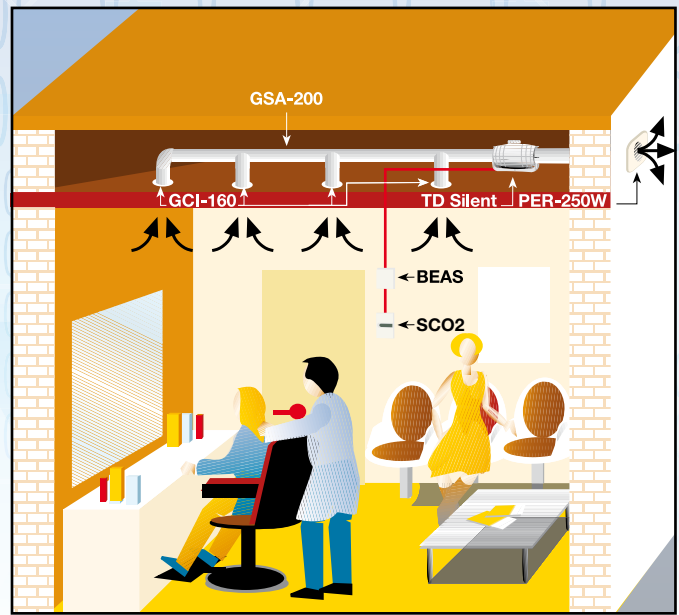
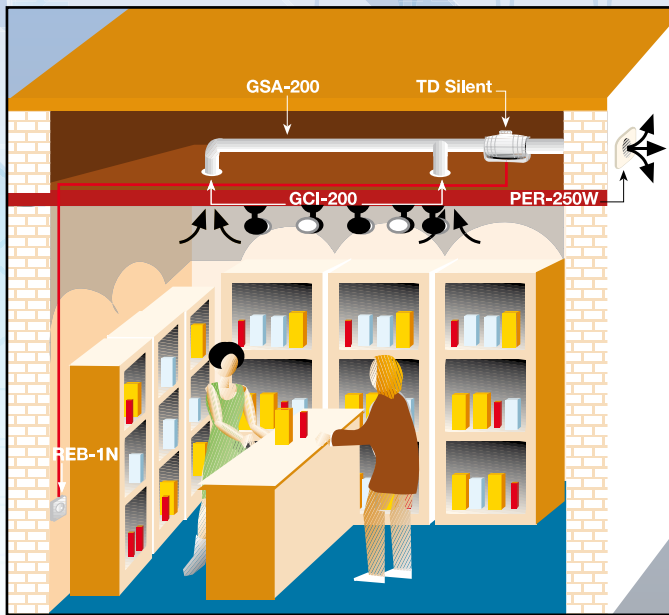


	A	B Ø	C	D Ø	E	F	G	H
TD-250/100	575	97	252	204	100	250	83	121
TD-350/125	462	123	252	204	100	250	83	121
TD-500/150-160*	484	147	274	221	116	250	96	134
TD-800/200	568	198	327	264	145	340	129	164
TD-1000/200	568	198	327	264	145	340	129	164

* Supplied with an additional rubber gasket for facilities in a 160 mm duct.

Practical examples of installing TD SILENT range

TD Silent range offers one of the most versatile fan systems on the market today. Due to its flexibility it can be used in a multitude of small or medium fan installations. Especially in places where working people and the ventilation system works for many hours, in these cases the sound level becomes an essential element for comfort.



Accessories

Mechanical accessories



MCA

Non-return flaps to be installed at the fans' discharge. They prevent heat leakages when the extractor does not work.



MAR

Rectangular Duct Adapters enable to be connected to rectangular ducting.



MRJ

Grilles mounted at the inlet or outlet of the fan, to prevent the entry of any foreign objects that could damage the fan.



MPC.

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

Electrical accessories



REGUL 2

2 speed switch



REB

Single-phase electronic speed controller.



ECOWATT CONTROL

Control element for demand controlled ventilation systems in public, commercial residential buildings that automatically modifies the fan speed to adapt it to the needs defined in the system, measured with sensors.



VAPZ

Electronic single-phase regulator that controls the fan speed with a simple contact (presence detector) or an analogical input, 0-10 V or 4-20 mA (CO₂ probe for relative humidity % RH).

Accessories



SC02-A

Ambient CO₂ and temperature sensor.

SC02-AD

Ambient CO₂ and temperature sensor, with display.

SCHT-AD

Ambient CO₂, temperature and relative humidity with display.



CPFL-S / CPFL-E

Presence Detector for wall fitting, sensitive to infrared radiation by bodies in movement, with a 360° detecting angle. Power supply: 1-230 V.



TDP-S / TDP-D

Pressure sensor. Enables you to control the pressure in the fan inlet.

Pressure range: 0-2500 Pa.

Output signal:

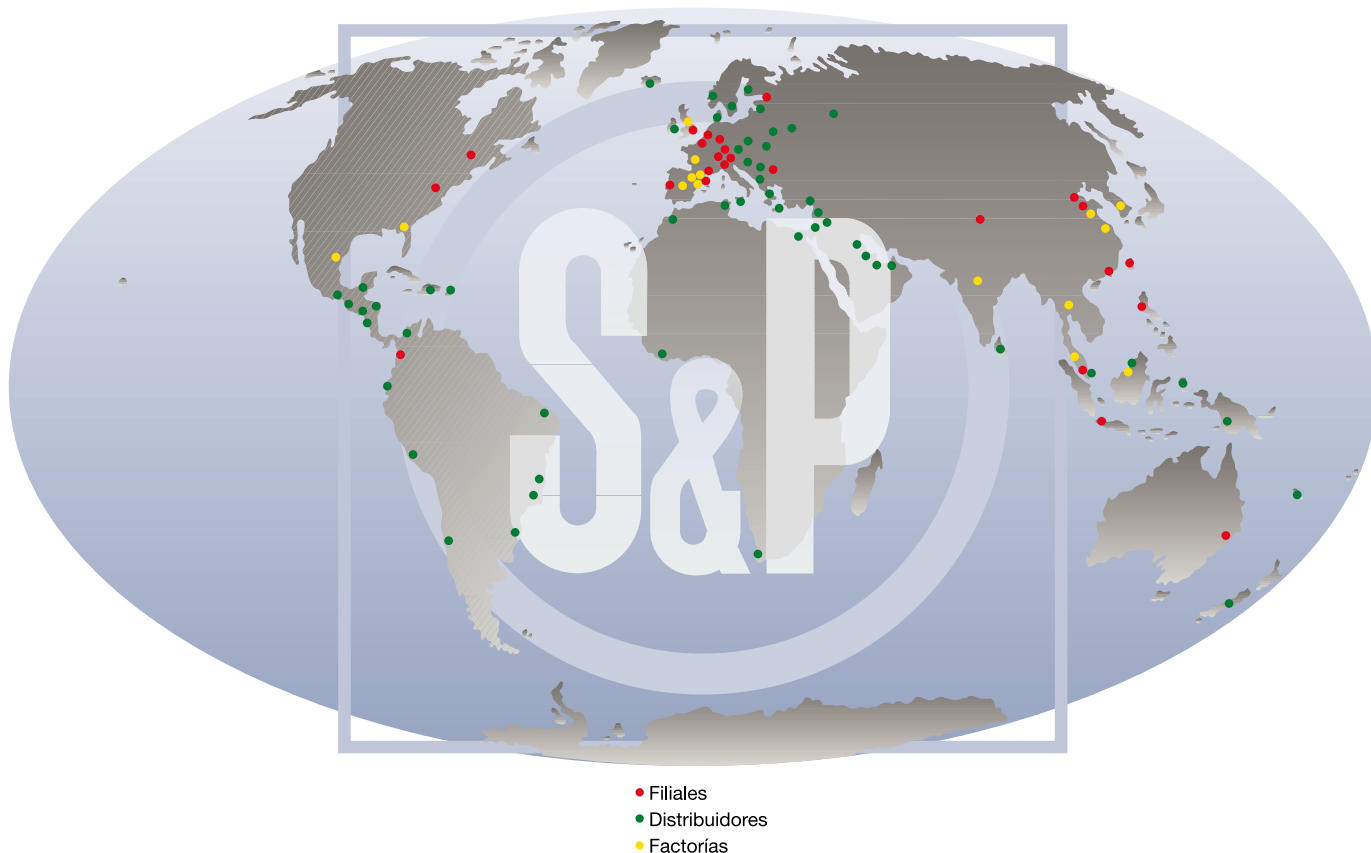
0-10V/4-20 mA



REMP

Motorized flaps opening proportionally and controlled by the EAS control module. Power supply: 24 VAC or 24 VD, depending on the models.

S&P: Una estrategia global - Una política local



Soler & Palau **Sistemas de Ventilación S.L.U.**

Oficinas Centrales

C/ Llevant, 4 - Pol. Ind. Llevant
08150 Parets del Vallés (Barcelona)
www.solerpalau.es
consultas@solerpalau.com
Servicio de Asesoría Técnica:
Tel. 901 11 62 25 - Fax. 901 11 62 29

Red Comercial de Soler & Palau

En estrecha colaboración con la habitual red de distribuidores, en nuestras Delegaciones encontrará usted respuesta y asesoramiento sobre nuestros aparatos o su forma de instalarlos y utilizarlos.

Barcelona

Tel. 93 5719390
Fax. 93 5719301

Sevilla

Tel. 95 4258296
Fax. 95 4517665

Murcia

Tel. 968 262838
Fax. 968 262838

Gijón

Tel. 98 5365711
Fax. 98 5336275

Las Palmas

de Gran Canaria
Tel. 928 356449
Fax. 928 356448

Zaragoza

Tel. 976 374595
Fax. 976 258160

Granada

Tel. 958 411410
Fax. 958 421625

Vigo

Tel. 986 208912
Fax. 986 296676

Valladolid

Tel. 983 409412
Fax. 983 409413

Madrid

Tel. 91 6928350
Fax. 93 6928505

Valencia

Tel. 96 3407352
Fax. 96 3408325

Bilbao

Tel. 94 4416850
Fax. 94 4413666

Palma de Mallorca

Tel. 971 619457
Fax. 971 619450