

Construction

TD - the new generation of In-Line fans suit 6 different standard ducts (Ø100-315mm). Max flow 2050m³/h and max pressure 950Pa. The TD-fans are suitable for close-installation to ceilings, walls and to joists and they also are aesthetical attractive. The TD-fans can be horizontal or vertical installed.

The TD-fans can easily be dismantled for cleaning and service by loosen 2 binding clips without affecting the ducting. The switch connector is mounted on the outside for easy electrical installation. TD-250, 350, 500 and TD-800 have casing in reinforced plastic, TD-160, 1300 and TD-2000 have casing in steel sheet protected with epoxy paint. (TD-800 has fixing flanges in epoxy painted steel sheet).

All sizes have easy dismantlable impellers in reinforced plastic (TD-1300 and TD-2000 have impellers in punched steel sheet).

Motor

TD-160, 250 and TD-350:

220-240V, 50Hz single-phase asynchronous motor with built in fuse in the winding. Enclosure IP44. The motors are equipped with sleeve bearings and wound for 2 speeds, i.e. with a two-pole switch, one high speed (HF) and one low speed (LF) is obtained.

TD-500, 800, 1300 and TD-2000:

220-240V, 50Hz single-phase asynchronous motor with built in thermal protection (manually reset thermal contact can be supplied). Enclosure IP44. The motors are equipped with ball bearing and wined for 2 speeds, i.e. with a two-pole switch, one high speed (HF) and one low speed (LF) is obtained.

Wiring diagram, see page 178.

Accessories

The TD-fans can be equipped with following:

- 2 speed switches
- Electronic regulator for variable speed control

Accessories



Duct Filter DF
page 20



Duct Heater DH
page 16



Backdraught Shutter CAR
page 22



2-speed Switch REGUL-2
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Electronic Regulator REB
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Speed Controller RMB
page 176



HIG-2



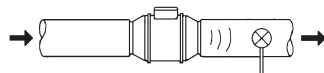
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Technical specification

Type	Speed rpm	Maximum power absorbed W	Maximum current A	Maximum duty m³/h	Maximum temperature °C	Sound level* dB (A)	Weight kg	Article number
TD-160/100	2500 (HF) 2100 (LF)	35 23	0.25 0.15	160 130	-20 +40	18 14	1.4	112 202 061
TD-250/100	1880 (HF) 1475 (LF)	39 26	0.26 0.18	250 185	-20 +40	28 23	2.0	112 202 065
TD-350/125	2210 (HF) 1900 (LF)	56 40	0.37 0.26	360 300	-20 +40	30 26	2.0	112 202 073
TD-500/160	2500 (HF) 1850 (LF)	68 50	0.30 0.22	535 400	-40 +60	41 33	2.7	112 202 102
TD-800/200N	2700 (HF) 2100 (LF)	80 70	0.35 0.30	907 700	-40 +60	41 36	4.9	112 202 153
TD-800/200	2450 (HF) 2040 (LF)	128 96	0.55 0.41	880 665	-40 +60	45 37	4.9	112 202 152
TD-1000/250	2800 (HF) 2100 (LF)	155 85	0.65 0.39	1010 850	-40 +60	49 33	9.4	112 202 201
TD-1300/250	2520 (HF) 1990 (LF)	170 110	0.72 0.48	1300 950	-40 +60	49 44	9.4	112 202 221
TD-2000/315	2760 (HF) 2510 (LF)	350 200	1.30 0.90	1990 1510	-40 +60	52 50	14.0	112 202 251

* 3m distance with fan ducted

Sound level in duct HF

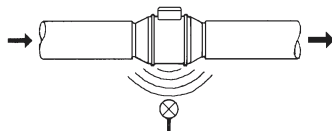


Frequency Hz \ dB (A)	125	250	500	1000	2000	4000	8000
TD-160/100	37	41	55	57	49	41	32
TD-250/100	37	48	57	59	55	49	40
TD-350/125	37	49	58	60	56	50	41
TD-500/160	39	55	62	63	65	58	46
TD-800/200N	43	62	59	62	63	58	47
TD-800/200	44	55	70	66	68	63	54
TD-1000/250	43	57	67	73	73	67	55
TD-1300/250	43	57	67	73	73	67	55
TD-2000/315	46	60	70	75	75	69	58

Dimensions in mm

Type	X	A	ØB	C	ØD	E	F	G	H
TD-160/100	151.0	215	132	105	100	70	145	36	131
TD-250/100	188.0	303	176	115	97	100	90	80	60
TD-350/125	188.0	258	176	115	123	100	90	80	60
TD-500/160	212.5	275	200	127	157	111.5	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	291.0	386	272	192	248	155	168	145	145
TD-1300/250	291.0	386	272	192	248	155	168	145	145
TD-2000/315	349.0	450	336	224	312	181	210	182	182

Sound level outside duct HF



Frequency Hz \ dB (A)	125	250	500	1000	2000	4000	8000
TD-160/100	30	30	35	31	28	22	20
TD-250/100	30	40	45	45	35	28	21
TD-350/125	30	41	47	46	36	29	22
TD-500/160	33	50	51	59	54	42	36
TD-800/200N	36	57	48	58	52	42	37
TD-800/200	37	50	59	62	57	47	44
TD-1000/250	36	52	56	69	62	51	45
TD-1300/250	36	52	56	69	62	51	45
TD-2000/315	39	55	59	72	65	54	48

