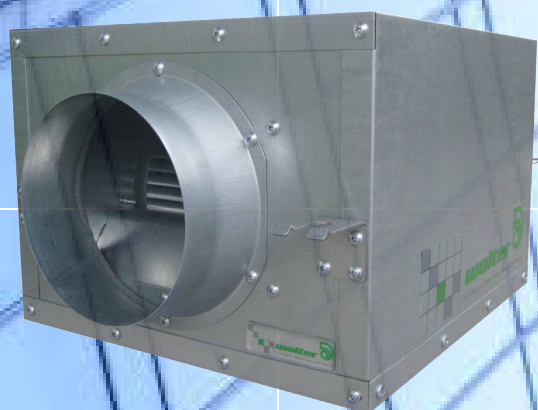




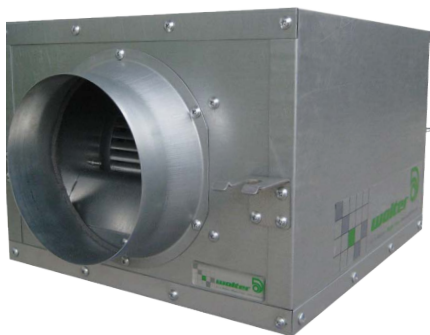
## Wolter Low Noise Silent Box

- 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

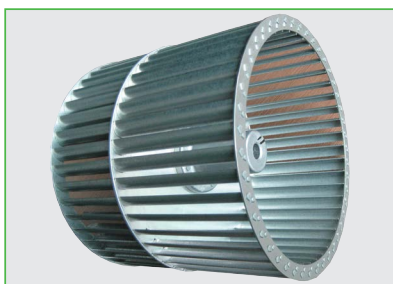
250M, 250LE - IEC motors of protection Class IP54, insulation class F & optional Class H for operating at higher ambient temperatures can be offered.

### 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  $\Delta P_{st}$  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)

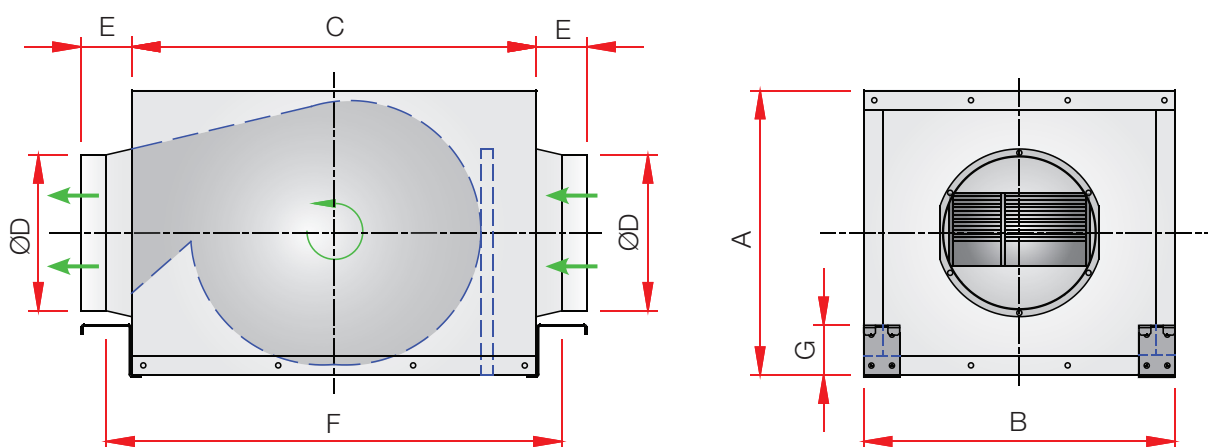
| Model<br>Size            | Speed<br>[1/min] | Power<br>[W] | Current<br>[A] | Capacitor<br>[µf] | Volume<br>Flow<br>[m³/h] | Sound<br>Pressure Level<br>[dB(A)] 1,5m | Weight<br>[KG] |
|--------------------------|------------------|--------------|----------------|-------------------|--------------------------|-----------------------------------------|----------------|
| SDX 100 / SD 100         | 1420             | 32           | 0,15           | 1                 | 180                      | 22 / 23                                 | 5,5            |
|                          | 1350             | 27           | 0,12           |                   | 160                      | 17 / 18                                 |                |
| SDX 100L / SD 100L       | 1400             | 47           | 0,21           | 1,2               | 308                      | 24 / 25                                 | 5,8            |
|                          | 1300             | 42           | 0,19           |                   | 280                      | 20 / 21                                 |                |
| SDX 150 / SD 150         | 1400             | 47           | 0,21           | 1,2               | 430                      | 26 / 27                                 | 6,5            |
|                          | 1300             | 42           | 0,19           |                   | 290                      | 22 / 23                                 |                |
| SDX 160 / SD 160         | 1400             | 87           | 0,39           | 2,5               | 550                      | 30 / 31                                 | 8,4            |
|                          | 1300             | 81           | 0,36           |                   | 427                      | 27 / 28                                 |                |
| SDX 160L / SD 160L       | 1370             | 125          | 0,56           | 2,5               | 685                      | 31 / 32                                 | 8,7            |
|                          | 1300             | 115          | 0,50           |                   | 530                      | 28 / 29                                 |                |
| SDX 200M / SD 200M       | 1370             | 125          | 0,56           | 2,5               | 767                      | 32 / 33                                 | 9,8            |
|                          | 1300             | 115          | 0,50           |                   | 510                      | 29 / 30                                 |                |
| SDX 200ML / SD 200ML     | 1370             | 125          | 0,56           | 2,5               | 850                      | 33 / 34                                 | 10,5           |
|                          | 1300             | 115          | 0,50           |                   | 565                      | 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             |
| SDX 250M-6 / SD 250M-6   | 910              | 370          | 2,83           | 16                | 1410                     | 37 / 38                                 | 20             |
| 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



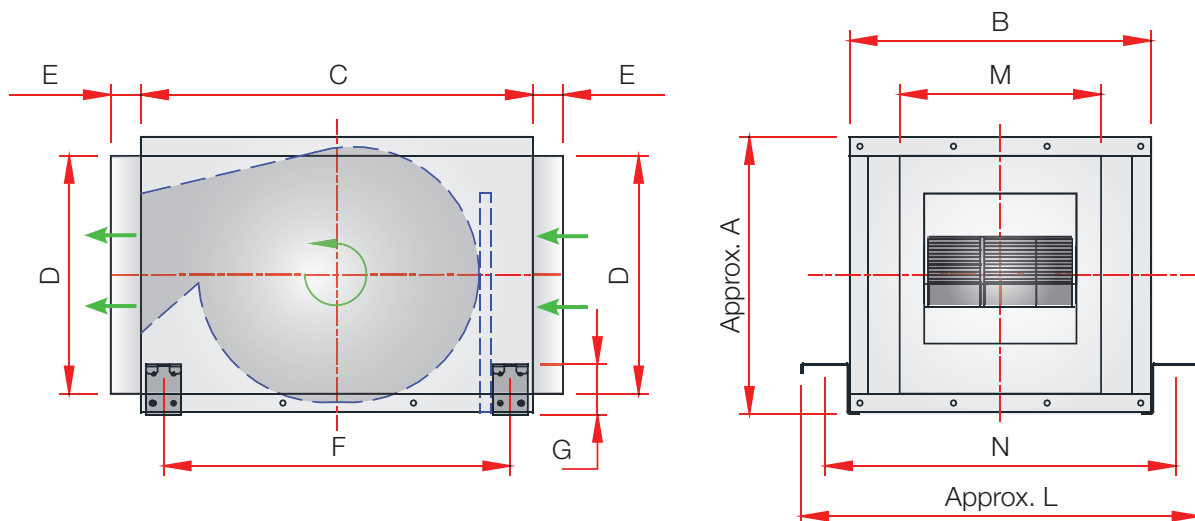
| Model                 | A   | B   | C   | D   | E  | F   | G  |
|-----------------------|-----|-----|-----|-----|----|-----|----|
| SDX 100 / SD 100      | 183 | 291 | 292 | 99  | 52 | 336 | 51 |
| SDX 100L / SD 100L    | 183 | 291 | 292 | 149 | 61 | 336 | 51 |
| SDX 150 / SD 150      | 205 | 291 | 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 | 400 | 199 | 72 | 443 | 51 |
| SDX 250M / SD 250M    | 335 | 570 | 400 | 249 | 90 | 443 | 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



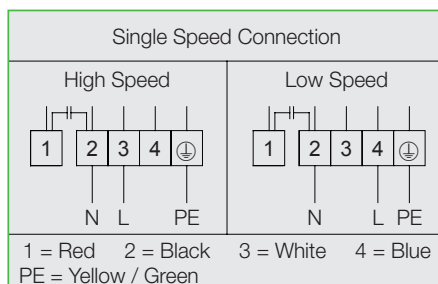
| Model    | A   | B   | C   | D   | E  | F   | G  | L   | M   | N   |
|----------|-----|-----|-----|-----|----|-----|----|-----|-----|-----|
| SD 250LE | 335 | 400 | 400 | 290 | 40 | 351 | 51 | 500 | 270 | 460 |

Note: 1, All dimensions in mm;

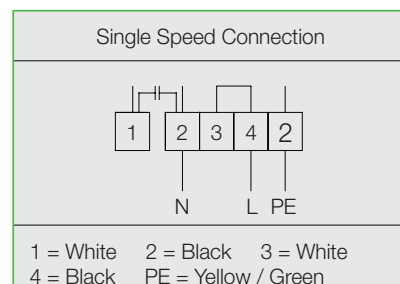
2, We reserve the right to alter measurements without notice in case of technical improvements.



For SDX 100 to SDX 200M and 200ML

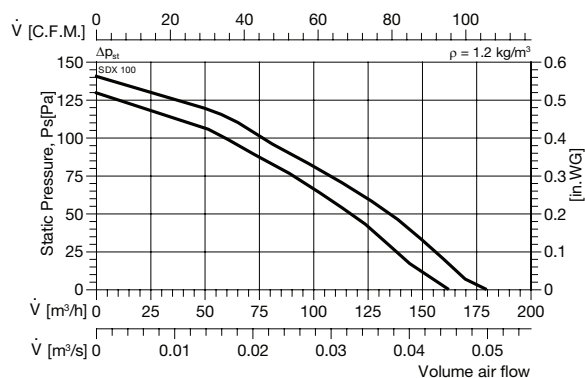


For SDX 200L, 250M, 250LE

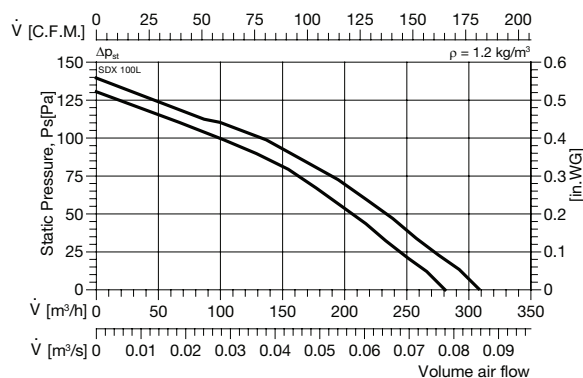


## Performance curves

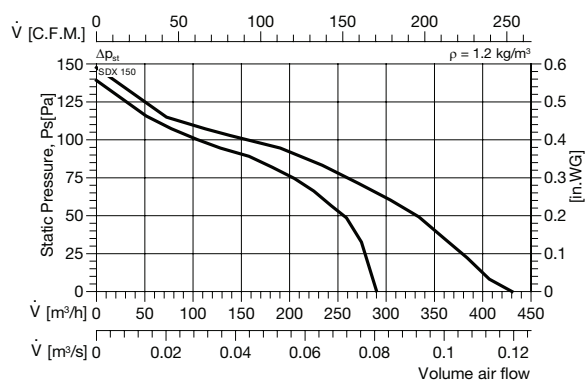
SDX 100 / SD 100



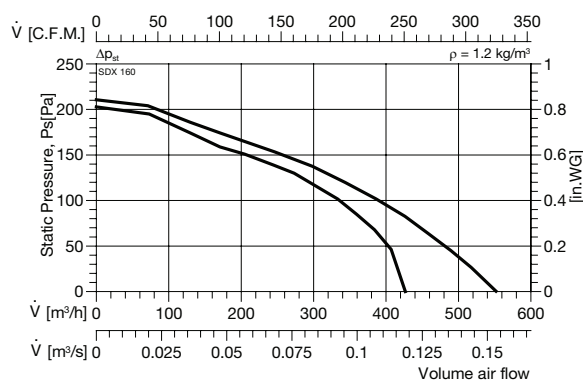
SDX 100L / SDX 100L



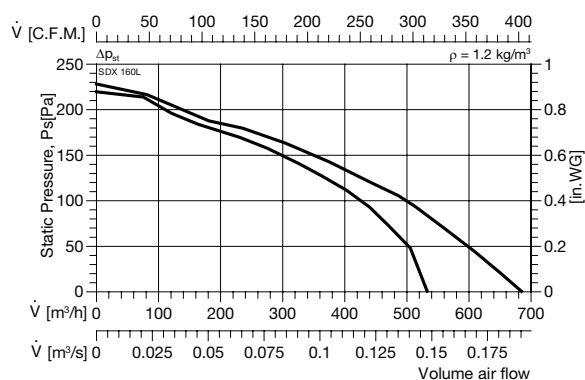
SDX 150 / SD 150



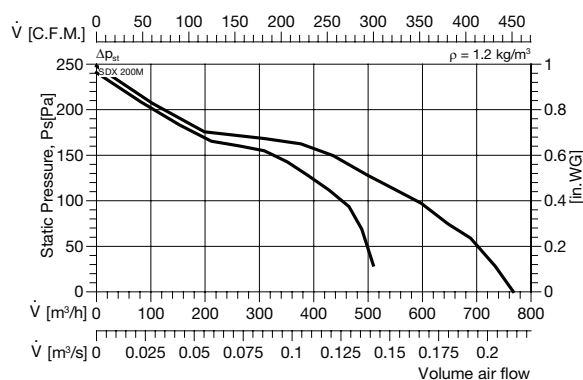
SDX 160 / SD 160



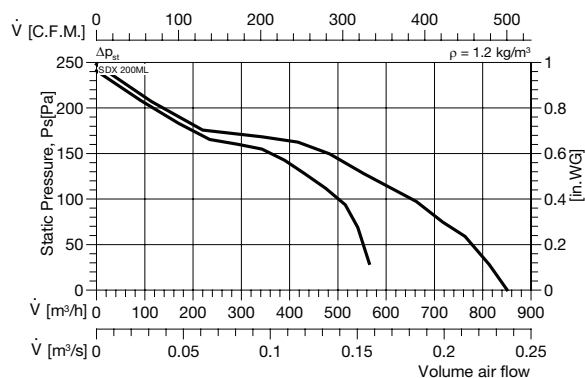
SDX 160L / SD 160L



SDX 200M / SD 200M

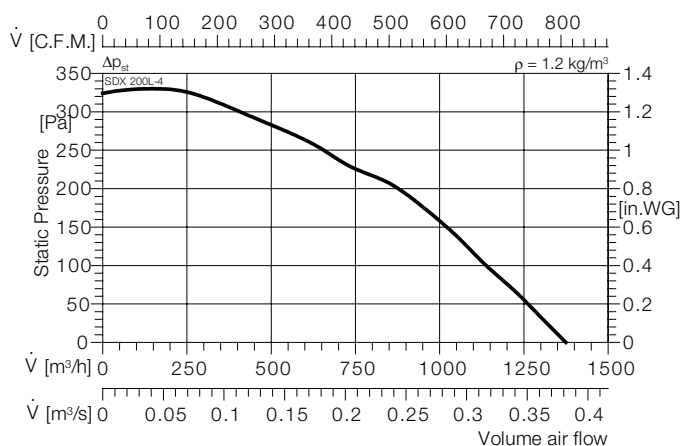


SDX 200ML / SD 200ML

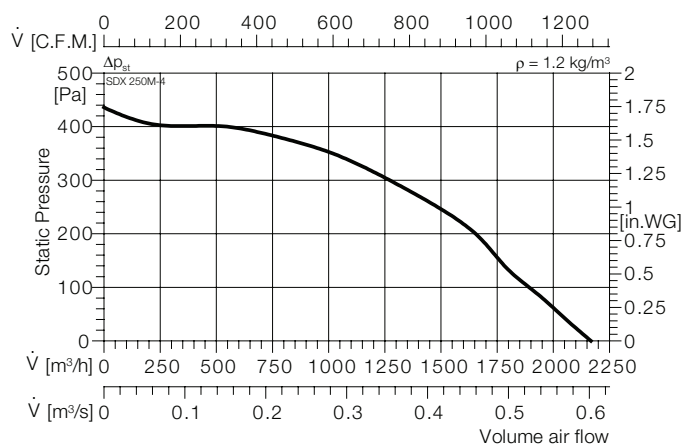


## Performance curves

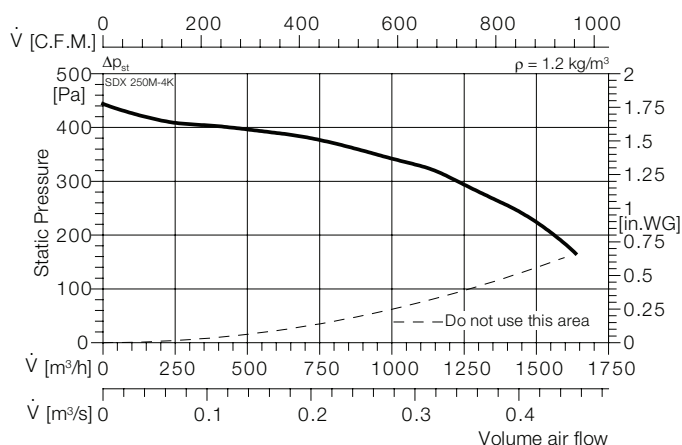
SDX 200L-4 / SD 200L-4



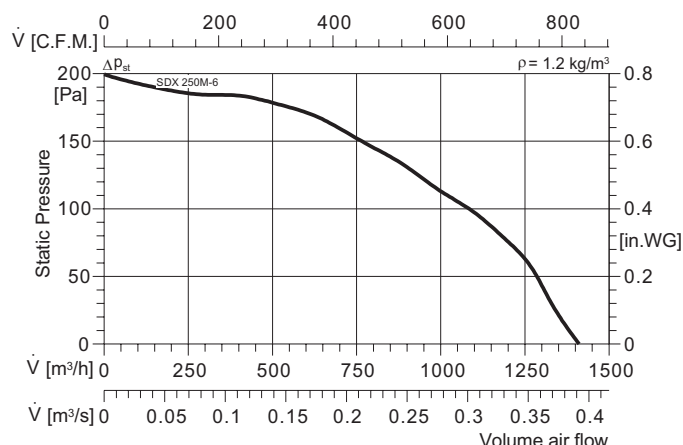
SDX 250M-4 / SD 250M-4



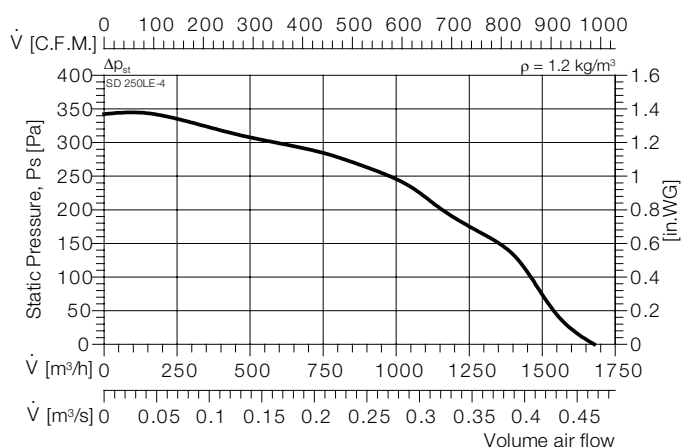
SDX 250M-4K / SD 250M-4K



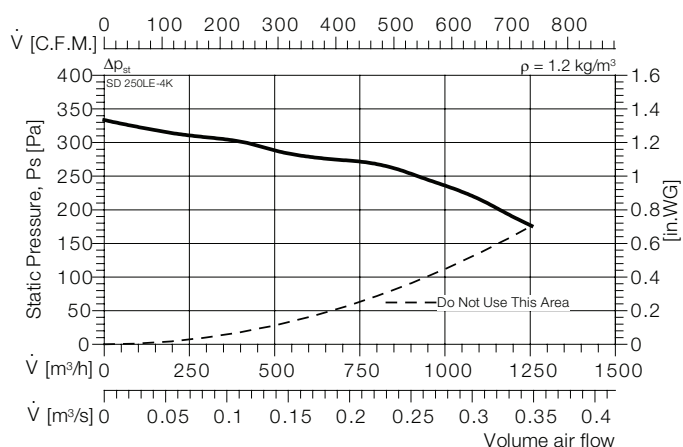
SDX 250M-6 / SD 250M-6



SD 250LE-4



SD 250LE-4K



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