



APPLICATION

The fan is intended for all types of general ventilation installations. Typical uses are:

- exhaust and supply ventilation of apartments, offices, shops, restaurants,
- cooperation with home kitchen hoods equipped with grease filters.

CONSTRUCTION

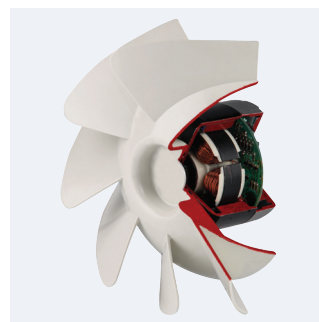
- new competitive In-Line mixed-flow series simplified to two sizes with built-in potentiometer accessible outside the terminal box,
- manufactured with recycled plastics and equipped with high efficiency brushless EC motors,
- the design of the support bracket allows the motor and impeller assembly to be fitted or removed without dismantling the adjacent ducting.

MOTOR

- brushless EC motor:
 - 230V±10% 50/60Hz, Class B, IP44,
 - speed adjustable 100% via built-in potentiometer accessible outside terminal box or via 0-10V external signal,
- ball bearings and thermal protection with manual reset,
- working temperature: -20/40°C.



The low profile of the TD ECOWATT fans makes them the most effective solution for installations where space is very limited, especially in ceiling voids.



Continuous current brushless motor, high performance and low consumption, adjustable in lineal form.



Electronics totally integrated in the product.

At 50% of full speed fan power consumption is reduced by 70%

EASY TO MOUNT



Fix the support bracket.



Place the impeller and motor.

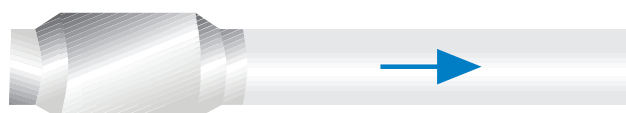


Carry out the wiring connections.



Connect the ducts.

FLEXIBLE MOUNTING POSITION



Can be mounted at any place of the air duct.



Classic centrifugal



Centrifugal in-line

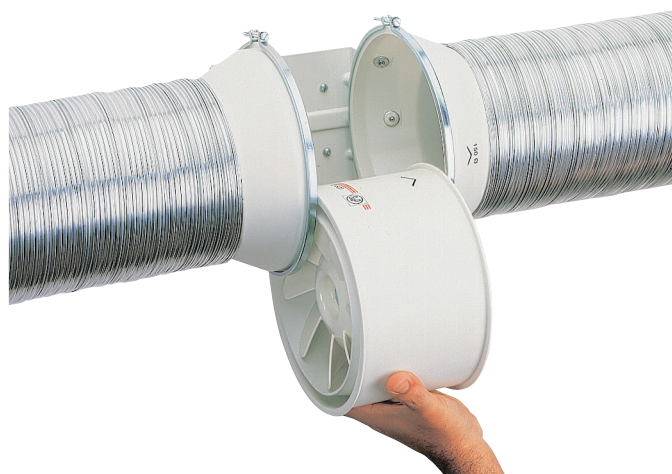


Ventilation cabinet



Mixed flow
TD-ECOWATT P

EASY MAINTENANCE



The unique design of the support bracket allows the motor and impeller assembly to be fitted or removed without dismantling the adjacent ducting.

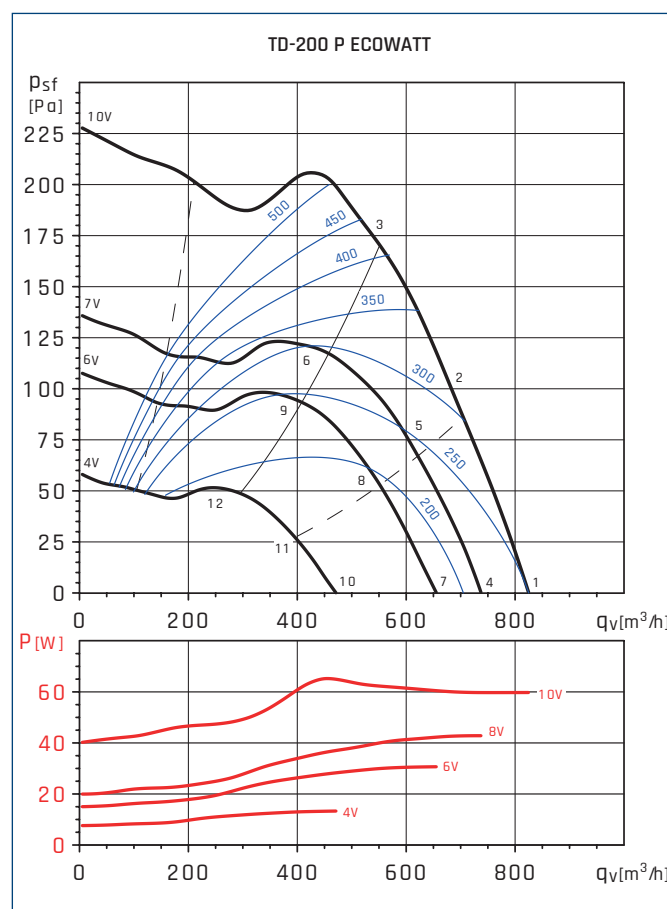
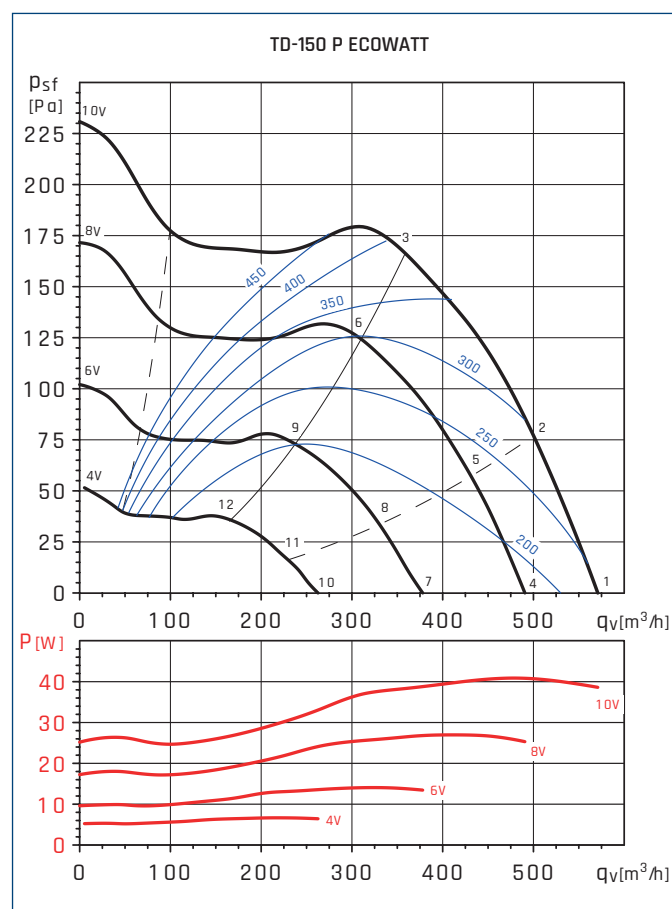


TECHNICAL CHARACTERISTICS

Type	input tension regul.	speed	maximum absorbed power	maximum absorbed current	airflow at free discharge	sound pressure level*			weight	ErP	article number
						inlet	emitted	outlet			
	[V]	[r.p.m.]	[W]	[A]	[m³/h]	[dB(A)]			[kg]		
TD-150 ECOWATT P	10	2600	41	0,3	571	46	34	45	2,1	2018	40020747-02
	8	2240	27	0,2	491	43	31	42			
	6	1730	14	0,1	348	38	25	37			
	4	1230	7	0,1	263	30	18	29			
TD-200 ECOWATT P	10	2280	65	0,5	825	53	41	55	4,9	2018	40020752-02
	8	1840	43	0,3	737	50	37	51			
	6	1640	31	0,2	601	47	34	48			
	4	1190	13	0,1	471	40	27	42			

* Measured at a distance of 3 m from the fan

PERFORMANCE CURVES



ACOUSTIC CHARACTERISTICS

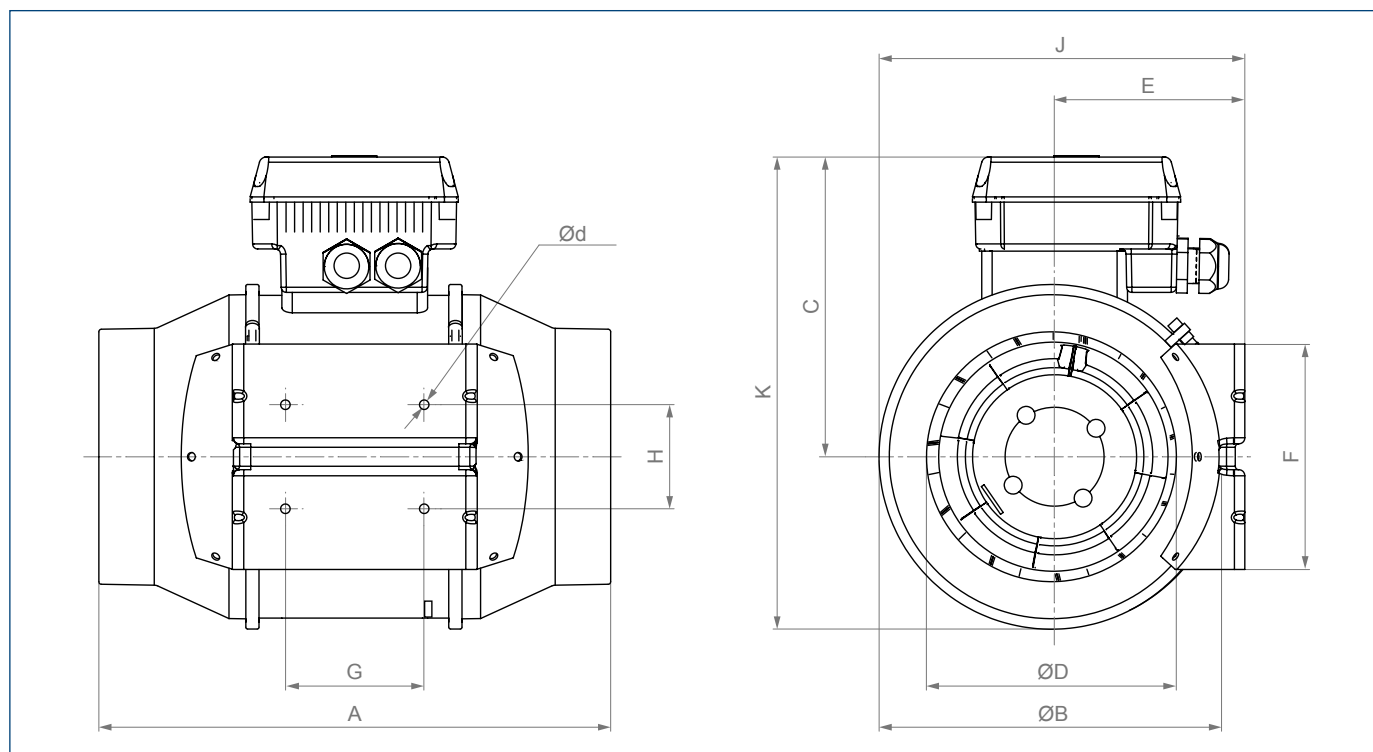
TD-150 P ECOWATT

	Hz/dB(A)	63	125	250	500	1000	2000	4000	8000	L _{WA}
1	Inlet	40	44	62	63	59	64	59	51	69
	Outlet	36	40	58	63	61	61	58	51	68
	Emitted	13	16	40	39	48	56	43	31	57
2	Inlet	40	44	61	60	58	61	56	48	67
	Outlet	36	38	55	61	59	58	55	48	65
	Emitted	15	15	39	36	47	53	41	29	55
3	Inlet	42	48	69	70	61	61	57	50	73
	Outlet	38	43	60	66	61	58	55	49	69
	Emitted	18	25	46	40	44	48	40	31	52
4	Inlet	37	42	59	60	56	61	56	48	66
	Outlet	34	37	55	60	58	58	55	48	65
	Emitted	9	13	37	36	45	53	40	28	54
5	Inlet	37	41	58	57	55	59	53	45	64
	Outlet	34	35	52	58	57	55	52	45	63
	Emitted	12	12	36	33	44	50	37	26	51
6	Inlet	39	45	65	66	57	57	54	47	69
	Outlet	35	40	57	63	58	55	52	46	66
	Emitted	15	22	43	37	41	45	36	28	49
7	Inlet	31	36	53	54	51	56	51	42	60
	Outlet	28	32	49	54	52	53	49	42	59
	Emitted	4	7	31	31	39	47	35	22	48
8	Inlet	32	36	52	52	49	53	47	39	58
	Outlet	28	30	47	52	51	50	47	40	57
	Emitted	6	6	30	28	38	45	32	20	46
9	Inlet	33	39	60	60	52	52	48	41	64
	Outlet	30	34	52	57	53	49	47	40	60
	Emitted	9	16	37	32	35	39	31	22	43
10	Inlet	24	28	46	47	43	48	43	35	53
	Outlet	21	24	42	47	45	45	42	35	52
	Emitted	-4	0	24	23	32	40	27	15	41
11	Inlet	24	28	45	44	42	45	40	32	51
	Outlet	21	22	39	45	44	42	39	32	50
	Emitted	-1	-1	23	20	31	37	24	13	38
12	Inlet	26	32	52	53	44	44	41	34	56
	Outlet	22	27	44	50	45	42	39	33	53
	Emitted	2	9	30	24	28	32	23	14	35

TD-200 P ECOWATT

	Hz/dB(A)	63	125	250	500	1000	2000	4000	8000	L _{WA}
1	Inlet	40	44	62	63	59	64	59	51	69
	Outlet	36	40	58	63	61	61	58	51	68
	Emitted	13	16	40	39	48	56	43	31	57
2	Inlet	40	44	61	60	58	61	56	48	67
	Outlet	36	38	55	61	59	58	55	48	65
	Emitted	15	15	39	36	47	53	41	29	55
3	Inlet	42	48	69	70	61	61	57	50	73
	Outlet	38	43	60	66	61	58	55	49	69
	Emitted	18	25	46	40	44	48	40	31	52
4	Inlet	37	42	59	60	56	61	56	48	66
	Outlet	34	37	55	60	58	58	55	48	65
	Emitted	9	13	37	36	45	53	40	28	54
5	Inlet	37	41	58	57	55	59	53	45	64
	Outlet	34	35	52	58	57	55	52	45	63
	Emitted	12	12	36	33	44	50	37	26	51
6	Inlet	39	45	65	66	57	57	54	47	69
	Outlet	35	40	57	63	58	55	52	46	66
	Emitted	15	22	43	37	41	45	36	28	49
7	Inlet	31	36	53	54	51	56	51	42	60
	Outlet	28	32	49	54	52	53	49	42	59
	Emitted	4	7	31	31	39	47	35	22	48
8	Inlet	32	36	52	52	49	53	47	39	58
	Outlet	28	30	47	52	51	50	47	40	57
	Emitted	6	6	30	28	38	45	32	20	46
9	Inlet	33	39	60	60	52	52	48	41	64
	Outlet	30	34	52	57	53	49	47	40	60
	Emitted	9	16	37	32	35	39	31	22	43
10	Inlet	24	28	46	47	43	48	43	35	53
	Outlet	21	24	42	47	45	45	42	35	52
	Emitted	-4	0	24	23	32	40	27	15	41
11	Inlet	24	28	45	44	42	45	40	32	51
	Outlet	21	22	39	45	44	42	39	32	50
	Emitted	-1	-1	23	20	31	37	24	13	38
12	Inlet	26	32	52	53	44	44	41	34	56
	Outlet	22	27	44	50	45	42	39	33	53
	Emitted	2	9	30	24	28	32	23	14	35

DIMENSION [mm]



Type	A	ØB	C	ØD	E	F	G	H	J	K	Ød
TD-150 ECOWATT P	295	200	127	147	112	130	80	60	212	227	5,5
TD-200 ECOWATT P	302	207	141	198	124	140	100	94	227	244	5,5

ACCESSORY ASSEMBLY



1	2	3				
Type	channel filter DF	channel filter DF-K				
			cartridge filter to DF-K			
			EU3	EU5	EU7	EU9
TD-150 ECOWATT P	DF 160	DF-K 160	EU3 100-250mm	EU5 100-250mm	EU7 100-250mm	EU9 100-250mm
TD-200 ECOWATT P	DF 200	DF-K 200	EU3 100-250mm	EU5 100-250mm	EU7 100-250mm	EU9 100-250mm

1	4	5	6		7	8	9
Type	backdraft shutter CAR-PL	anti-vibration connector ACOP PL	flexible silencer AKU-COMP		throttle IRIS	vent KWO	protective mesh DEF-VENT
			0,6m	1,2m			
TD-150 ECOWATT P	CAR-PL 150	ACOP PL 160	AKU-COMP 160/0.6	AKU-COMP 160/1.2	IRIS 160	KWO 160	DEF-VENT-160
TD-200 ECOWATT P	CAR-PL 200	ACOP PL 200	AKU-COMP 200/0.6	AKU-COMP 200/1.2	IRIS 200	KWO 200	DEF-VENT-200

Article numbers

DF 160	40520630	EU3 100-250mm	40520800	CAR-PL 150	40521029-01	AKU-COMP 160/0.6	40521530	IRIS 160	19527160
DF 200	40520640	EU5 100-250mm	40520805	CAR-PL 200	40521040-01	AKU-COMP 160/1.2	40521530	IRIS 200	19527200
DF-K 160	40521720	EU7 100-250mm	40520810	ACOP PL 160	40521820	AKU-COMP 200/0.6	40521540	KWO 160	40522540
DF-K 200	40521725	EU9 100-250mm	40520820	ACOP PL 200	40521825	AKU-COMP 200/1.2	40521540	KWO 200	40522550
								DEF-VENT-160	40522012
								DEF-VENT-200	40522013

channel filter DF	channel filter DFK...+EU	backdraft shutter CAR-PL	anti-vibr. connector ACOP-PL	flexible silencer AKU-COMP	throttle IRIS	vent KWO	diffuser AKK/AKT	heater DH/DH-R	protective mesh DEF-VENT

ELECTRICAL ACCESSORIES

Type	wall thermostat	duct thermostat	air quality sensor	humidistat	regulator
	TS	TK-1	SQA	HIG-2	REB-ECOWATT
TD-150 ECOWATT P	TS	TK-1	SQA	HIG-2	REB-ECOWATT
TD-200 ECOWATT P	TS	TK-1	SQA	HIG-2	REB-ECOWATT

Article numbers

HIG-2	40025150	REB-ECOWATT	40025005	SQA	40025140	TK-1	40025330	TS	40025345
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thermostat TS	thermostat TK-1	sensor SQA	humidistat HIG-2	regulator REB ECOWATT