

# Product Information

## Helical Diffuser

### Model SF 16, SF 20, SF 24, SF 32.

Caryaire Helical Square diffuser series SF is an excellent architectural diffuser designed to provide efficient diffusion as the air exits in all four directions and hugs the ceiling to provide efficient mixing and performance. It is easy to install, and are Available in four configurations of frames for different applications. The recommended mounting height is around 2.5m to 4.0m for all models



### Construction Details

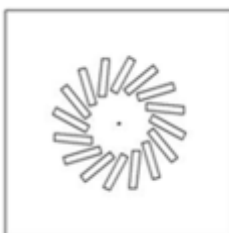
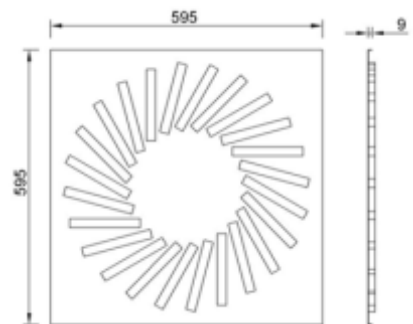
Outer frame – 1.0mm

Blade - 0.5 Pre-painted sheet

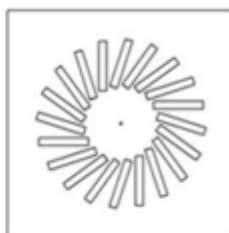
Vane Support - PVC

STD finish - Powder Coating (Caryaire white & Caryaire off white)

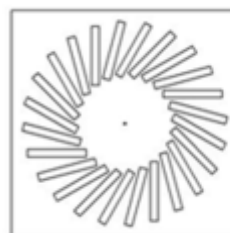
Sizes - 595 x 595mm & 623 x 623mm



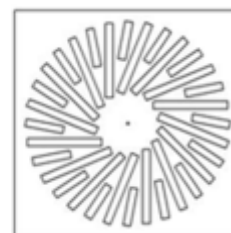
Model SF 16,



Model SF 20,



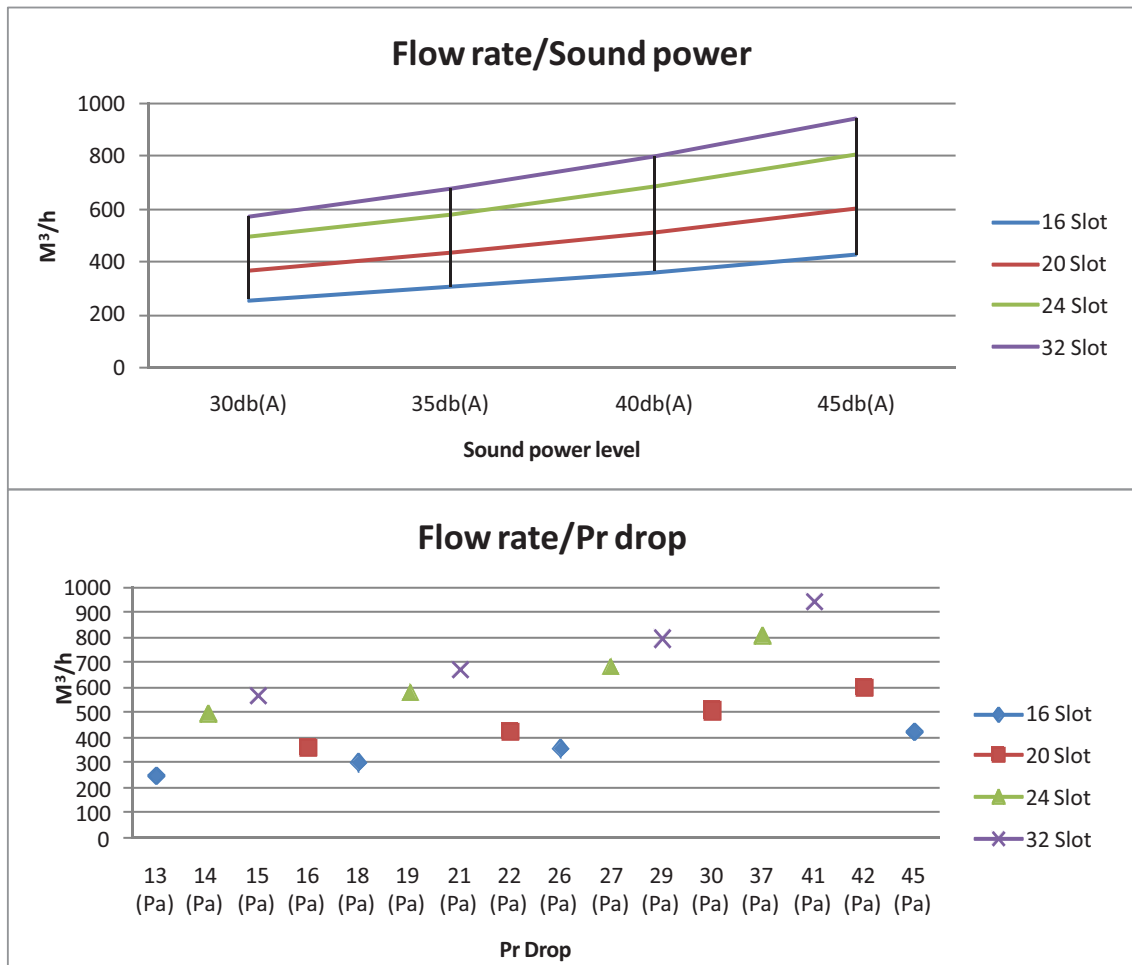
Model SF 24,



Model SF 32,

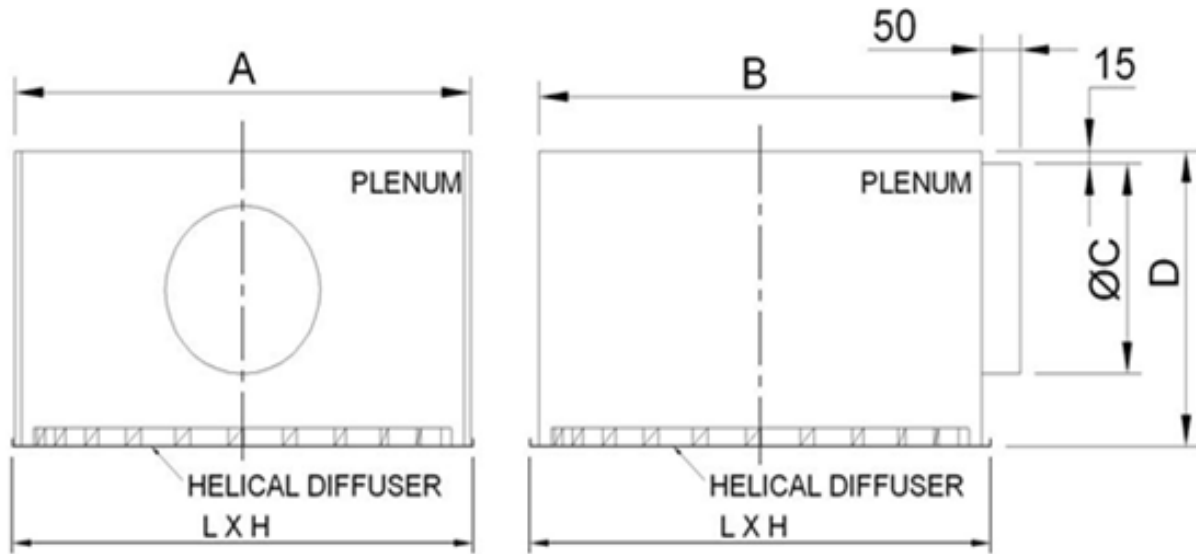
# Product Information

Technical data											
MODEL	NO OF SLOTS	EXT.DIMENSION IN mm	FREE AREA IN M <sup>2</sup>	FLOW RATE IN CMH AND Pr DROP IN PASCAL ON DIFFERENT SOUND LEVELS							
				30db		35db		40db		45db	
				CMH	Pa	CMH	Pa	CMH	Pa	CMH	Pa
SF 16-60	16	595 X 595	0.0318	255	13	305	18	360	26	425	35
SF 16-62		623 X 623									
SF 20-60	20	595 X 595	0.052	365	16	430	22	510	30	600	42
SF 20-62		623 X 623									
SF 24-60	24	595 X 595	0.0744	495	14	580	19	685	27	810	37
SF 24-62		623 X 623									
SF 32-60	32	595 X 595	0.0944	570	15	675	21	795	29	940	41
SF 32-62		623 X 623									

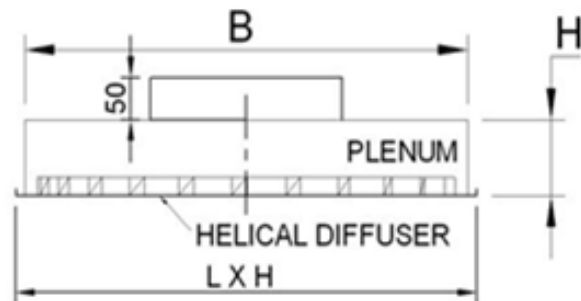


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## Plenum For Helical Diffuser



PLENUM DIMENSION						
MODEL	LXH	A	B	C	D	H
SF16/SF20	595 X 595	588	570	199	300	90
SF24/SF32	595 X 595	588	570	249	350	115
SF16/SF20	623 X 623	616	598	199	300	90
SF24/SF32	632 X 623	616	598	249	350	115



## Suggested specification

Adjustable Blade Helical Diffuser meeting or exceeding the following specification shall be furnished and installed at locations shown in the plans or described in the schedules. Mounting height for all models shall be between 2.5m-4.0m. The outer frame shall be made of 1.0 mm CRC sheet and powder coated. Standard powder coating finish shall be Caryaire White or Caryaire Off white. The Diffuser blades shall be made of 0.5mm pre painted sheet and shall be supported on both sides with PVC blade supports. Plenums made of 0.6mm.GI with lateral connection for diffusers shall be provided where required.

**Helical Diffuser shall be in all respect as Caryaire model SF Series**