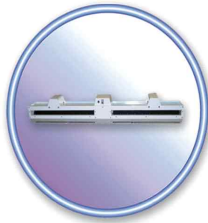
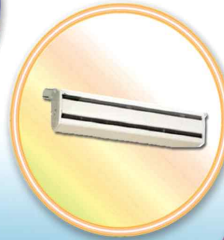


FD SLIM FAN SERIES

VENTILATION
PRODUCTS
for
Car Parking Lot





FD SLIM FAN



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인 사 말

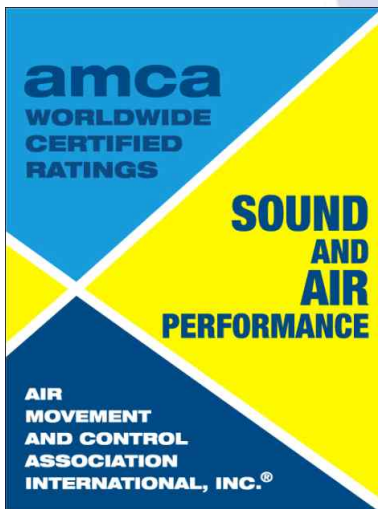
믿음과 신뢰를 추구하는 기업

고객 만족을 최우선으로 하는 시스템벤트가 되겠습니다.

당사는 'Total Solution the Housing and Parking lot Ventilation System'을 추구하는 회사로 1999년도에 창업하여 현재에 이르고 있습니다.

시스템벤트(주)는 “투명경영과 상호신뢰”의 기업이념을 바탕으로
전 임직원 모두가 최고의 품질과 최상의 서비스로
고객만족을 위해서 꾸준히 노력하고 있습니다.

시스템벤트(주) 임직원 일동



amca INTERNATIONAL
www.amca.org



시스템벤트(주)가 획득한 FD SLIM FAN SERIES의
AMCA SEAL에 대한 내용입니다.

등급표시는 **AMCA 211**과 **AMCA 311**에 의거 Test 및 절차에
따른 것이며, AMCA 보증프로그램의 요구사항과 일치합니다.

Systemvent Co.,Ltd certifies that the type
“FD SLIM FAN SERIES” shown herein are
licensed to bear the AMCA SEAL.

The ratings shown are based on tests and procedures
performed in accordance with **AMCA publication 211** and
AMCA publication 311 and comply with the requirements
of the AMCA certified ratings program.

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FD 및 BDD 기능을 일체화한 벽체 매립형

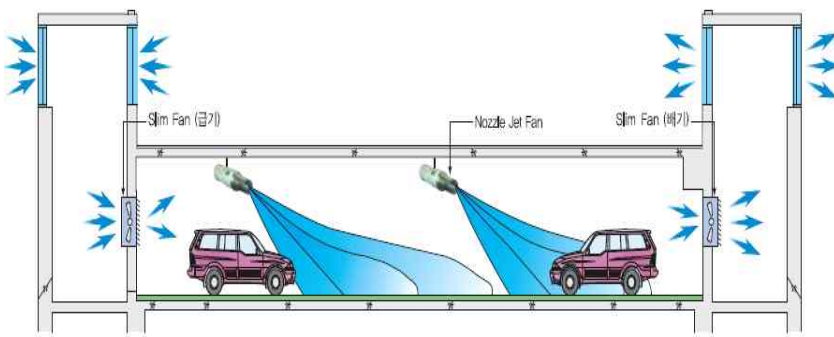
FD SLIM FAN



**Patent
Protected!**



FD Slim Fan은 시스템베트가 국내 최초로 개발해 특허 취득한 제품임



구성

직결 또는 BELT 구동 방식의 급배기용 FD SLIM FAN을 벽체에 매립 설치하여 시공이 간편하며 특히 FLAP DEVICE 또는 원심력 조속기를 내장하여 FAN의 기동 시 Back Draft Damper (BDD), Fire Damper (FD) 겸용 Shutter(1.6Thk)를 기계적으로 열어 떨림을 방지, FAN의 효율을 최대로 유지할 수 있으며 FAN 정시 시 자동으로 Shutter를 닫아 BDD 및 FD 역할을 수행한다.

특징

- 벽체 매립형
 - FAN 설치 시 별도의 FAN ROOM이 필요없으므로 공간 활용이 용이함
 - 벽체 매립으로 설치 시공이 간단하고 건물충고를 줄여 건축 공사비 절감
- FD와 BDD 루버 일체형
 - FD , BDD 루버를 일체화함으로써 구조가 간단하다.
 - 시스템의 단순화로 유지보수가 용이하다.
 - FD 및 BDD를 위한 별도의 사각덕트 설치가 필요 없어 공사비 절감
- Flap Device / 원심형 조속기 설치
 - FAN의 풍압 또는 원심회전력을 활용하여 FD 및 BDD 겸용 Shutter를 개폐하므로 시스템이 안정적이며 Shutter를 조속기로 개폐함으로 댐퍼 소음이 없음



FD SLIM FAN



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■ As-Run Results at Standard Air

Impeller Diameter = 1180mm

Model	Det	N	Ps	Q	Wmi	LwA
		[r/min]	[Pa]	[m ³ /s]	[W]	[dB(A)]
FDS-140	1	481	10	7.198	1274	83
	2	481	17	6.957	1295	83
	3	480	24	6.686	1313	83
	4	480	28	6.451	1330	83
	5	480	34	6.205	1340	83
	6	480	38	6.043	1351	83
	7	480	42	5.83	1357	84
	8	480	50	5.313	1362	84
	9	480	56	4.984	1368	-

- Performance Certified is for installation Type A - Free Inlet , Free Outlet with partition
- Values shown are for Outlet LwoA sound power levels for installation Type A: free inlet, free outlet with partition
The A-weighted sound power ratings shown have been calculated per AMCA international Standard 301.
Power rating includes transmission losses.
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings is include the effects of Inlet shutter and Outlet guard.
- Hyun-Dai Motor : 3Ph x 380V x 60Hz , 1.5kW, 1735 r/min , 3.5A , F Class , IP55 (S/N 18A394-A13-323-BJW)

■ As-Run Results at Standard Air

Impeller Diameter = 1380mm

Model	Det	N	Ps	Q	Wmi	LwA
		[r/min]	[Pa]	[m ³ /s]	[W]	[dB(A)]
FDS-160	1	413	2	11.169	1303	82
	2	411	21	9.978	1576	82
	3	411	29	9.371	1665	82
	4	411	38	8.707	1643	82
	5	410	43	8.210	1714	82
	6	410	49	7.585	1688	83
	7	410	52	7.223	1667	83
	8	411	57	6.349	1500	83
	9	411	62	5.319	1454	84
	10	408	69	3.191	1799	-

- Performance Certified is for installation Type A - Free Inlet , Free Outlet with partition
- Values shown are for Outlet LwoA sound power levels for installation Type A: free inlet, free outlet with partition
The A-weighted sound power ratings shown have been calculated per AMCA international Standard 301.
Power rating includes transmission losses.
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings is include the effects of Inlet shutter and Outlet guard.
- Hyun-Dai Motor : 3Ph x 380V x 60Hz , 1.5kW, 1735 r/min , 3.5A , F Class , IP55 (S/N 18A394-A13-104-BJW)

■ As-Run Results at Standard Air

Impeller Diameter = 1580mm

Model	Det	N	Ps	Q	Wmi	LwA
		[r/min]	[Pa]	[m³/s]	[W]	[dB(A)]
FDS-180	1	381	1	16.104	1825	87
	2	381	22	14.315	1961	87
	3	380	35	12.993	2077	87
	4	378	49	11.319	2177	84
	5	378	56	10.372	2194	84
	6	378	59	9.811	2184	85
	7	378	61	8.643	2058	85
	8	378	65	7.333	2011	85
	9	376	89	5.134	2374	83
	10	374	141	1.342	2845	-

- Performance Certified is for installation Type A – Free Inlet , Free Outlet with partition.
- Values shown are for Outlet LwoA sound power levels for installation Type A: free inlet, free outlet with partition.
The A-weighted sound power ratings shown have been calculated per AMCA international Standard 301.
Power rating includes transmission losses.
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings is include the effects of Inlet shutter and Outlet guard.
- Hyun-Dai Motor : 3Ph x 380V x 60Hz , 2.2kW, 1750 r/min , 4.7A , F Class , IP55 (S/N 18A277-1308-014-BJV)

■ As-Run Results at Standard Air

Impeller Diameter = 1780mm

Model	Det	N	Ps	Q	Wmi	LwA
		[r/min]	[Pa]	[m³/s]	[W]	[dB(A)]
FDS-200	1	326	1	19.912	2096	83
	2	325	14	18.330	2238	83
	3	325	24	17.126	2321	83
	4	324	37	15.150	2430	83
	5	323	43	14.003	2463	83
	6	323	49	12.766	2459	83
	7	323	51	11.367	2341	84
	8	323	54	9.770	2215	85
	9	323	64	7.996	2346	83
	10	321	91	3.363	2900	-

- Performance Certified is for installation Type A – Free Inlet , Free Outlet with partition.
- Values shown are for Outlet LwoA sound power levels for installation Type A: free inlet, free outlet with partition.
The A-weighted sound power ratings shown have been calculated per AMCA international Standard 301
Power rating includes transmission losses.
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings is include the effects of Inlet shutter and Outlet guard.
- Hyun-Dai Motor : 3Ph x 380V x 60Hz , 2.2kW, 1750 r/min , 4.7A , F Class , IP55 (S/N 18A277-1308-097-BJV)

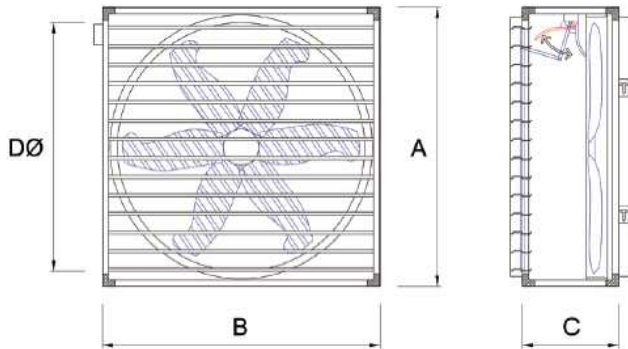


FD SLIM FAN



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DIMENSION



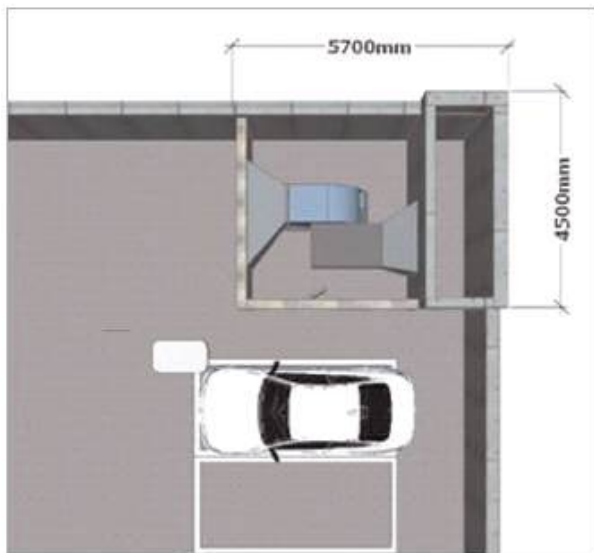
NO	Dimensions (mm)			
	FDS-140	FDS-160	FDS-180	FDS-200
A	1,380	1,530	1,750	1,910
B	1,380	1,530	1,750	1,910
C	500	500	500	500
D Ø	1,282	1,392	1,950	1,760
Sleeve □	1,450	1,600	1,800	1,950
건축 Open □	1,470	1,620	1,820	1,970

PART LIST

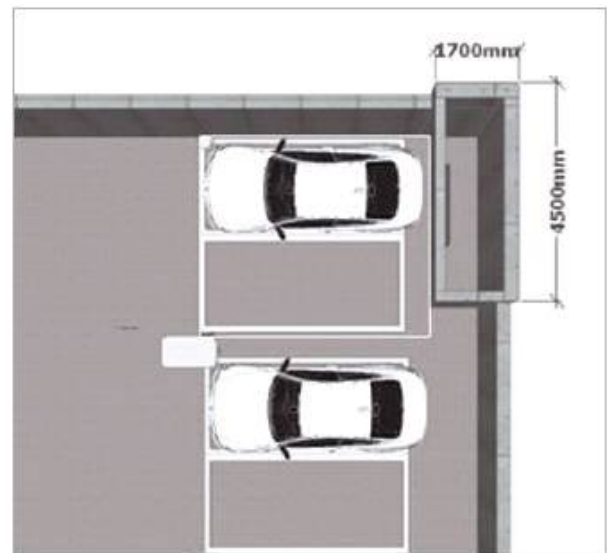
No	Description	Material	No	Description	Material
1	케이싱	Galvanized Steel 1.6T	5	원심력 조속기	ABS
2	임펠러	GI 1.6T, STS 1.5T	6	Flap Device	Galvanized Steel
3	셔터	Galvanized Steel 1.6T	7	Corner Piece	ABS
4	셔터 링크	Aluminum Diecasting	8	Frame Bar	Galvanized Steel

설치 Space 비교

1. 기존 Sirocco Fan 설치 경우



2. 변경 FD Slim Fan 설치 경우





■ 본사및공장 : 경기도 양주시 광적면 부흥로 925번길, 185-10

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