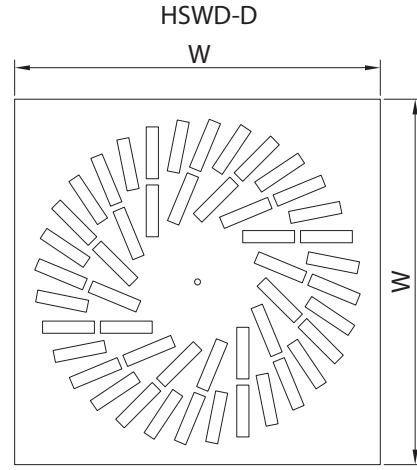
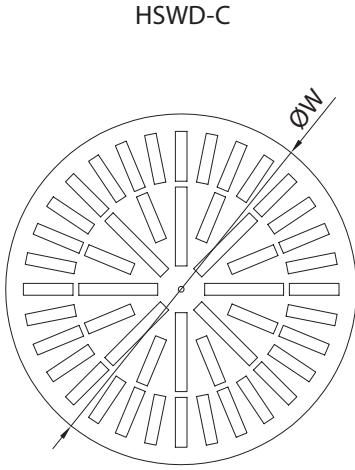
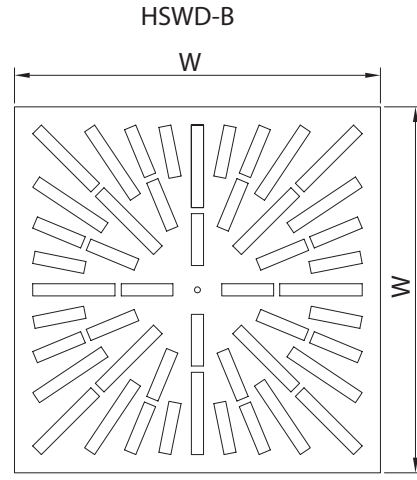
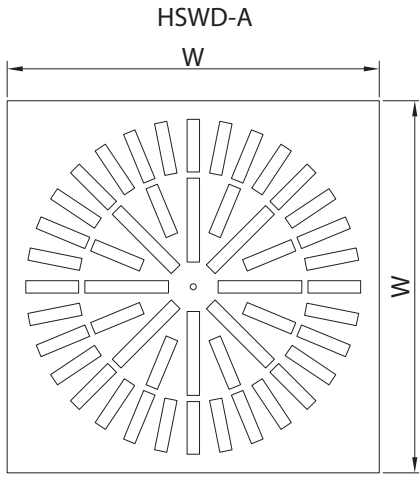


# HSWD

## SWIRL DİFÜZÖR Swirl Diffusers

### SWIRL DİFÜZÖR ÖLÇÜLERİ ve EFEKTİF ALANLARI SWIRL DIFFUSERS DIMENSIONS and EFFECTIVE AREAS



#### HSD-A / HSD-D

	WxW (mm)				
	310x310	400x400	500x500	600x600	800x800
Anma Çapı	0.020	0.035	0.076	0.089	0.146

#### HSD-B

	WxW (mm)				
	310x310	400x400	500x500	600x600	800x800
Anma Çapı	0.031	0.039	0.080	0.110	0.167

#### HSD-C

	ØW (mm)				
	310	400	500	600	800
Anma Çapı	0.020	0.035	0.076	0.089	0.146

**HSD-A / HSD-C / HSD-D SWIRL DİFÜZÖR KOLAY SEÇİM TABLOSU**  
*HSD-A / HSD-C / HSD-D SWIRL DIFFUSERS QUICK SELECTION TABLE*

		HSD-A / HSD-C / HSD-D				
		Anma Çapı				
V (m <sup>3</sup> /h)		0.020	0.035	0.076	0.089	0.146
100	ueff. (m/s)	1.4				
	X0,1(m)	1.9				
	X0,25 (m)	0.8				
	ΔPt (Pa)	7				
	SPL (dBA)	<20				
125	ueff. (m/s)	1.7				
	X0,1(m)	2.3				
	X0,25 (m)	1				
	ΔPt (Pa)	10				
	SPL (dBA)	21				
150	ueff. (m/s)	2.1				
	X0,1(m)	2.7				
	X0,25 (m)	1.2				
	ΔPt (Pa)	13				
	SPL (dBA)	23				
175	ueff. (m/s)	2.4	1.4			
	X0,1(m)	3.1	2.6			
	X0,25 (m)	1.4	1.4			
	ΔPt (Pa)	19	15			
	SPL (dBA)	28	25			
200	ueff. (m/s)	2.8	1.6			
	X0,1(m)	3.5	2.9			
	X0,25 (m)	1.6	1.5			
	ΔPt (Pa)	24	20			
	SPL (dBA)	32	28			
250	ueff. (m/s)	3.5	2.0			
	X0,1(m)	4.8	3.4			
	X0,25 (m)	2.1	1.9			
	ΔPt (Pa)	37	30			
	SPL (dBA)	36	33			
300	ueff. (m/s)	4.2	2.4	1.1		
	X0,1(m)	5.5	4.0	2.7		
	X0,25 (m)	2.5	2.1	1.4		
	ΔPt (Pa)	50	39	9		
	SPL (dBA)	42	37	24		
420	ueff. (m/s)		3.3	1.5	1.3	
	X0,1(m)		4.7	3.5	3.2	
	X0,25 (m)		2.6	1.9	1.6	
	ΔPt (Pa)		74	18	13	
	SPL (dBA)		46	32	23	

# HSWD

## SWİRL DİFÜZÖR

Swirl Diffusers

HSWD-A / HSD-C / HSD-D SWİRL DİFÜZÖR KOLAY SEÇİM TABLOSU  
HSWD-A / HSD-C / HSD-D SWİRL DIFFUSERS QUICK SELECTION TABLE

		HSD-A / HSD-C / HSD-D				
		Anma Çapı				
V (m <sup>3</sup> /h)		0.020	0.035	0.076	0.089	0.146
500	ueff. (m/s)			1.8	1.6	
	X0,1(m)			4.2	3.9	
	X0,25 (m)			2.3	2.0	
	ΔPt (Pa)			26	16	
	SPL (dBA)			37	27	
600	ueff. (m/s)			2.2	1.9	
	X0,1(m)			4.5	4.3	
	X0,25 (m)			2.5	2.3	
	ΔPt (Pa)			34	23	
	SPL (dBA)			41	32	
750	ueff. (m/s)			2.7	2.3	1.4
	X0,1(m)			5.2	5.0	4.1
	X0,25 (m)			2.8	2.6	2.1
	ΔPt (Pa)			60	32	11
	SPL (dBA)			47	38	23
800	ueff. (m/s)			2.9	2.5	1.5
	X0,1(m)			5.7	5.3	4.3
	X0,25 (m)			3.0	2.8	2.2
	ΔPt (Pa)			75	39	13
	SPL (dBA)			48	41	25
950	ueff. (m/s)				3.0	1.8
	X0,1(m)				6.4	4.9
	X0,25 (m)				3.1	2.5
	ΔPt (Pa)				55	18
	SPL (dBA)				46	31
1100	ueff. (m/s)					2.1
	X0,1(m)					5.3
	X0,25 (m)					2.7
	ΔPt (Pa)					25
	SPL (dBA)					36
1200	ueff. (m/s)					2.3
	X0,1(m)					5.9
	X0,25 (m)					3.0
	ΔPt (Pa)					27
	SPL (dBA)					39
1450	ueff. (m/s)					2.8
	X0,1(m)					6.9
	X0,25 (m)					3.4
	ΔPt (Pa)					36
	SPL (dBA)					45
1700	ueff. (m/s)					3.2
	X0,1(m)					8
	X0,25 (m)					4
	ΔPt (Pa)					49
	SPL (dBA)					49

**HSWD-B SWIRL DİFÜZÖR KOLAY SEÇİM TABLOSU**  
**HSWD-B SWIRL DIFFUSERS QUICK SELECTION TABLE**

Aeff (m<sup>2</sup>): Efektif alan  
 Ueff (m/s): Efektif hız  
 V (m<sup>3</sup>/h): Hava debisi  
 X0,1 (m): Konfor bölgesindeki atış mesafesi –  
 0,1 m/s hava hızında X0,25 (m): Konfor bölgesindeki  
 atış mesafesi – 0,25 m/s hava hızında  
 ΔPt (Pa): Toplam basınç kaybı  
 SPL (dBA): Ses seviyesi

Effective area  
 Effective velocity  
 Air flow rate  
 Throw distance in the comfort zone –  
 0,1 m/s air velocity  
 Throw distance in the comfort zone –  
 0,25 m/s air velocity  
 Total pressure drop  
 Sound level

		HSD-B				
		Anma Çapı				
V (m <sup>3</sup> /h)		310x310	400x400	500x500	600x600	800x800
100	ueff. (m/s)	0.9				
	X0,1(m)	2.3				
	X0,25 (m)	1.0				
	ΔPt (Pa)	8				
	SPL (dBA)	<20				
130	ueff. (m/s)	1.2				
	X0,1(m)	3.2				
	X0,25 (m)	1.5				
	ΔPt (Pa)	10				
	SPL (dBA)	20				
180	ueff. (m/s)	1.6	1.3			
	X0,1(m)	4.2	2.7			
	X0,25 (m)	1.9	0.8			
	ΔPt (Pa)	18	9			
	SPL (dBA)	36	26			
220	ueff. (m/s)	2.0	1.6			
	X0,1(m)	4.9	3.2			
	X0,25 (m)	2.4	1.0			
	ΔPt (Pa)	20	15			
	SPL (dBA)	44	31			
250	ueff. (m/s)	2.2	1.8			
	X0,1(m)	5.3	3.7			
	X0,25 (m)	2.7	1.1			
	ΔPt (Pa)	40	21			
	SPL (dBA)	50	35			
300	ueff. (m/s)		2.1			
	X0,1(m)		4.4			
	X0,25 (m)		1.5			
	ΔPt (Pa)		32			
	SPL (dBA)		39			
340	ueff. (m/s)		2.4			
	X0,1(m)		5.1			
	X0,25 (m)		1.8			
	ΔPt (Pa)		42			
	SPL (dBA)		43			
420	ueff. (m/s)		3.0	1.5		
	X0,1(m)		5.8	3.2		
	X0,25 (m)		2.4	1.8		
	ΔPt (Pa)		73	16		
	SPL (dBA)		44	30		
475	ueff. (m/s)			1.6	1.2	
	X0,1(m)			3.5	2.9	
	X0,25 (m)			2.0	1.3	
	ΔPt (Pa)			19	18	
	SPL (dBA)			34	30	
550	ueff. (m/s)			1.9	1.4	
	X0,1(m)			3.8	3.3	
	X0,25 (m)			2.2	1.4	
	ΔPt (Pa)			24	21	
	SPL (dBA)			40	32	

# HSWD

## SWİRL DİFÜZÖR

Swirl Diffusers

HSWD-B SWİRL DİFÜZÖR KOLAY SEÇİM TABLOSU  
HSWD-B SWİRL DIFFUSERS QUICK SELECTION TABLE

HSD-B						
V (m <sup>3</sup> /h)		Anma Çapı				
		310x310	400x400	500x500	600x600	800x800
625	ueff. (m/s)			2.2	1.6	
	X0,1(m)			4.1	3.8	
	X0,25 (m)			2.3	1.6	
	ΔPt (Pa)			33	26	
	SPL (dBA)			44	34	
700	ueff. (m/s)			2.4	1.8	
	X0,1(m)			4.5	4.3	
	X0,25 (m)			2.6	1.8	
	ΔPt (Pa)			42	31	
	SPL (dBA)			48	37	
850	ueff. (m/s)			3.0	2.1	
	X0,1(m)			5.0	4.8	
	X0,25 (m)			2.9	2.4	
	ΔPt (Pa)			59	42	
	SPL (dBA)			49	41	
1000	ueff. (m/s)				2.5	1.7
	X0,1(m)				5.7	3.6
	X0,25 (m)				2.5	2.3
	ΔPt (Pa)				62	16
	SPL (dBA)				44	29
1100	ueff. (m/s)				2.8	1.8
	X0,1(m)				6.2	3.8
	X0,25 (m)				2.8	2.4
	ΔPt (Pa)				72	18
	SPL (dBA)				48	32
1300	ueff. (m/s)					2.2
	X0,1(m)					4.2
	X0,25 (m)					2.7
	ΔPt (Pa)					23
	SPL (dBA)					38
1400	ueff. (m/s)					2.3
	X0,1(m)					4.4
	X0,25 (m)					2.8
	ΔPt (Pa)					25
	SPL (dBA)					40
1600	ueff. (m/s)					2.7
	X0,1(m)					4.8
	X0,25 (m)					3.1
	ΔPt (Pa)					32
	SPL (dBA)					44
1800	ueff. (m/s)					3.0
	X0,1(m)					5.3
	X0,25 (m)					3.4
	ΔPt (Pa)					46
	SPL (dBA)					50