

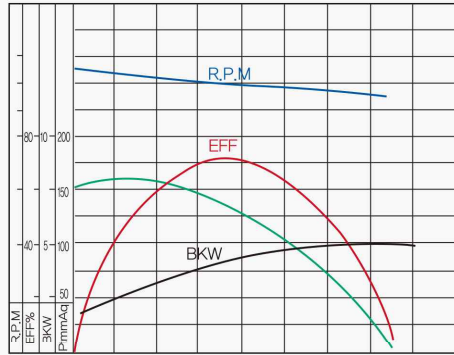


AIR FOIL FAN (편흡입)

AIR FOIL FAN

성능 곡선도

압력곡선은 풍량 20% 상태에서 최고가 되며 이 풍량이허가 서어징 영역이므로 곡선은 안정된 상태를 유지한다. 동력곡선은 최고 효율점 부근에서 가장 높은 후 감소하는 리미트 로드 특성이 있다. 효율곡선은 극히 좋으며 80%를 상회하기도 하고 유적이 가장 적속하다.



특징

AIR FOIL FAN은 날개에 항공기의 익형을 응용한 것이며 원심 FAN 중에는 가장 새로운 기종입니다. 즉 TURBO FAN의 1매의 날개 또는 2매의 판을 합쳐서 익형으로 성형한 것입니다. 효율이 좋고 소음도 낮으며 고속회전이 가능하고 날개경도 작게 할 수 있으므로 전체로서 소형이 되는 잇점이 있습니다. LIMIT LOAD 특성도 갖고 있으며 다소 DUST를 함유한 GAS를 취급할 경우에는 내마모성 구조로 할 수도 있습니다. 날개의 수는 8~16매 이며 날개폭은 비교적 넓고 날개는 철판을 굽혀서 익형으로 하여 주판, 측판에 용접되어 있습니다. 케이싱 구조는 보통 FAN과 동일하지만 흡입 CONE은 벨마우스 모양을 하고 있습니다. 성능은 동력곡선 최고효율점 부근에서 LIMIT LOAD 특성이 있고 압력곡선은 TURBO FAN과 마찬가지로 안전성이 좋은 곡선을 이루고 있습니다. 또한 효율은 극히 좋으며 소음은 TURBO FAN보다 적습니다.

용도

건축환기용, 보일러 송배풍용, 시멘트 공장용, 일반산업용, 공기정화용, 급배기용

형식

편흡입식 / 양흡입식

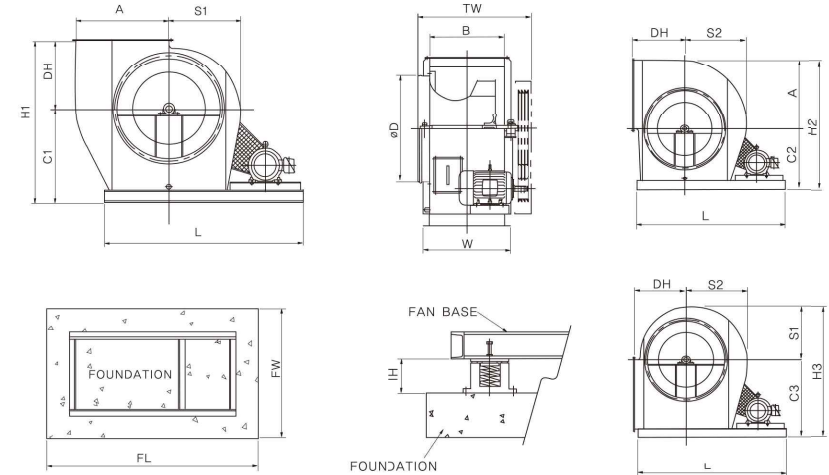
축형식

편축 / 양축

날개형식

Blade (날개) - 1겹
Blade (날개) - 2겹(주요형)

외형도



Specification

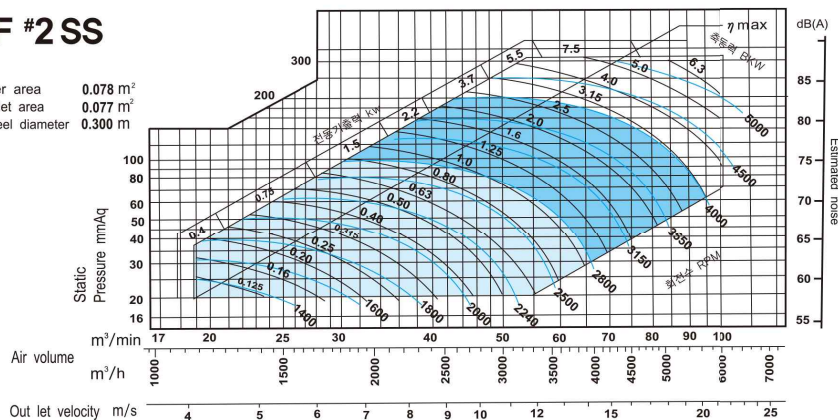
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흡입구	D	320	400	480	560	640	720	800	880	960	1120	1280	1440	1600	1760	1930	2180
토출구	A	305	380	455	535	610	685	760	840	915	1065	1220	1370	1525	1675	1830	1980
	B	240	300	360	420	480	560	600	660	730	845	965	1080	1200	1320	1440	1560
FAN BASE	L	800	860	970	1060	1150	1300	1400	1550	1600	1900	2050	2300	2500	2800	3000	3300
	W	320	400	460	520	580	660	700	740	810	1045	1095	1210	1330	1450	1515	1710
전체 높이	H1	535	660	770	925	1030	1140	1260	1395	1520	1765	2060	2280	2505	2700	2930	3170
	H2	585	710	855	995	1130	1255	1385	1540	1670	1940	2210	2470	2765	3055	3305	3610
	H3	585	725	855	995	1130	1255	1385	1540	1670	1940	2235	2495	2765	3055	3305	3610
센터 높이	C1	310	385	450	515	580	650	720	805	870	1025	1190	1320	1455	1550	1690	1820
	C2	280	330	400	460	520	570	625	700	755	875	990	1100	1240	1380	1475	1630
	C3	355	440	515	595	675	750	825	920	995	1155	1335	1485	1640	1820	1975	2150
전체폭	TW	450	500	600	630	740	780	930	940	1040	1250	1350	1600	1760	1900	2050	1270
케이싱	DH	240	275	340	410	450	490	540	590	650	740	870	960	1050	1150	1240	1350
	S1	230	285	340	400	455	505	561	620	675	785	900	1010	1125	1235	1330	1460
	S2	260	325	400	460	525	585	650	720	785	915	1050	1180	1300	1400	1540	1670
PAD(기초)	FL	1100	1160	1270	1360	1450	1600	1700	1850	1900	2200	2350	2600	2800	3100	3300	3600
	FW	620	700	760	820	880	960	1000	1040	1110	1345	1395	1510	1630	1750	1815	2010
방진	IH	106	106	106	138	138	138	138	138	138	138	138	155	155	155	155	155



AIR FOIL FAN (SS)

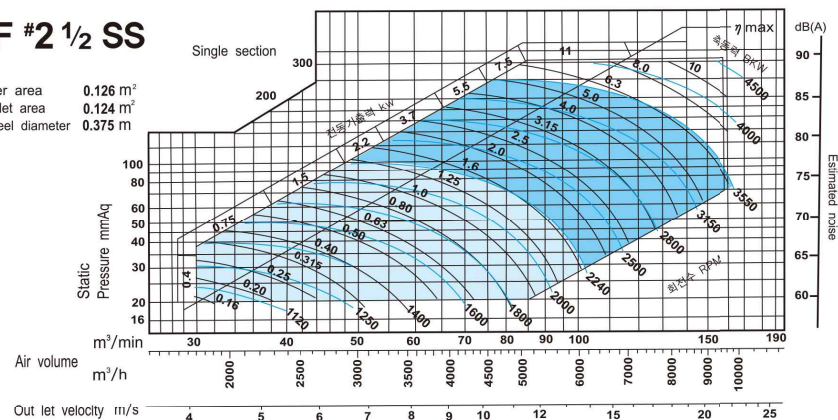
AF #2 SS

Inter area 0.078 m²
Outlet area 0.077 m²
Wheel diameter 0.300 m



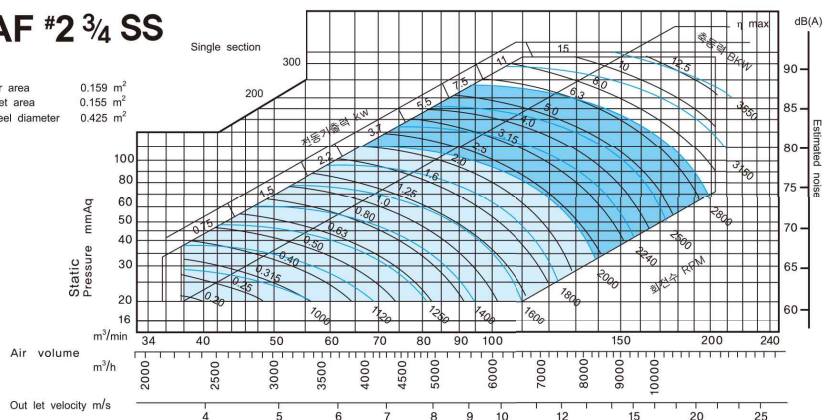
AF #2 1/2 SS

Inter area 0.126 m²
Outlet area 0.124 m²
Wheel diameter 0.375 m



AF #2 3/4 SS

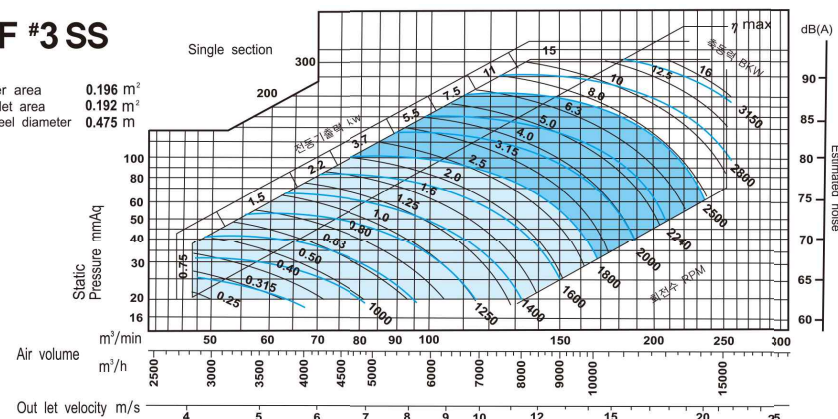
Inter area 0.159 m²
Outlet area 0.155 m²
Wheel diameter 0.425 m



AIR FOIL FAN (SS)

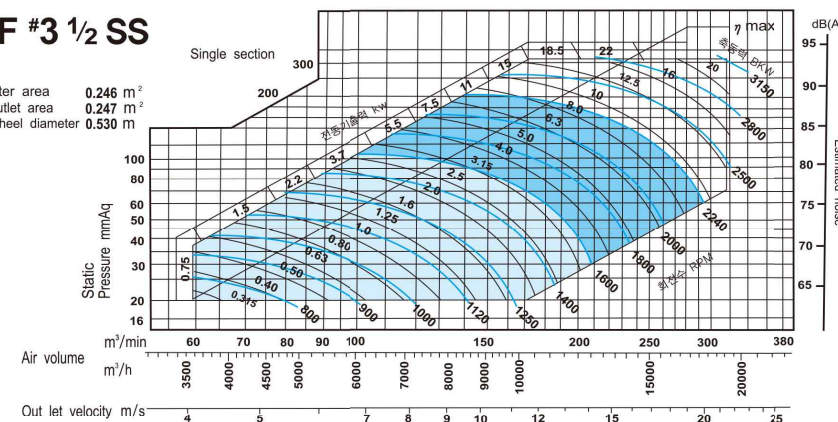
AF #3 SS

Inter area 0.196 m²
Outlet area 0.192 m²
Wheel diameter 0.475 m



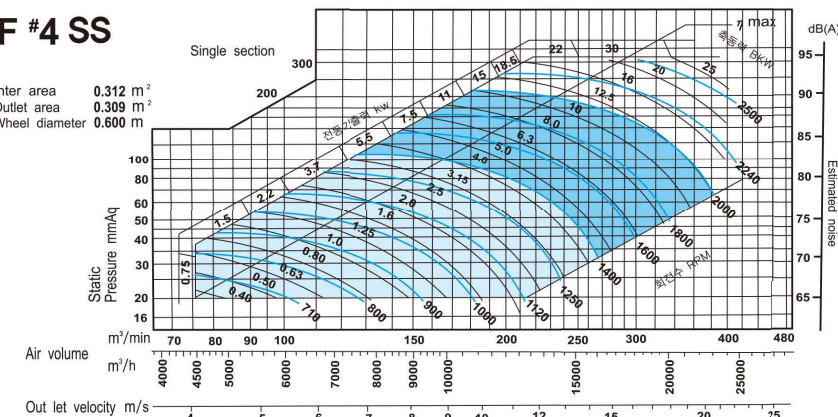
AF #3 1/2 SS

Inter area 0.246 m²
Outlet area 0.247 m²
Wheel diameter 0.530 m



AF #4 SS

Inter area 0.312 m²
Outlet area 0.309 m²
Wheel diameter 0.600 m

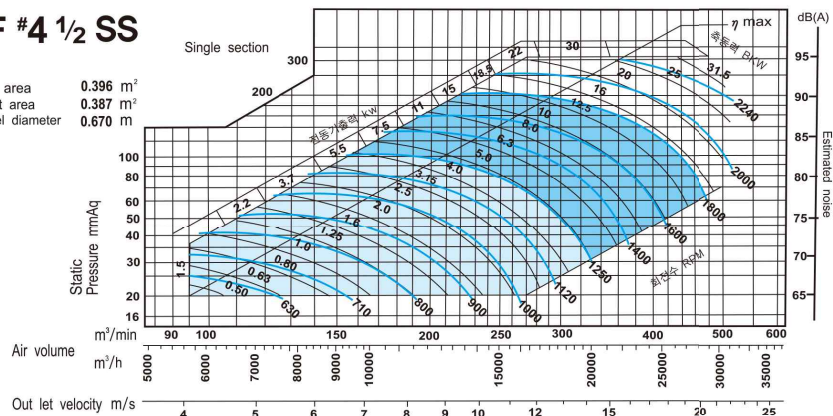




AIR FOIL FAN (SS)

AF #4 1/2 SS

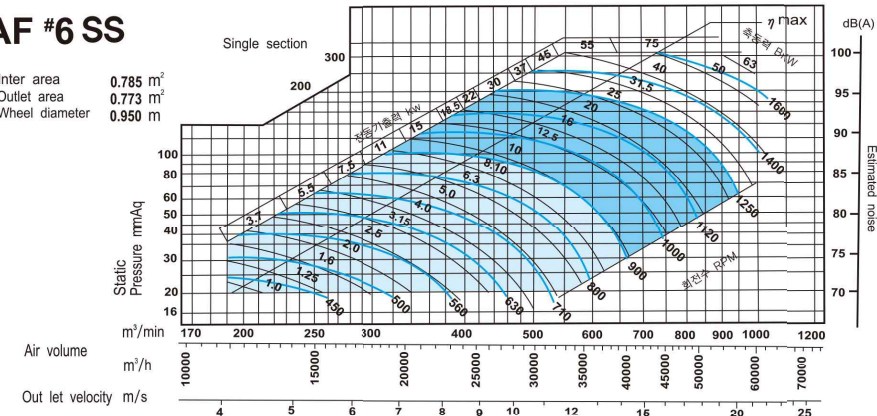
Inter area 0.396 m²
Outlet area 0.387 m²
Wheel diameter 0.670 m



AIR FOIL FAN (SS)

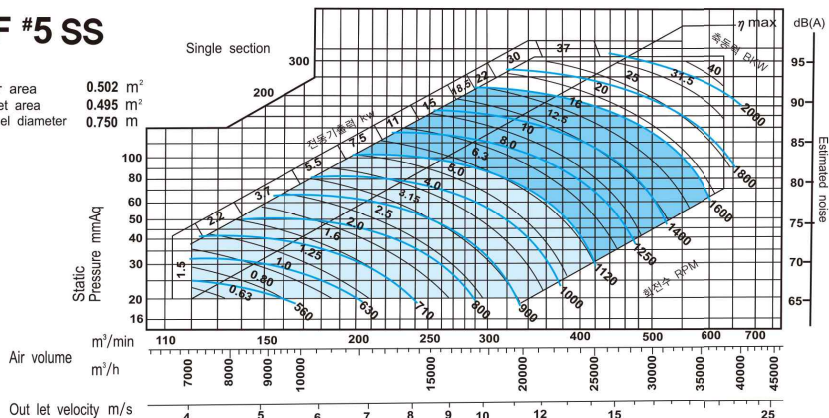
AF #6 SS

Inter area 0.785 m²
Outlet area 0.773 m²
Wheel diameter 0.950 m



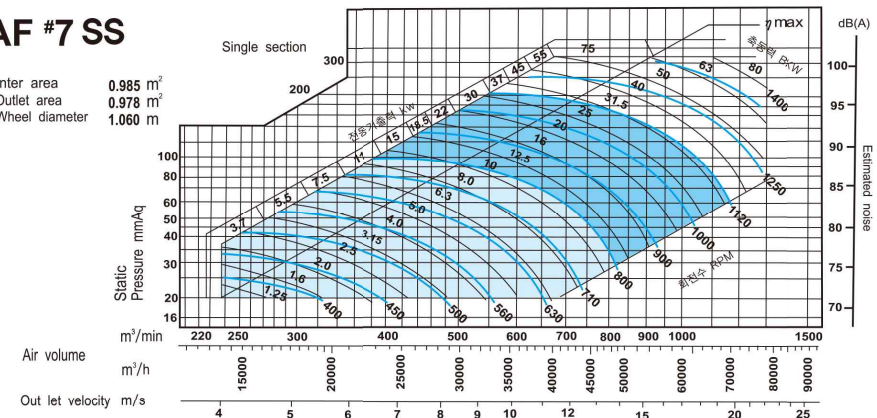
AF #5 SS

Inter area 0.502 m²
Outlet area 0.495 m²
Wheel diameter 0.750 m



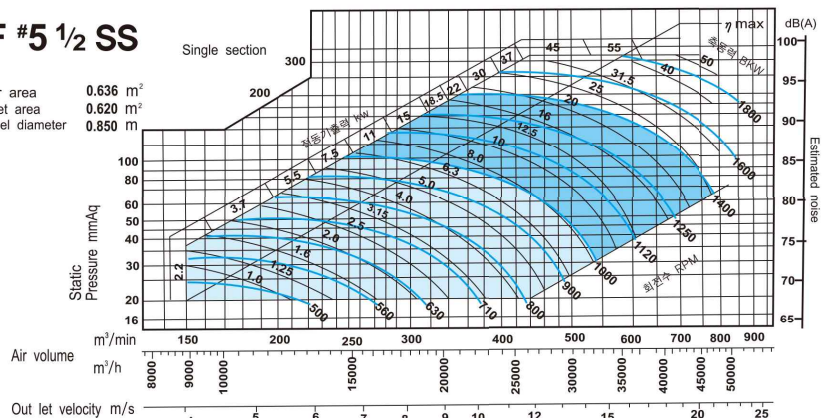
AF #7 SS

Inter area 0.985 m²
Outlet area 0.978 m²
Wheel diameter 1.060 m



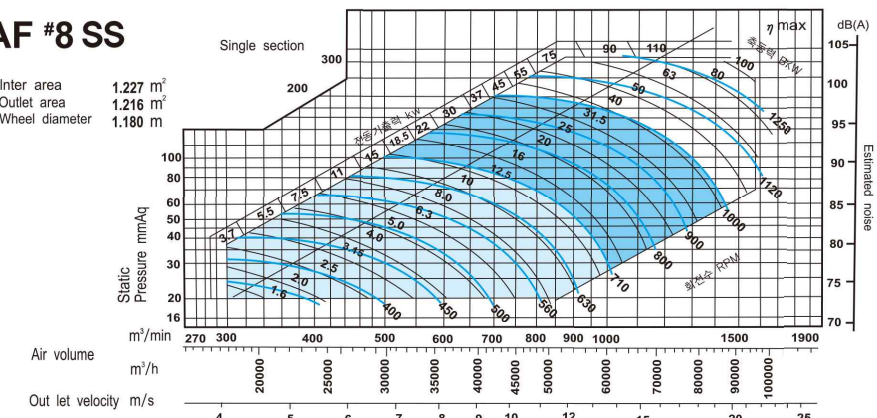
AF #5 1/2 SS

Inter area 0.636 m²
Outlet area 0.620 m²
Wheel diameter 0.850 m



AF #8 SS

Inter area 1.227 m²
Outlet area 1.216 m²
Wheel diameter 1.180 m

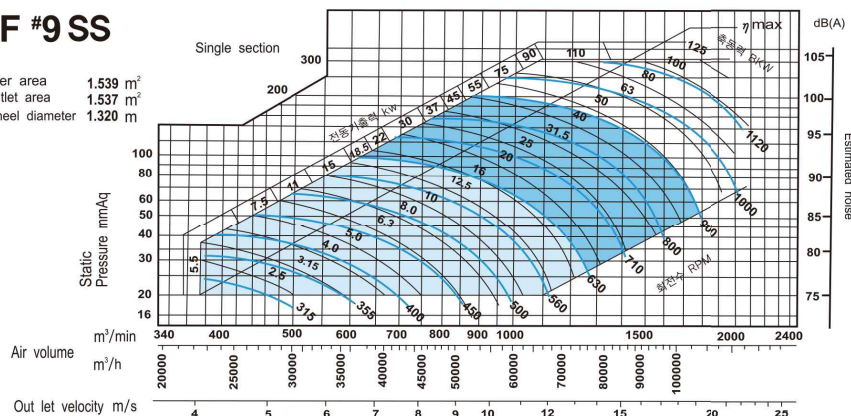




AIR FOIL FAN (SS)

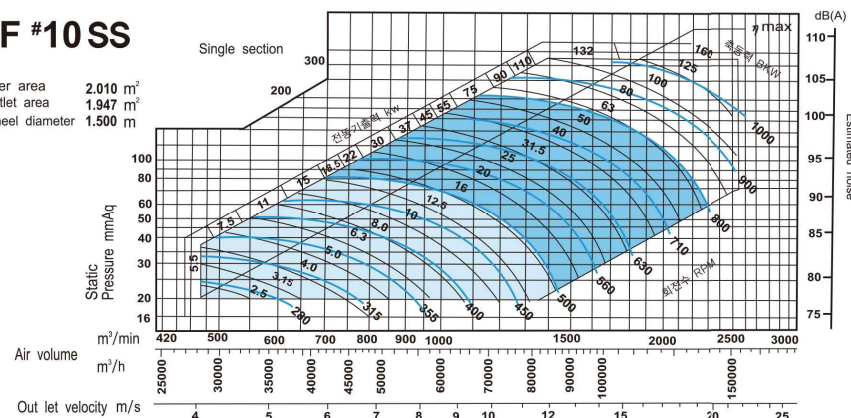
AF #9 SS

Inter area 1.539 m²
 Outlet area 1.537 m²
 Wheel diameter 1.320 m



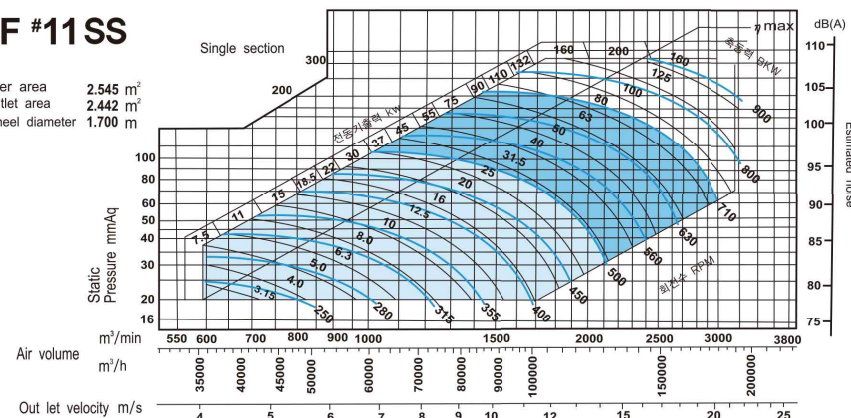
AF #10 SS

Inter area 2.010 m²
 Outlet area 1.947 m²
 Wheel diameter 1.500 m



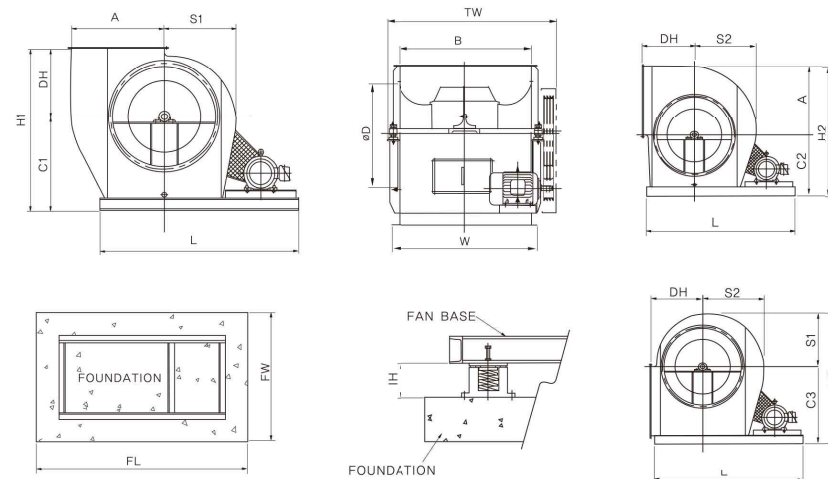
AF #11 SS

Inter area 2.545 m²
 Outlet area 2.442 m²
 Wheel diameter 1.700 m



AIR FOIL FAN (양흡입)

외형도



Specification

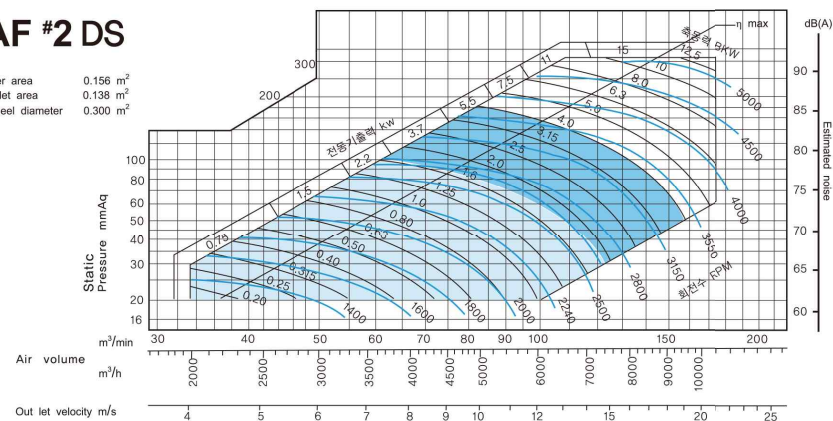
MODEL NO.	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5	#6	#7	#8	#9	#10	#11	#12	#13	
흡입구	D	320	400	480	560	640	720	800	880	960	1120	1280	1440	1600	1760	1930	2180
토출구	A	305	380	455	535	610	685	760	840	915	1065	1220	1370	1525	1675	1830	1980
	B	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600
FAN BASE	L	800	860	970	1060	1150	1300	1400	1550	1600	1900	2050	2300	2500	2800	3000	3300
	W	480	580	680	780	880	980	1100	1200	1300	1530	1730	1930	2150	2350	2550	2750
전체 높이	H1	570	690	800	950	1055	1185	1285	1395	1545	1765	2060	2280	2505	2700	2930	3170
	H2	620	740	885	1020	1155	1300	1410	1540	1695	1940	2210	2470	2765	3055	3305	3610
	H3	620	755	885	1020	1155	1300	1410	1540	1695	1940	2235	2495	2765	3055	3305	3610
센터 높이	C1	345	415	480	540	605	695	745	805	895	1025	1190	1320	1455	1550	1690	1820
	C2	315	360	430	485	545	615	650	700	780	875	990	1100	1240	1380	1475	1630
	C3	390	470	545	620	700	795	850	920	1020	1155	1335	1485	1640	1820	1975	2150
전체 폭	TW	610	710	850	940	1100	1200	1400	1480	1600	1900	2110	2470	2710	2810	3060	3270
	DH	240	275	340	410	450	490	540	590	650	740	870	960	1050	1150	1240	1350
케이싱	S1	230	285	340	400	455	505	560	620	675	785	900	1010	1125	1235	1330	1460
	S2	260	325	400	460	525	585	650	720	785	915	1050	1180	1300	1400	1540	1670
PAD(기초)	FL	1100	1160	1270	1360	1450	1600	1700	1850	1900	2200	2350	2600	2800	3100	3300	3600
	FW	780	880	980	1080	1180	1280	1400	1500	1600	1830	2030	2230	2450	2650	2850	3050
방진	IH	106	138	138	138	138	138	138	138	138	138	138	155	155	155	155	155



AIR FOIL FAN (DS)

AF #2 DS

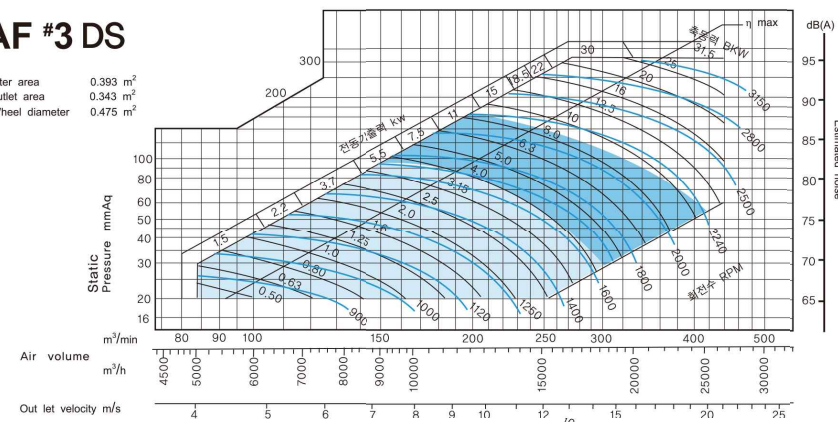
Inter area 0.156 m²
Outlet area 0.138 m²
Wheel diameter 0.300 m²



AIR FOIL FAN (DS)

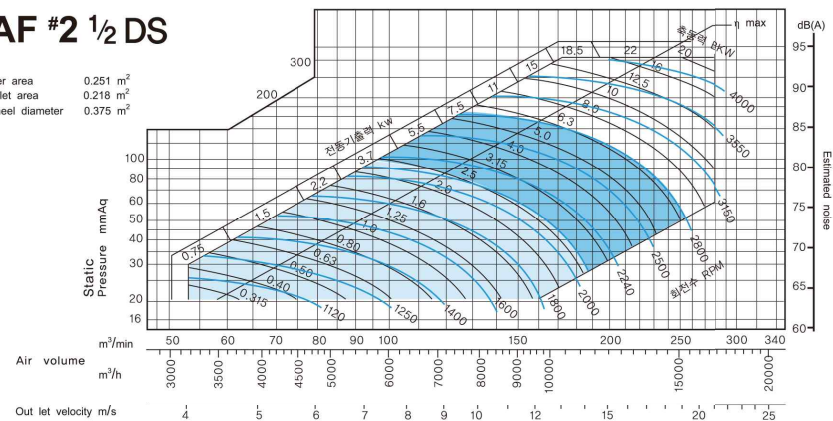
AF #3 DS

Inter area 0.393 m²
Outlet area 0.343 m²
Wheel diameter 0.475 m²



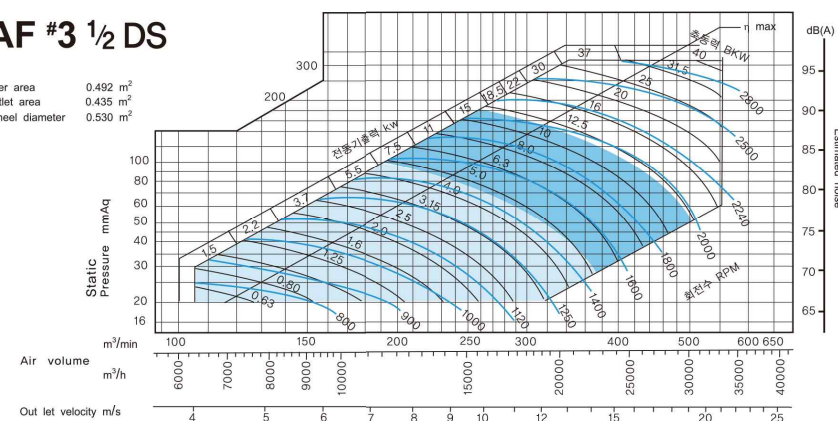
AF #2 1/2 DS

Inter area 0.251 m²
Outlet area 0.218 m²
Wheel diameter 0.375 m²



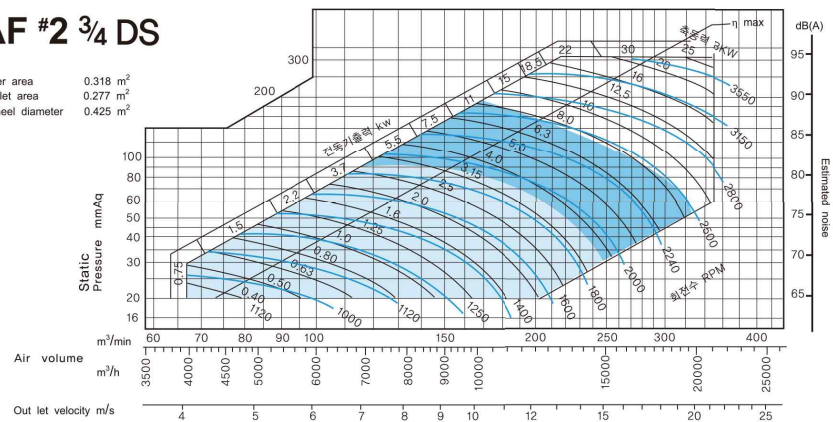
AF #3 1/2 DS

Inter area 0.492 m²
Outlet area 0.435 m²
Wheel diameter 0.530 m²



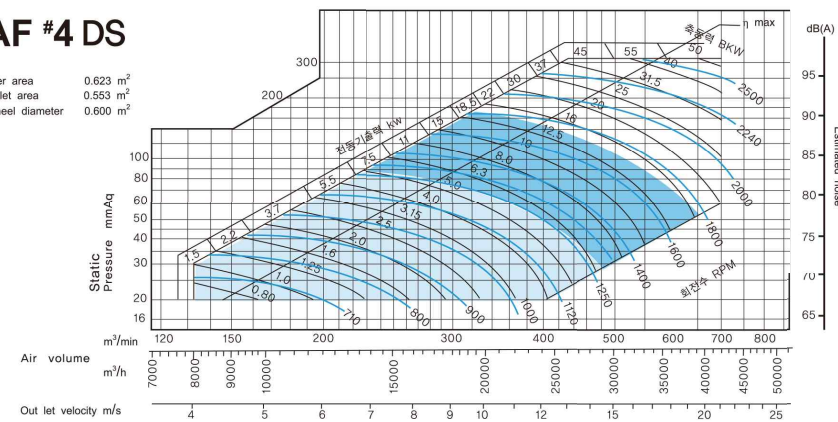
AF #2 3/4 DS

Inter area 0.318 m²
Outlet area 0.277 m²
Wheel diameter 0.425 m²



AF #4 DS

Inter area 0.623 m²
Outlet area 0.553 m²
Wheel diameter 0.600 m²

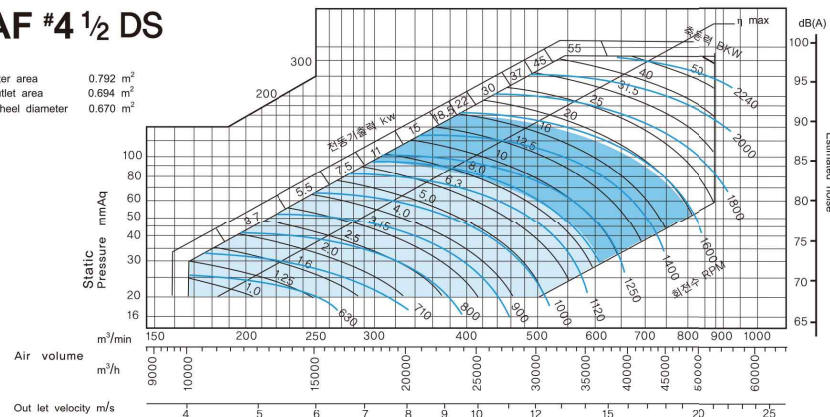




AIR FOIL FAN (DS)

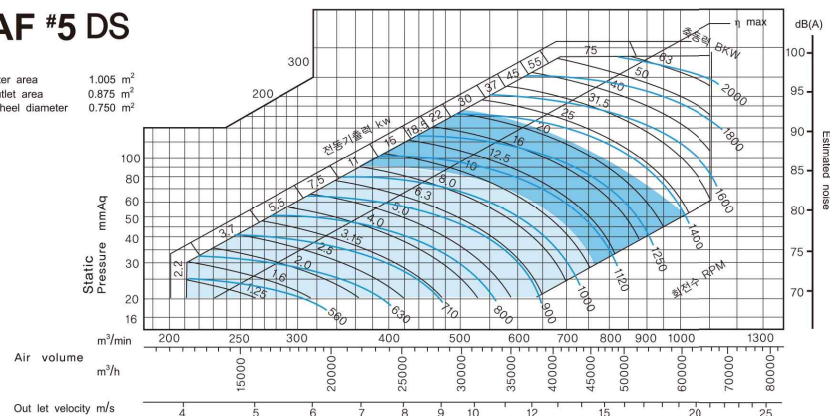
AF #4 1/2 DS

Inter area 0.792 m²
Outlet area 0.694 m²
Wheel diameter 0.670 m²



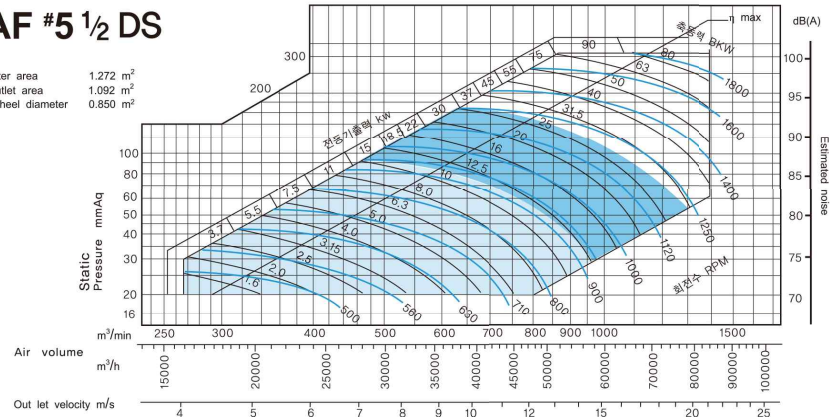
AF #5 DS

Inter area 1.005 m²
Outlet area 0.875 m²
Wheel diameter 0.750 m²



AF #5 1/2 DS

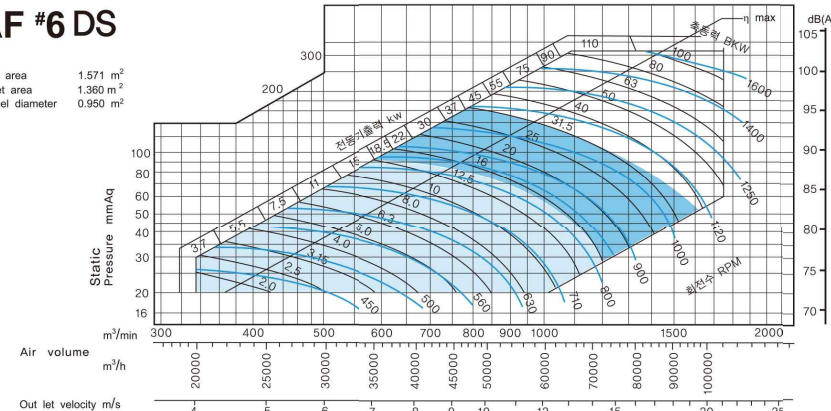
Inter area 1.272 m²
Outlet area 1.092 m²
Wheel diameter 0.850 m²



AIR FOIL FAN (DS)

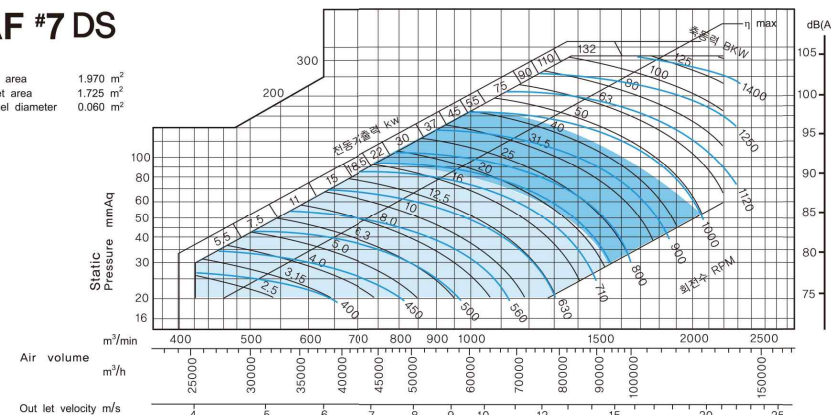
AF #6 DS

Inter area 1.571 m²
Outlet area 1.360 m²
Wheel diameter 0.950 m²



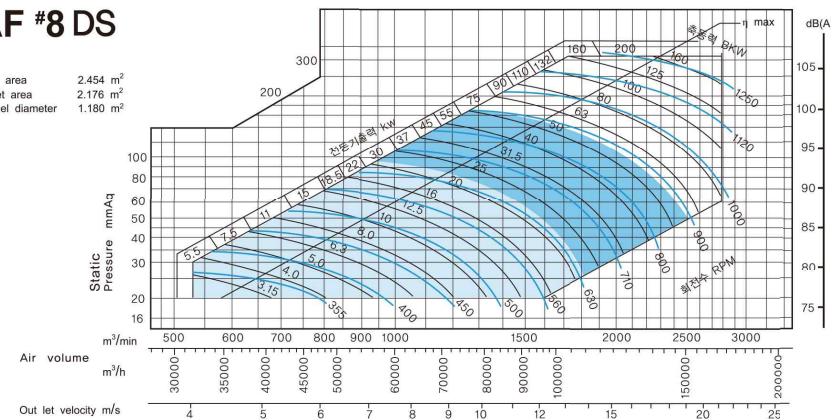
AF #7 DS

Inter area 1.970 m²
Outlet area 1.725 m²
Wheel diameter 0.060 m²



AF #8 DS

Inter area 2.454 m²
Outlet area 2.176 m²
Wheel diameter 1.180 m²

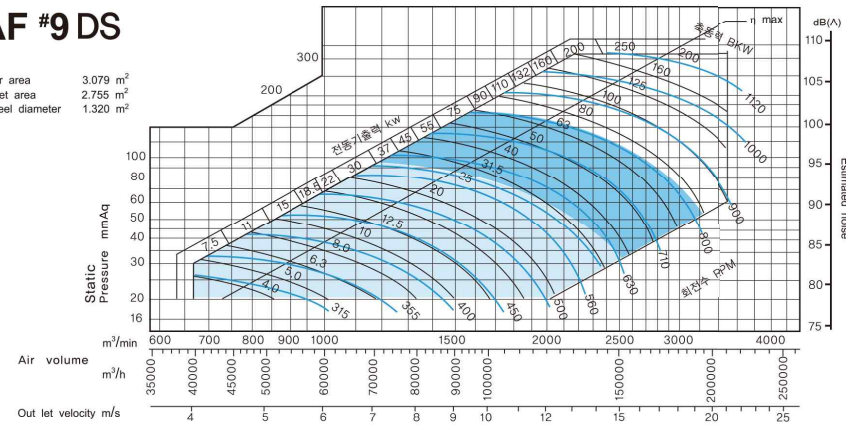




AIR FOIL FAN (DS)

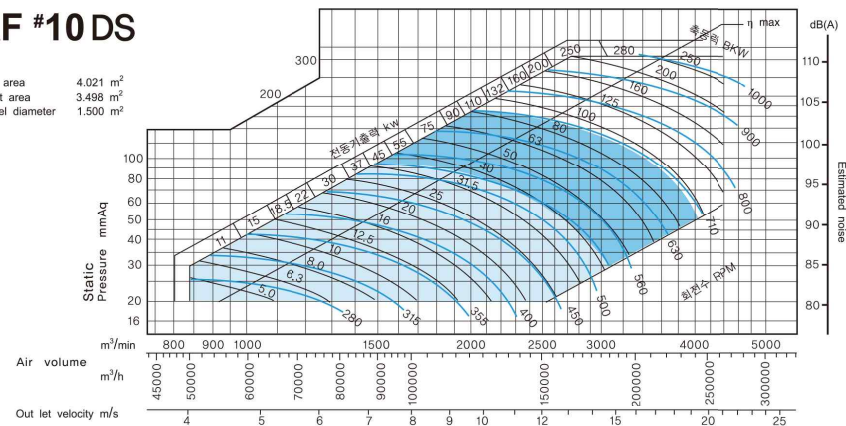
AF #9 DS

Inter area 3.079 m²
 Outlet area 2.755 m²
 Wheel diameter 1.320 m²



AF #10 DS

Inter area 4.021 m²
 Outlet area 3.498 m²
 Wheel diameter 1.500 m²



AF #11 DS

Inter area 5.089 m²
 Outlet area 4.366 m²
 Wheel diameter 1.700 m²

