



General Information

The CDF/CDFS series are built-in double inlet forward curve centrifugal fan.

- CDF series: Standard fan.
- CDFS series: Silencer box to meet the requirements of low noise.

The special motors can be configured through the 3-phase voltage regulator, SCR voltage regulator, inverter and other means of speed, changing to meet system load requirements.

Construction Information

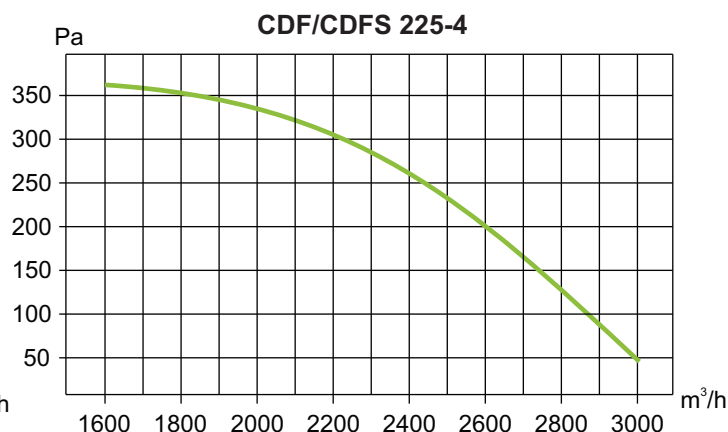
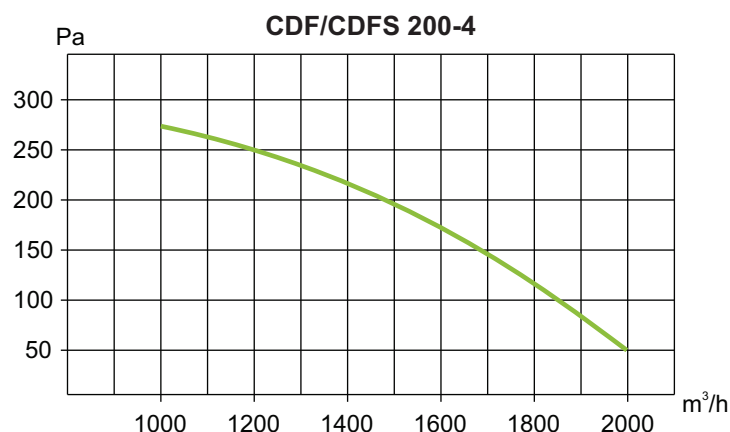
CDF/CDFS series consist of box casing, fan casing, impeller, motor, inlet and outlet flanges and electrical connection.

Casing

CDF/CDFS series are made of hot galvanized steel square pipe type. The pipe and the air inlet side have a 20mm standard flange.

CDFS series' aluminum tenon joint structure design together with three high-quality silencer cotton board, effective at 15dB acoustic noise around.

Performance Curve



Impeller

Double forward curved impellers are made of hot galvanized steel. The impeller is constructed with maximum strength that endures the continuous operation with maximum power. Balanced by ISO 1940 with G2.5mm/s quality standard.

Motor

The motor is designed for double blower fan with outer rotor structure. The characteristic is compact structure, short axial size low noise. It can adjust speed as well as change voltage. It is ideal motors for fan, dust cleaner. Standard motors are protected to IP55, class F insulation.

Electrical connection

CDF/CDFS series motor with a cable, and protection to IP55 junction box connection to external, removable terminal block.

Performance data

Manufactured under a certified ISO 9001:2015.

The performance is tested international standards by BS 848-1:1985 and ISO 5801.

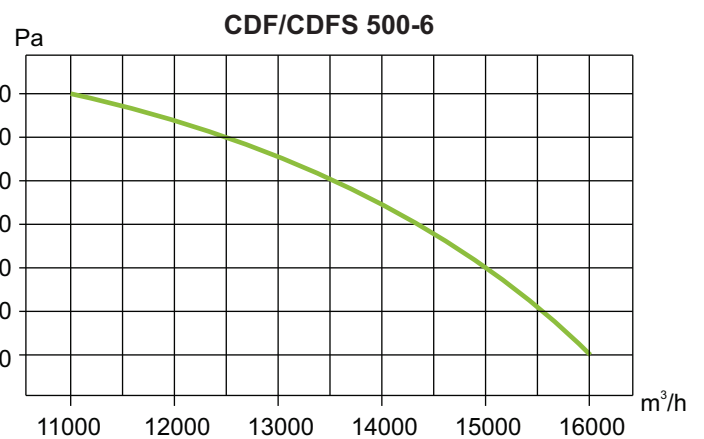
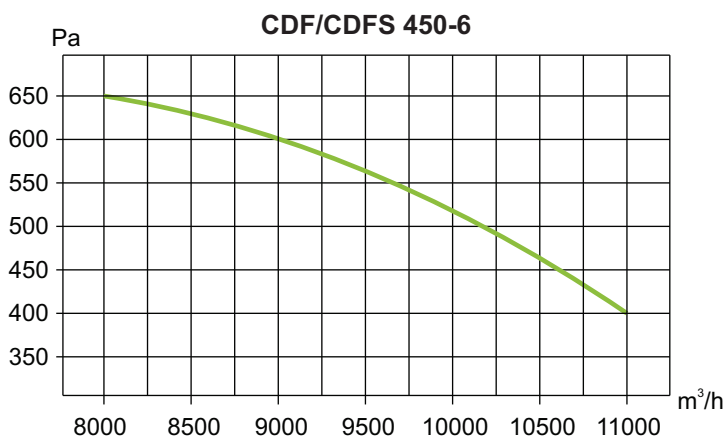
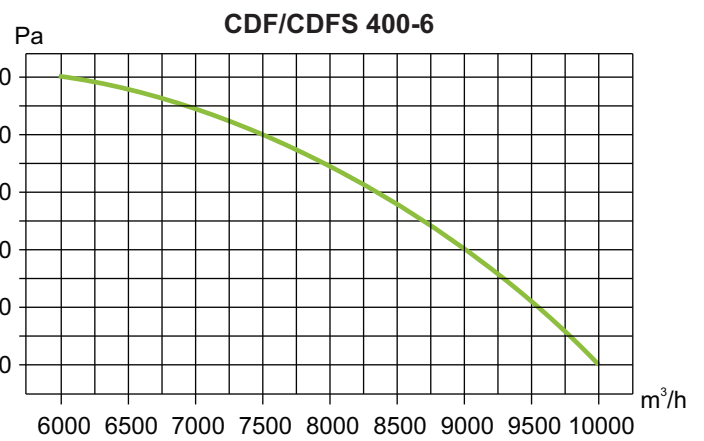
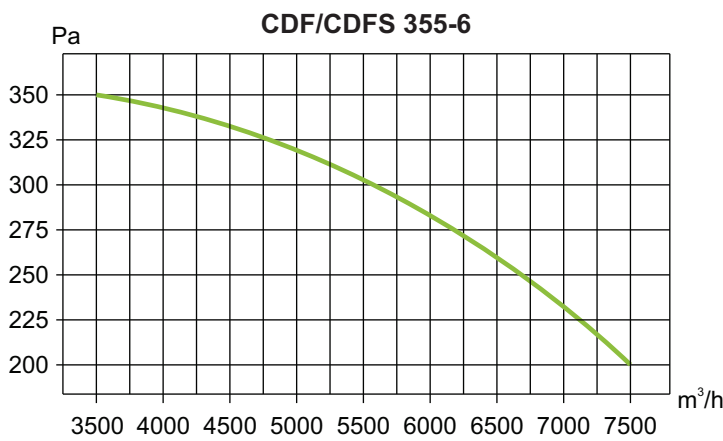
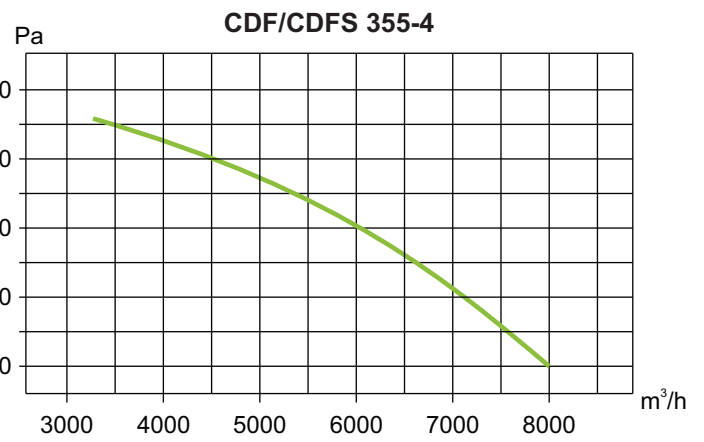
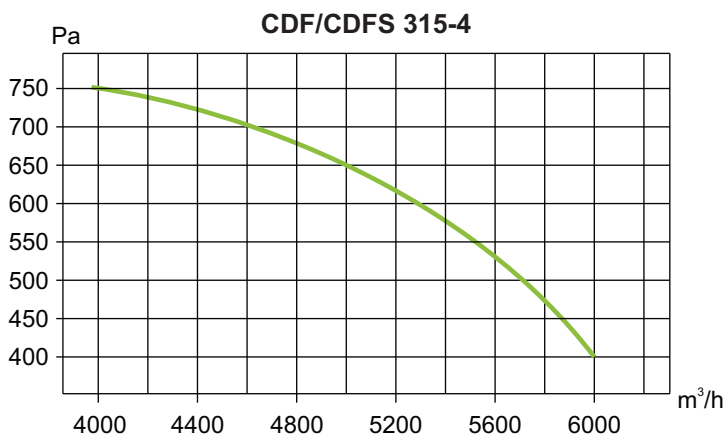
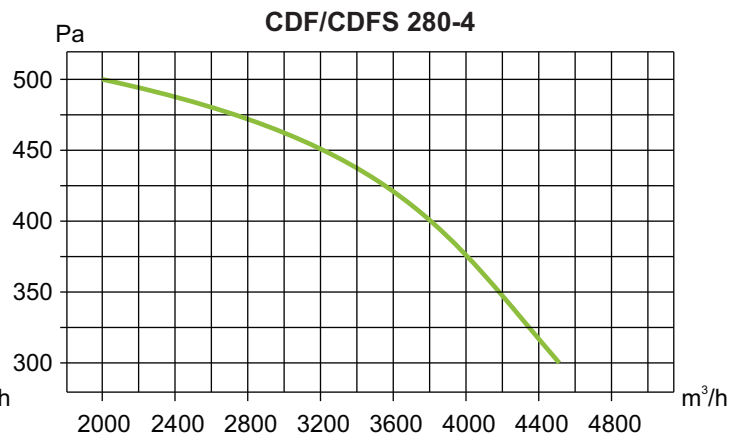
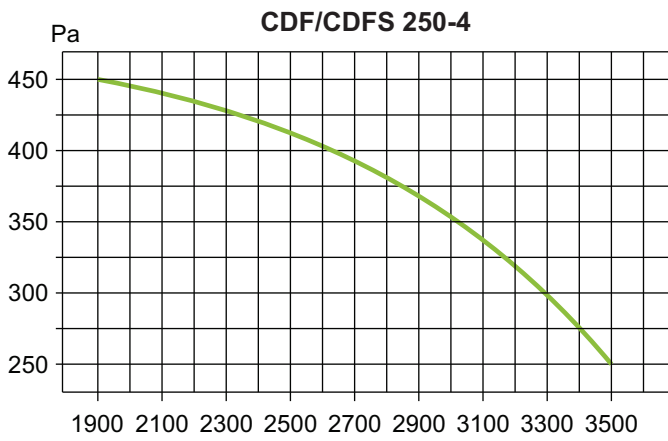
Installation position D, i.e. ducted inlet and ducted outlet configuration.

All curves to a density of $\rho = 1,2 \text{ kg/m}^3$, at 20°C .

Sound levels

All measurements of the sound that the fans generate have been taken strictly in accordance with BS 848-2, test method 1 and ISO 13347-2 for acoustic performance.

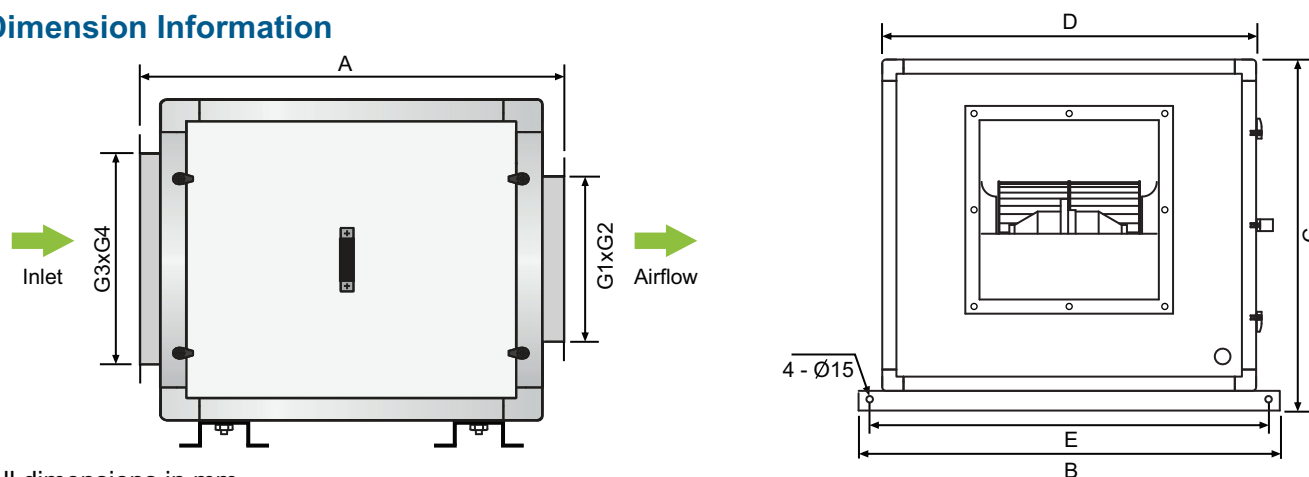
Sound data are determined according to BS EN ISO 5136 – In-duct method.



Performance Parameters

Model	Max. Air Volume (m ³ /h)	Max. Pressure (Pa)	Power (kW)	Current (A)	Speed (rpm/min)	Voltage (V/P/Hz)	Noise dBA (@ 3m)
CDF/CDFS 200-4	2000	250	0.25	0.88	1440	380/3/50	53/46
CDF/CDFS 225-4	3000	350	0.45	1.39	1440	380/3/50	55/48
CDF/CDFS 250-4	3500	450	0.8	2.31	1440	380/3/50	56/49
CDF/CDFS 280-4	4500	500	0.8	2.31	1440	380/3/50	57/50
CDF/CDFS 315-4	6500	750	1.8	4.47	1440	380/3/50	59/52
CDF/CDFS 355-4	8000	850	3.0	6.95	1440	380/3/50	65/58
CDF/CDFS 355-6	7500	350	1.8	4.8	960	380/3/50	60/53
CDF/CDFS 400-6	10000	500	3.0	7.5	960	380/3/50	64/57
CDF/CDFS 450-6	11000	650	4.0	9.9	960	380/3/50	67/60
CDF/CDFS 500-6	16000	800	7.5	17.7	960	380/3/50	69/62

Dimension Information

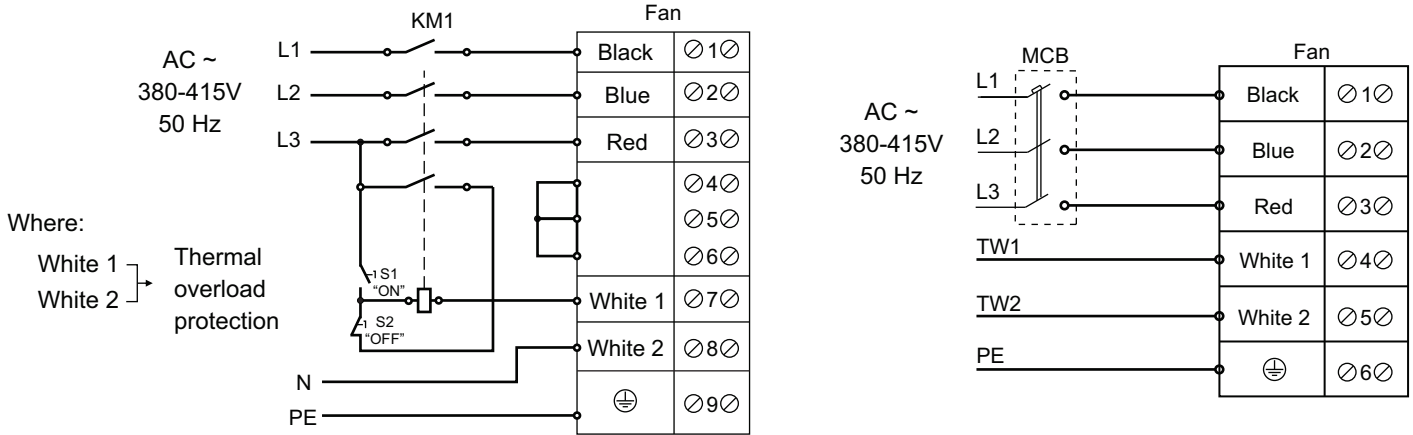


All dimensions in mm.

Model	A	B	C	D	E	G1 x G2	G3 x G4	Weight (Kg)
CDF/CDFS 200-4	529	600	460	500	550	223 x 229	318 x 378	22
CDF/CDFS 225-4	569	630	500	530	580	251 x 262	358 x 408	42
CDF/CDFS 250-4	589	650	520	550	600	277 x 285	378 x 428	44
CDF/CDFS 280-4	639	740	570	640	690	309 x 304	428 x 518	50
CDF/CDFS 315-4	749	815	680	715	765	342 x 342	538 x 593	70
CDF/CDFS 355-4/6	789	890	720	790	840	379 x 379	578 x 668	90
CDF/CDFS 400-6	859	960	790	860	910	423 x 423	648 x 738	110
CDF/CDFS 450-6	939	1080	870	980	1030	473 x 473	728 x 858	125
CDF/CDFS 500-6	1019	1200	950	1100	1150	510 x 510	808 x 978	190

Wiring Diagram

- Check that supply is according to data on nameplate.
- Insert cable according to the instructions in the junction box and seal it.
- The equipment connected ground for motor protection according to the instructions - Unless the guarantee isn't accepted.
- Connect electric supply.



Installation Guide

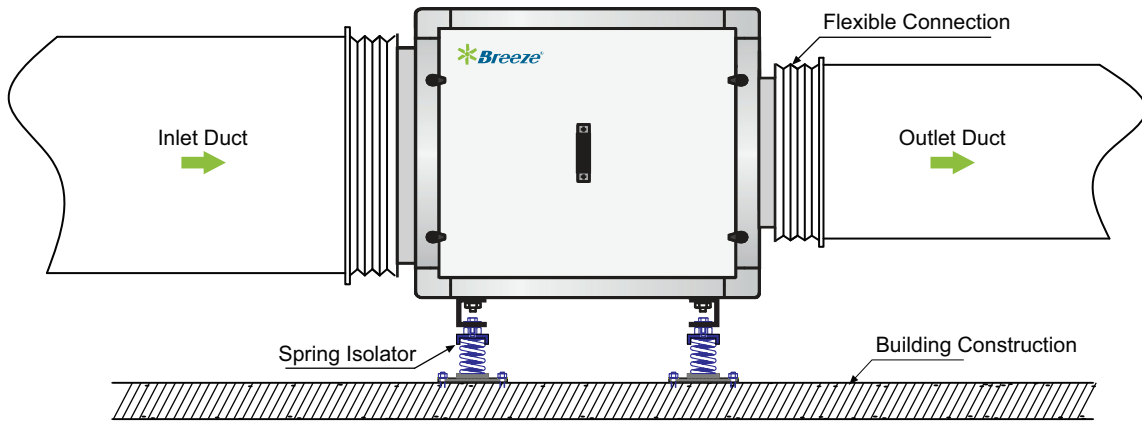


Fig 01. Mounting type

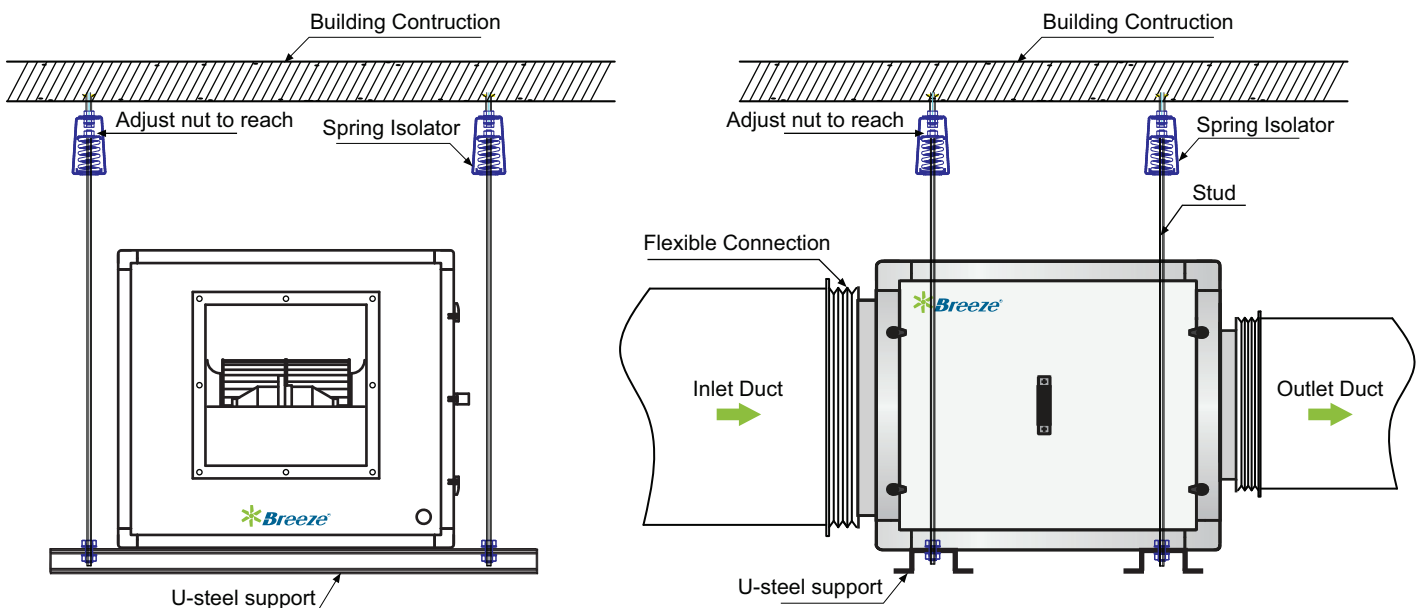


Fig 02. Hanging type