IN LINE MIXED FLOW DUCT FANS WITH BRUSHLESS DC MOTORS

Serie TD-ECOWATT

NEW MODELS

Range of Low Profile Mixed flow fans **with ball bearings and brushless DC motors,** of high efficiency and **low consumption.**

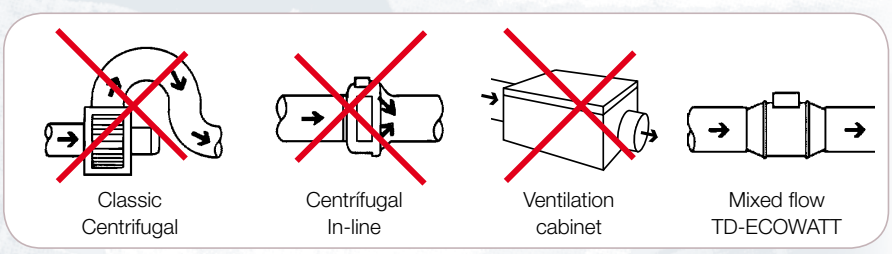
Manufactured in plastic (models 160 to 800) or in steel (models 1300 and 2000), removable fan body, and rated as standard 90/260V-50/60Hz for models 160 to 800 and 230V/50-60Hz for models 1300 and 2000, IP44, speed controllable from 10% to 100%.

Specially suitable for any kind of ventilation application, **where the fan must operate continuously** allowing a very important **energy saving,** or on those requiring a **Demand Controlled Ventilaton System** involving the use of other sensors or controls

Reduce of consump tion up to 70%, regulated up to 50%

ENERGY EFFICIENT e **VENTILATION SYSTEM**

Low profile



The low profile of the TD-ECOWATT fans makes them the most effective solution for installations where the space of installation is limited such as false ceilings.

Easy to mount

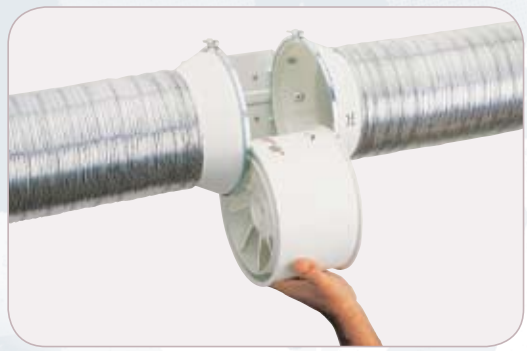
Fix the support bracket

Place the impeller and motor

Carry out the wiring connections

Connect the ducts

Easy maintenance



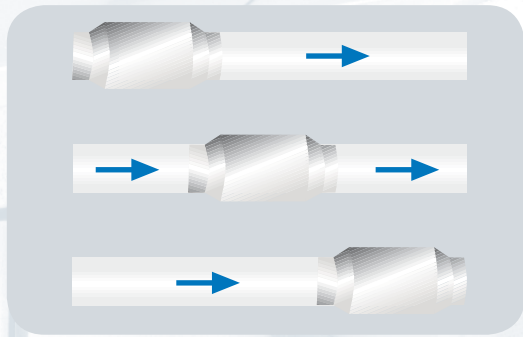
The unique design of the support bracket allows the motor and impeller assembly to be fitted or removed without dismantling the adjacent ducting

Continuous current motor

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

Electronics totally integrated in the product

Flexible mounting position



Can be mounted at any place of the air duct

Design characteristics

	160	250	350	500	800	1300	2000
Plastic housing	•	•	•	•	•		
Steel casing						•	•
Plastic impeller	•	•	•	•	•		
Aluminium impeller						•	•
Insulation Class	II	II	II	II	II	I	I
Non self resetable thermal protection	•	•	•	•	•	•	•
Ball bearings	•	•	•	•	•	•	•

Technical characteristics

TD-MIXVENT	Speed (r.p.m.)	Maximum power absorbed (W)	Maximum absorbed current (W)	Airflow at free discharge (m^3/h)	Operating temperature (°C)	Sound pressure level* (dB(A))	Ø Duct (mm)	Weight (kg)
TD-160/100 ECOWATT	2650	10	0,07	190	-20/+60	34	100	1,4
TD-250/100 ECOWATT	2400	22	0,17	275	-20/+60	35	100	2,0
TD-350/125 ECOWATT	2420	22	0,17	360	-20/+60	34	125	2,0
TD-500/150 ECOWATT	2600	48	0,35	580	-20/+60	36	150	2,7
TD-800/200 ECOWATT	2360	105	0,75	1030	-20/+60	38	200	4,9
TD-1300/250 ECOWATT	2550	145	0,62	1230	-20/+40	46	250	9,5
TD-2000/315 ECOWATT	2560	255	1,07	1660	-20/+40	50	315	14

Sound characteristics

Sound Power Spectrum in dB(A), per band of frequency, at inlet, outlet or radiated, for working points low (B), medium(M) or high (A) on every fan curve. Tests made according to SO 13347-3 004.

TD-160/100 ECOWATT		63	125	250	500	1.000	2.000	4.000	8.000	GLOBAL
INLET	B	30	31	43	50	58	58	44	34	61
	M	31	32	44	51	56	57	42	33	60
	A	36	37	47	54	56	59	41	31	62
DESCARGA	B	29	29	40	51	56	56	45	34	60
	M	30	30	39	52	56	56	43	33	60
	A	32	36	40	54	55	53	43	33	59
RADIADA	B	24	31	43	47	46	52	38	25	54
	M	25	32	44	48	44	51	36	24	54
	A	30	37	47	51	44	53	35	22	56

TD-800/200 ECOWATT		63	125	250	500	1.000	2.000	4.000	8.000	GLOBAL
INLET	B	27	35	51	55	66	66	61	51	70
	M	26	33	49	54	65	63	59	49	68
	A	36	47	63	64	66	63	59	51	71
DESCARGA	B	48	47	51	61	65	67	62	50	71
	M	40	39	49	62	65	65	59	48	69
	A	36	43	61	68	67	65	60	51	72
RADIADA	B	27	22	41	36	54	56	48	33	59
	M	26	20	39	35	53	53	46	31	57
	A	36	34	53	45	54	53	46	33	59

TD-250/100 ECOWATT		63	125	250	500	1.000	2.000	4.000	8.000	GLOBAL
INLET	B	26	32	44	57	55	53	45	36	60
	M	27	32	46	55	55	53	44	36	60
	A	28	33	46	54	55	53	44	36	59
DESCARGA	B	32	33	45	56	53	53	44	36	59
	M	29	32	47	56	52	52	43	35	59
	A	29	33	49	53	50	51	41	33	57
RADIADA	B	23	29	44	50	50	50	39	29	55
	M	24	29	46	48	50	50	38	29	55
	A	25	30	46	47	50	50	38	29	55

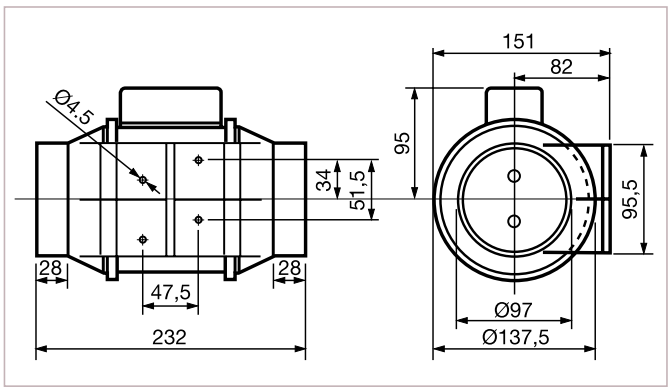
TD-1300/250 ECOWATT		63	125	250	500	1.000	2.000	4.000	8.000	GLOBAL
INLET	B	44,7	54,3	63,6	69,2	77,2	74,1	67,4	60,4	79,8
	M	38,8	46,7	68	74,2	81,9	80,4	72,3	62,8	85
	A	43,6	44,3	48,9	52,4	65,3	63,9	52,6	47,3	68
DESCARGA	B	44,9	57	68,1	69,9	75,8	73,1	66,1	58,8	79
	M	38,9	50	69,4	75,4	81,5	79,2	71	61,3	84,5
	A	43,8	47	53,4	53,1	63,9	62,9	51,3	45,7	67,1
RADIADA	B	45,6	58,5	68,4	68,5	72,7	69,6	62,5	54,2	76,5
	M	39,8	51,4	69,6	74,2	79,2	75,6	66,8	56,5	82,1
	A	44,5	48,5	53,7	51,7	60,8	59,4	47,7	41,1	64,2

TD-350/125 ECOWATT		63	125	250	500	1.000	2.000	4.000	8.000	GLOBAL
INLET	B	24	29	44	52	55	54	44	33	59
	M	28	28	44	52	53	52	44	35	58
	A	29	35	50	53	55	55	45	35	60
DESCARGA	B	32	33	46	56	55	54	43	34	60
	M	29	30	45	55	53	52	43	34	59
	A	31	35	50	56	52	52	42	33	59
RADIADA	B	18	20	44	42	48	50	36	23	53
	M	22	19	44	42	46	48	36	25	52
	A	23	26	50	43	48	51	37	25	55

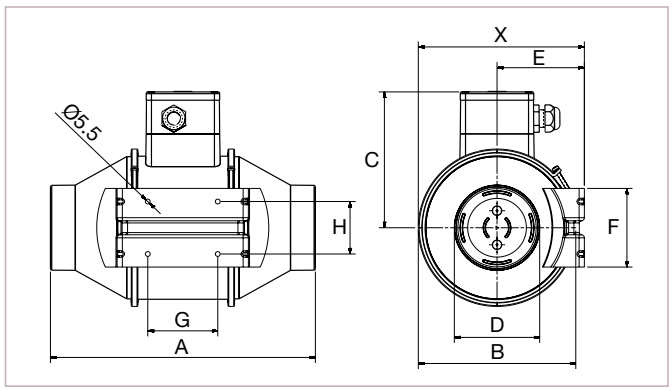
TD-2000/315 ECOWATT		63	125	250	500	1.000	2.000	4.000	8.000	GLOBAL
INLET	B	34,7	56,4	64,9	70,2	77,5	74,1	67,8	61,6	80,2
	M	46,2	53,9	70,2	75,8	82,3	80,1	71,5	64,3	85,3
	A	21,7	39,9	55,1	61,4	67,6	64,6	58,5	53,7	70,5
DESCARGA	B	34,8	58,1	67	71,1	78,6	75,1	69,2	62,1	81,2
	M	45,7	54,7	71,6	77,3	83,2	80,7	72,2	64,5	86,2
	A	21,8	41,6	57,2	62,3	68,7	65,6	59,9	54,2	71,6
RADIADA	B	37,1	61,1	68,5	70,3	77,3	73,4	67,7	60,5	80,1
	M	45,5	59,5	74	76,9	80,8	78,5	70,4	62,7	84,4
	A	24,1	44,6	58,7	61,5	67,4	63,9	58,4	52,6	70,4

TD-500/150 ECOWATT		63	125	250	500	1.000	2.000	4.000	8.000	GLOBAL
INLET	B	26	36	53	56	58	64	58	50	67
	M	26	34	50	55	57	61	55	48	64
	A	26	37	53	58	59	61	56	48	65
DESCARGA	B	34	36	56	61	62	62	57	50	67
	M	29	34	51	60	61	59	55	48	66
	A	31	34	55	65	62	59	56	49	68
RADIADA	B	18	24	51	37	45	55	43	35	57
	M	18	22	48	36	44	52	40	33	54
	A	18	25	51	39	46	52	41	33	55

Dimensions (mm)

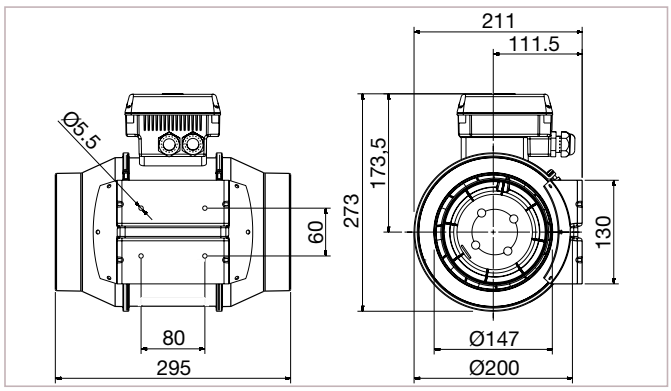


TD-160/100 ECOWATT

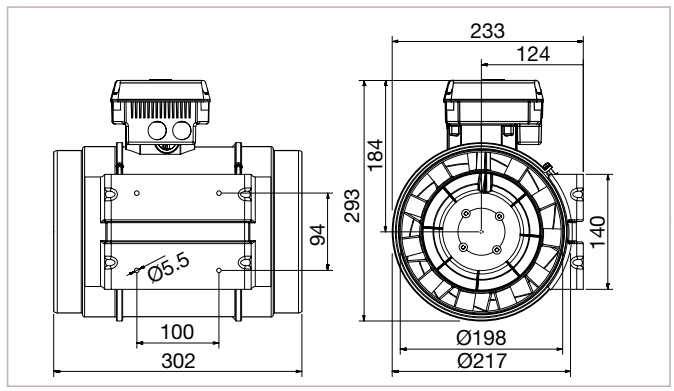


TD-250/100 and TD-350/125 ECOWATT

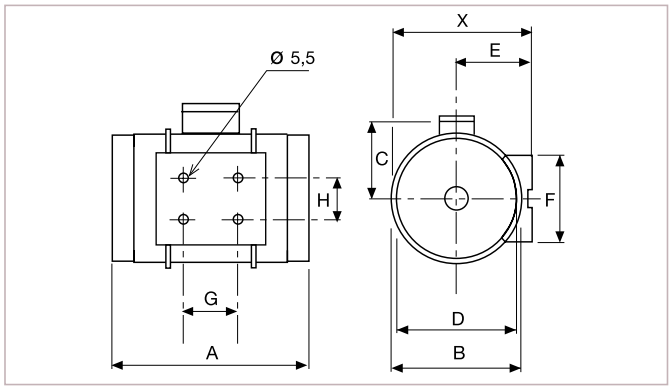
Model	X	A	ØB	C	ØD	E	F	G	H
TD-250/100 ECOWATT	188	303	176	156	97	100	90	80	60
TD-350/125 ECOWATT	188	258	176	156	123	100	90	80	60



TD-500/150 ECOWATT



TD-800/200 ECOWATT

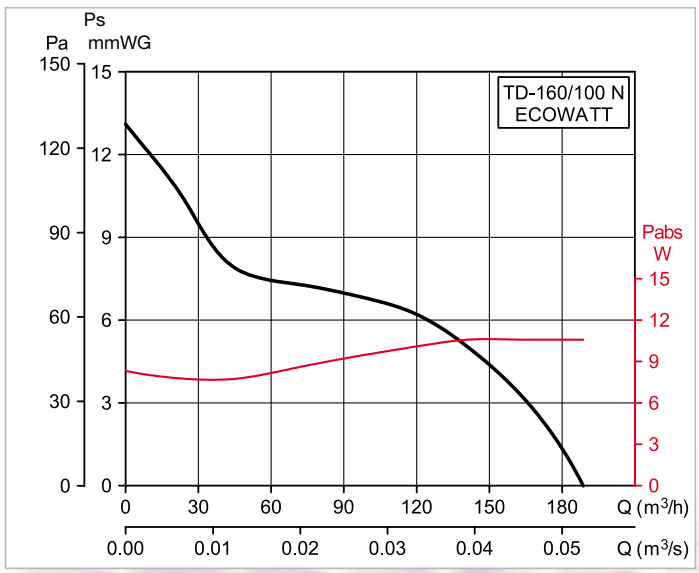


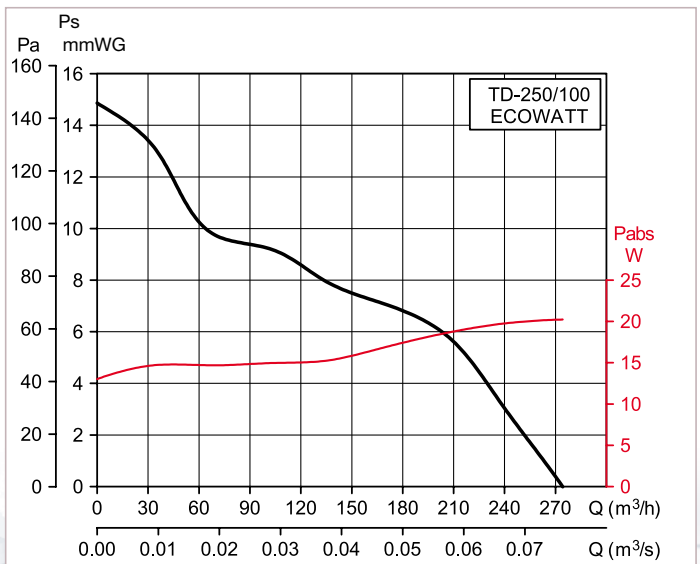
TD-1300/250 and TD-2000/315 ECOWATT

Model	X	A	ØB	C	ØD	E	F	G	H
TD-1300/250 ECOWATT	291	386	272	192	248	155	168	145	140
TD-2000/315 ECOWATT	356	450	336	224	312	188	210	182	178

Characteristic curves

– Q = Air volume in, m^3/hr and m^3/s.
– Ps = Static pressure in mmWG and Pa.
– Dry air at 20°C and 760 mmHg.
– Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.





Characteristic curves

– Q = Air volume in, m³/hr and m³/s.
– Ps = Static pressure in mmWG and Pa.
– Dry air at 20ºC and 760 mmHg.
– Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.