



Serie **DGF**



SQUARE FIXED-GEOMETRY DIFFUSER



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SQUARE FIXED-GEOMETRY DIFFUSER SERIE DGF



MODELS



DGF 60/125/171x171

Square Fixed-geometry swirl diffuser made of sheet steel with a Ø125 mm neck and 35°-inclined blades.

DGF 75/160/214x214

Square Fixed-geometry swirl diffuser made of sheet steel with a Ø160 mm neck and 35°-inclined blades.

DGF 150/200/264x264

Square Fixed-geometry swirl diffuser made of sheet steel with a Ø200 mm neck and 35°-inclined blades.

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DGF 225/250/326x326

Square Fixed-geometry swirl diffuser made of sheet steel with a Ø250 mm neck and 35°-inclined blades.

DGF 375/315/404x404

Square Fixed-geometry swirl diffuser made of sheet steel with a Ø315 mm neck and 35°-inclined blades.

DGF 400/355/448x448

Square Fixed-geometry swirl diffuser made of sheet steel with a Ø355 mm neck and 35°-inclined blades.

DGF 650/400/500x500

Square Fixed-geometry swirl diffuser made of sheet steel with a Ø400 mm neck and 35°-inclined blades.

FINISH

- White-LACQUERED Steel Diffuser.
- On request, it can be manufactured in other colors from the RAL color chart..

FIXING SYSTEM

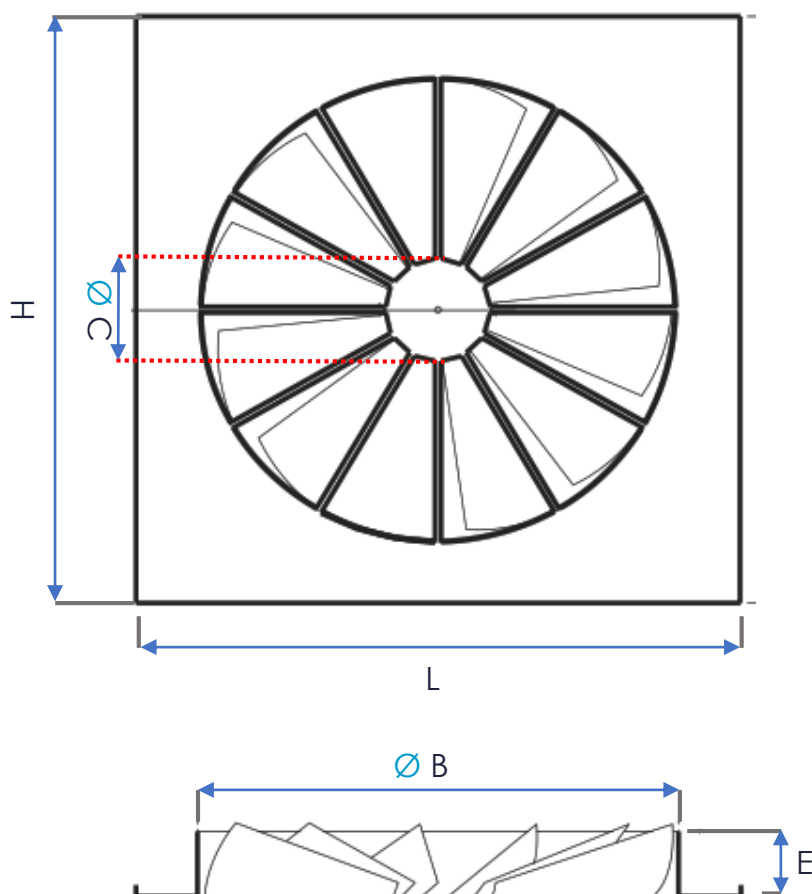
Using screws located on the sides of the diffuser neck or a central screw on the diffuser neck.

ACCESSORIES

- Connection plenum with control damper and pressure-equalizing plate.

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DIMENSIONS



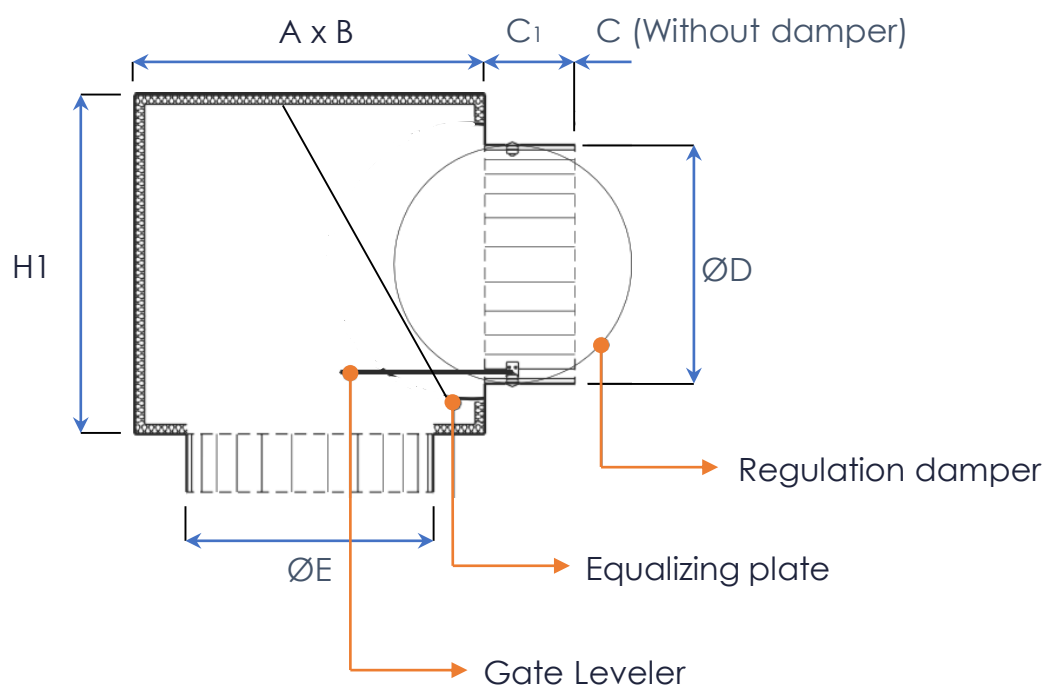
Model	ØB	L x H	E	N° Blades and inclination	ØC
60/125/171x171	122	171	55	8 / 35°	28
75/160/214x214	157	214	55	10 / 35°	50
150/200/264x264	197	264	55	10 / 35°	50
225/250/326x326	247	326	55	12 / 35°	65
375/315/404x404	312	404	55	12 / 35°	87
400/355/448x448	353	448	67	10 / 35°	87
650/400/500x500	397	500	55	12 / 35°	87

***Note:** Sample description for a model “**DGF 60 / 125 / 171x171**”

1. **60:** reference name.
2. **125:** Circumference of the blade assembly neck.
3. **171x171:** Plate Dimensions.

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Plenum



PLENUM DIMENSIONS TABLE

PLENUM	A x B	C	C1	ØD	ØE	H1	N° Pieces
PLE125	225x225	60	60	121	127	225	1
PLE160	250x250	60	60	156	162	250	1
PLE200	300x300	60	60	196	202	300	1
PLE250	350x350	60	60	246	252	350	1
PLE315	400x400	60	60	311	317	400	1
PLE350	450x450	90	90	346	352	450	1
PLE400	500x500	90	90	396	402	500	1

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QUICK SELECTION TABLE

	L x H	125x125	160x160	200x200	250x250	315x315	355x355	400x400
m ³ /h								
60	A/c db(A) Δ P eq Δ P	2 <20 2.8 0.7						
160	A/c db(A) Δ P eq Δ P	3 25 6 1.6	2 <20 2.2 0.8	2 <20 1.7 0.7				
200	A/c db(A) Δ P eq Δ P	5 35 15.8 4.1	3 25 4.7 1.6	2.4 23 2.1 1.1				
260	A/c db(A) Δ P eq Δ P	6 40 22.4 5.8	4 30 8.1 2.8	3 25 3.7 1.5	2 <20 1.4 0.7			
300	A/c db(A) Δ P eq Δ P		5 35 12.3 4.3	4 30 6 2.3	2.4 23 2.1 1.1			
360	A/c db(A) Δ P eq Δ P		6 40 17.5 6.1	4.6 36 8.3 3.5	3 25 3 1.5			
400	A/c db(A) Δ P eq Δ P		7 45 23.4 8.2	5 35 9.8 4	3.4 27 3.5 1.4	2 <20 1.1 0.7		
460	A/c db(A) Δ P eq Δ P			5.5 38 12.5 5	3.6 29 4.2 2.1	2.3 <20 1.4 0.9		
500	A/c db(A) Δ P eq Δ P			6.2 40 14.5 6.1	4 30 5.1 2.6	2.6 21 1.7 1.2	2 <20 1 0.6	
560	A/c db(A) Δ P eq Δ P			7 45 18.7 7.7	4.6 32 6.4 3.2	3 25 2.3 1.4	2.6 <20 1.6 1.2	
600	A/c db(A) Δ P eq Δ P				5 35 7.8 4	3.2 27 2.5 1.6	2.9 21 1.8 1.4	2 <20 0.8 0.7
700	A/c db(A) Δ P eq Δ P				6 37 9.5 5	3.8 29 3.1 2.2	3.4 24 2.4 1.6	2.3 <20 1.1 1
760	A/c db(A) Δ P eq Δ P				6.6 42 12 6	4 30 4 2.5	3.6 26 2.8 1.8	2.5 22 1.3 1.2
900	A/c db(A) Δ P eq Δ P					4.7 33 5.4 3	3.8 28 3.2 2	3 25 1.8 1.5
960	A/c db(A) Δ P eq Δ P					5 35 6.2 3.8	4 30 3.6 2.2	3.2 27 2 1.4
1.200	A/c db(A) Δ P eq Δ P	A/c: Drive speed m/s db(A): Noise level without damper Δ P eq: Static pressure drop (mm c.a.) with equalizer Δ P: Static pressure drop (mm c.a.) without equalizer				6 40 8.7 5.3	5 35 5.5 3.2	4 30 3.1 2.6
1.500	A/c db(A) Δ P eq Δ P						6 40 7.7 4.6	5 35 4.8 3.9
1.800	A/c db(A) Δ P eq Δ P							6 40 6.8 5.6

SQUARE FIXED-GEOMETRY DIFFUSER

SERIE DGF

GRAPHICAL DESCRIPTION

Serie		Modelo	Acabados	Accesorios
	60/125/171x171	375/315/404x404	LB	PLE
DGF	75/160/214x214	400/355/448x448	RAL	
	150/200/264x264	650/400/500x500		
	225/250/326x326			

DGF-75/160/214X214 – LB + PLE

DESCRIPTION

SERIES

- DGF: Square fixed-geometry swirl diffuser.

MODEL

- DGF75/160/214x214: Square fixed-geometry swirl diffuser with a Ø160 mm neck.

FINISH

- LB: White lacquer finish.

ACCESSORIES (opcional)

- PLE160: Plenum box with a control damper and pressure-equalizing plate for Ø160.

Order example: DGF 75/160/214x214-LB+PLE

- To order a square fixed-geometry swirl diffuser, Ø160mm white-lacquered neck model and plenum box, you should request:

Order	Description
1 Diffuser DGF 75/160/214x214-LB	Square fixed-geometry swirl diffuser, Ø160mm white-lacquered neck model.
1 Plenum PLE160	Plenum box with a control damper and pressure-equalizing plate for Ø160.

Order example: DGF 150/200/264x264-LB

- To order a square fixed-geometry swirl diffuser, Ø200mm white-lacquered neck model, you should request:

Order	Description
1 Diffuser DGF 150/200/264x264-LB	Square fixed-geometry swirl diffuser, Ø200mm white-lacquered neck model.



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