

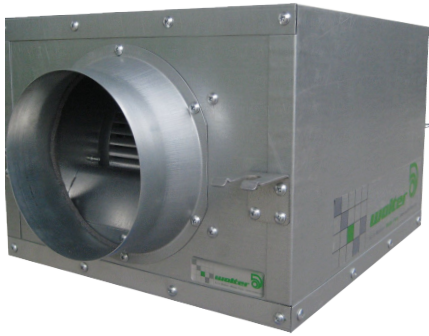
Wolter Low Noise Silent Box

- SDX Series
- SD Series

Air in Motion.
Wolter Fans.

wolter 

Wolter Low Noise Silent Box - SDX, SD



Design features

- › Casing made of galvanised sheet steel
- › Acrylonitrile-butadiene rubber acoustic insulation for SDX series (tested to BS 476: Part 6 & 7)
- › Low noise levels
- › Screwed panels allow easy access to the fan
- › Low & Compact height profile
- › Easily connected to standard tubes / ductwork

Casing

Fan casing made of galvanized sheet steel and SDX series insulated with sound absorbing acrylonitrile-butadiene rubber.

Motorized impeller

2 step motors for SDX/SD 100 ~ 200M & SDX/SD 200ML - This allows speed adjustment by means of a simple step switch. The forward-curved centrifugal impellers are made of galvanised sheet steel. The impeller is fixed directly onto the external rotor motor and the motorised impeller unit is dynamically balanced at two planes according to G 2.5 (DIN ISO 1940). The ball bearings are maintenance free.

Induction motors for SDX/SD 200L & SDX/SD

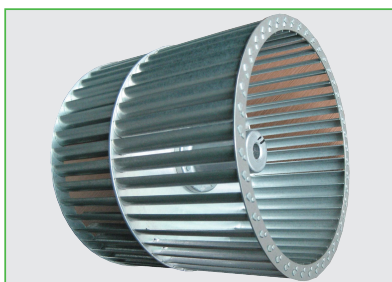
250M, 250LE - IEC motors of protection Class IP54, insulation class F & optional Class H for operating at higher ambient temperatures can be offered.

Performance curves

The performance curves of these fans have been established in a test chamber according to AMCA 210 and indicate the static pressure increase ΔP_{st} as a function of the volume flow

Sound level

The sound pressure dB(A) shown in table next page is measured at 1,5 meter from the fan casing with connected ducts on both inlet and outlet side.



Technical Data

(Power Supply 50Hz 220V)

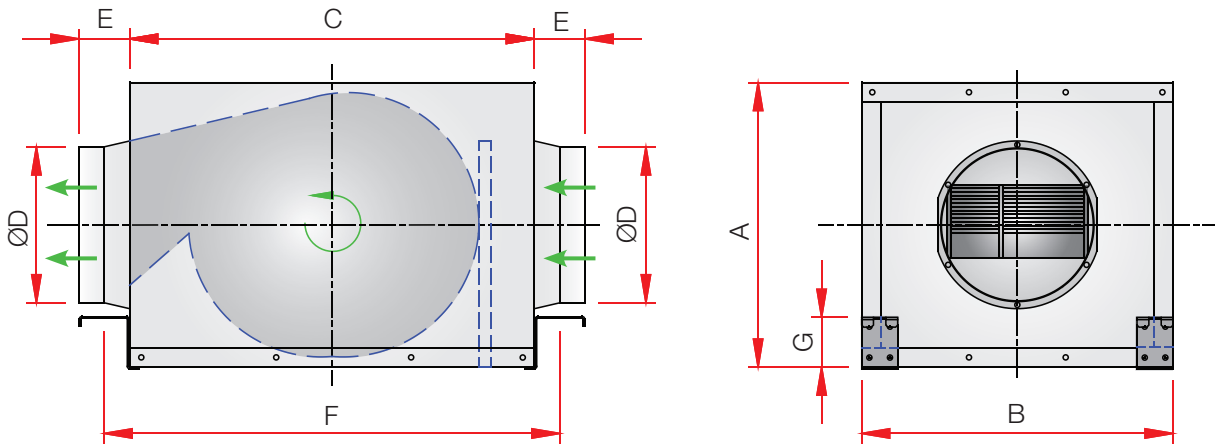
Model Size	Speed [1/min]	Power [W]	Current [A]	Capacitor [µf]	Volume Flow [m ³ /h]	Sound Pressure Level [dB(A)] 1,5m	Weight [KG]
SDX 100 / SD 100	1330	35	0,16	1	190	22 / 23	5,5
	1200	27	0,13		150	17 / 18	
SDX 100L / SD 100L	1350	40	0,18	1,2	330	24 / 25	5,8
	1260	36	0,16		280	20 / 21	
SDX 150 / SD 150	1350	40	0,18	1,2	360	26 / 27	6,5
	1260	36	0,16		290	22 / 23	
SDX 160 / SD 160	1290	75	0,35	2,5	520	30 / 31	8,4
	1200	70	0,33		420	27 / 28	
SDX 160L / SD 160L	1330	105	0,50	2,5	690	31 / 32	8,7
	1250	100	0,46		550	28 / 29	
SDX 200M / SD 200M	1330	105	0,50	2,5	820	32 / 33	9,8
	1250	100	0,46		650	29 / 30	
SDX 200ML / SD 200ML	1330	105	0,50	2,5	940	33 / 34	10,5
	1250	100	0,46		710	30 / 31	
SDX 200L-4 / SD 200L-4	1400	250	1,73	12	1400	43 / 44	14
SDX 250M-4 / SD 250M-4	1350	550	3,94	25	2160	50 / 52	20
SDX 250M-4K / SD 250M-4K	1380	370	2,47	16	1630	49 / 51	18
SD 250LE-4	1380	370	2,47	16	1680	46	16
SD 250LE-4K	1400	250	1,73	12	1250	45	15

Note: 1, The volume flow indicated above is measured in chamber at 0 static pressure;

2, The sound level are measured at the 1.5 meter from the fan body when ducts are connected on both inlet and outlet side.

3, Subject to change without prior notice.

Dimension



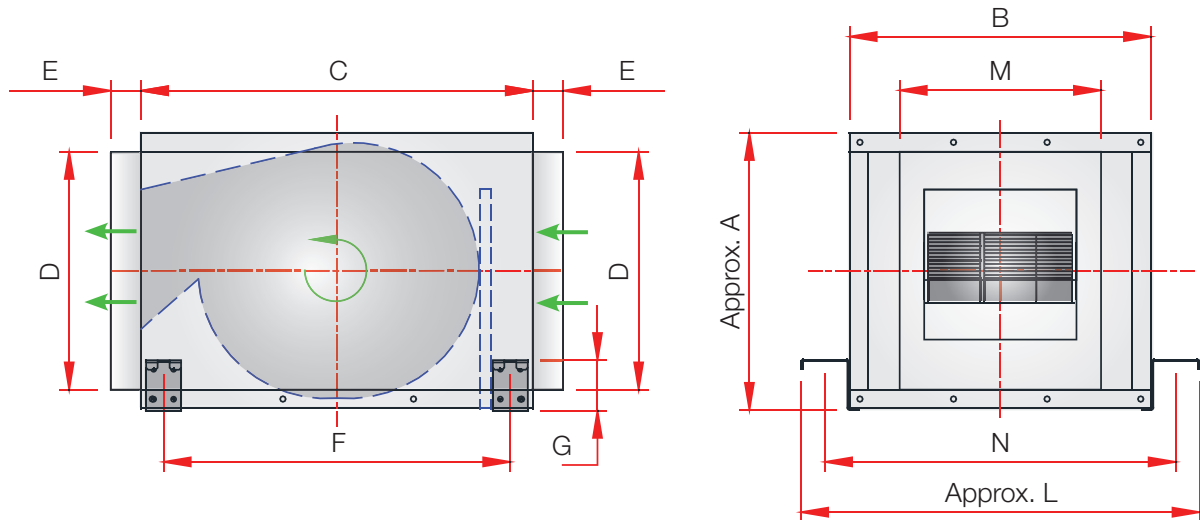
Model	A	B	C	D	E	F	G
SDX 100 / SD 100	183	291	292	99	52	336	51
SDX 100L / SD 100L	183	291	292	149	61	336	51
SDX 150 / SD 150	205	291	302	149	61	345	51
SDX 160 / SD 160	231	317	339	159	61	383	51
SDX 160L / SD 160L	231	317	339	199	72	383	51
SDX 200M / SD 200M	252	378	399	199	72	442	51
*SDX 200ML / SD 200ML	252	378	399	199	72	442	51
SDX 200L / SD 200L	300	530	470	199	72	513	51
SDX 250M / SD 250M	335	570	505	249	90	548	51

Note: 1, All dimensions in mm;

2, * 200ML does not come with inlet nozzle.

3, We reserve the right to alter measurements without notice in case of technical improvements.

Dimension

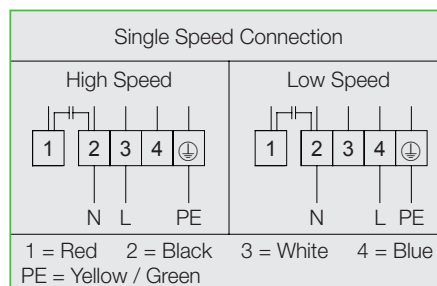


Model	A	B	C	D	E	F	G	L	M	N
SD 250LE	335	400	429	290	40	380	51	500	270	460

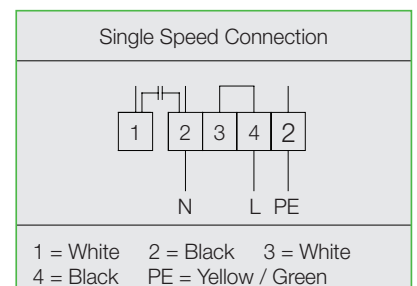
Note: 1, All dimensions in mm;
 2, We reserve the right to alter measurements without notice in case of technical improvements.



For SDX 100 to SDX 200M and 200ML

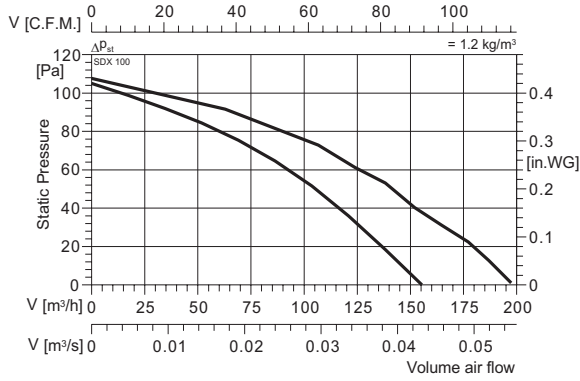


For SDX 200L, 250M, 250LE

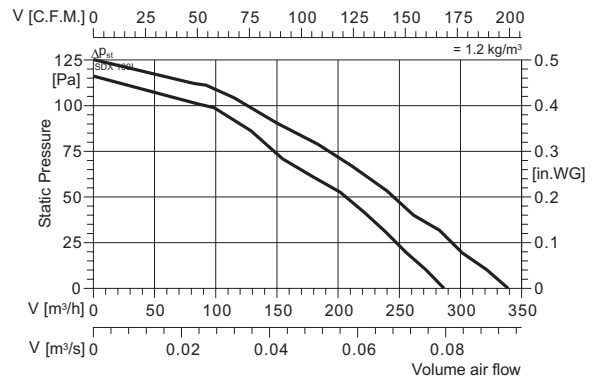


Performance curves

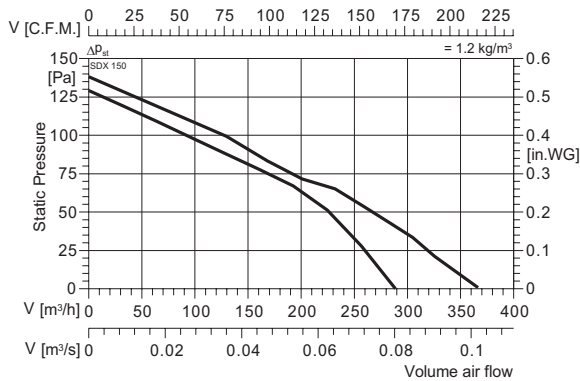
SDX 100 / SD 100



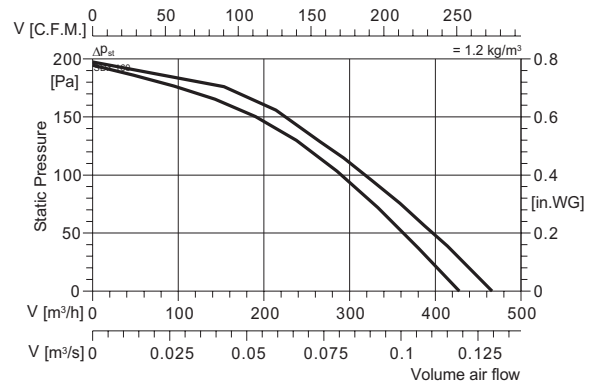
SDX 100L / SDX 100L



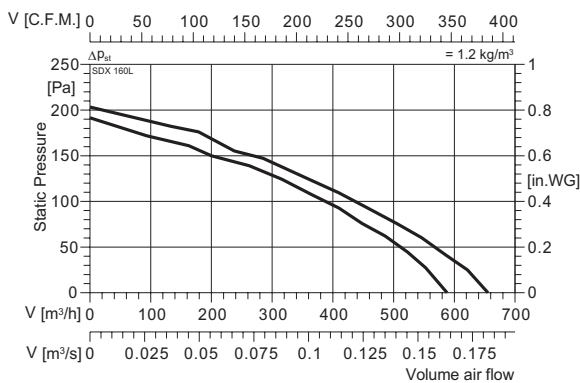
SDX 150 / SD 150



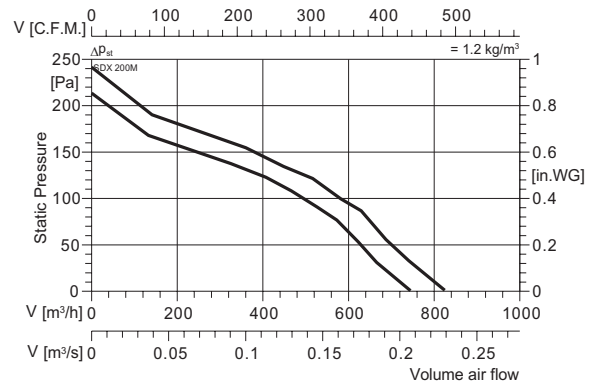
SDX 160 / SD 160



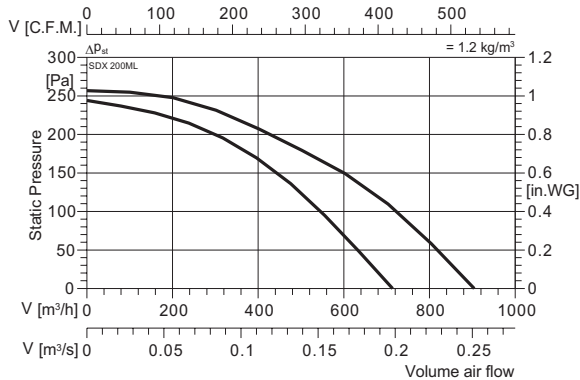
SDX 160L / SD 160L



SDX 200M / SD 200M

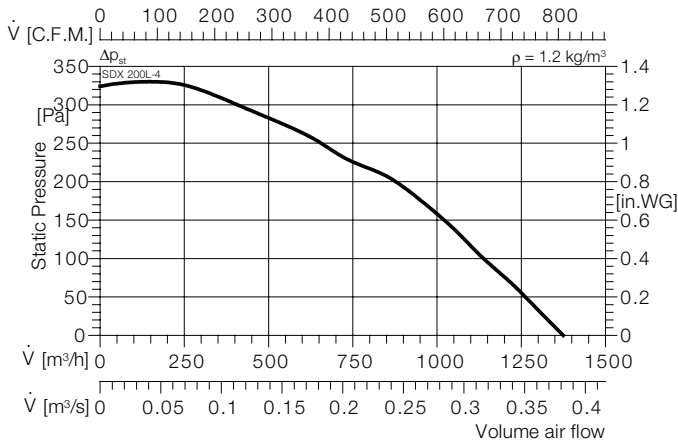


SDX 200ML / SD 200ML

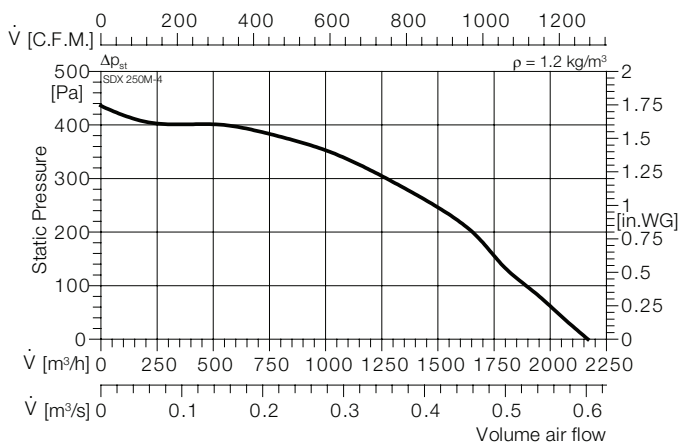


Performance curves

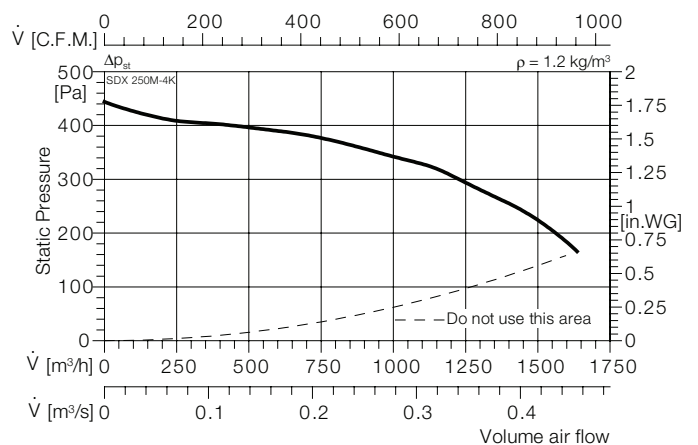
SDX 200L-4 / SD 200L-4



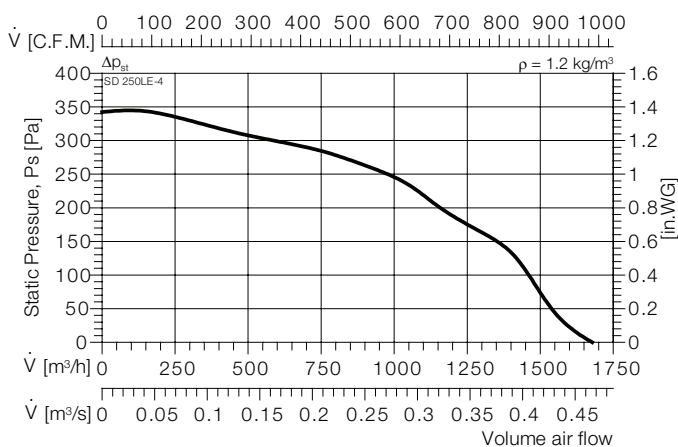
SDX 250M-4 / SD 250M-4



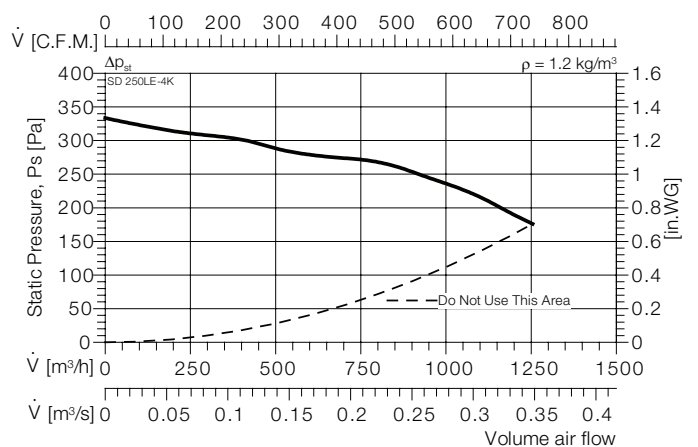
SDX 250M-4K / SD 250M-4K



SD 250LE-4



SD 250LE-4K



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