



Serie **DGFC**



FIXED-GEOMETRY
CIRCULAR DIFFUSER



(+34) 91 3235805
(+34) 91 3235703



www.difair.es



info@difair.es



Avd. del Cno de lo Cortao, 28A, Nave 1
28703 San Sebastián de los Reyes, Madrid.

FIXED-GEOMETRY CIRCULAR DIFFUSER SERIE DGFC



MODELS



DGFC 60/125/225

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

DGFC 75/160/250

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

DGFC 150/200/300

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

FIXED-GEOMETRY CIRCULAR DIFFUSER SERIE DGFC



DGFC 225/250/350

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

DGFC 375/315/415

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

DGFC400/355/455

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

DGFC 650/400/520

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

FINISH

- **White**-lacquered steel diffuser.
- Upon request, it can be manufactured in other colors from the **RAL** color chart.

FIXING SYSTEM

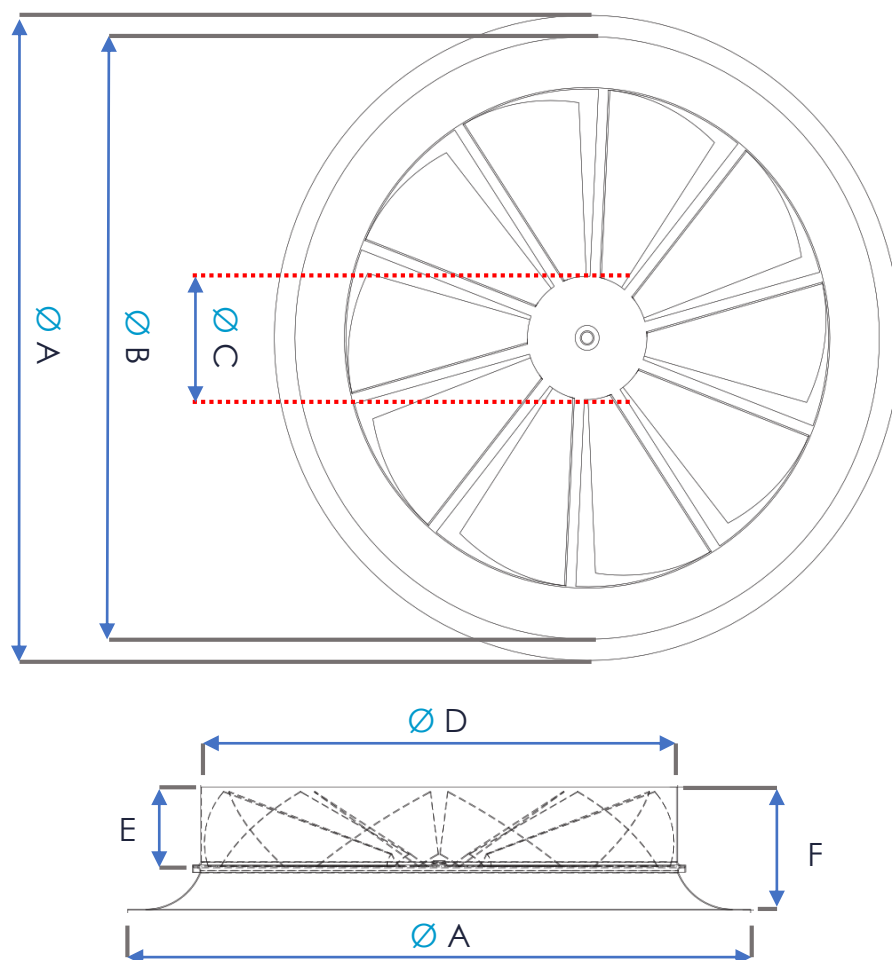
Using screws located on the sides of the diffuser neck or a central screw on the diffuser neck.

ACCESSORIES

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

FIXED-GEOMETRY CIRCULAR DIFFUSER SERIE DGFC

DIMENSIONS



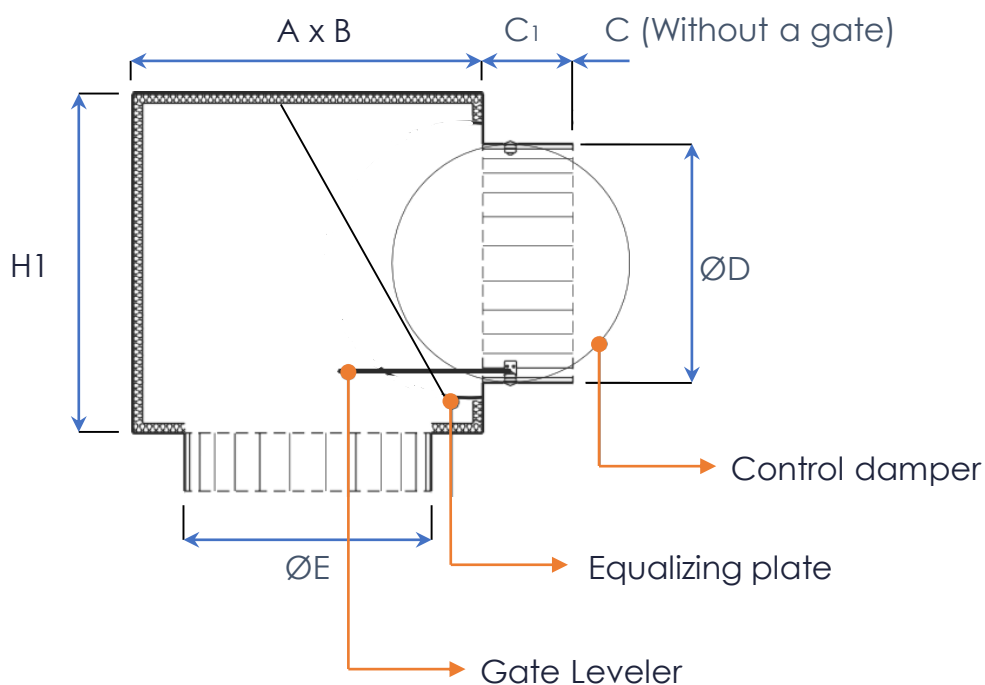
Model	$\varnothing D$	$\varnothing A$	$\varnothing B$	E	F	N° Blades and Pitch	$\varnothing C$
60/125/225	123	200	170	55	85	10 / 35°	28
75/160/250	158	250	220	55	85	10 / 35°	50
150/200/300	198	300	270	55	85	10 / 35°	50
225/250/350	248	350	320	55	85	10 / 35°	65
375/315/415	313	415	385	55	85	10 / 35°	87
400/355/455	353	455	425	65	100	10 / 35°	87
650/400/520	398	520	480	65	105	10 / 35°	87

***Note:** Example of a model description “**DGFC 60 / 125 / 225**”

1. **60:** reference name.
2. **125:** Circumference of the blade assembly neck.
3. **225:** Plate Dimensions.

FIXED-GEOMETRY CIRCULAR DIFFUSER SERIE DGFC

Plenum



PLENUM DIMENSIONS TABLE

PLENUM	A x B	C	C1	$\varnothing D$	$\varnothing E$	H1	N° Parts
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

FIXED-GEOMETRY CIRCULAR DIFFUSER SERIE DGFC

QUICK SELECTION TABLE

	Diameter	125	160	200	250	315	355	400
m³/h								
60	Alc db(A) Δ P eq Δ P	2 <20 2.8 0.7						
160	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc 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	Alc db(A) Δ P eq Δ P	Alc: Pulse 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	Alc db(A) Δ P eq Δ P						6 40 7.7 4.6	5 35 4.8 3.9
1.800	Alc db(A) Δ P eq Δ P							6 40 6.8 5.6

FIXED-GEOMETRY CIRCULAR DIFFUSER SERIE DGFC

GRAPHICAL DESCRIPTION

Series	Model		Finish	Accessories
	60/125/225	375/315/415	LB	PLE
DGFC	75/160/250	400/355/455	RAL	
	150/200/300	650/400/520		
	225/250/350			

DGFC-75/160/250 – LB + PLE

DESCRIPTION

SERIES

- DGFC: Fixed-geometry circular swirl diffuser.

MODEL

- DGFC75/160/250: Fixed-geometry circular swirl diffuser, Ø160 neck model.

FINISH

- LB: White lacquer finish.

ACCESSORIES (optional)

- PLE160: Connection plenum with control damper and pressure-equalizing plate for model Ø160.

Order example: DGFC75/160/250-LB+PLE160

- To order a fixed-geometry circular swirl diffuser, Ø160 neck model in white-lacquered neck and connection plenum, you should request:

Order	Description
1 Diffusor DGFC 75/160/250-LB	fixed-geometry circular swirl diffuser, Ø160 neck model in white-lacquered.
1 Plenum PLE160	Connection plenum with control damper and pressure-equalizing plate for model Ø160.

Order example: DGFC150/200/300-LB

- To order a fixed-geometry circular swirl diffuser, Ø200 neck model in white-lacquered neck, you should request:

Order	Description
1 Diffuser DGFC150/200/300-LB	fixed-geometry circular swirl diffuser, Ø200 neck model in white-lacquered.



Any element of this document may be subject to change without notice from Manufacturas Difair-Clima, S.L. CONTAINS INTELLECTUAL PROPERTY. Any partial or total reproduction of the contents without the express authorization of Manufacturas DIFAIR-CLIMA, S.L. is prohibited.

The information contained in this document is based on careful testing and experience. It reflects our knowledge and is for guidance purposes only. It is provided in good faith and the user should satisfy himself that the product is fit for use prior to any application. The values quoted are averages and should not be taken as maximum or minimum values for specific purposes. The manufacturer and distributor are not responsible for any non-recommended use or consequential damage.

THE INFORMATION PROVIDED IN THIS DOCUMENT SUPERSEDES ALL PREVIOUS VERSIONS OF THIS DOCUMENT.



(+34) 91 3235805
(+34) 91 3235703



www.difair.es



info@difair.es



Manufacturas Difair-Clima, S.L.
Avd. del Cno de lo Cortao, 28A, Nave 1
28703 San Sebastián de los Reyes, Madrid.