

CTD

Centrifugal roof-mounted extract fans for household ventilation



Centrifugal roof-mounted household chimney extract fans with low noise level for household ventilation pursuant to the CTE (Technical Building Code).

Fan:

- Sheet steel support base.
- Impeller with reaction blades made of sheet steel.
- Rain cap made of galvanised sheet steel, with corrosion-proof protection.
- Adjustable by voltage change.
- Safety switch provided on request.

Motor:

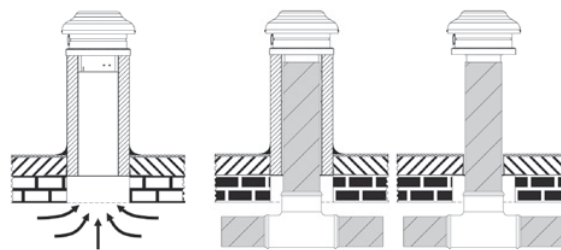
- Class F motors, external rotor and IP44 protection.
- Single-phase 230V-50Hz.
- Maximum temperature of air to be carried: + 40°C for CTD 125, 150 and 160, + 60°C for CTD 200 and + 65°C for CTD 250 and 315.

Finish:

- Anti-corrosive finish of polyester resin polymerised at 190°C, previously degreased with phosphate-free nanotechnological treatment.

Version B

Version C



Order code

CTD — 150 — C

CTD: Centrifugal roof-mounted household chimney extract fans

Nominal diameter of conduit

B: Version for base
C: Version for conduit

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	Max. electric power (W)	Maximum flow rate (m ³ /h)	Sound pressure level ⁽¹⁾ at 2/3 Q _{max} dB (A)		Approx. weight (kg)	According to ErP
					Inlet	Exhaust		
CTD_125	2800	0.31	74	456	42	45	4.4	2018
CTD-150	2800	0.31	74	456	42	45	4.4	2018
CTD-160	2800	0.31	74	456	42	45	4.4	2018
CTD-200	2600	0.28	67	636	43	44	6.7	2018
CTD-250	2660	0.60	131	950	45	48	7.6	2018
CTD-315	2700	0.94	220	1170	47	50	7.9	2018

(1) The noise level values are pressures in dB(A) measured at a distance of 6 metres and at 2/3 of the maximum flow rate (2/3 Q_{max}).

Acoustic characteristics

The indicated values are determined by measuring the pressure and noise level in dB(A) obtained in a free field at a distance of 6 m.

Noise power spectrum L_w(A) in dB(A) frequency band in [Hz]

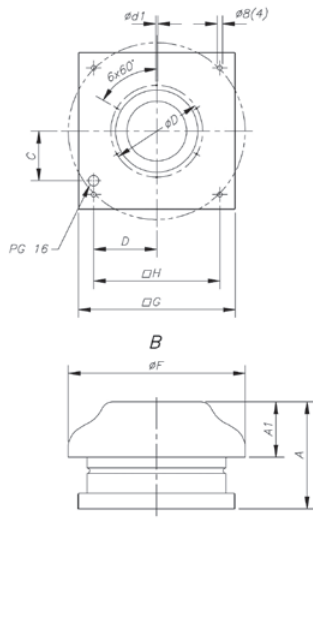
Values measured at inlet with 2/3 maximum flow rate (2/3 Q_{max})

Model	63	125	250	500	1000	2000	4000	8000
CTD-125	38	44	54	59	60	61	57	41
CTD-150	38	44	54	59	60	61	57	41
CTD-160	38	44	54	59	60	61	57	41
CTD-200	39	50	57	63	64	62	58	54
CTD-250	40	52	56	63	64	62	56	51
CTD-315	44	57	59	64	65	63	62	57

Values measured at exhaust with 2/3 maximum flow rate (2/3 Q_{max})

Model	63	125	250	500	1000	2000	4000	8000
CTD-125	28	37	51	54	58	53	47	32
CTD-150	28	37	51	54	58	53	47	32
CTD-160	28	37	51	54	58	53	47	32
CTD-200	31	44	53	57	58	54	50	40
CTD-250	32	44	53	58	61	59	52	43
CTD-315	34	50	55	58	61	59	52	45

Dimensions mm

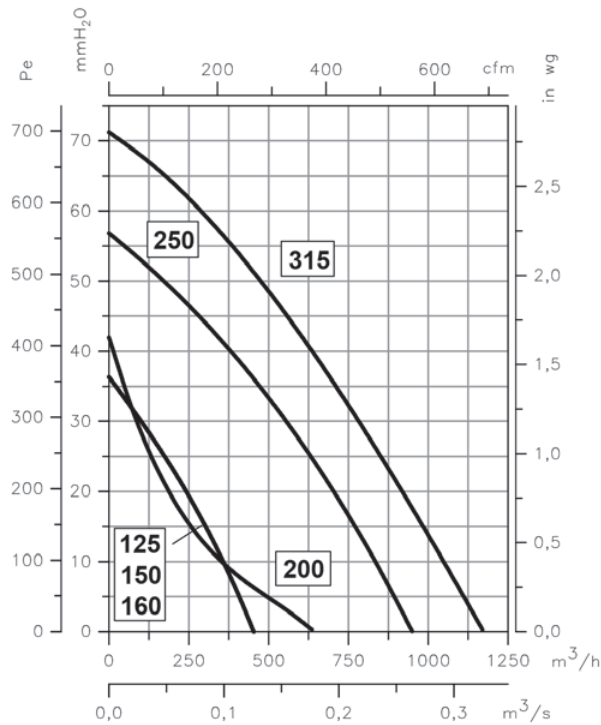


Model	ϕF	A	A1	$\square G$	ϕD	$\phi d1$	C	D	$\square H$	ϕO
CTD-125/B	344	207.3	107	305	177	6.1	96.5	123.5	245	-
CTD-150/B	344	207.3	107	305	177	6.1	96.5	123.5	245	-
CTD-160/B	344	207.3	107	305	177	6.1	96.5	123.5	245	-
CTD-200/B	450	214.35	109	405	230	7.1	138	168	330	-
CTD-250/B	450	245.55	109	405	230	7.1	138	168	330	-
CTD-315/B	450	245.55	109	405	230	7.1	138	168	330	-
CTD-125/C	344	207.3	107	305	177	6.1	96.5	123.5	245	147
CTD-150/C	344	207.3	107	305	177	6.1	96.5	123.5	245	147
CTD-160/C	344	207.3	107	305	177	6.1	96.5	123.5	245	157
CTD-200/C	450	214.35	109	405	230	7.1	138	168	330	197
CTD-250/C	450	245.55	109	405	230	7.1	138	168	330	247
CTD-315/C	450	245.55	109	405	230	7.1	138	168	330	312

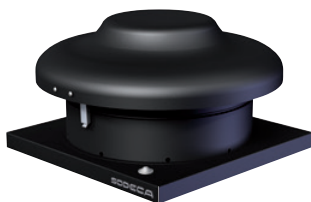
Characteristic curves

Q= Flow rate in m^3/h , m^3/s and cfm .

Pe= Static pressure in $mm H_2O$, Pa and $inwg$.



On request



INT
Safety switch