



The BDB series is DIDW centrifugal fans with high efficiency non-overloading backward curved impellers. The fans are suitable for supply or extract applications in commercial, process and industrial HVAC systems.

Sizes of this series are in accordance with AMCA standard 99-0098-76 and DIN 323 R20.

Type / Operating Limit

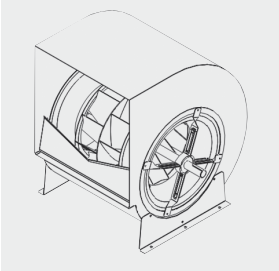
Each fan type has its maximum operating speed and power due to its mechanical design. The operating limit of BDB series - fan type is design to meet the requirement of class I, II and III limit as defined in AMCA standard 99-2408-69. The BDB series is available in type S, C, T, X or Z.

	Model 315 to 710	Model 800 to 1.400
Type S-C	I	
Type T	II	I
Type X	III	II
Type Z		III

Type S

This type is supplied without mounting feet and can be mounted in three different orientations. The construction is mainly for OEM application which only subject to testing and approval.

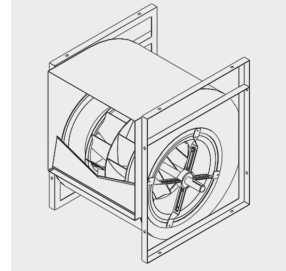
Fan size	315 to 710
Volume	1.900 to 50.000 m ³ /h
Total pressure	up to 2.000 Pa



Type C

This type has a frame fitted on both sides of the fan which gives better strength and rigidity. It allows mounting in four different orientations.

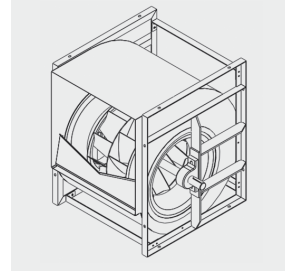
Fan size	160 to 710
Volume	1.900 to 50.000 m ³ /h
Total pressure	up to 2.000 Pa



Type T

This type has a welded frame giving increased stiffness and rigidity required for higher operating performance.

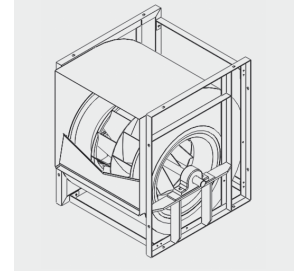
Fan size	315 to 1.400
Volume	1.900 to 190.000 m ³ /h
Total pressure	up to 2.500 Pa



Type X

The structure is similar to type T but utilizes enhanced bearings to support higher dynamic load necessary for the increased performance. Type Z is non-standard, for more information, please consult your nearest Soler & Palau Office for details.

Fan size	315 to 1.400
Volume	1.900 to 260.000 m ³ /h
Total pressure	up to 3.200 Pa



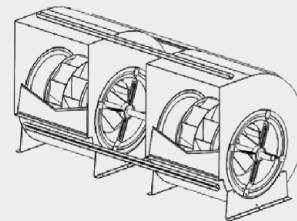
BDB Twin Fan

BDB Series are also available in twin fan version, with two double inlet fans mounted on the same shaft. To select for twin fans, use the curves of single fan with the following factors:

- Volume x 2
- Speed x 1.05
- Absorbed Power x 2.15
- Noise + 3 dB

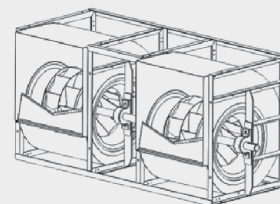
This series is available in Type S2, C2 or T2. Performances of twin fan series are not AMCA licensed.

Type S2



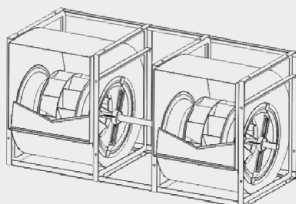
Fan size	315 to 500	Volume	5.000 to 50.000 m ³ /h
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Type T2



Fan size	355 to 630	Volume	10.000 to 80.000 m ³ /h
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Type T2



Fan size	315 to 500	Volume	5.000 to 50.000 m ³ /h
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