

APPLICATION

High pressure and airflow allow the use of these fans in all types of general ventilation systems. The compact design allows these type of fans to have all the advantages of axial fans but with better parameters. This allows the fans to overcome high installation resistance in small ducts and ensures good cooperation with filters and duct heaters. Application examples: exhaust and supply air in apartments, offices, shops, dining, cooperation with domestic kitchen hoods equipped with grease filters, etc.

CONSTRUCTION

In-line duct fan designed for ventilating rooms with a low level of dust, suitable for installation in vertical or horizontal ventilation ducts with diameters from 100 to 400 mm.

The unique design allows the fans to achieve high pressures and airflows with minimal noise. The unique design allows maintenance without removing the ventilation ducts.

TD series include:

- 2-stage models available in diameters of 100 and 125 mm (model TD-160/100, TD-250/100 and TD-350/125).
- 3-stage models available in diameters from 150 to 315 mm (model TD-500/150, TD-500/160, TD-800/200, TD-800 / 200N, TD-1000/250, TD-1300/250, TD-2000/315).
- single-stage models available in diameters of 355 and 400 mm (models TD-4000/355 and TD-6000/400).
- single-stage models with adjustable run-on-timer (1-30min) Available in standard sizes from 100 to 200 mm.

TD 160, 250, 350, 500, 800 models housing is made of polypropylene. TD 1000, 1300, 2000, 4000, 6000 models housing is made of painted steel with epoxy paint.

TD 1000, 1300, 2000, 4000, 6000 models impellers are made of aluminium, 160, 250, 350, 500, 800, 800N models impellers are made of ABS plastic.

MOTOR

TD fans are equipped with single-phase 230V, 50/60 Hz (models 160 - 6000), and three-phase motors 400V, 50Hz (TRIF models 4000, 6000 TRIF). Motors of models from 250 to 2000 (models 500 and 800 - IP44 class F winding insulation) are equipped with degree of protection IP44 and winding insulation class B, models 4000 and 6000 are made in IP54 and winding insulation class F. All motors contain ball bearings.

All single-phase motors (except TD-T and TD EX) are suitable for voltage speed control (eg. REB, RMB).

Three-phase motors are suitable for inverter control.

Fan sizes from 160 to 350 are equipped as standard with two-speed motors (recommended switch gears REGUL-2).

Fan sizes from 500 to 2000 are equipped as standard with three-speed motors (recommended switch gears INTER 4P).

All motors have thermal winding protection against overload - fuses models 160, 250 and 350, and in the other models circuit breakers.

OTHERS

Versions fitted with a run-on-timer adjustable within 1 - 30 min - TD-T

Versions with additional sound-proofing - TD SILENT

Versions for hazardous areas - TD EX

Versions for roofs - TH

Versions for roofs in hazardous areas - TH EX.



WWW



DTR



CE



PZH

DESIGNATION

TD	-	800	/	200	N	3V
1		2		3	4	5

1. Name
2. Model
3. Nominal diameter
4. Version (N, TRIFF)
5. Three-speed version

TECHNICAL CHARACTERISTICS

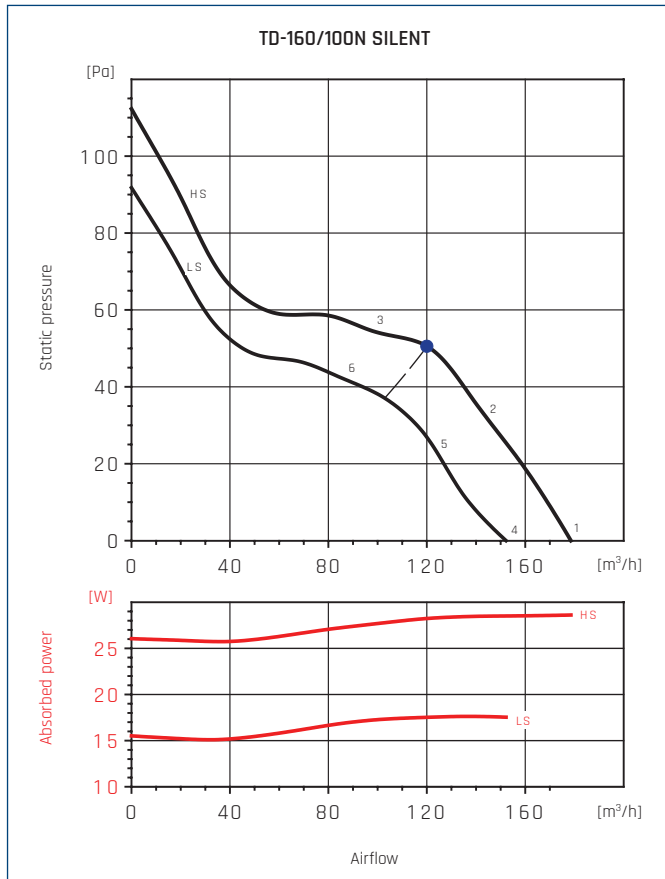
Type	run	speed	max abs. power	max abs. current	airflow at free disch.	sound press. level*	oper. temp.		weight	regulator	ErP	article number
		[r.p.m.]	[W]	[A]	[m³/h]	[dB(A)]	min	max				
TD-160/100N SILENT	HS	2400	29	0,17	180	25	-20	+40	1,4	TLR 15 DS RVS-1,5	2018 P < 30W	40020710
	LS	2220	18	0,11	150	22						
TD-250/100	HS	2140	28	0,12	250	34	-20	+40	2	TLR 15 DS RVS-1,5	2018 P < 30W	40020720
	LS	1700	22	0,1	200	28						
TD-350/125	HS	2050	26	0,11	330	33	-20	+40	2	TLR 15 DS RVS-1,5	2018 P < 30W	40020730
	LS	1590	20	0,09	250	24						
TD-500/150 3V	HS	2590	53	0,21	560	36	-20	+60	2,7	TLR 15 DS RVS-1,5 INTER 4P	2018	40020745-02
	MS	2150	44	0,19	470	33						
	LS	1820	41	0,18	390	29						
TD-500/160 3V	HS	2590	53	0,21	560	36	-20	+60	2,7	TLR 15 DS RVS-1,5 INTER 4P	2018	40020740-02
	MS	2150	44	0,19	470	33						
	LS	1820	41	0,18	390	29						
TD-800/200N 3V	HS	2190	103	0,5	890	39	-20	+60	4,9	TLR 15 DS RVS-1,5 INTER 4P	2018	40020760-01
	MS	1870	93	0,47	750	35						
	LS	1660	88	0,45	660	36						
TD-800/200 3V	HS	2480	132	0,55	1040	39	-20	+60	4,9	TLR 15 DS RVS-1,5 INTER 4P	2018	40020754-01
	MS	2290	133	0,56	940	36						
	LS	2080	131	0,55	850	34						
TD-1000/250 3V	HS	2790	130	0,46	960	38	-40	+60	9,4	TLR 15 DS RVS-1,5 INTER 4P	2018	40020770-01
	MS	2620	99	0,31	910	37						
	LS	2510	91	0,28	850	36						
TD-1300/250 3V	HS	2510	196	0,79	1350	39	-40	+60	9,4	TLR 15 DS RVS-1,5 INTER 4P	2016	40020780-01
	MS	2200	153	0,61	1160	36						
	LS	1980	133	0,54	1050	34						
TD-2000/315 3V	HS	2630	290	1,03	1830	50	-40	+60	14	TLR 15 DS RVS-1,5 INTER 4P	2016	40020790-01
	MS	2420	223	0,79	1630	49						
	LS	2130	173	0,64	1430	46						
TD-4000/355	230V	1360	407	1,69	3750	47	-40	+60	19	TLR 25 DS RVS-3	2016	40020792
	170V	1200	323	1,83	3230	42						
	140V	970	263	1,87	2630	38						
	115V	730	190	1,72	1950							
TD-6000/400	230V	1400	680	2,92	5310	43	-40	+40	36	REB-5 RVS 5	2016	40020794
	170V	1320	577	3,24	4860	42						
	140V	1210	530	3,66	4440	40						
	115V	960	453	4,06	3580							
THREE PHASE												
TD-4000/355 TRIF	50Hz	1150	309	0,66	3160	37	-40	+70	24,5	RMT 1,5 Inverter 0,4kW	2018	40020793
TD-6000/400 TRIF	50Hz	1400	650	2,1	5330	44	-40	+60	36	RMT 2,5 Inverter 0,75kW	2016	40020795

Type	run	speed	max abs. power	max abs. current	airflow at free disch.	sound press. level*	oper. temp.		weight	ErP	article number
		[r.p.m.]	[W]	[A]	[m³/h]	[dB(A)]	min	max			
TD-160/100 NT SILENT	HS	2400	29	0,17	180	24	-20	+40	1,4	2018	40020713
TD-250/100 T	HS	2140	28	0,12	250	34	-20	+40	2	2018	40020723
TD-350/125 T	HS	2050	26	0,11	330	33	-20	+40	2	2018	40020733
TD-500/150 T 3V**	HS	2590	53	0,21	560	35	-20	+60	2,7	2018	40020748-01
	MS	2150	44	0,19	470	31					
	LS	1820	41	0,18	390	26					
TD-500/160 T 3V**	HS	2590	53	0,21	560	35	-20	+60	2,7	2018	40020743-01
	MS	2150	44	0,19	470	31					
	LS	1820	41	0,18	390	26					
TD-800/200 T 3V**	HS	2480	132	0,55	1040	40	-20	+60	4,9	2018	40020753-01
	MS	2290	133	0,56	940	37					
	LS	2080	131	0,55	850	34					

* measured at a distance of 3 m from the fan

** Run-On-Timer only for one speed work (HS)

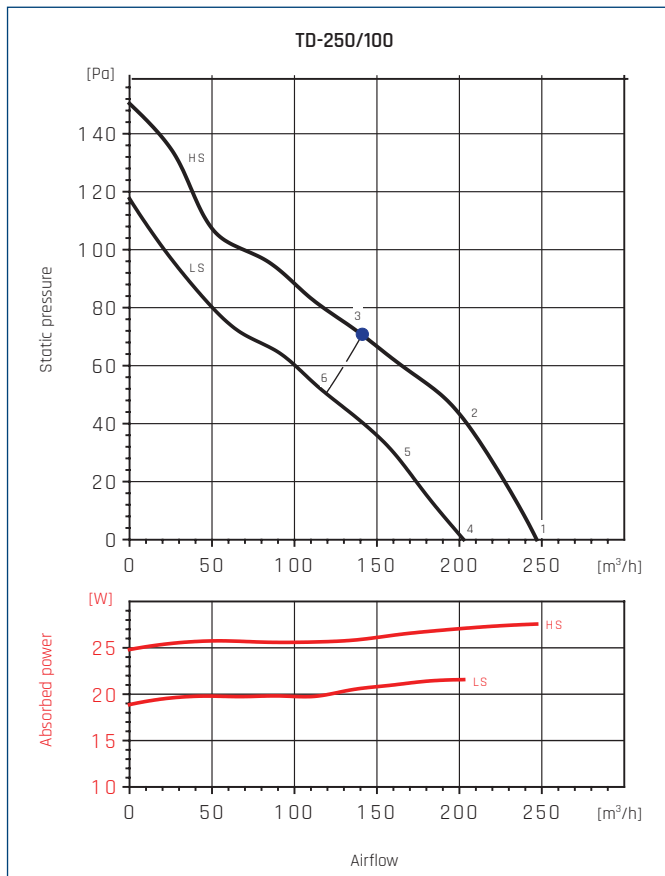
PERFORMANCE CURVES



ACOUSTIC CHARACTERISTICS

Hz/dB(A)		65	125	250	500	1000	2000	4000	8000	L _{WA}
1	inlet	22	34	41	47	53	49	40	31	56
	outlet	22	43	38	50	51	47	41	32	55
	emitted	21	27	41	35	36	40	33	22	45
2	inlet	21	36	39	47	52	48	39	30	55
	outlet	22	42	37	50	50	46	41	31	54
	emitted	20	29	39	35	35	39	32	21	44
3	inlet	24	37	41	48	52	47	39	30	55
	outlet	27	42	38	50	51	45	40	31	55
	emitted	23	30	41	36	35	38	32	21	45
4	inlet	22	31	37	45	51	46	38	29	53
	outlet	22	38	34	48	49	45	39	29	53
	emitted	19	27	36	33	35	38	31	21	42
5	inlet	21	33	37	45	50	46	37	28	53
	outlet	22	38	35	48	48	44	38	29	52
	emitted	18	29	36	33	34	38	30	20	42
6	inlet	23	34	39	45	50	45	37	28	53
	outlet	26	38	36	48	49	44	38	28	53
	emitted	20	30	38	33	34	37	30	20	43

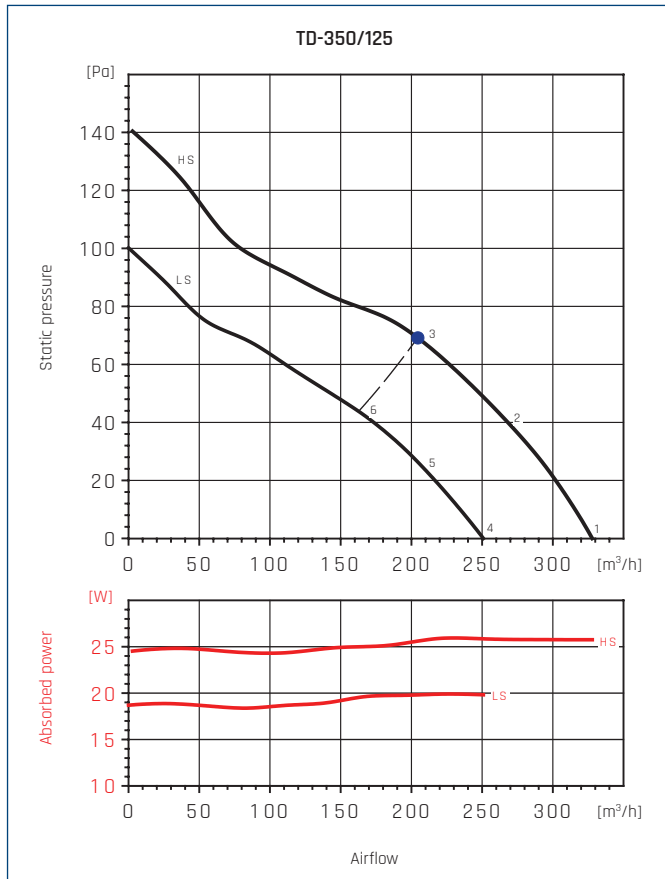
● - highest efficiency point



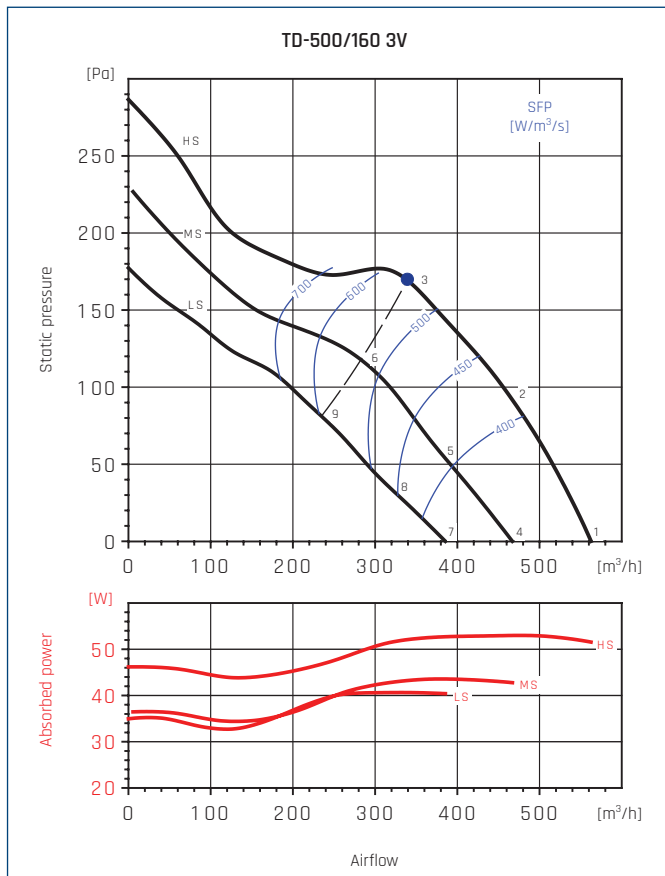
Hz/dB(A)		65	125	250	500	1000	2000	4000	8000	L _{WA}
1	inlet	26	31	47	54	55	50	40	31	59
	outlet	25	31	50	56	53	51	41	32	59
	emitted	18	22	47	48	51	48	33	24	55
2	inlet	25	32	46	53	56	51	41	32	59
	outlet	25	31	49	54	52	50	40	31	58
	emitted	17	23	46	47	52	49	34	25	55
3	inlet	27	33	45	53	55	51	42	34	58
	outlet	29	34	48	55	51	50	40	31	58
	emitted	19	24	45	47	51	49	35	27	55
4	inlet	24	26	42	48	49	43	32	24	53
	outlet	24	28	48	49	46	44	33	25	53
	emitted	22	25	42	43	43	41	26	19	48
5	inlet	26	30	42	48	51	45	34	25	54
	outlet	21	30	47	50	46	44	33	25	53
	emitted	24	29	42	43	45	43	28	20	50
6	inlet	26	32	45	50	53	47	37	28	56
	outlet	28	32	50	50	49	45	35	27	55
	emitted	24	31	45	45	47	45	31	23	52

● - highest efficiency point

PERFORMANCE CURVES



● - highest efficiency point



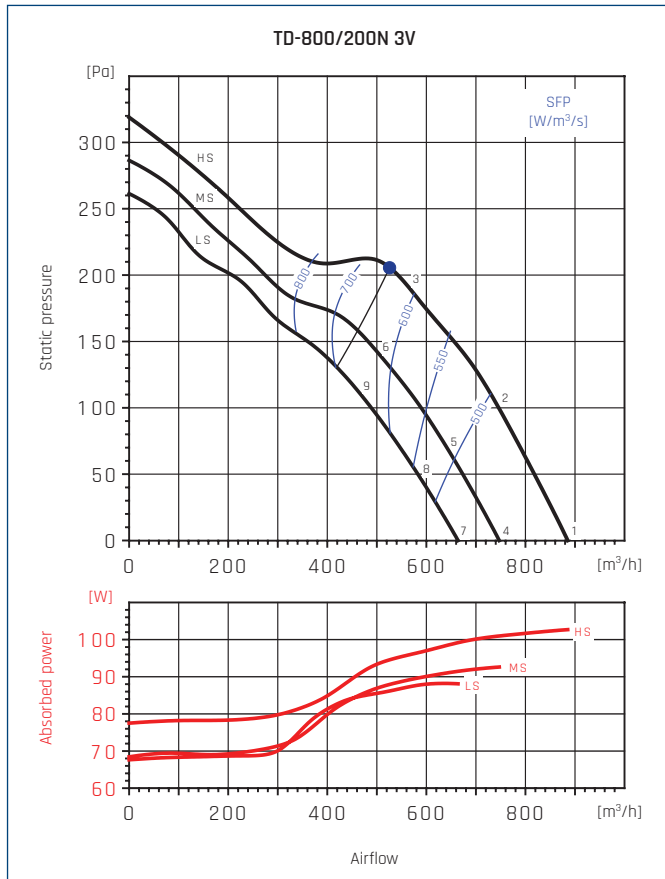
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ACOUSTIC CHARACTERISTICS

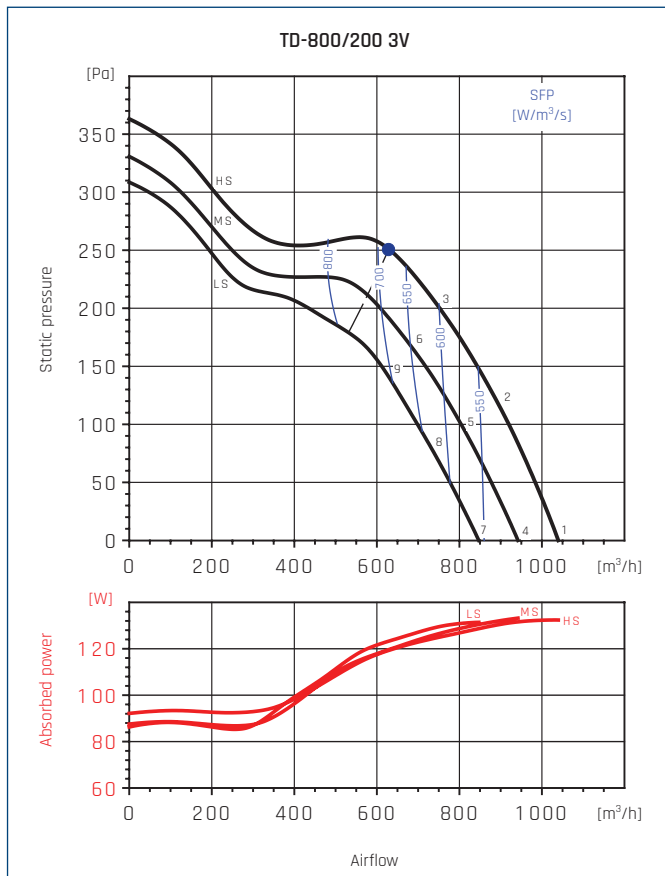
Hz/dB(A)		65	125	250	500	1000	2000	4000	8000	L _{WA}
1	inlet	27	33	52	51	52	47	38	28	57
	outlet	23	30	50	51	54	48	38	29	57
	emitted	21	27	52	41	45	41	29	17	53
2	inlet	23	33	55	51	52	46	39	30	58
	outlet	22	28	52	51	51	48	38	29	57
	emitted	17	27	55	41	45	40	30	19	56
3	inlet	24	34	48	53	54	51	42	32	58
	outlet	25	33	49	54	53	50	41	31	58
	emitted	18	28	48	43	47	45	33	21	52
4	inlet	20	26	40	46	44	38	30	24	49
	outlet	22	27	42	47	46	40	29	24	51
	emitted	10	23	40	40	38	35	25	18	45
5	inlet	20	25	40	45	44	38	31	24	49
	outlet	21	28	39	46	44	40	31	24	49
	emitted	10	22	40	39	38	35	26	18	44
6	inlet	35	33	43	48	50	45	35	26	53
	outlet	27	32	42	48	48	44	34	25	52
	emitted	25	30	43	42	44	42	30	20	49

Hz/dB(A)		65	125	250	500	1000	2000	4000	8000	L _{WA}
1	inlet	26	35	53	58	62	64	57	47	67
	outlet	28	35	55	57	65	64	56	46	68
	emitted	15	25	46	44	49	54	41	27	56
2	inlet	25	33	51	54	59	61	54	45	64
	outlet	29	35	53	55	63	61	53	45	66
	emitted	14	23	44	40	46	51	38	25	53
3	inlet	26	36	54	58	60	61	56	45	66
	outlet	26	34	54	60	64	61	54	45	67
	emitted	15	26	47	44	47	51	40	26	54
4	inlet	23	34	52	54	56	59	51	40	62
	outlet	28	37	50	54	60	59	49	40	64
	emitted	13	21	46	40	44	51	37	22	53
5	inlet	22	32	49	51	54	56	48	38	60
	outlet	26	37	47	52	58	55	47	38	61
	emitted	12	19	43	37	42	48	34	20	50
6	inlet	24	39	53	54	56	56	50	40	61
	outlet	24	36	52	57	59	55	48	39	63
	emitted	14	26	47	40	44	48	36	22	52
7	inlet	23	33	47	49	53	53	44	33	57
	outlet	24	33	46	50	56	53	43	33	59
	emitted	13	22	42	37	42	47	33	18	49
8	inlet	21	32	43	46	50	50	42	31	54
	outlet	22	28	42	48	53	49	40	31	56
	emitted	11	21	38	34	39	44	31	16	46
9	inlet	23	36	48	49	51	51	44	32	56
	outlet	23	35	48	52	54	50	42	32	58
	emitted	13	25	43	37	40	45	33	17	48

PERFORMANCE CURVES



● - highest efficiency point



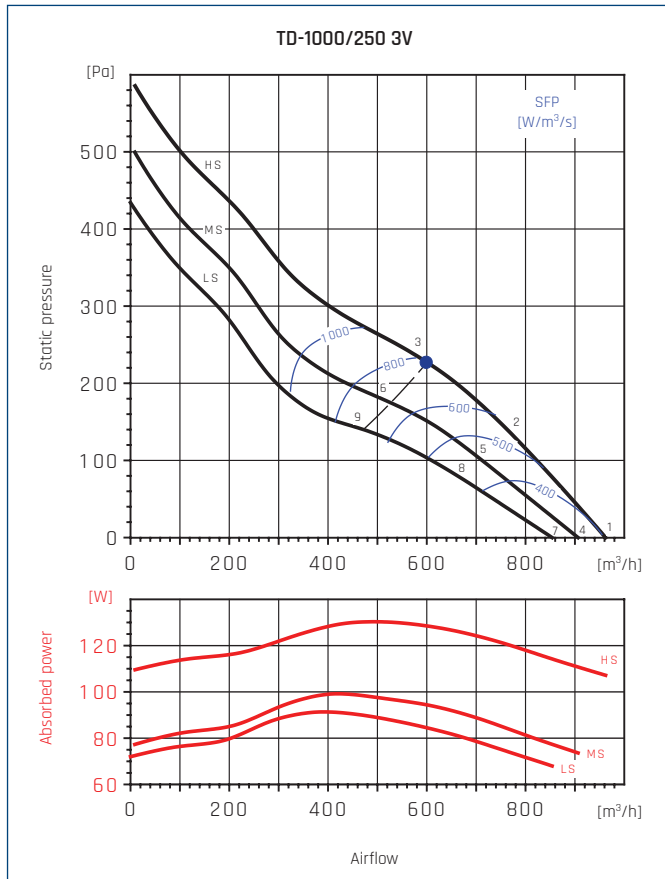
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ACOUSTIC CHARACTERISTICS

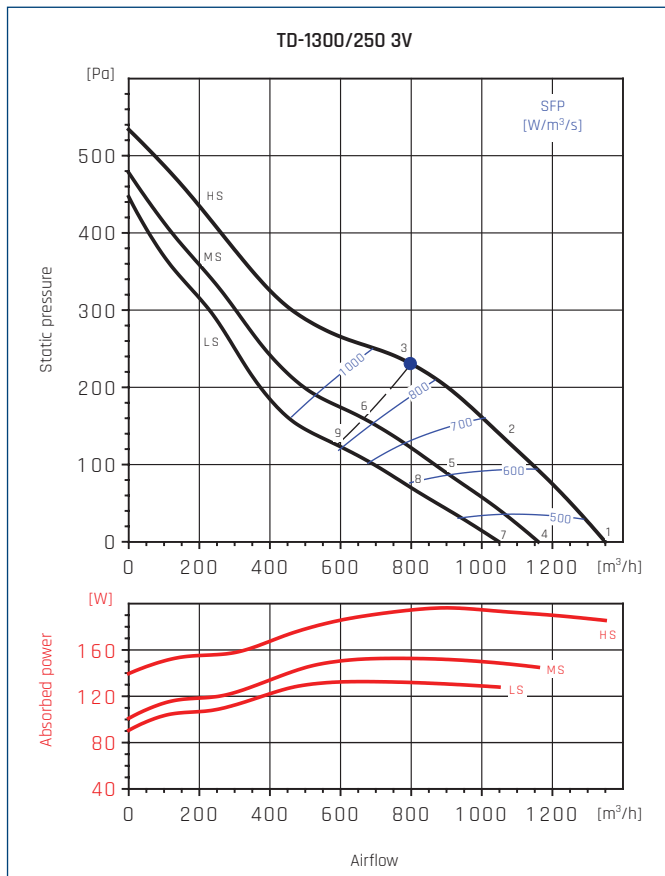
Hz/dB(A)	65	125	250	500	1000	2000	4000	8000	L _{WA}	
1	inlet	23	37	51	56	63	68	61	49	70
	outlet	44	43	50	59	67	68	62	49	71
	emitted	13	24	40	37	51	58	46	30	59
2	inlet	22	37	49	55	61	67	59	49	69
	outlet	38	37	48	58	67	67	60	49	71
emitted	12	24	38	36	49	57	44	30	58	
	3	inlet	24	36	50	55	62	66	60	51
outlet		31	34	49	60	67	67	60	49	71
emitted		14	23	39	36	50	56	45	32	57
4	inlet	21	35	54	52	59	63	55	43	65
	outlet	39	39	53	57	64	64	57	42	68
	emitted	13	21	45	35	47	54	42	26	55
5	inlet	22	34	51	51	58	62	53	43	64
	outlet	35	37	49	57	64	63	55	43	67
	emitted	14	20	42	34	46	53	40	26	54
6	inlet	26	36	49	52	59	62	54	46	65
	outlet	29	35	51	58	64	63	56	45	68
	emitted	18	22	40	35	47	53	41	29	54
7	inlet	32	33	54	50	56	62	50	38	64
	outlet	35	36	49	54	61	62	52	38	65
	emitted	26	20	48	34	45	55	37	22	56
8	inlet	26	32	48	49	55	59	49	38	61
	outlet	31	35	48	54	61	60	51	38	64
	emitted	20	19	42	33	44	52	36	22	53
9	inlet	22	33	49	50	56	60	51	41	62
	outlet	27	35	50	55	62	60	52	40	65
	emitted	16	20	43	34	45	53	38	25	54

Hz/dB(A)	65	125	250	500	1000	2000	4000	8000	L _{WA}	
1	inlet	25	39	53	58	63	67	60	48	70
	outlet	41	41	51	57	68	70	64	51	73
	emitted	12	25	40	37	50	59	48	31	60
2	inlet	21	35	49	53	60	67	60	51	69
	outlet	35	36	47	55	67	13	60	50	68
emitted	12	24	39	35	47	57	45	30	58	
	3	inlet	22	35	51	55	61	66	61	52
outlet		26	31	48	58	67	66	60	49	71
emitted		12	23	40	36	48	55	45	30	56
4	inlet	22	36	50	55	60	64	57	45	67
	outlet	38	38	48	55	66	67	61	48	70
	emitted	10	22	38	34	47	56	45	28	57
5	inlet	18	32	46	51	57	65	58	48	66
	outlet	33	33	45	53	64	10	58	47	66
	emitted	9	21	36	32	45	55	42	27	55
6	inlet	20	33	49	53	59	64	59	50	67
	outlet	24	29	46	56	65	64	58	47	69
	emitted	10	21	38	34	46	53	43	28	54
7	inlet	20	34	48	52	58	62	55	43	64
	outlet	36	36	45	52	63	64	59	46	68
	emitted	7	20	35	32	45	54	42	25	55
8	inlet	16	30	44	48	55	62	55	45	64
	outlet	30	30	42	50	62	8	55	45	63
	emitted	7	19	33	30	42	52	40	25	53
9	inlet	18	31	47	51	57	62	57	48	65
	outlet	23	27	45	55	63	62	56	46	67
	emitted	8	19	36	32	44	51	41	26	52

PERFORMANCE CURVES



● - highest efficiency point



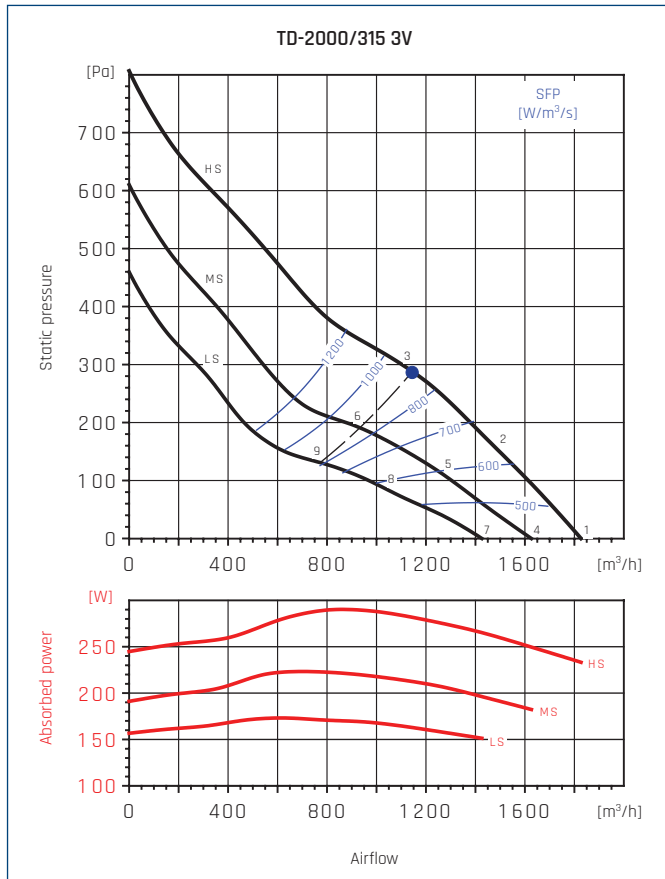
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ACOUSTIC CHARACTERISTICS

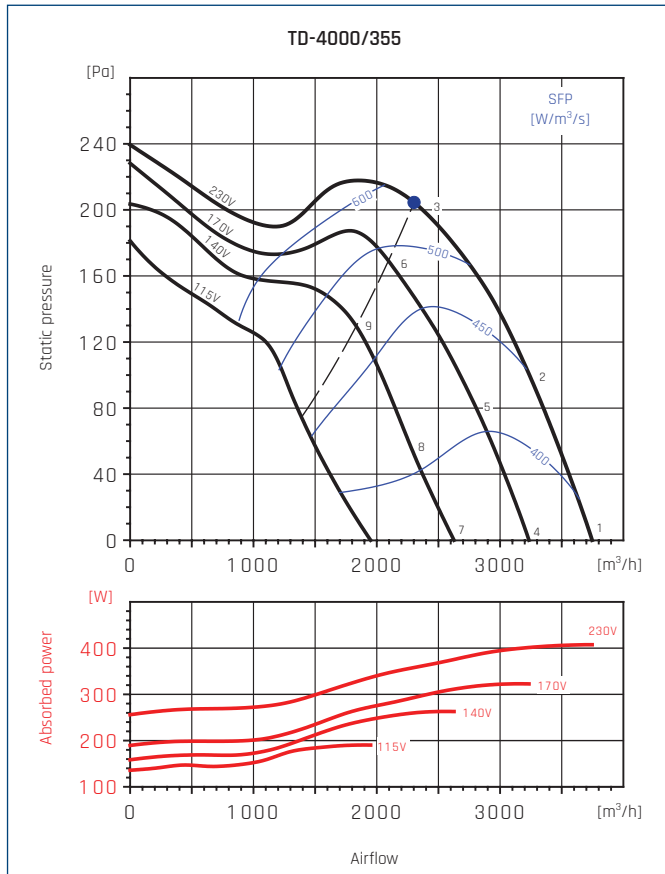
Hz/dB(A)	65	125	250	500	1000	2000	4000	8000	L _{WA}	
1	inlet	35	46	61	67	73	70	63	55	76
	outlet	55	50	64	72	74	75	67	58	79
	emitted	20	31	43	44	56	55	44	40	59
2	inlet	35	50	62	66	72	68	62	53	75
	outlet	46	45	67	72	74	74	67	57	79
	emitted	21	36	45	44	56	55	45	39	59
3	inlet	36	55	65	65	70	67	61	52	74
	outlet	40	49	69	73	73	74	67	57	79
	emitted	22	41	48	43	54	54	44	39	58
4	inlet	34	44	60	66	72	69	62	53	75
	outlet	53	48	63	71	73	73	65	57	78
	emitted	19	30	41	42	54	54	43	38	58
5	inlet	33	48	61	64	70	66	60	51	73
	outlet	45	44	65	71	72	73	65	55	77
	emitted	19	34	44	42	54	53	43	37	57
6	inlet	34	53	63	63	68	65	59	50	72
	outlet	38	47	67	71	71	72	65	55	77
	emitted	20	39	46	41	52	52	42	36	56
7	inlet	33	44	59	65	71	68	61	53	74
	outlet	53	48	62	70	72	73	65	56	77
	emitted	18	29	41	42	54	53	42	38	57
8	inlet	31	46	59	62	69	65	58	49	71
	outlet	43	42	63	69	70	71	63	53	75
	emitted	17	32	42	40	52	51	41	35	55
9	inlet	31	50	60	60	65	63	56	47	69
	outlet	35	44	64	68	68	69	62	52	74
	emitted	17	36	43	38	49	49	39	34	53

Hz/dB(A)	65	125	250	500	1000	2000	4000	8000	L _{WA}	
1	inlet	36	52	70	71	77	74	67	59	80
	outlet	54	54	68	77	81	80	72	61	85
	emitted	22	31	44	43	56	56	50	38	60
2	inlet	40	57	70	70	75	71	64	56	78
	outlet	45	51	69	78	79	78	69	58	83
	emitted	26	36	44	42	54	53	47	35	57
3	inlet	43	59	69	69	72	69	62	52	76
	outlet	42	52	70	77	77	75	67	56	82
	emitted	29	38	43	41	51	51	45	31	55
4	inlet	33	49	67	68	74	71	64	56	77
	outlet	51	51	65	74	78	77	69	58	82
	emitted	19	28	41	40	53	53	47	35	57
5	inlet	36	53	66	66	71	67	60	52	74
	outlet	41	47	65	74	75	74	65	54	79
	emitted	22	32	40	38	50	49	43	31	53
6	inlet	39	55	65	65	68	65	58	48	72
	outlet	38	48	66	73	73	71	63	52	77
	emitted	25	34	39	37	47	47	41	27	51
7	inlet	31	47	65	66	72	69	62	54	75
	outlet	49	49	63	72	76	75	67	56	79
	emitted	17	26	39	38	51	51	45	33	54
8	inlet	34	51	64	64	69	65	58	50	72
	outlet	38	44	62	71	72	71	62	51	77
	emitted	20	30	38	36	48	47	41	29	51
9	inlet	36	52	62	62	65	62	55	45	70
	outlet	35	45	63	70	70	68	60	49	75
	emitted	22	31	36	34	44	44	38	24	48

PERFORMANCE CURVES



● - highest efficiency point



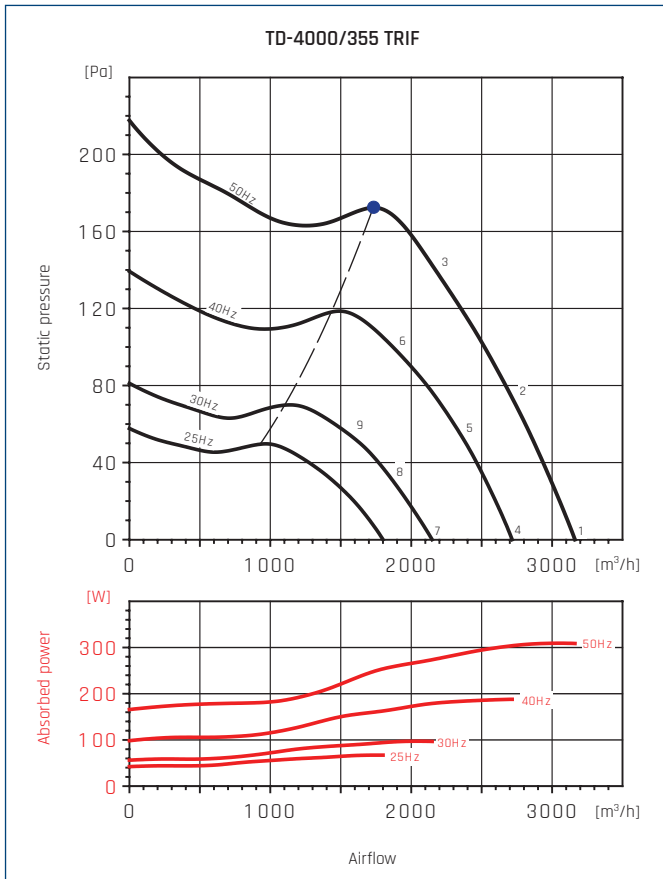
● - highest efficiency point

ACOUSTIC CHARACTERISTICS

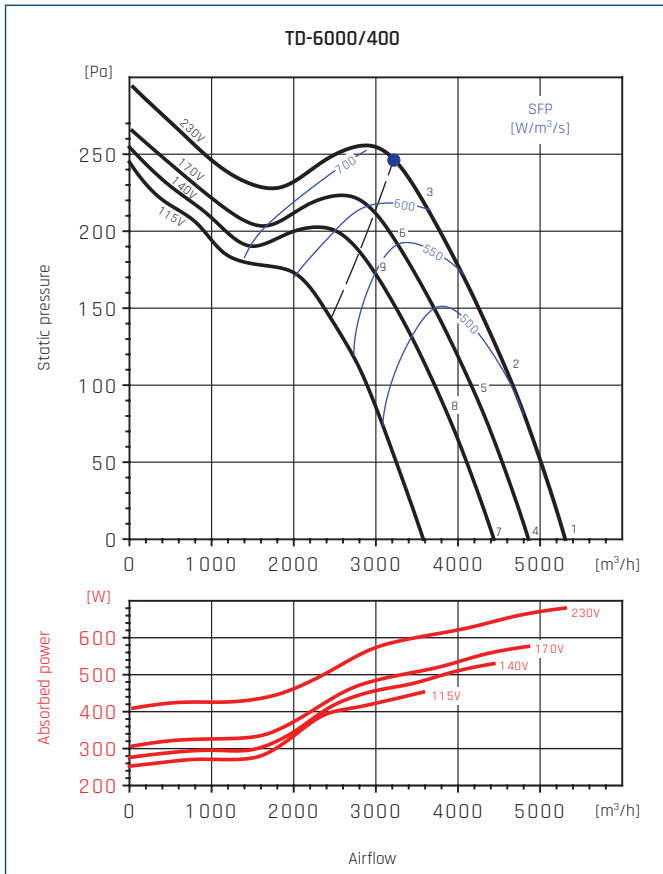
Hz/dB(A)		65	125	250	500	1000	2000	4000	8000	L _{WA}
1	inlet	39	56	64	69	77	74	67	62	80
	outlet	39	54	71	75	81	80	72	66	85
	emitted	38	41	51	59	68	65	58	54	71
2	inlet	38	57	66	70	78	74	67	61	80
	outlet	37	54	72	76	84	80	71	65	86
	emitted	37	42	53	60	69	65	58	53	71
3	inlet	38	61	68	68	75	71	65	58	78
	outlet	40	61	74	75	77	76	68	60	82
	emitted	37	46	55	58	66	62	56	50	68
4	inlet	38	55	63	68	76	73	66	61	79
	outlet	38	53	70	74	80	79	71	65	83
	emitted	37	40	50	58	67	64	57	53	69
5	inlet	36	55	64	68	76	72	65	59	78
	outlet	34	51	69	73	81	77	68	62	83
	emitted	35	40	51	58	67	63	56	51	69
6	inlet	34	57	64	64	71	67	61	54	74
	outlet	36	57	70	71	73	72	64	56	78
	emitted	33	42	51	54	62	58	52	46	65
7	inlet	35	52	60	65	73	70	63	58	76
	outlet	35	50	67	71	77	76	68	62	80
	emitted	34	37	47	55	64	61	54	50	67
8	inlet	33	52	61	65	73	69	62	56	75
	outlet	30	47	65	69	77	73	64	58	80
	emitted	32	37	48	55	64	60	53	48	66
9	inlet	30	53	60	60	67	63	57	50	70
	outlet	32	53	66	67	69	68	60	52	74
	emitted	29	38	47	50	58	54	48	42	61

Hz/dB(A)		65	125	250	500	1000	2000	4000	8000	L _{WA}
1	inlet	35	58	63	70	75	75	70	59	79
	outlet	64	65	67	73	76	74	68	60	80
	emitted	51	61	65	51	60	53	47	40	68
2	inlet	33	57	62	67	72	72	67	55	76
	outlet	58	59	66	70	73	71	65	55	77
	emitted	45	55	64	48	57	50	44	35	66
3	inlet	49	68	76	80	70	68	63	52	82
	outlet	45	63	66	69	71	68	61	52	75
	emitted	32	59	64	47	55	47	40	32	66
4	inlet	33	59	61	67	72	72	67	55	76
	outlet	61	63	64	70	73	71	65	55	77
	emitted	20	55	59	45	55	51	46	35	62
5	inlet	31	57	59	65	69	69	64	51	74
	outlet	56	58	64	68	71	69	62	51	75
	emitted	18	53	57	43	53	48	43	31	60
6	inlet	46	67	63	65	68	67	61	49	74
	outlet	44	63	65	67	69	67	60	51	74
	emitted	33	63	61	43	52	46	40	29	65
7	inlet	31	59	56	61	66	65	59	46	70
	outlet	53	58	58	64	67	65	57	46	71
	emitted	18	55	54	39	50	44	38	26	58
8	inlet	30	60	56	60	65	63	57	44	69
	outlet	47	60	58	62	65	62	54	43	69
	emitted	17	56	54	38	49	42	36	24	59
9	inlet	36	63	59	62	66	66	61	49	71
	outlet	40	62	61	65	67	65	59	48	72
	emitted	23	59	57	40	50	45	40	29	62

PERFORMANCE CURVES



• - highest efficiency point



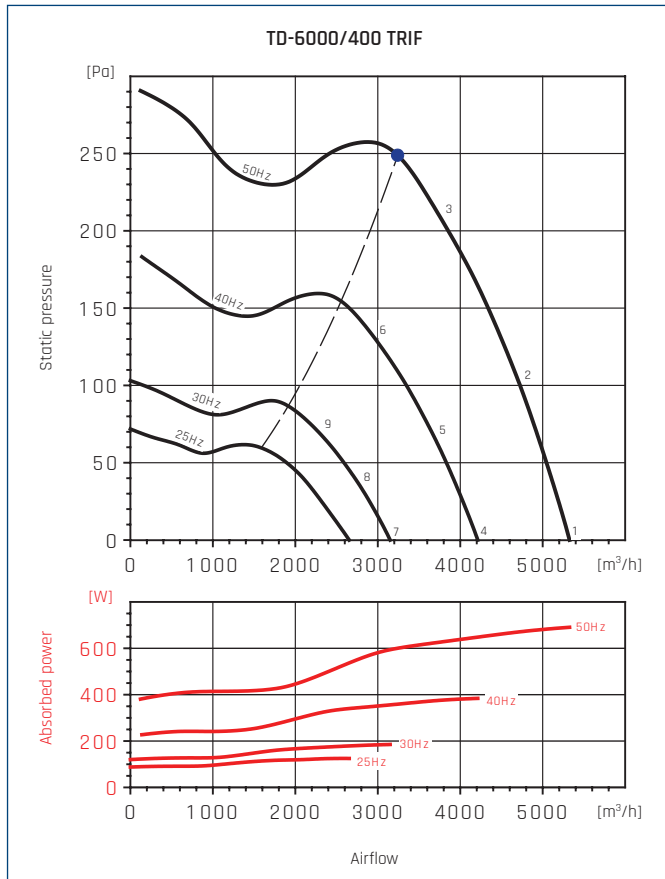
• - highest efficiency point

ACOUSTIC CHARACTERISTICS

Hz/dB(A)	65	125	250	500	1000	2000	4000	8000	L _{WA}	
1	inlet	32	63	59	64	69	68	63	53	73
	outlet	60	63	61	66	70	68	61	52	74
	emitted	9	54	39	44	53	47	45	34	58
2	inlet	30	59	56	63	67	66	60	52	71
	outlet	53	59	57	64	67	65	58	48	71
	emitted	7	50	36	43	51	45	42	33	55
3	inlet	46	65	62	64	67	65	60	52	72
	outlet	43	61	63	66	67	65	59	50	72
	emitted	23	56	42	44	51	44	42	33	58
4	inlet	29	61	54	60	66	63	57	49	70
	outlet	54	59	56	62	65	63	55	45	69
	emitted	6	52	34	40	50	42	39	30	55
5	inlet	28	67	52	58	63	61	55	47	70
	outlet	46	52	53	60	63	60	52	43	67
	emitted	5	58	32	38	47	40	37	28	58
6	inlet	43	63	55	59	64	61	55	47	69
	outlet	40	61	56	62	64	61	53	44	69
	emitted	20	54	35	39	48	40	37	28	55
7	inlet	26	52	48	54	59	55	50	43	62
	outlet	50	48	50	56	59	55	49	42	63
	emitted	3	43	28	34	43	34	32	24	47
8	inlet	25	50	46	53	56	52	49	42	60
	outlet	36	44	47	54	57	52	47	39	60
	emitted	2	41	26	33	40	31	31	23	44
9	inlet	35	52	48	54	56	52	50	41	61
	outlet	33	49	48	54	56	52	48	38	60
	emitted	12	43	28	34	40	31	32	22	46

Hz/dB(A)	65	125	250	500	1000	2000	4000	8000	L _{WA}	
1	inlet	42	63	68	75	79	79	72	63	83
	outlet	72	74	73	77	80	78	72	65	85
	emitted	25	46	51	54	62	56	49	40	64
2	inlet	41	63	68	75	78	77	70	60	82
	outlet	64	66	70	77	79	77	69	60	83
	emitted	24	46	51	54	61	54	47	37	63
3	inlet	52	69	67	70	74	72	65	55	78
	outlet	50	67	69	72	73	71	64	54	78
	emitted	35	52	50	49	57	49	42	32	60
4	inlet	40	62	67	74	78	77	71	62	82
	outlet	68	71	71	76	78	77	70	62	83
	emitted	23	43	50	52	61	53	49	39	63
5	inlet	39	61	67	73	77	76	69	59	81
	outlet	64	66	69	76	78	75	68	58	82
	emitted	22	42	50	51	60	52	47	36	62
6	inlet	51	69	66	70	72	71	64	54	77
	outlet	49	67	68	72	73	71	63	54	78
	emitted	34	50	49	48	55	47	42	31	58
7	inlet	39	61	66	71	76	75	68	58	80
	outlet	65	67	69	74	76	74	67	59	80
	emitted	23	42	49	50	59	52	47	36	61
8	inlet	38	60	66	71	75	74	66	56	79
	outlet	61	63	68	74	76	73	66	56	80
	emitted	22	41	49	50	58	51	45	34	60
9	inlet	51	72	69	72	74	71	64	54	79
	outlet	51	68	71	74	74	71	64	54	79
	emitted	35	53	52	51	57	48	43	32	60

PERFORMANCE CURVES

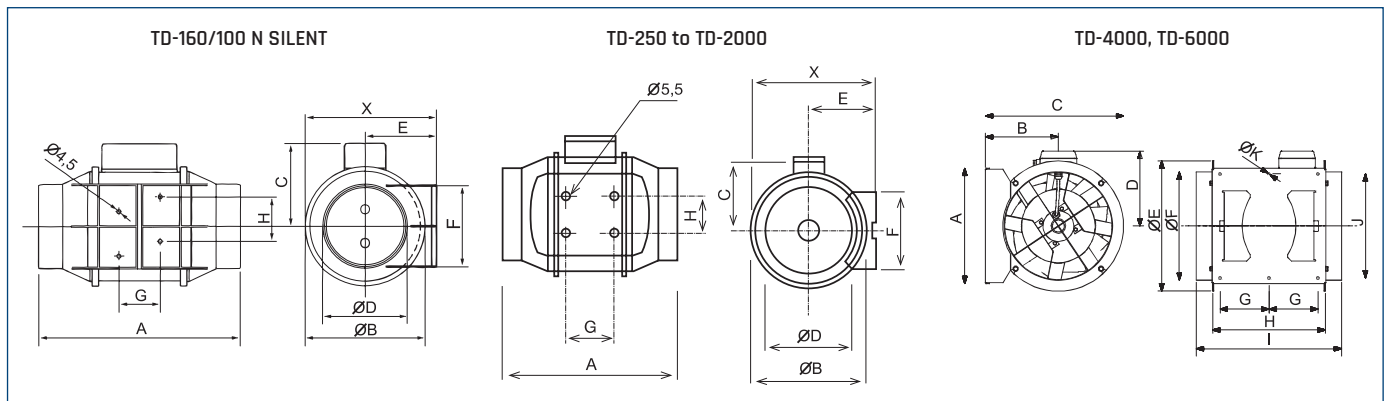


• - highest efficiency point

ACOUSTIC CHARACTERISTICS

Hz/dB(A)	65	125	250	500	1000	2000	4000	8000	L _{WA}	
1	inlet	41	62	67	75	80	80	72	68	84
	outlet	72	75	74	76	79	78	71	65	84
	emitted	19	46	49	51	63	56	50	46	64
2	inlet	39	61	68	74	79	79	71	67	83
	outlet	67	69	71	76	79	76	69	62	83
	emitted	17	45	50	50	62	55	49	45	64
3	inlet	51	70	67	71	74	78	65	66	81
	outlet	62	65	70	75	77	75	68	60	81
	emitted	29	54	49	47	57	54	43	44	61
4	inlet	37	61	63	69	76	81	67	63	83
	outlet	66	68	66	71	74	72	66	59	79
	emitted	15	45	45	45	59	57	45	41	62
5	inlet	35	59	63	69	74	81	65	62	82
	outlet	61	63	65	71	73	70	64	57	77
	emitted	13	43	45	45	57	57	43	40	60
6	inlet	46	64	60	64	72	81	60	59	82
	outlet	55	61	64	69	72	69	63	55	76
	emitted	24	48	42	40	55	57	38	37	60
7	inlet	33	58	56	62	66	65	58	51	70
	outlet	57	59	57	64	67	64	58	52	71
	emitted	11	42	38	38	49	41	36	29	51
8	inlet	32	58	55	62	65	63	55	51	69
	outlet	51	56	56	64	65	61	55	52	69
	emitted	10	42	37	38	48	39	33	29	50
9	inlet	36	59	55	60	64	62	54	52	68
	outlet	45	56	56	62	65	61	54	52	69
	emitted	14	43	37	36	47	38	32	30	49

DIMENSIONS [mm]



Type	X	A	ØB	C	ØD	E	F	G	H
TD-160/100N SILENT	151	232	135,5	35,5	97	82	95	47,5	51,1
TD-250/100	188	303	176	115	97	100	90	80	60
TD-350/125	188	258	176	115	123	100	90	80	60
TD-500/150	212	295	200	127	147	112	130	80	60
TD-500/160	212	295	200	127	157	112	130	80	60
TD-800/200N	232,5	302	217	141	198	124	140	100	94
TD-800/200	232,5	302	217	141	198	124	140	100	94
TD-1000/250	291	386	272	192	248	155	168	145	140
TD-1300/250	291	386	272	192	248	155	168	145	140
TD-2000/315	356	450	336	224	312	188	210	182	178

Type	A	B	C	D	ØE	ØF	G	H	I	J	ØK
TD-4000/355	377	238	451	224	426	354	150	368	474	340	8,5
TD-6000/400	407	249	492	267	487	399	160	425	547	370	8,5

ACCESSORY ASSEMBLY



1	2	3				
		channel filter DF	channel filter DF-K			
			cartridge filter to DF-K			
Type			EU3	EU5	EU7	EU9
TD-160/100N SILENT	40520610	40521710	40520800	40520805	40520810	40520820
TD-250/100	40520610	40521710	40520800	40520805	40520810	40520820
TD-350/125	40520620	40521715	40520800	40520805	40520810	40520820
TD-500/150 3V	40520630*	40521720*	40520800*	40520805*	40520810*	40520820*
TD-500/160 3V	40520630	40521720	40520800	40520805	40520810	40520820
TD-800/200 3V	40520640	40521725	40520800	40520805	40520810	40520820
TD-800/200N 3V	40520640	40521725	40520800	40520805	40520810	40520820
TD-1000/250 3V	40520650	40521730	40520800	40520805	40520810	40520820
TD-1300/250 3V	40520650	40521730	40520800	40520805	40520810	40520820
TD-2000/315 3V	40520660	40521735	40520830	40520835	40520840	-
TD-4000/355	40520670	40521740	40520830	40520835	40520840	-
TD-6000/400	40520675	40521745	40520830	40520835	40520840	-
TD-4000/355 TRIF	40520670	40521740	40520830	40520835	40520840	-
TD-6000/400 TRIF	40520675	40521745	40520830	40520835	40520840	-

1	4	5	6		7	8
			flexible silencer AKU COMP			
			0,6m	1,2m		
Type	backdraft shutter CAR-PL	anti-vibration connector ACOP PL			throttle IRIS	vent KWO
TD-160/100N SILENT	40521010-01	40521810	40521510	40521610	19527100	40522520
TD-250/100	40521010-01	40521810	40521510	40521610	19527100	40522520
TD-350/125	40521020-01	40521815	40521520	40521620	19527125	40522530
TD-500/150 3V	40521029-01	40521818	40521530*	40521630*	19527160*	40522540*
TD-500/160 3V	40521030-01	40521820	40521530	40521630	19527160	40522540
TD-800/200 3V	40521040-01	40521825	40521540	40521640	19527200	40522550
TD-800/200N 3V	40521040-01	40521825	40521540	40521640	19527200	40522550
TD-1000/250 3V	40521050-01	40521830	40521550	40521650	19527250	40522560
TD-1300/250 3V	40521050-01	40521830	40521550	40521650	19527250	40522560
TD-2000/315 3V	40521060-01	40521835	40521560	40521660	19527315	40522570
TD-4000/355	40521065-01	40521840	-	-	-	-
TD-6000/400	40521070-01	40521845	-	-	19527400	40522580
TD-4000/355 TRIF	40521065-01	40521840	-	-	-	-
TD-6000/400 TRIF	40521070-01	40521845	-	-	-	40522580

* assembly accessories dedicated to a diameter of 160 mm

channel filter DF p. 243	channel filter DFK...+EU p. 244	backdraft shutter CAR-PL p. 247	anti-vibration connector ACOP-PL p. 246	flexible silencer AKU-COMP p. 241	throttle IRIS p. 248	vent KWO p. 661	diffuser AKT/AKK p. 658	heater DH/DH-R p. 233	TWIN BASE p. 53

ELECTRICAL ACCESSORIES

Type	2 speed switch	3 speed switch	wall thermostat	duct thermostat	air quality sensor	humidistat	thyristor regulator		
	REGUL 2	INTER 4P	TS	TK-1	SQA	HIG-2	REB N	REB NE	TLR
TD-160/100N SILENT	40025000	-	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-250/100	40025000	-	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-350/125	40025000	-	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-500/150 3V	-	40024990	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-500/160 3V	-	40024990	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-800/200 3V	-	40024990	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-800/200N 3V	-	40024990	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-1000/250 3V	-	40024990	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-1300/250 3V	-	40024990	40025345	40025330	40025140	40025150	40025010	40025020	40025025
TD-2000/315 3V	-	40024990	40025345	40025330	40025140	40025150	40025030	40025040	40025025
TD-4000/355	-	-	40025345	40025330	40025140	40025150	40025030	40025040	40025045
TD-6000/400	-	-	40025345	40025330	40025140 + contactor	40025150	40025051	40025051	-
TD-4000/355 TRIF	-	-	40025345 + contactor	40025330 + contactor	40025140+ contactor	40025150 + contactor	-	-	-
TD-6000/400 TRIF	-	-	-	-	-	-	-	-	-

Type	11-speed thyristor regulator	2-adjustable 6-speed thyristor regulator	ERV	transformer regulator			transformer regulator 2-adjustable		inverter
	IRF	RND-1		RMB	RVS	RMT	SC2	SC2A	
TD-160/100N SILENT	-	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-250/100	-	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-350/125	-	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-500/150 3V	-	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-500/160 3V	-	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-800/200 3V	40015154	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-800/200N 3V	40015154	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-1000/250 3V	40015154	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-1300/250 3V	40015154	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-2000/315 3V	40015154	40025630	40025046	40025060	40025232	-	40025250	40025251	-
TD-4000/355	40015154	40025630	40025046	40025070	40025234	-	40025252	40025253	-
TD-6000/400	40015154	-	40025053	40025080	-	-	40025256	40025257	-
TD-4000/355 TRIF	-	-	-	-	-	40025105	-	-	40016302
TD-6000/400 TRIF	-	-	-	-	-	40025105	-	-	40016312



ERP CHARACTERISTICS

RVU*				
	Name	TD-160/100N SILENT	TD-250/100	TD-350/125
a	supplier name	VENTURE INDUSTRIES/ SOLER&PALAU	VENTURE INDUSTRIES/ SOLER&PALAU	VENTURE INDUSTRIES/ SOLER&PALAU
b	article number	40020710	40020720	40020730
c	SEC average [kWh/m².a]	-11,1	-12,3	-13,7
c	SEC cold	-27,5	-28,7	-30,1
c	SEC warm	-1,7	-2,9	-4,3
c	SEC class	not applicable	not applicable	not applicable
d	device category	RVU	RVU	RVU
d	device type	UVU	UVU	UVU
e	type of drive	2-speed	2-speed	2-speed
f	type of heat recovery system	not applicable	not applicable	not applicable
g	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable
h	maximum flow rate [m³/h]	125	185	248
i	electric power input [W]	28,3	25,9	25,9
j	sound power level [dB(A)]	43	50	49
k	reference flow rate [m³/s]	0,024	0,037	0,05
l	reference pressure difference [Pa]	43	46	38
m	SPI [W/m³/h]	0,193	0,154	0,110
n	control factor	1	1	1
o	maximum external leakage for BVU [%]	5	5	5
p	mixing rate	not applicable	not applicable	not applicable
q	position of visual filter warning	not applicable	not applicable	not applicable
r	instructions to install supply grilles	not applicable	not applicable	not applicable
s	internet address	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com
t	airflow sensitivity to pressure variation	not applicable	not applicable	not applicable
u	indoor/outdoor air tightness [m³/h]	not applicable	not applicable	not applicable
v	annual electricity consumption - average climate [kWh/a]	242	193	138
v	annual electricity consumption - warm climate [kWh/a]	242	193	138
v	annual electricity consumption - cold climate [kWh/a]	242	193	138
w	annual heating saved - average climate [kWh/a]			
w	annual heating saved - warm climate [kWh/a]			
w	annual heating saved - cold climate [kWh/a]			
	MISC	1,1	1,1	1,1
	x-value	1,2	1,2	1,2

* RVU - "residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1253/2014

ERP CHARACTERISTICS

NRVU*							
	Name	TD-500/150 3V	TD-500/160 3V	TD-800/200N 3V	TD-800/200 3V	TD-1000/250 3V	TD-1300/250 3V
a	supplier name	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU
b	article number	40020745-02	40020740-02	40020760-01	40020754-01	40020770-01	40020780-01
c	device category	NRVU	NRVU	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU	UVU	UVU
d	type of drive	3-speed	3-speed	3-speed	3-speed	3-speed	3-speed
e	type of heat recovery system	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
g	reference flow rate in NRVU [m³/s]	0,146	0,094	0,146	0,174	0,17	0,222
h	effective electric power input [kW]	0,094	0,052	0,094	0,119	0,13	0,194
i	SFP _{int} [W/(m³/s)]	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
j	face velocity [m/s]	4,5	3,6	4,5	5,4	3,4	4,5
k	Δps, ext (Pa)	204	168	204	249	228	230
l	Δps, int (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
m	Δps, add (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
n	static efficiency of fans [%]	31,5	30,4	31,5	36,6	29,6	26,2
o	maximum external leakage rate [%]	5	5	5	5	3	5
p	maximum internal leakage rate [%]	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
q	energy performance	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
r	visual filter warning	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
s	L _{wa} [dB(A)]	57	54	57	60	59	55
	internet address	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com

NRVU*						
	Name	TD-500/150 3V	TD-500/160 3V	TD-800/200N 3V	TD-800/200 3V	TD-1000/250 3V
a	supplier name	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU	VENTURE INDUSTRIES/SOLER&PALAU
b	article number	40020790-01	40020792	40020794	40020793	40020795
c	device category	NRVU	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU	UVU
d	type of drive	3-speed	3-speed	3-speed	3-speed	3-speed
e	type of heat recovery system	not applicable	not applicable	not applicable	not applicable	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable	not applicable
g	reference flow rate in NRVU [m³/s]	0,319	0,639	0,892	0,482	0,899
h	effective electric power input [kW]	0,282	0,357	0,586	0,249	0,665
i	SFP _{int} [W/(m³/s)]	not applicable	not applicable	not applicable	not applicable	not applicable
j	face velocity [m/s]	4,1	6,5	7,1	4,9	7,2
k	Δps, ext (Pa)	289	204	245	173	248
l	Δps, int (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable
m	Δps, add (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable
n	static efficiency of fans [%]	32,6	36,6	not applicable	not applicable	not applicable
o	maximum external leakage rate [%]	5	5	5	5	5
p	maximum internal leakage rate [%]	not applicable	not applicable	not applicable	not applicable	not applicable
q	energy performance	not applicable	not applicable	not applicable	not applicable	not applicable
r	visual filter warning	not applicable	not applicable	not applicable	not applicable	not applicable
s	L _{wa} [dB(A)]	68	66	64	58	64
	internet address	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com

* NRVU - "non-residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1254/2014.