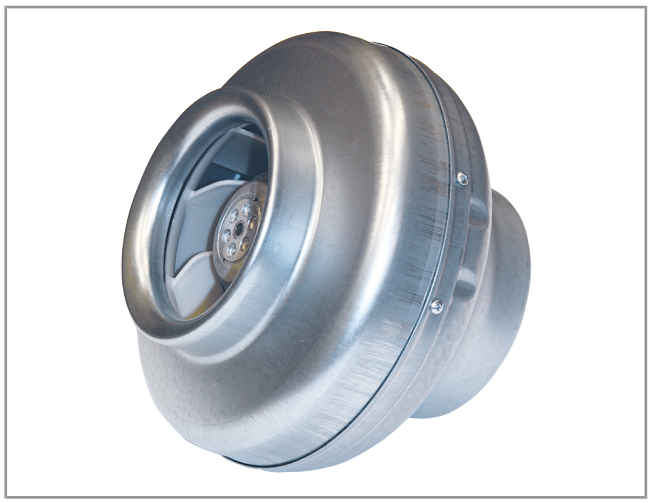
Circular duct fan

TF



Description

The TF is an in-line centrifugal duct fan with high capacity and excellent reliability. The straight through radial fan is compact and very easy to install. It can cope with high pressure and long duct runs, whilst still operating at acceptable sound levels.

The TF range of fans have casings manufactured from galvanised steel and are moisture resistant.

They are approved for installation in humid or damp environments being rated IP44 when installed in a duct system.

The fan speed can be controlled by voltage variation regulators. Several fans can be connected to the same regulator.

The motors are an external rotor type motor. They have maintenance free sealed ball bearings and are protected from over-heating by thermo contacts.

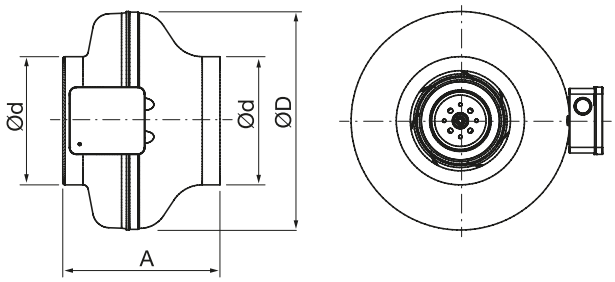
In most cases the fans have two motor sizes per fan. One low effect (low airflow) and one high effect H (high airflow).

Order code

Product	TF
Size	100
Performance	H

Order example: TF-100-H

Dimensions

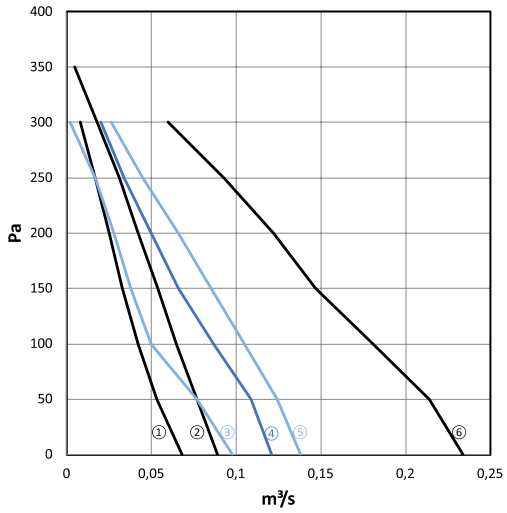


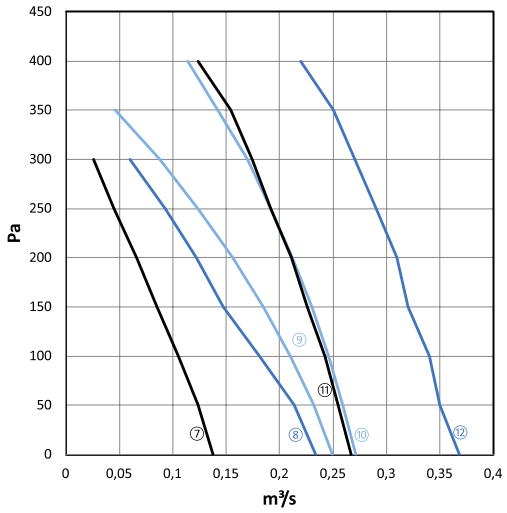
Product	$Ød_{nom}$ mm	ØD mm	A mm	m kg
TF100	100	243	188	2,60
TF100H	100	243	188	2,60
TF125	125	243	188	2,70
TF125H	125	243	188	2,70
TF150	150	271	191	3,00
TF150H	150	345	228	4,00
TF160	160	271	195	2,90
TF160H	160	345	226	4,00
TF200	200	345	228	4,20
TF200H	200	345	228	4,90
TF250	250	345	228	4,30
TF250H	250	345	228	4,90
TF315	315	402	257	5,90

Lindab reserves the right to make changes without prior notice.

Circular duct fan TF

Technical data





Graph ref.	Product	m³/s @ Pa 0	50	100	150	200	250	300	350	400	Motor W	Amps FLC	Speed RPM
1	TF100	0,068	0,053	0,042	0,033	0,025	0,017	0,008			41	0,18	1730
2	TF100H	0,089	0,077	0,065	0,054	0,042	0,031	0,018	0,005		62	0,27	2530
3	TF125	0,098	0,077	0,05	0,038	0,028	0,017	0,002			40	0,18	1640
4	TF125H	0,121	0,109	0,087	0,066	0,05	0,034	0,02			62	0,27	2480
5	TF150	0,138	0,124	0,105	0,085	0,066	0,045	0,026			62	0,27	2540
6	TF150H	0,234	0,214	0,181	0,147	0,122	0,903	0,06			101	0,44	2480
7	TF160	0,138	0,124	0,105	0,085	0,066	0,045	0,026			62	0,27	2540
8	TF160H	0,234	0,214	0,181	0,147	0,122	0,093	0,06			101	0,44	2480
9	TF200	0,249	0,232	0,21	0,185	0,156	0,124	0,088	0,046		115	0,51	2580
10	TF200H	0,271	0,259	0,246	0,23	0,212	0,192	0,17	0,142	0,114	145	0,63	2750
11	TF250H	0,267	0,255	0,242	0,226	0,211	0,192	0,174	0,154	0,124	145	0,63	2750
12	TF315	0,368	0,35	0,34	0,32	0,31	0,29	0,27	0,25	0,22	224	0,97	2770

Graph ref.	Product	Frequency	63	125	250	500	1K	2K	4K	8K	dB (A) @ 3 m
1	TF100	Inlet	45	56	64	60	58	52	45	38	
		Outlet	44	56	64	60	58	53	45	38	40
		Breakout	34	21	37	37	42	39	41	34	
2	TF100H	Inlet	50	61	66	65	65	58	52	46	
		Outlet	49	64	66	65	64	60	54	48	44
		Breakout	33	24	40	40	45	42	44	38	
3	TF125	Inlet	45	53	65	62	59	53	47	39	
		Outlet	44	52	65	61	57	53	48	40	40
		Breakout	33	22	39	36	40	39	41	33	
4	TF125H	Inlet	52	56	68	67	65	59	55	48	
		Outlet	46	58	63	66	63	60	56	49	44
		Breakout	33	25	40	40	44	43	45	38	
5	TF150	Inlet	48	55	65	65	63	58	53	48	
		Outlet	48	56	61	63	63	59	58	49	43
		Breakout	33	24	39	40	45	44	44	32	
6	TF150H	Inlet	48	61	65	71	69	61	62	52	
		Outlet	50	59	61	66	68	63	62	53	49
		Breakout	33	34	39	49	53	47	48	35	

Circular duct fan

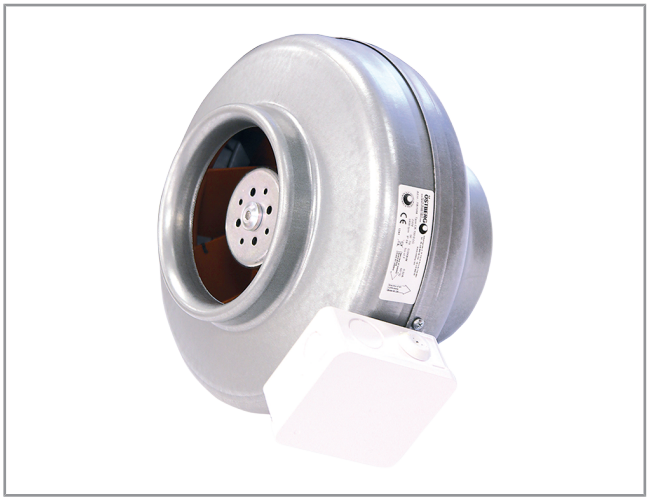
TF

Graph ref.	Product	Frequency	63	125	250	500	1K	2K	4K	8K	dB (A) @ 3 m
7	TF160	Inlet	48	55	71	65	63	58	53	48	
		Outlet	48	56	64	63	63	59	58	49	43
		Breakout	33	31	42	40	45	44	44	32	
8	TF160H	Inlet	48	61	71	71	69	61	62	52	
		Outlet	50	59	64	66	68	63	62	53	49
		Breakout	33	34	42	49	53	47	48	35	
9	TF200	Inlet	50	61	69	71	67	63	60	53	
		Outlet	49	60	65	67	65	63	62	53	47
		Breakout	32	31	41	46	49	47	46	33	
10	TF200H	Inlet	54	62	67	69	66	63	62	56	
		Outlet	57	60	68	69	67	65	64	58	45
		Breakout	25	33	40	45	47	43	43	34	
11	TF250H	Inlet	53	60	64	65	67	63	63	61	
		Outlet	55	60	70	65	67	65	63	60	48
		Breakout	25	30	34	48	50	47	44	38	
12	TF315H	Inlet	55	60	64	64	64	68	69	64	
		Outlet	57	60	71	65	66	69	69	62	48
		Breakout	25	44	48	46	46	47	46	36	

Lindab reserves the right to make changes without prior notice.

Circular duct fan

TF EC



Description

TF EC has the same high quality and accessories as the regular TF.

The EC (Electronically commutated) motor has an electronic control unit integrated into the motor, which increases its efficiency.

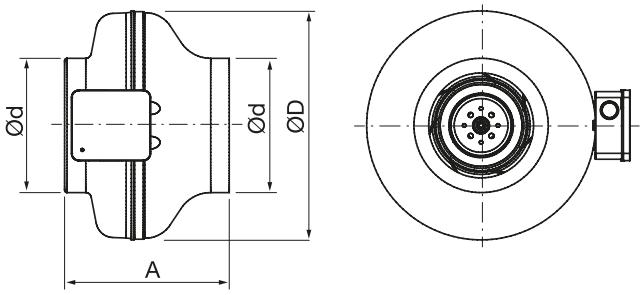
The fan speed can be controlled by a 0-10 VDC.

Order code

Product	TF EC
Size	100
Performance	H
Motor	EC

Order example: TF EC-100-H-EC

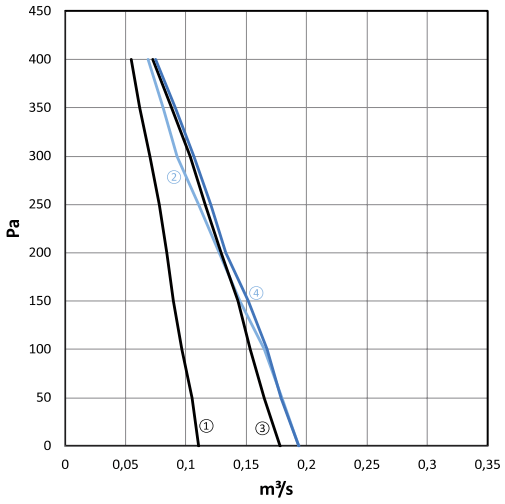
Dimensions

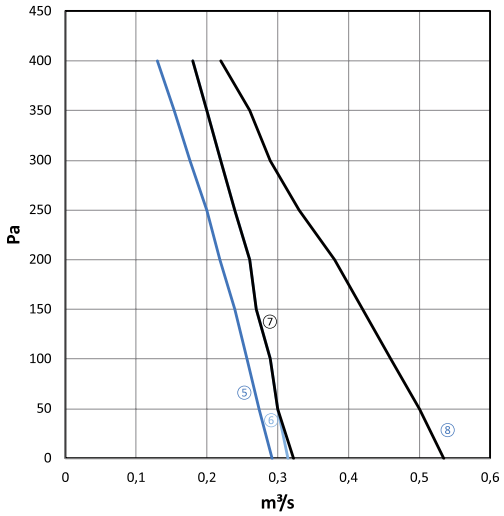


Product	$Ød_{nom}$ mm	ØD mm	A mm	m kg
TF100H EC	100	243	188	2,60
TF125H EC	125	243	188	2,60
TF150 EC	150	271	191	2,80
TF150H EC	150	345	226	3,90
TF160 EC	160	271	195	2,80
TF160H EC	160	345	226	3,90
TF200H EC	200	345	228	4,00
TF250 EC	250	345	228	4,10
TF315H EC	315	402	257	6,20

Circular duct fan TF EC

Technical data





Graph ref.	Product	m³/s @ Pa 0	50	100	150	200	250	300	350	400	Motor W	Amps FLC	Speed RPM
1	TF100H EC	0,111	0,105	0,097	0,090	0,084	0,078	0,070	0,062	0,055	111	0,90	3600
2	TF125H EC	0,194	0,18	0,165	0,145	0,128	0,111	0,093	0,081	0,069	105	0,86	3400
3	TF150 EC	0,178	0,165	0,153	0,143	0,129	0,116	0,104	0.088	0,073	99	0,82	3400
4	TF160 EC	0,194	0,179	0,167	0,152	0,133	0,121	0,107	0,091	0,075	103	0,83	3390
5	TF160H EC	0,292	0,274	0,257	0,24	0,218	0,2	0,176	0,154	0,13	132	1,06	3170
6	TF200H EC	0,314	0,3	0,29	0,27	0,26	0,24	0,22	0,2	0,18	154	1,21	3250
7	TF250 EC	0,322	0,3	0,29	0,27	0,26	0,24	0,22	0,2	0,18	155	1,25	3330
8	TF315H EC	0,535	0,5	0,46	0,42	0,38	0,33	0,29	0,26	0,22	226	1,00	2624

Graph ref.	Product	Frequency	63	125	250	500	1K	2K	4K	8K	dB (A) @ 3 m
1	TF100H EC	Inlet	45	56	64	60	58	52	45	38	
		Outlet	44	56	64	60	58	53	45	38	40
		Breakout	34	21	37	37	42	39	41	34	
2	TF125H EC	Inlet	50	61	66	65	65	58	52	46	
		Outlet	49	64	66	65	64	60	54	48	44
		Breakout	33	24	40	40	45	42	44	38	
3	TF150 EC	Inlet	45	53	65	62	59	53	47	39	
		Outlet	44	52	65	61	57	53	48	40	40
		Breakout	33	22	39	36	40	39	41	33	
4	TF160 EC	Inlet	52	56	68	67	65	59	55	48	
		Outlet	46	58	63	66	63	60	56	49	44
		Breakout	33	25	40	40	44	43	45	38	
5	TF160H EC	Inlet	48	55	65	65	63	58	53	48	
		Outlet	48	56	61	63	63	59	58	49	43
		Breakout	33	24	39	40	45	44	44	32	
6	TF200H EC	Inlet	48	61	65	71	69	61	62	52	
		Outlet	50	59	61	66	68	63	62	53	49
		Breakout	33	34	39	49	53	47	48	35	

Circular duct fan

TF EC

Graph ref.	Product	Frequency	63	125	250	500	1K	2K	4K	8K	dB (A) @ 3 m
7	TF250 EC	Inlet	48	55	71	65	63	58	53	48	
		Outlet	48	56	64	63	63	59	58	49	43
		Breakout	33	31	42	40	45	44	44	32	
8	TF315H EC	Inlet	50	61	69	71	67	63	60	53	
		Outlet	49	60	65	67	65	63	62	53	47
		Breakout	32	31	41	46	49	47	46	33	