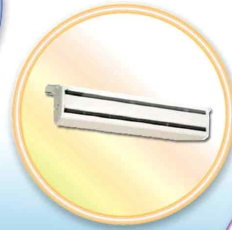


Catalog No 001 Rev.0
2020 November

FAN

Airfoil Fan
Single Suction(SS Type)



 시스템벤처(주)
Systemvent Co.,Ltd.

인 사 말

Systemvent

믿음과 신뢰를 추구하는 기업

고객 만족을 최우선으로 하는 시스템벤트가 되겠습니다.

당사는 'Total Solution the Housing and Parking lot Ventiation 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) 가족 올림



시스템벤트(주) 획득한 Single Suction(SS Type) Airfoil Fan의 AMCA SEAL에 대한 내용입니다.

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

Systemvent Co., Ltd certifies that the type "Single Suction(SS Type)" Airfoil Fans show here in 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.

익형송풍기

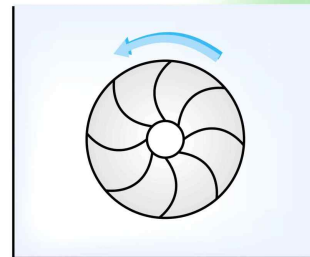
AIRFOIL FANS



특징

50~200mmAq의 비교적 높은 정압으로 설계된 것입니다.

- Blade의 형상에 항공기의 익형을 응용한 것으로서, 원심 송풍기중에서 가장 효율이 좋고, 소음이 낮습니다.
- 고속회전이 가능하고, Impeller의 직경도 작게 할 수 있으므로 전체적으로 소형이 되는 장점이 있습니다.
- 고효율이므로 Motor 용량이 적어 운전비가 경제적입니다.
- 케이싱 구조는 보통 송풍기와 동일하지만 흡입 Cone은 벨마우스 모양을 하고 있습니다.

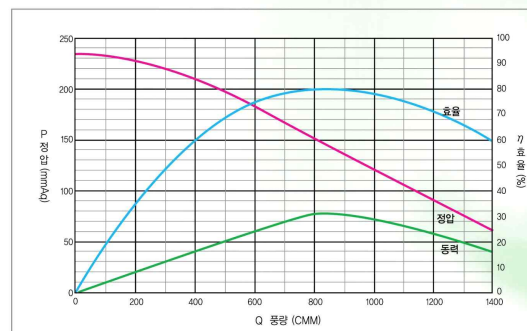


용도

각종 건축물 송·배풍용, 보일러 압입
공기조화장치, 건조장치 등 일반산업용으로 사용.

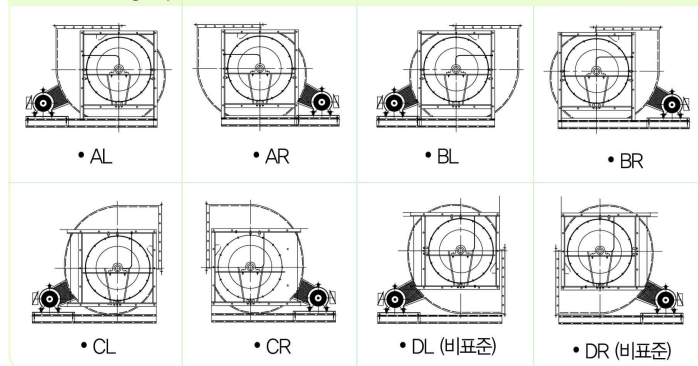
형식

- SS Type : 편흡입형
- DS Type : 양흡입형



송풍기 회전방향

Discharge positions viewed from suction side (폴리 반대방향)



- Type A : Upward • Type B : Upward
- Type C : Front • Type D : Front



AIRFOIL FAN



Systemvent

Quick Selection Table

- Backward Curved Blade
- Single Suction (SS Type)
- Belt - Driven



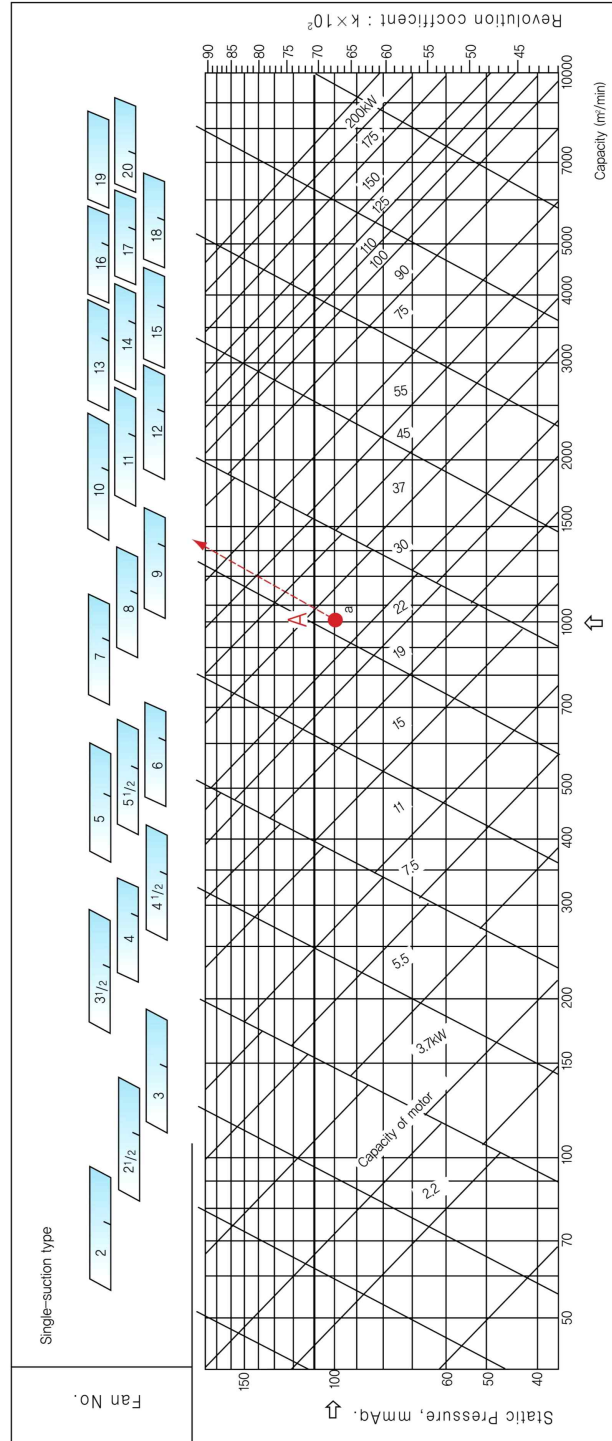
- 예
- 편흡입, 풍량 1,000 m³/min, 정압 100 mmAq 때
- 1) 표에서 풍량과 정압의 교점 A를 구해서 30 Kw를 얻는다
 - 2) 교점 a에서 우상사선에 평행선을 그어 #9를 구한다.
 - 3) 교점에서 위로 수평선을 그으면 회전계수 K값을 구한다.

$$4) \text{ Revolution} = \frac{K}{\text{No. of fan}} = \frac{6750}{9} = 750 \text{ rpm}$$

5) Airfoil Fan (SS Type)

Size : # 9

6) 용량 : 1,000 CMM × 100 mmAq × 30 Kw



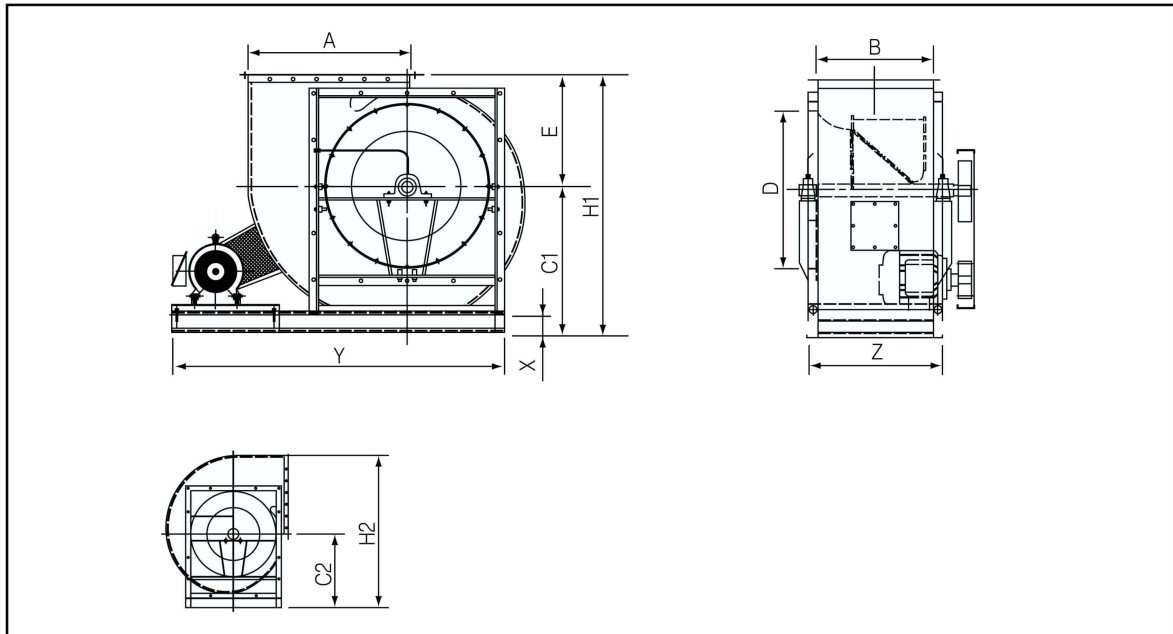


AIRFOIL FAN



Systemvent

- *Backward Curved Fan (Airfoil Fan) / 편흡입 후곡형 송풍기*
- *Single Suction (SS Type)*
- *Belt - Driven*



호칭경	토출구		중심높이		흡입구	전체높이		Base		
	A	B	C1	C2	D	H1	H2	X	Y	Z
#2	305	240	265	235	320	505	540	40	850	300
#2.5	380	300	350	300	400	640	680	40	950	380
#3	455	360	420	360	480	760	815	40	1,050	440
#3.5	535	420	495	425	560	905	960	50	1,100	520
#4	610	480	565	490	640	1,020	1,100	75	1,200	560
#4.5	685	540	635	545	720	1,125	1,230	75	1,300	620
#5	760	600	690	595	800	1,230	1,355	75	1,500	680
#5.5	840	660	760	650	880	1,350	1,490	75	1,600	740
#6	915	720	820	705	960	1,470	1,615	75	1,700	800
#7	1,065	840	855	815	1,120	1,595	1,880	100	2,000	940
#8	1,220	960	1,090	930	1,280	1,960	2,150	100	2,200	1,060
#9	1,370	1,080	1,210	1,020	1,440	2,170	2,390	125	2,300	1,210
#10	1,525	1,200	1,340	1,120	1,600	2,390	2,655	125	2,500	1,330

※ 상기 치수 및 성능 DATA는 성능 및 품질 개선을 위해 예고없이 변경할 수 있습니다.

※ The dimensions and performance data can change without notice for performance and quality improvement.

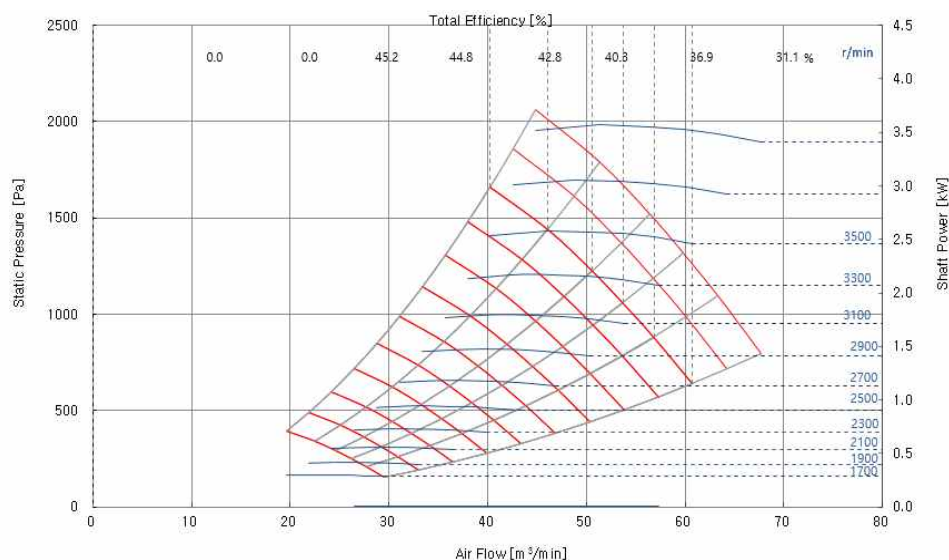


AIRFOIL FAN



Systemvent

2 SS



Wheel DIA : 336 mm

Outlet Area : 0.073 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	1700	178	151	30	0.3	31.1	26.4	82	1	1900	223	189	33	0.4	31.1	26.4	85
2		232	208	28	0.3	36.9	33.1	82	2		289	260	31	0.4	36.9	33.1	84
3		271	250	26	0.3	40.3	37.1	81	3		339	313	29	0.4	40.3	37.1	84
4		308	290	25	0.3	42.8	40.2	81	4		385	362	27	0.4	42.8	40.2	84
5		356	340	22	0.3	44.8	42.9	82	5		445	425	25	0.4	44.8	42.9	84
6		404	392	20	0.3	45.2	43.8	82	6		505	490	22	0.4	45.2	43.8	84
1	2100	272	231	36	0.5	31.1	26.4	87	1	2300	327	277	40	0.7	31.1	26.4	89
2		354	318	34	0.6	36.9	33.1	87	2		424	381	37	0.7	36.9	33.1	89
3		414	382	32	0.6	40.3	37.1	87	3		497	458	35	0.7	40.3	37.1	89
4		470	442	30	0.6	42.8	40.2	86	4		564	530	33	0.7	42.8	40.2	89
5		543	520	28	0.6	44.8	42.9	87	5		652	623	30	0.7	44.8	42.9	89
6		617	599	24	0.6	45.2	43.8	87	6		740	718	26	0.7	45.2	43.8	89
1	2500	386	327	43	0.9	31.1	26.4	91	1	2700	450	382	47	1.1	31.1	26.4	93
2		501	450	41	0.9	36.9	33.1	91	2		585	525	44	1.2	36.9	33.1	93
3		587	541	38	0.9	40.3	37.1	91	3		684	631	41	1.2	40.3	37.1	93
4		667	626	36	0.9	42.8	40.2	91	4		778	731	39	1.2	42.8	40.2	93
5		770	736	33	1	44.8	42.9	91	5		898	859	36	1.2	44.8	42.9	93
6		874	848	29	0.9	45.2	43.8	91	6		1019	990	31	1.2	45.2	43.8	93
1	2900	519	440	50	1.4	31.1	26.4	95	1	3100	593	503	54	1.7	31.1	26.4	97
2		674	606	47	1.4	36.9	33.1	95	2		771	692	50	1.8	36.9	33.1	96
3		790	728	45	1.5	40.3	37.1	94	3		902	832	48	1.8	40.3	37.1	96
4		897	843	42	1.5	42.8	40.2	94	4		1025	963	45	1.8	42.8	40.2	96
5		1036	991	38	1.5	44.8	42.9	94	5		1184	1132	41	1.8	44.8	42.9	96
6		1176	1142	33	1.5	45.2	43.8	95	6		1344	1305	36	1.8	45.2	43.8	96
1	3300	672	570	57	2.1	31.1	26.4	98	1	3500	756	642	61	2.5	31.1	26.4	100
2		873	784	54	2.1	36.9	33.1	98	2		982	882	57	2.5	36.9	33.1	99
3		1022	943	51	2.2	40.3	37.1	98	3		1150	1061	54	2.6	40.3	37.1	99
4		1162	1091	48	2.2	42.8	40.2	98	4		1307	1228	51	2.6	42.8	40.2	99
5		1341	1283	43	2.2	44.8	42.9	98	5		1509	1443	46	2.6	44.8	42.9	99
6		1523	1478	38	2.1	45.2	43.8	98	6		1713	1663	40	2.5	45.2	43.8	99
1	3700	845	717	64	2.9	31.1	26.4	101	1	3900	939	797	68	3.4	31.1	26.4	102
2		1098	986	60	3	36.9	33.1	101	2		1220	1095	63	3.5	36.9	33.1	102
3		1285	1185	57	3	40.3	37.1	100	3		1428	1317	60	3.5	40.3	37.1	102
4		1460	1372	53	3	42.8	40.2	100	4		1623	1524	56	3.6	42.8	40.2	102
5		1686	1613	49	3.1	44.8	42.9	101	5		1874	1792	51	3.6	44.8	42.9	102
6		1914	1858	43	3	45.2	43.8	101	6		2127	2065	45	3.5	45.2	43.8	102

- Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.
- Performance certified is for installation type B - Free inlet, Ducted outlet.
Rating Method "A" (Constant Speed, Transmission Loss Not Included)
- Power rating (KW) does not include transmission losses.
- Performance ratings do not include the effects of appurtenances (accessories)
- The A-weighted sound ratings shown have been calculated per AMCA standard 301.
- Values shown are for inlet LwA sound power levels for installation Type B : free inlet, ducted outlet.
Ratings to do include the effect of duct end correctionc.

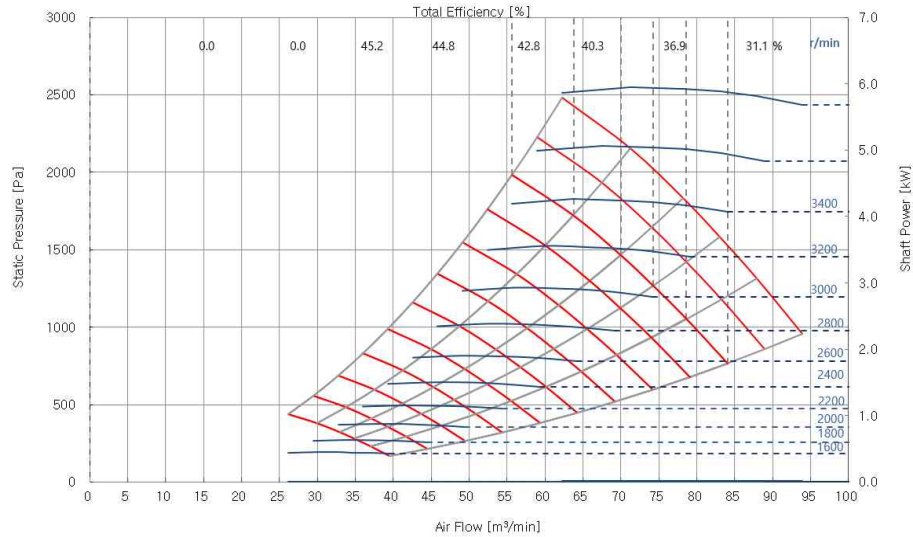


AIRFOIL FAN



Systemvent

2 1/2 SS



Wheel DIA : 378 mm

Outlet Area : 0.114 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	1600	200	170	39.55	0.43	31.1	26.4	84	1	1800	253	215	44.49	0.604	31.1	26.4	87
2		260	233	37.01	0.44	36.9	33.1	84	2		329	295	41.63	0.618	36.9	33.1	87
3		304	281	34.96	0.44	40.3	37.1	83	3		385	355	39.33	0.626	40.3	37.1	86
4		346	325	32.94	0.45	42.8	40.2	83	4		437	411	37.06	0.63	42.8	40.2	86
5		399	382	30	0.45	44.8	42.9	84	5		505	483	33.75	0.633	44.8	42.9	87
6		453	440	26.2	0.44	45.2	43.8	84	6		573	557	29.48	0.623	45.2	43.8	87
1	2000	313	265	49.43	0.83	31.1	26.4	89	1	2200	378	321	54.38	1.102	31.1	26.4	92
2		406	365	46.26	0.85	36.9	33.1	89	2		491	441	50.88	1.129	36.9	33.1	91
3		475	438	43.7	0.86	40.3	37.1	89	3		575	530	48.07	1.143	40.3	37.1	91
4		540	507	41.17	0.87	42.8	40.2	89	4		653	614	45.29	1.15	42.8	40.2	91
5		624	596	37.5	0.87	44.8	42.9	89	5		755	722	41.25	1.155	44.8	42.9	91
6		708	687	32.75	0.86	45.2	43.8	89	6		857	832	36.03	1.137	45.2	43.8	91
1	2400	450	382	59.32	1.44	31.1	26.4	94	1	2600	528	448	64.26	1.82	31.1	26.4	96
2		585	525	55.51	1.47	36.9	33.1	93	2		686	616	60.13	1.864	36.9	33.1	95
3		684	631	52.44	1.49	40.3	37.1	93	3		803	741	56.81	1.887	40.3	37.1	95
4		778	731	49.41	1.5	42.8	40.2	93	4		913	857	53.52	1.898	42.8	40.2	95
5		898	859	45	1.5	44.8	42.9	93	5		1054	1008	48.75	1.907	44.8	42.9	95
6		1019	990	39.3	1.48	45.2	43.8	94	6		1196	1161	42.58	1.876	45.2	43.8	95
1	2800	613	520	69.21	2.28	31.1	26.4	98	1	3000	703	597	74.15	2.795	31.1	26.4	99
2		796	715	64.76	2.33	36.9	33.1	97	2		913	820	69.39	2.863	36.9	33.1	99
3		932	859	61.18	2.36	40.3	37.1	97	3		1069	986	65.55	2.899	40.3	37.1	99
4		1059	994	57.64	2.38	42.8	40.2	97	4		1215	1141	61.76	2.916	42.8	40.2	99
5		1222	1169	52.5	2.39	44.8	42.9	97	5		1403	1342	56.25	2.929	44.8	42.9	99
6		1388	1347	45.86	2.35	45.2	43.8	97	6		1593	1546	49.13	2.882	45.2	43.8	99
1	3200	800	679	79.09	3.4	31.1	26.4	101	1	3400	903	766	84.04	4.069	31.1	26.4	102
2		1039	933	74.01	3.48	36.9	33.1	101	2		1173	1054	78.64	4.168	36.9	33.1	102
3		1217	1122	69.92	3.52	40.3	37.1	100	3		1374	1267	74.29	4.22	40.3	37.1	102
4		1383	1299	65.88	3.54	42.8	40.2	100	4		1561	1466	69.99	4.245	42.8	40.2	102
5		1596	1527	60	3.56	44.8	42.9	101	5		1802	1724	63.75	4.264	44.8	42.9	102
6		1812	1759	52.41	3.5	45.2	43.8	101	6		2046	1986	55.68	4.196	45.2	43.8	102
1	3600	1013	859	88.98	4.84	31.1	26.4	104	1	3800	1128	957	93.92	5.681	31.1	26.4	105
2		1315	1181	83.26	4.95	36.9	33.1	104	2		1466	1316	87.89	5.819	36.9	33.1	105
3		1540	1420	78.66	5.01	40.3	37.1	103	3		1716	1582	83.03	5.891	40.3	37.1	105
4		1750	1644	74.11	5.04	42.8	40.2	103	4		1950	1831	78.23	5.926	42.8	40.2	105
5		2020	1932	67.5	5.07	44.8	42.9	104	5		2251	2153	71.25	5.953	44.8	42.9	105
6		2294	2227	58.96	4.99	45.2	43.8	104	6		2556	2481	62.23	5.858	45.2	43.8	105

- Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.
- Performance certified is for installation type B – Free inlet, Ducted outlet.
Rating Method "A" (Constant Speed, Transmission Loss Not Included)
- Power rating (KW) does not include transmission losses.
- Performance ratings do not include the effects of appurtenances (accessories)
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- Values shown are for inlet LwA sound power levels for installation Type B : free inlet, ducted outlet.
Ratings to do include the effect of duct end correction.

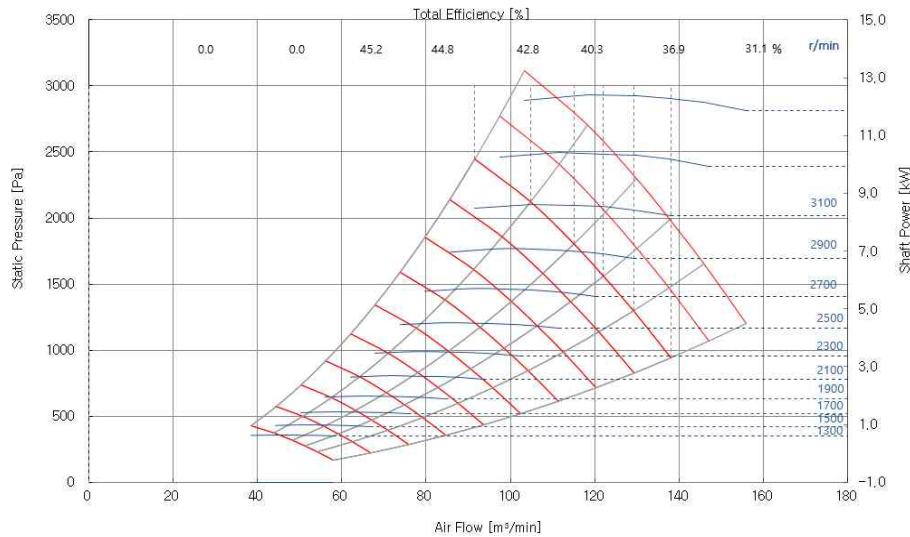


AIRFOIL FAN



Systemvent

3 SS



Wheel DIA : 460 mm

Outlet Area : 0.1638 m²

Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	Lwl [dB(A)]	Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	Lwl [dB(A)]
1	1300	196	166	58	0.61	31.1	26.4	85	1	1500	260	221	67	0.933	31.1	26.4	88
2	1300	254	228	54	0.63	36.9	33.1	84	2	1500	338	304	63	0.955	36.9	33.1	88
3	1300	297	274	51	0.63	40.3	37.1	84	3	1500	396	365	59	0.967	40.3	37.1	88
4	1300	338	317	48	0.64	42.8	40.2	84	4	1500	450	423	56	0.973	42.8	40.2	88
5	1300	390	373	44	0.64	44.8	42.9	84	5	1500	519	497	51	0.977	44.8	42.9	88
6	1300	443	430	38	0.63	45.2	43.8	85	6	1500	590	572	44	0.962	45.2	43.8	88
1	1700	334	284	76	1.36	31.1	26.4	91	1	1900	418	354	85	1.895	31.1	26.4	94
2	1700	434	390	71	1.4	36.9	33.1	91	2	1900	543	487	79	1.941	36.9	33.1	94
3	1700	509	469	67	1.41	40.3	37.1	91	3	1900	635	586	75	1.965	40.3	37.1	94
4	1700	578	543	63	1.42	42.8	40.2	91	4	1900	722	678	70	1.977	42.8	40.2	94
5	1700	667	638	57	1.43	44.8	42.9	91	5	1900	833	797	64	1.986	44.8	42.9	94
6	1700	757	735	50	1.4	45.2	43.8	91	6	1900	946	918	56	1.954	45.2	43.8	94
1	2100	510	433	94	2.56	31.1	26.4	97	1	2300	612	519	102	3.362	31.1	26.4	99
2	2100	663	595	88	2.63	36.9	33.1	96	2	2300	795	714	96	3.443	36.9	33.1	98
3	2100	776	716	83	2.66	40.3	37.1	96	3	2300	931	859	91	3.486	40.3	37.1	98
4	2100	882	828	78	2.67	42.8	40.2	96	4	2300	1058	994	85	3.507	42.8	40.2	98
5	2100	1018	974	71	2.69	44.8	42.9	96	5	2300	1221	1168	78	3.523	44.8	42.9	98
6	2100	1156	1122	62	2.64	45.2	43.8	96	6	2300	1386	1346	68	3.467	45.2	43.8	98
1	2500	723	614	111	4.32	31.1	26.4	101	1	2700	843	716	120	5.438	31.1	26.4	103
2	2500	939	844	104	4.43	36.9	33.1	100	2	2700	1096	984	113	5.571	36.9	33.1	102
3	2500	1100	1014	98	4.48	40.3	37.1	100	3	2700	1283	1183	106	5.64	40.3	37.1	102
4	2500	1250	1174	93	4.51	42.8	40.2	100	4	2700	1458	1369	100	5.674	42.8	40.2	102
5	2500	1443	1380	84	4.53	44.8	42.9	100	5	2700	1683	1610	91	5.699	44.8	42.9	102
6	2500	1638	1590	74	4.46	45.2	43.8	100	6	2700	1911	1855	80	5.608	45.2	43.8	102
1	2900	973	826	129	6.74	31.1	26.4	104	1	3100	1112	943	138	8.231	31.1	26.4	106
2	2900	1264	1135	121	6.91	36.9	33.1	104	2	3100	1444	1297	129	8.431	36.9	33.1	106
3	2900	1480	1365	114	6.99	40.3	37.1	104	3	3100	1691	1560	122	8.536	40.3	37.1	106
4	2900	1682	1580	108	7.04	42.8	40.2	104	4	3100	1922	1805	115	8.587	42.8	40.2	106
5	2900	1942	1857	98	7.07	44.8	42.9	104	5	3100	2219	2122	105	8.625	44.8	42.9	106
6	2900	2204	2140	86	6.95	45.2	43.8	104	6	3100	2519	2445	91	8.488	45.2	43.8	106
1	3300	1260	1069	147	9.93	31.1	26.4	108	1	3500	1417	1202	156	11.846	31.1	26.4	109
2	3300	1637	1470	138	10.18	36.9	33.1	107	2	3500	1841	1653	146	12.134	36.9	33.1	109
3	3300	1916	1767	130	10.3	40.3	37.1	107	3	3500	2156	1988	138	12.285	40.3	37.1	109
4	3300	2177	2045	122	10.36	42.8	40.2	107	4	3500	2449	2301	130	12.359	42.8	40.2	109
5	3300	2514	2405	112	10.41	44.8	42.9	107	5	3500	2828	2705	118	12.413	44.8	42.9	109
6	3300	2854	2771	97	10.24	45.2	43.8	107	6	3500	3211	3117	103	12.216	45.2	43.8	109

– Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.

– Performance certified is for installation type B – Free inlet, Ducted outlet.

Rating Method "A" (Constant Speed, Transmission Loss Not Included)

– Power rating (KW) does not include transmission losses.

– Performance ratings do not include the effects of appurtenances (accessories)

– The A-weighted sound ratings shown have been calculated per AMCA standard 301.

– Values shown are for inlet LwA sound power levels for installation Type B : free inlet, ducted outlet.

Ratings to do include the effect of duct end corrections.

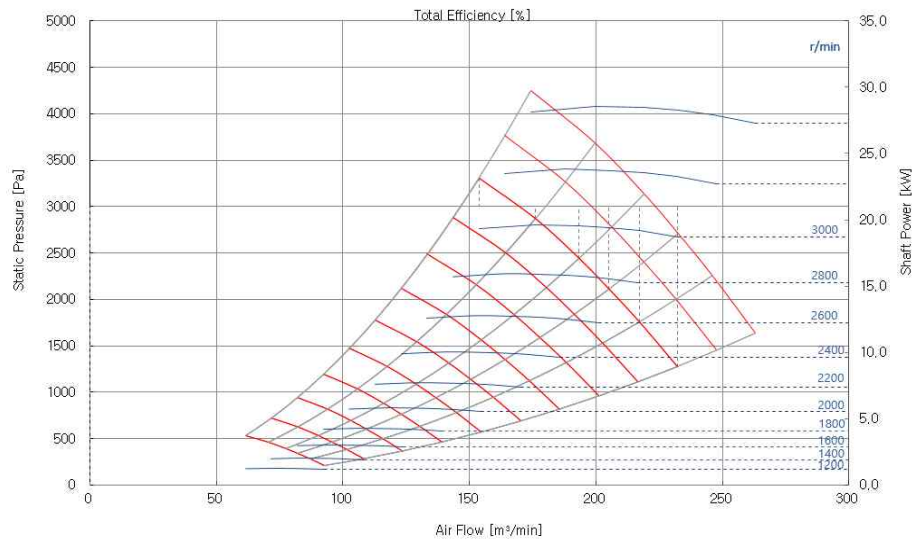


AIRFOIL FAN



Systemvent

3 1/2 SS



Wheel DIA : 553 mm

Outlet Area : 0.2247 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwi	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwi
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	1200	241	204	93	1.2	31.1	26.4	88	1	1400	328	278	108	1.904	31.1	26.4	92
2		313	281	87	1.23	36.9	33.1	88	2		426	382	101	1.95	36.9	33.1	92
3		366	338	82	1.25	40.3	37.1	88	3		498	460	96	1.974	40.3	37.1	92
4		416	391	77	1.26	42.8	40.2	88	4		566	532	90	1.986	42.8	40.2	92
5		480	460	70	1.26	44.8	42.9	88	5		654	625	82	1.995	44.8	42.9	92
6		545	529	62	1.24	45.2	43.8	88	6		742	721	72	1.963	45.2	43.8	92
1	1600	428	363	124	2.85	31.1	26.4	96	1	1800	542	460	139	4.046	31.1	26.4	99
2		556	499	116	2.92	36.9	33.1	95	2		704	632	130	4.144	36.9	33.1	98
3		651	600	109	2.95	40.3	37.1	95	3		824	760	123	4.196	40.3	37.1	98
4		740	695	103	2.97	42.8	40.2	95	4		936	879	116	4.221	42.8	40.2	98
5		854	817	94	2.98	44.8	42.9	95	5		1081	1034	106	4.24	44.8	42.9	98
6		970	941	82	2.94	45.2	43.8	95	6		1227	1191	92	4.172	45.2	43.8	98
1	2000	669	567	155	5.56	31.1	26.4	101	1	2200	809	687	170	7.387	31.1	26.4	103
2		869	780	145	5.69	36.9	33.1	101	2		1051	944	159	7.567	36.9	33.1	103
3		1017	938	137	5.76	40.3	37.1	101	3		1231	1135	151	7.661	40.3	37.1	103
4		1156	1086	129	5.8	42.8	40.2	100	4		1399	1314	142	7.707	42.8	40.2	103
5		1335	1277	117	5.82	44.8	42.9	101	5		1615	1545	129	7.741	44.8	42.9	103
6		1515	1471	103	5.73	45.2	43.8	101	6		1833	1780	113	7.618	45.2	43.8	103
1	2400	963	817	186	9.6	31.1	26.4	105	1	2600	1130	959	201	12.194	31.1	26.4	107
2		1251	1124	174	9.83	36.9	33.1	105	2		1468	1319	188	12.49	36.9	33.1	107
3		1465	1351	164	9.95	40.3	37.1	105	3		1719	1586	178	12.645	40.3	37.1	107
4		1665	1563	155	10.01	42.8	40.2	105	4		1953	1835	168	12.721	42.8	40.2	107
5		1922	1838	141	10.05	44.8	42.9	105	5		2256	2157	153	12.777	44.8	42.9	107
6		2182	2118	123	9.9	45.2	43.8	105	6		2561	2486	133	12.574	45.2	43.8	107
1	2800	1311	1112	217	15.23	31.1	26.4	109	1	3000	1505	1277	232	18.732	31.1	26.4	111
2		1703	1529	203	15.61	36.9	33.1	109	2		1955	1755	217	19.187	36.9	33.1	110
3		1994	1839	192	15.8	40.3	37.1	109	3		2289	2111	205	19.425	40.3	37.1	110
4		2266	2128	180	15.89	42.8	40.2	109	4		2601	2443	193	19.542	42.8	40.2	110
5		2616	2502	164	15.96	44.8	42.9	109	5		3003	2872	176	19.628	44.8	42.9	110
6		2970	2883	144	15.71	45.2	43.8	109	6		3409	3309	154	19.316	45.2	43.8	111
1	3200	1712	1453	248	22.74	31.1	26.4	113	1	3400	1933	1640	263	27.268	31.1	26.4	114
2		2224	1997	232	23.29	36.9	33.1	112	2		2511	2255	246	27.931	36.9	33.1	114
3		2604	2402	219	23.58	40.3	37.1	112	3		2940	2711	233	28.277	40.3	37.1	114
4		2959	2780	206	23.72	42.8	40.2	112	4		3341	3138	219	28.447	42.8	40.2	113
5		3417	3268	188	23.83	44.8	42.9	112	5		3857	3689	200	28.573	44.8	42.9	114
6		3879	3765	164	23.45	45.2	43.8	112	6		4379	4251	174	28.119	45.2	43.8	114

– Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.

– Performance certified is for installation type B – Free inlet, Ducted outlet.

Rating Method "A" (Constant Speed, Transmission Loss Not Included)

– Power rating (KW) does not include transmission losses.

– Performance ratings do not include the effects of appurtenances (accessories)

– The A-weighted sound ratings shown have been calculated per AMCA standard 301.

– Values shown are for inlet LwA sound power levels for installation Type B : free inlet, ducted outlet.

Ratings to do include the effect of duct end correction.

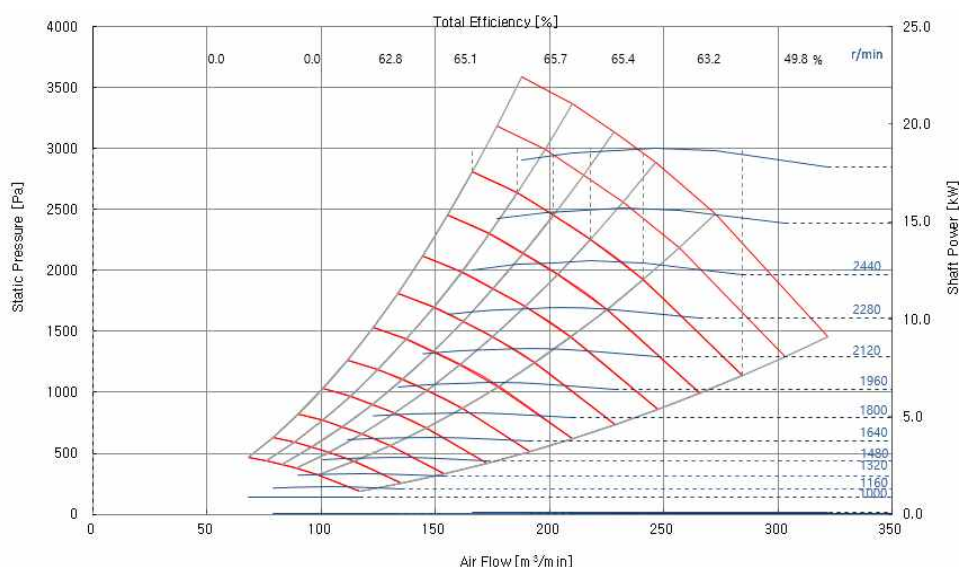


AIRFOIL FAN



Systemvent

4 SS



Wheel DIA : 600 mm

Outlet Area : 0.293 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	1000	218	191	117	0.9	49.8	43.8	84	1	1160	293	257	135	1.3	49.8	43.8	87
2		342	323	99	0.9	63.2	59.8	83	2		460	435	114	1.4	63.2	59.8	86
3		394	379	89	0.9	65.4	62.9	82	3		530	510	104	1.4	65.4	62.9	86
4		425	412	83	0.9	65.7	63.6	82	4		572	554	96	1.4	65.7	63.6	86
5		454	442	76	0.9	65.1	63.5	82	5		610	595	88	1.4	65.1	63.5	86
6		481	472	68	0.9	62.8	61.7	82	6		647	635	79	1.3	62.8	61.7	85
1	1320	379	333	154	2	49.8	43.8	91	1	1480	476	419	173	2.7	49.8	43.8	93
2		596	563	130	2	63.2	59.8	89	2		749	708	146	2.9	63.2	59.8	92
3		687	660	118	2.1	65.4	62.9	89	3		863	830	132	2.9	65.4	62.9	92
4		740	717	109	2.1	65.7	63.6	89	4		931	902	122	2.9	65.7	63.6	92
5		790	771	101	2	65.1	63.5	89	5		994	969	113	2.9	65.1	63.5	92
6		837	822	90	2	62.8	61.7	89	6		1053	1033	101	2.8	62.8	61.7	91
1	1640	585	514	191	3.7	49.8	43.8	96	1	1800	705	619	210	4.9	49.8	43.8	98
2		920	869	162	3.9	63.2	59.8	95	2		1108	1047	178	5.2	63.2	59.8	97
3		1060	1019	146	3.9	65.4	62.9	94	3		1277	1227	161	5.2	65.4	62.9	97
4		1143	1107	136	3.9	65.7	63.6	94	4		1377	1334	149	5.2	65.7	63.6	97
5		1220	1190	125	3.9	65.1	63.5	94	5		1470	1434	137	5.1	65.1	63.5	97
6		1293	1269	112	3.8	62.8	61.7	94	6		1557	1528	123	5	62.8	61.7	96
1	1960	836	734	229	6.4	49.8	43.8	100	1	2120	978	859	247	8.1	49.8	43.8	103
2		1313	1241	193	6.7	63.2	59.8	99	2		1537	1452	209	8.4	63.2	59.8	102
3		1514	1455	175	6.7	65.4	62.9	99	3		1771	1702	189	8.5	65.4	62.9	101
4		1632	1582	162	6.7	65.7	63.6	99	4		1909	1850	175	8.5	65.7	63.6	101
5		1743	1700	149	6.6	65.1	63.5	99	5		2039	1989	161	8.4	65.1	63.5	101
6		1846	1812	133	6.5	62.8	61.7	99	6		2160	2120	144	8.2	62.8	61.7	101
1	2280	1131	994	266	10.1	49.8	43.8	105	1	2440	1295	1138	284	12.3	49.8	43.8	106
2		1777	1680	225	10.5	63.2	59.8	103	2		2035	1924	241	12.9	63.2	59.8	105
3		2048	1969	203	10.6	65.4	62.9	103	3		2346	2255	218	13	65.4	62.9	105
4		2209	2140	188	10.5	65.7	63.6	103	4		2529	2451	202	12.9	65.7	63.6	105
5		2358	2300	174	10.5	65.1	63.5	103	5		2701	2634	186	12.8	65.1	63.5	105
6		2498	2452	155	10.2	62.8	61.7	103	6		2861	2808	166	12.6	62.8	61.7	105
1	2600	1470	1292	303	14.9	49.8	43.8	108	1	2760	1657	1456	322	17.8	49.8	43.8	110
2		2311	2184	257	15.6	63.2	59.8	107	2		2604	2461	272	18.6	63.2	59.8	109
3		2664	2560	232	15.7	65.4	62.9	107	3		3002	2885	246	18.8	65.4	62.9	108
4		2872	2783	215	15.6	65.7	63.6	107	4		3236	3136	228	18.7	65.7	63.6	108
5		3066	2991	198	15.5	65.1	63.5	107	5		3455	3370	210	18.5	65.1	63.5	108
6		3249	3189	177	15.2	62.8	61.7	106	6		3661	3593	188	18.2	62.8	61.7	108

- Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.
- Performance certified is for installation type B – Free inlet, Ducted outlet.
Rating Method "A" (Constant Speed, Transmission Loss Not Included)
- Power rating (KW) does not include transmission losses.
- Performance ratings do not include the effects of appurtenances (accessories)
- The A-weighted sound ratings shown have been calculated per AMCA standard 301.
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Ratings to do include the effect of duct end correctionc.

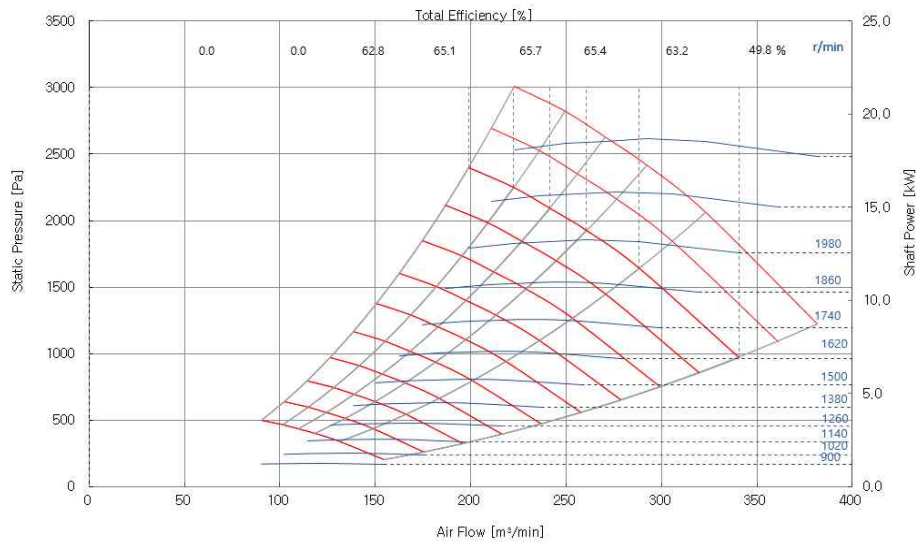


AIRFOIL FAN



Systemvent

4 1/2 SS



Wheel DIA : 683 mm

Outlet Area : 0.3699 m²

Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	LwL [dB(A)]	Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	LwL [dB(A)]
1	900	228	201	155	1.19	49.8	43.8	84	1	1020	293	258	175	1.719	49.8	43.8	87
2		359	339	131	1.24	63.2	59.8	82	2		461	436	148	1.798	63.2	59.8	85
3		414	397	118	1.25	65.4	62.9	82	3		531	511	134	1.812	65.4	62.9	85
4		446	432	110	1.24	65.7	63.6	81	4		573	555	124	1.8	65.7	63.6	84
5		476	464	101	1.23	65.1	63.5	81	5		612	596	115	1.788	65.1	63.5	84
6		504	495	90	1.21	62.8	61.7	80	6		648	636	102	1.752	62.8	61.7	84
1	1140	366	322	196	2.4	49.8	43.8	90	1	1260	447	393	217	3.24	49.8	43.8	92
2		576	544	166	2.52	63.2	59.8	88	2		703	665	183	3.389	63.2	59.8	91
3		664	638	150	2.53	65.4	62.9	87	3		811	779	166	3.415	65.4	62.9	90
4		715	693	139	2.52	65.7	63.6	87	4		874	847	154	3.393	65.7	63.6	90
5		764	745	128	2.5	65.1	63.5	87	5		933	910	142	3.369	65.1	63.5	89
6		809	794	114	2.45	62.8	61.7	86	6		989	970	126	3.303	62.8	61.7	89
1	1380	537	472	237	4.26	49.8	43.8	94	1	1500	634	557	258	5.467	49.8	43.8	96
2		844	797	201	4.46	63.2	59.8	93	2		997	942	218	5.718	63.2	59.8	95
3		972	935	182	4.49	65.4	62.9	92	3		1149	1104	197	5.761	65.4	62.9	94
4		1048	1016	168	4.46	65.7	63.6	92	4		1239	1200	183	5.725	65.7	63.6	94
5		1119	1092	155	4.43	65.1	63.5	91	5		1322	1290	168	5.685	65.1	63.5	94
6		1186	1164	139	4.34	62.8	61.7	91	6		1401	1375	151	5.573	62.8	61.7	93
1	1620	740	650	279	6.89	49.8	43.8	98	1	1740	853	750	299	8.534	49.8	43.8	100
2		1163	1099	236	7.21	63.2	59.8	97	2		1341	1268	253	8.926	63.2	59.8	99
3		1340	1288	213	7.26	65.4	62.9	96	3		1546	1486	229	8.993	65.4	62.9	98
4		1445	1400	197	7.22	65.7	63.6	96	4		1667	1615	212	8.936	65.7	63.6	98
5		1543	1505	182	7.17	65.1	63.5	96	5		1780	1736	195	8.874	65.1	63.5	98
6		1634	1604	163	7.03	62.8	61.7	95	6		1885	1850	175	8.699	62.8	61.7	97
1	1860	975	857	320	10.43	49.8	43.8	102	1	1980	1105	971	341	12.574	49.8	43.8	103
2		1533	1448	271	10.91	63.2	59.8	101	2		1737	1641	288	13.152	63.2	59.8	102
3		1767	1698	245	10.99	65.4	62.9	100	3		2002	1924	261	13.251	65.4	62.9	102
4		1905	1846	227	10.92	65.7	63.6	100	4		2158	2091	241	13.167	65.7	63.6	101
5		2033	1983	209	10.84	65.1	63.5	99	5		2304	2248	222	13.075	65.1	63.5	101
6		2154	2115	187	10.63	62.8	61.7	99	6		2441	2396	199	12.818	62.8	61.7	101
1	2100	1243	1093	361	15.01	49.8	43.8	105	1	2220	1389	1221	382	17.724	49.8	43.8	107
2		1954	1846	306	15.7	63.2	59.8	104	2		2183	2063	323	18.538	63.2	59.8	105
3		2252	2164	276	15.81	65.4	62.9	103	3		2516	2418	292	18.677	65.4	62.9	105
4		2428	2353	256	15.71	65.7	63.6	103	4		2713	2629	271	18.558	65.7	63.6	104
5		2592	2528	236	15.6	65.1	63.5	103	5		2897	2826	249	18.429	65.1	63.5	104
6		2746	2695	211	15.3	62.8	61.7	102	6		3069	3012	223	18.067	62.8	61.7	104

- Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.
- Performance certified is for installation type B – Free inlet, Ducted outlet.
Rating Method "A" (Constant Speed, Transmission Loss Not Included)
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Ratings to do include the effect of duct end correction.

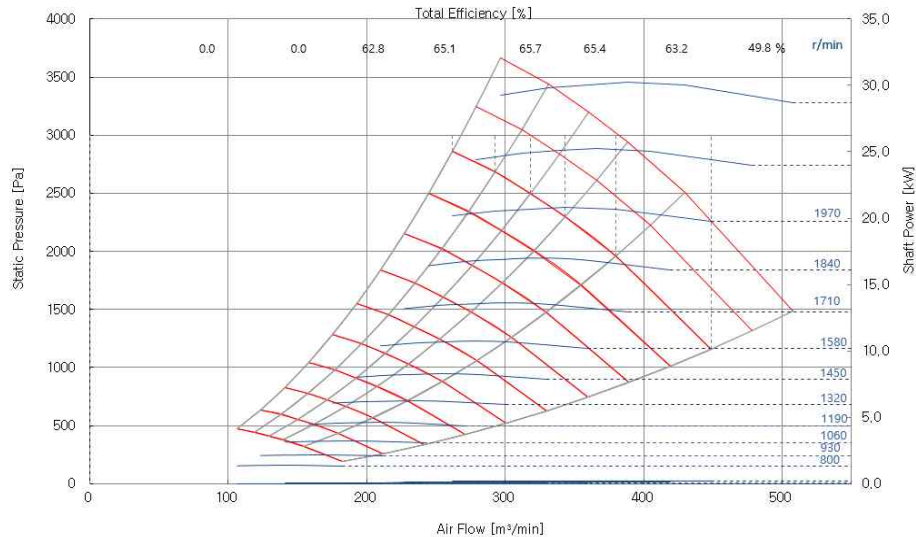


AIRFOIL FAN



Systemvent

5 SS



Wheel DIA : 750 mm

Outlet Area : 0.4560 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwi	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwi
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	800	218	191	182.17	1.33	49.8	43.8	84	1	930	294	258	211.77	2.08	49.8	43.8	88
2		342	323	154.18	1.39	63.2	59.8	83	2		462	437	179.24	2.176	63.2	59.8	86
3		394	379	139.46	1.4	65.4	62.9	82	3		533	512	162.12	2.192	65.4	62.9	85
4		425	412	129.11	1.39	65.7	63.6	81	4		574	556	150.09	2.178	65.7	63.6	85
5		454	442	118.98	1.38	65.1	63.5	81	5		613	598	138.31	2.163	65.1	63.5	84
6		481	472	106.34	1.35	62.8	61.7	80	6		649	637	123.63	2.121	62.8	61.7	84
1	1060	382	336	241.38	3.09	49.8	43.8	91	1	1190	481	423	270.98	4.359	49.8	43.8	94
2		600	567	204.29	3.23	63.2	59.8	89	2		756	715	229.34	4.559	63.2	59.8	92
3		692	665	184.78	3.25	65.4	62.9	88	3		872	838	207.44	4.593	65.4	62.9	91
4		746	723	171.07	3.23	65.7	63.6	88	4		940	911	192.05	4.564	65.7	63.6	91
5		796	777	157.65	3.21	65.1	63.5	88	5		1004	979	176.98	4.532	65.1	63.5	91
6		844	828	140.91	3.15	62.8	61.7	87	6		1063	1044	156.19	4.443	62.8	61.7	90
1	1320	592	521	300.58	5.95	49.8	43.8	96	1	1450	715	628	330.18	7.885	49.8	43.8	98
2		931	880	254.4	6.23	63.2	59.8	95	2		1123	1061	279.45	8.247	63.2	59.8	97
3		1073	1031	230.11	6.27	65.4	62.9	94	3		1295	1244	252.77	8.309	65.4	62.9	96
4		1157	1121	213.03	6.23	65.7	63.6	94	4		1396	1352	234.01	8.256	65.7	63.6	96
5		1235	1205	196.32	6.19	65.1	63.5	93	5		1490	1454	215.65	8.199	65.1	63.5	96
6		1308	1284	175.47	6.07	62.8	61.7	93	6		1579	1550	192.75	8.038	62.8	61.7	95
1	1580	848	746	359.79	10.21	49.8	43.8	100	1	1710	994	874	389.39	12.933	49.8	43.8	103
2		1334	1260	304.51	10.68	63.2	59.8	99	2		1562	1476	329.56	13.526	63.2	59.8	101
3		1537	1477	275.43	10.76	65.4	62.9	99	3		1800	1730	298.09	13.628	65.4	62.9	101
4		1657	1606	254.99	10.69	65.7	63.6	98	4		1941	1881	275.97	13.542	65.7	63.6	100
5		1769	1726	234.98	10.61	65.1	63.5	98	5		2072	2021	254.32	13.447	65.1	63.5	100
6		1875	1840	210.03	10.4	62.8	61.7	98	6		2196	2155	227.31	13.183	62.8	61.7	100
1	1840	1151	1011	418.99	16.12	49.8	43.8	104	1	1970	1319	1159	448.6	19.774	49.8	43.8	106
2		1809	1709	354.62	16.86	63.2	59.8	103	2		2073	1959	379.67	20.682	63.2	59.8	105
3		2085	2003	320.75	16.98	65.4	62.9	103	3		2389	2296	343.42	20.838	65.4	62.9	104
4		2247	2178	296.95	16.88	65.7	63.6	102	4		2576	2496	317.93	20.705	65.7	63.6	104
5		2400	2341	273.65	16.76	65.1	63.5	102	5		2751	2683	292.99	20.561	65.1	63.5	104
6		2542	2495	244.59	16.43	62.8	61.7	102	6		2914	2860	261.87	20.157	62.8	61.7	104
1	2100	1499	1317	478.2	23.96	49.8	43.8	108	1	2230	1690	1486	507.8	28.682	49.8	43.8	109
2		2356	2226	404.72	25.06	63.2	59.8	107	2		2656	2510	429.78	29.999	63.2	59.8	108
3		2715	2609	366.08	25.25	65.4	62.9	106	3		3062	2943	388.74	30.225	65.4	62.9	108
4		2927	2837	338.91	25.09	65.7	63.6	106	4		3301	3199	359.89	30.033	65.7	63.6	107
5		3126	3049	312.32	24.91	65.1	63.5	105	5		3525	3438	331.65	29.824	65.1	63.5	107
6		3312	3250	279.16	24.42	62.8	61.7	105	6		3734	3665	296.44	29.238	62.8	61.7	107

- Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.
- Performance certified is for installation type B – Free inlet, Ducted outlet.
Rating Method "A" (Constant Speed, Transmission Loss Not Included)
- Power rating (KW) does not include transmission losses.
- Performance ratings do not include the effects of appurtenances (accessories)
- The A-weighted sound ratings shown have been calculated per AMCA standard 301.
- Values shown are for inlet LwA sound power levels for installation Type B : free inlet, ducted outlet.
Ratings to do include the effect of duct end corrections.

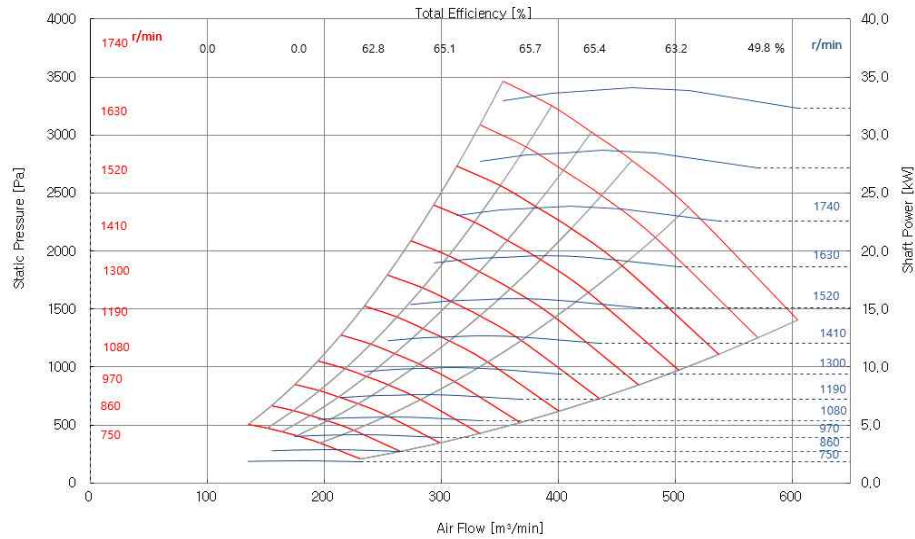


AIRFOIL FAN



Systemvent

5 1/2 SS



Wheel DIA : 830 mm

Outlet Area : 0.5544 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	234	206	231	1.82	49.8	43.8	86	1	308	271	265	2.731	49.8	43.8	89	1	308
2	368	348	196	1.9	63.2	59.8	84	2	484	457	225	2.856	63.2	59.8	87	2	484
3	424	408	177	1.91	65.4	62.9	83	3	558	536	203	2.878	65.4	62.9	86	3	558
4	457	443	164	1.9	65.7	63.6	83	4	601	583	188	2.859	65.7	63.6	86	4	601
5	488	476	151	1.89	65.1	63.5	82	5	642	626	173	2.839	65.1	63.5	86	5	642
6	517	508	135	1.85	62.8	61.7	82	6	680	668	155	2.784	62.8	61.7	85	6	680
1	392	344	299	3.92	49.8	43.8	92	1	485	427	333	5.408	49.8	43.8	94	1	485
2	616	582	253	4.1	63.2	59.8	90	2	763	721	282	5.657	63.2	59.8	93	2	763
3	709	682	229	4.13	65.4	62.9	89	3	880	845	255	5.699	65.4	62.9	92	3	880
4	765	741	212	4.11	65.7	63.6	89	4	948	919	236	5.663	65.7	63.6	92	4	948
5	817	797	196	4.08	65.1	63.5	89	5	1012	988	218	5.624	65.1	63.5	91	5	1012
6	865	849	175	4	62.8	61.7	88	6	1073	1053	195	5.513	62.8	61.7	91	6	1073
1	589	518	367	7.24	49.8	43.8	97	1	703	618	401	9.432	49.8	43.8	99	1	703
2	926	876	311	7.57	63.2	59.8	95	2	1106	1045	340	9.865	63.2	59.8	97	2	1106
3	1068	1026	281	7.63	65.4	62.9	94	3	1274	1225	307	9.939	65.4	62.9	97	3	1274
4	1151	1116	260	7.58	65.7	63.6	94	4	1374	1331	284	9.876	65.7	63.6	96	4	1374
5	1229	1199	240	7.53	65.1	63.5	94	5	1467	1431	262	9.808	65.1	63.5	96	5	1467
6	1302	1278	214	7.38	62.8	61.7	93	6	1554	1525	234	9.615	62.8	61.7	96	6	1554
1	828	727	435	12.04	49.8	43.8	101	1	982	845	469	15.077	49.8	43.8	103	1	982
2	1301	1229	368	12.59	63.2	59.8	99	2	1512	1428	397	15.769	63.2	59.8	101	2	1512
3	1499	1441	333	12.69	65.4	62.9	99	3	1742	1674	359	15.888	65.4	62.9	101	3	1742
4	1616	1566	308	12.61	65.7	63.6	98	4	1878	1820	332	15.787	65.7	63.6	100	4	1878
5	1726	1683	284	12.52	65.1	63.5	98	5	2005	1956	306	15.677	65.1	63.5	100	5	2005
6	1828	1794	254	12.27	62.8	61.7	98	6	2125	2085	274	15.369	62.8	61.7	100	6	2125
1	1106	972	503	18.6	49.8	43.8	104	1	1260	1108	537	22.617	49.8	43.8	106	1	1260
2	1738	1643	426	19.45	63.2	59.8	103	2	1981	1872	455	23.655	63.2	59.8	105	2	1981
3	2003	1925	385	19.6	65.4	62.9	102	3	2283	2194	411	23.833	65.4	62.9	104	3	2283
4	2160	2093	357	19.47	65.7	63.6	102	4	2461	2385	381	23.682	65.7	63.6	104	4	2461
5	2306	2250	329	19.34	65.1	63.5	102	5	2628	2563	351	23.517	65.1	63.5	104	5	2628
6	2443	2398	294	18.96	62.8	61.7	102	6	2784	2733	313	23.055	62.8	61.7	103	6	2784
1	1425	1252	571	27.19	49.8	43.8	108	1	1599	1406	605	32.326	49.8	43.8	109	1	1599
2	2239	2116	483	28.44	63.2	59.8	106	2	2513	2375	512	33.81	63.2	59.8	108	2	2513
3	2581	2480	437	28.65	65.4	62.9	106	3	2897	2784	463	34.064	65.4	62.9	107	3	2897
4	2782	2696	405	28.47	65.7	63.6	105	4	3123	3026	429	33.848	65.7	63.6	107	4	3123
5	2971	2898	373	28.27	65.1	63.5	105	5	3335	3253	395	33.613	65.1	63.5	107	5	3335
6	3148	3089	333	27.71	62.8	61.7	105	6	3533	3467	353	32.953	62.8	61.7	106	6	3533

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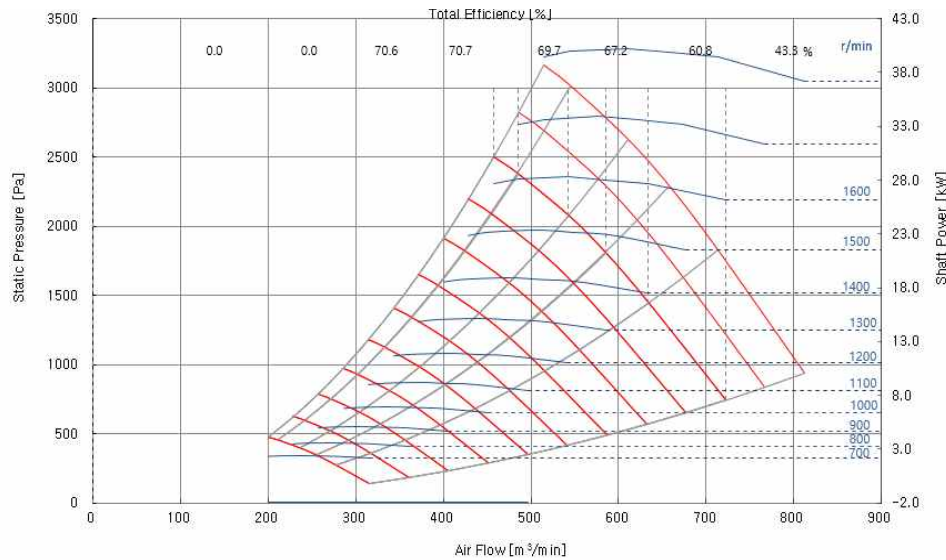


AIRFOIL FAN



Systemvent

6 SS



Wheel DIA : 900 mm

Outlet Area : 0.6588 m²

Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	Lwl [dB(A)]	Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	Lwl [dB(A)]
1	700	180	142	316	2.2	43.3	34.1	89	1	800	235	185	361	3.3	43.3	34.1	92
2		306	277	277	2.3	60.8	55	86	2		400	362	317	3.5	60.8	55	89
3		371	346	256	2.4	67.2	62.7	86	3		485	452	293	3.5	67.2	62.7	89
4		419	397	238	2.4	69.7	66.1	85	4		547	519	271	3.5	69.7	66.1	88
5		472	455	212	2.4	70.7	68.2	85	5		617	595	242	3.5	70.7	68.2	88
6		493	478	200	2.3	70.6	68.4	85	6		644	624	229	3.5	70.6	68.4	88
1	900	298	235	406	4.7	43.3	34.1	94	1	1000	368	290	451	6.4	43.3	34.1	97
2		506	458	357	4.9	60.8	55	92	2		625	565	396	6.8	60.8	55	95
3		613	572	329	5	67.2	62.7	91	3		757	706	366	6.8	67.2	62.7	94
4		692	656	305	5	69.7	66.1	91	4		854	810	339	6.9	69.7	66.1	93
5		781	753	273	5	70.7	68.2	91	5		964	929	303	6.9	70.7	68.2	93
6		816	790	257	4.9	70.6	68.4	91	6		1007	976	286	6.8	70.6	68.4	93
1	1100	445	351	496	8.5	43.3	34.1	99	1	1200	530	417	542	11	43.3	34.1	101
2		756	684	436	9	60.8	55	97	2		900	813	475	11.7	60.8	55	99
3		916	854	402	9.1	67.2	62.7	96	3		1090	1017	439	11.8	67.2	62.7	98
4		1034	981	373	9.2	69.7	66.1	95	4		1230	1167	407	11.9	69.7	66.1	98
5		1166	1124	333	9.1	70.7	68.2	95	5		1388	1338	364	11.8	70.7	68.2	98
6		1218	1181	314	9	70.6	68.4	96	6		1450	1405	343	11.7	70.6	68.4	98
1	1300	622	490	587	14	43.3	34.1	103	1	1400	721	568	632	17.5	43.3	34.1	105
2		1056	955	515	14.9	60.8	55	101	2		1225	1107	555	18.6	60.8	55	103
3		1280	1193	475	15	67.2	62.7	100	3		1484	1384	512	18.8	67.2	62.7	102
4		1444	1370	441	15.2	69.7	66.1	100	4		1674	1588	475	18.9	69.7	66.1	101
5		1629	1570	394	15.1	70.7	68.2	100	5		1889	1821	424	18.8	70.7	68.2	101
6		1702	1649	372	14.9	70.6	68.4	100	6		1973	1912	400	18.5	70.6	68.4	102
1	1500	828	652	677	21.5	43.3	34.1	106	1	1600	942	742	722	26.1	43.3	34.1	108
2		1406	1271	594	22.8	60.8	55	104	2		1600	1446	634	27.7	60.8	55	106
3		1704	1589	548	23.1	67.2	62.7	104	3		1938	1808	585	28	67.2	62.7	105
4		1922	1823	509	23.3	69.7	66.1	103	4		2187	2075	543	28.3	69.7	66.1	105
5		2169	2090	455	23.1	70.7	68.2	103	5		2468	2378	485	28.1	70.7	68.2	105
6		2265	2195	429	22.8	70.6	68.4	103	6		2578	2498	457	27.7	70.6	68.4	105
1	1700	1063	838	767	31.3	43.3	34.1	110	1	1800	1192	939	812	37.2	43.3	34.1	111
2		1806	1633	673	33.2	60.8	55	107	2		2025	1830	713	39.4	60.8	55	109
3		2188	2041	622	33.6	67.2	62.7	107	3		2453	2288	658	39.9	67.2	62.7	108
4		2469	2342	577	33.9	69.7	66.1	106	4		2768	2626	611	40.3	69.7	66.1	108
5		2786	2685	515	33.7	70.7	68.2	106	5		3123	3010	545	40	70.7	68.2	108
6		2910	2820	486	33.2	70.6	68.4	106	6		3262	3161	515	39.4	70.6	68.4	108

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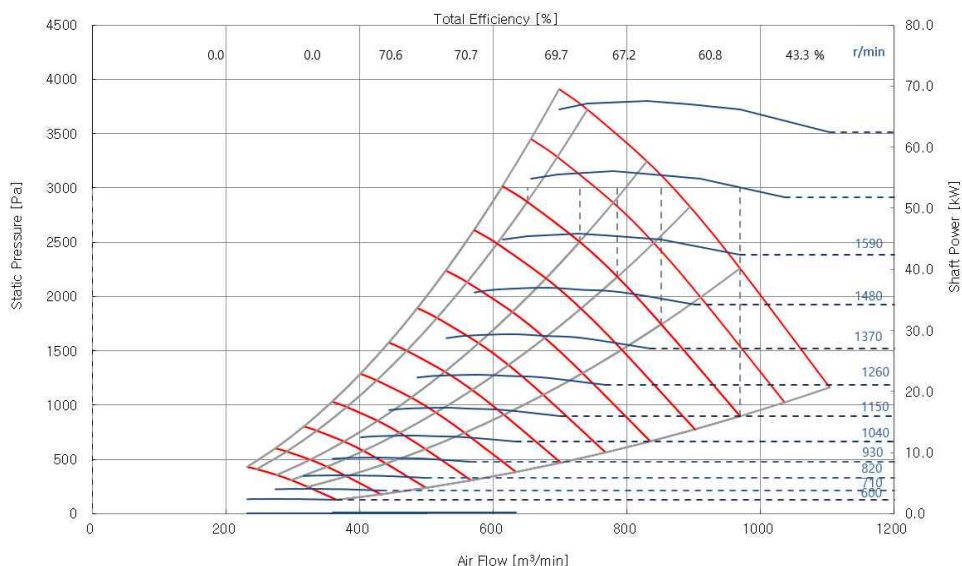


AIRFOIL FAN



Systemvent

7 SS



Wheel DIA : 995 mm

Outlet Area : 0.8946 m²

Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	LwL [dB(A)]	Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	LwL [dB(A)]
1	600	162	128	366	2.28	43.3	34.1	88	1	710	227	179	433	3.771	43.3	34.1	92
2		275	249	321	2.42	60.8	55	86	2		385	348	380	3.998	60.8	55	90
3		333	311	296	2.45	67.2	62.7	85	3		466	435	351	4.044	67.2	62.7	89
4		376	357	275	2.47	69.7	66.1	84	4		526	499	326	4.081	69.7	66.1	88
5		424	409	246	2.45	70.7	68.2	84	5		594	572	291	4.049	70.7	68.2	88
6		443	429	232	2.42	70.6	68.4	84	6		620	601	274	3.996	70.6	68.4	88
1	820	302	238	500	5.81	43.3	34.1	95	1	930	389	306	567	8.474	43.3	34.1	98
2		514	464	439	6.16	60.8	55	93	2		661	597	498	8.984	60.8	55	96
3		622	580	405	6.24	67.2	62.7	92	3		800	746	459	9.089	67.2	62.7	95
4		702	666	376	6.29	69.7	66.1	92	4		903	857	426	9.171	69.7	66.1	94
5		792	764	336	6.24	70.7	68.2	92	5		1019	982	381	9.101	70.7	68.2	95
6		827	802	317	6.16	70.6	68.4	92	6		1064	1031	359	8.979	70.6	68.4	95
1	1040	486	383	634	11.86	43.3	34.1	101	1	1150	595	468	701	16.022	43.3	34.1	103
2		826	747	557	12.57	60.8	55	99	2		1010	913	616	16.987	60.8	55	101
3		1001	933	514	12.72	67.2	62.7	98	3		1224	1141	568	17.185	67.2	62.7	100
4		1129	1071	477	12.83	69.7	66.1	97	4		1381	1310	527	17.34	69.7	66.1	100
5		1274	1228	426	12.73	70.7	68.2	97	5		1558	1502	471	17.207	70.7	68.2	100
6		1331	1290	402	12.56	70.6	68.4	97	6		1628	1577	444	16.978	70.6	68.4	100
1	1260	714	562	768	21.08	43.3	34.1	105	1	1370	844	665	835	27.089	43.3	34.1	107
2		1213	1096	675	22.35	60.8	55	103	2		1433	1296	733	28.721	60.8	55	105
3		1469	1370	623	22.61	67.2	62.7	102	3		1737	1620	677	29.055	67.2	62.7	104
4		1658	1573	578	22.81	69.7	66.1	102	4		1960	1859	628	29.317	69.7	66.1	104
5		1871	1803	516	22.64	70.7	68.2	102	5		2211	2131	561	29.093	70.7	68.2	104
6		1954	1893	487	22.34	70.6	68.4	102	6		2310	2238	529	28.705	70.6	68.4	104
1	1480	985	776	902	34.16	43.3	34.1	109	1	1590	1137	895	970	42.346	43.3	34.1	111
2		1673	1512	792	36.21	60.8	55	107	2		1931	1745	851	44.898	60.8	55	109
3		2027	1890	731	36.64	67.2	62.7	106	3		2339	2182	786	45.42	67.2	62.7	108
4		2287	2170	679	36.97	69.7	66.1	106	4		2640	2504	729	45.829	69.7	66.1	108
5		2581	2487	606	36.68	70.7	68.2	106	5		2979	2871	651	45.479	70.7	68.2	108
6		2696	2612	572	36.19	70.6	68.4	106	6		3111	3015	614	44.874	70.6	68.4	108
1	1700	1300	1024	1037	51.76	43.3	34.1	113	1	1810	1473	1160	1104	62.468	43.3	34.1	114
2		2207	1995	910	54.88	60.8	55	111	2		2502	2262	969	66.232	60.8	55	112
3		2674	2494	840	55.52	67.2	62.7	110	3		3032	2827	894	67.003	67.2	62.7	111
4		3018	2863	780	56.02	69.7	66.1	109	4		3421	3245	830	67.606	69.7	66.1	111
5		3405	3282	696	55.59	70.7	68.2	109	5		3860	3720	741	67.09	70.7	68.2	111
6		3557	3447	657	54.85	70.6	68.4	109	6		4032	3907	699	66.197	70.6	68.4	111

- Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.
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Rating Method "A" (Constant Speed, Transmission Loss Not Included)
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Ratings to do include the effect of duct end corrections.

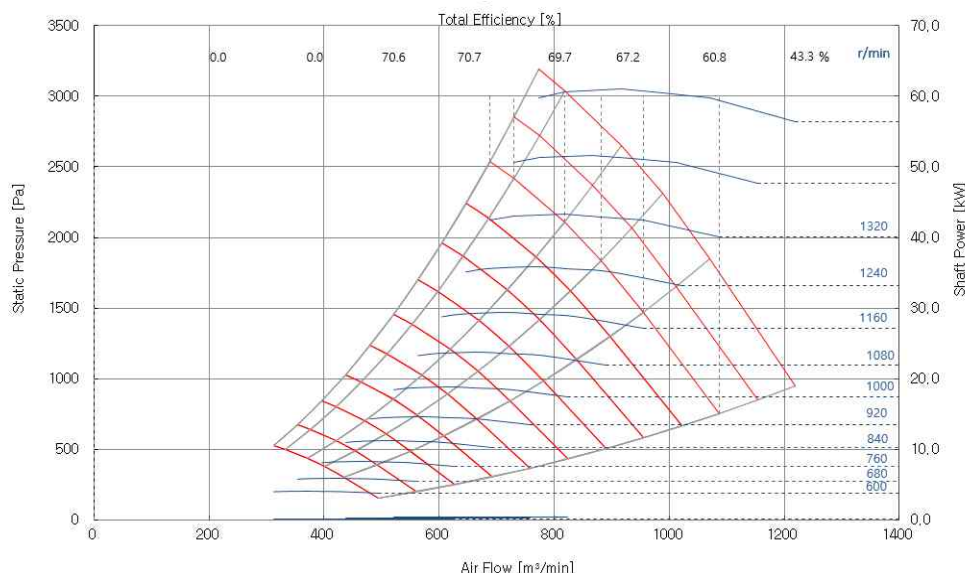


AIRFOIL FAN



Systemvent

8 SS



Wheel DIA : 1100 mm

Outlet Area : 1.1712 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	600	198	156	494	3.76	43.3	34.1	89	1	680	254	200	560	5.47	43.3	34.1	94
2		336	304	434	3.99	60.8	55	86	2		432	390	492	5.8	60.8	55	92
3		407	380	401	4.04	67.2	62.7	85	3		523	488	454	5.867	67.2	62.7	91
4		459	436	372	4.07	69.7	66.1	84	4		590	560	421	5.92	69.7	66.1	90
5		518	500	332	4.04	70.7	68.2	84	5		666	642	376	5.875	70.7	68.2	90
6		541	525	313	3.99	70.6	68.4	84	6		695	674	355	5.797	70.6	68.4	91
1	760	317	250	626	7.64	43.3	34.1	97	1	840	388	305	692	10.311	43.3	34.1	99
2		539	487	550	8.1	60.8	55	94	2		659	595	608	10.932	60.8	55	97
3		653	609	507	8.2	67.2	62.7	94	3		798	744	561	11.06	67.2	62.7	96
4		737	699	471	8.27	69.7	66.1	93	4		900	854	520	11.159	69.7	66.1	95
5		832	802	421	8.21	70.7	68.2	93	5		1016	979	465	11.074	70.7	68.2	95
6		869	842	397	8.1	70.6	68.4	93	6		1061	1028	438	10.927	70.6	68.4	95
1	920	465	366	758	13.55	43.3	34.1	101	1	1000	550	433	824	17.397	43.3	34.1	103
2		790	714	665	14.37	60.8	55	99	2		933	844	723	18.445	60.8	55	101
3		957	893	614	14.54	67.2	62.7	98	3		1131	1055	668	18.66	67.2	62.7	100
4		1080	1025	570	14.67	69.7	66.1	97	4		1276	1211	620	18.828	69.7	66.1	99
5		1219	1175	509	14.55	70.7	68.2	97	5		1440	1388	553	18.684	70.7	68.2	99
6		1273	1234	480	14.36	70.6	68.4	98	6		1504	1458	522	18.435	70.6	68.4	100
1	1080	641	505	890	21.92	43.3	34.1	105	1	1160	740	583	956	27.155	43.3	34.1	106
2		1089	984	781	23.24	60.8	55	102	2		1256	1135	839	28.791	60.8	55	104
3		1319	1230	721	23.51	67.2	62.7	102	3		1522	1419	774	29.126	67.2	62.7	103
4		1488	1412	669	23.72	69.7	66.1	101	4		1717	1629	719	29.388	69.7	66.1	103
5		1680	1619	598	23.54	70.7	68.2	101	5		1938	1867	642	29.164	70.7	68.2	103
6		1754	1700	564	23.23	70.6	68.4	101	6		2024	1961	605	28.775	70.6	68.4	103
1	1240	845	666	1022	33.17	43.3	34.1	108	1	1320	958	754	1088	40.012	43.3	34.1	109
2		1435	1297	897	35.17	60.8	55	106	2		1626	1470	955	42.423	60.8	55	107
3		1739	1622	828	35.58	67.2	62.7	105	3		1971	1838	881	42.917	67.2	62.7	107
4		1962	1861	768	35.9	69.7	66.1	104	4		2224	2109	818	43.303	69.7	66.1	106
5		2214	2134	686	35.63	70.7	68.2	105	5		2509	2418	730	42.973	70.7	68.2	106
6		2313	2241	647	35.15	70.6	68.4	105	6		2621	2540	689	42.4	70.6	68.4	106
1	1400	1077	848	1153	47.74	43.3	34.1	111	1	1480	1204	948	1219	56.397	43.3	34.1	112
2		1830	1654	1013	50.62	60.8	55	109	2		2045	1848	1071	59.795	60.8	55	110
3		2217	2067	935	51.21	67.2	62.7	108	3		2477	2311	988	60.491	67.2	62.7	109
4		2501	2373	867	51.67	69.7	66.1	107	4		2795	2652	917	61.036	69.7	66.1	109
5		2822	2720	775	51.27	70.7	68.2	107	5		3154	3040	819	60.57	70.7	68.2	109
6		2948	2857	731	50.59	70.6	68.4	108	6		3295	3193	773	59.763	70.6	68.4	109

- Efficiency rating are fan static(or fan total) and exclude bearing or power transmission losses.
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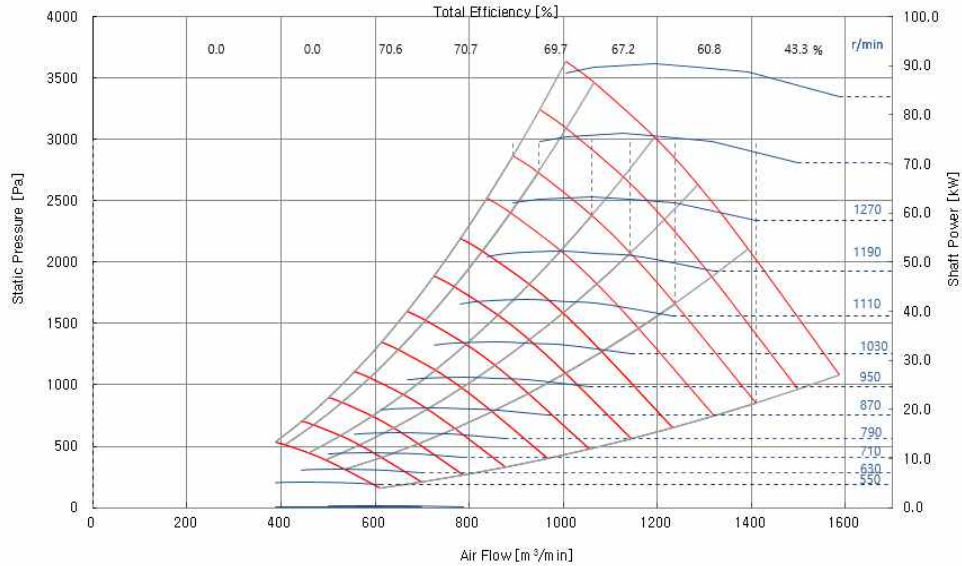


AIRFOIL FAN



Systemvent

9 SS



Wheel DIA : 1215 mm

Outlet Area : 1.4796 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	Lwl
	[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]		[r/min]	[Pa]	[Pa]	[m³/min]	[kW]	[%]	[%]	[dB(A)]
1	203	160	611	4.76	43.3	34.1	93	1	266	210	699	7.152	43.3	34.1	96		
2	344	311	536	5.05	60.8	55	90	2	452	409	614	7.583	60.8	55	93		
3	417	389	495	5.11	67.2	62.7	89	3	548	511	567	7.671	67.2	62.7	92		
4	471	447	459	5.15	69.7	66.1	88	4	618	586	526	7.74	69.7	66.1	92		
5	531	512	410	5.12	70.7	68.2	88	5	697	672	470	7.681	70.7	68.2	91		
6	555	538	387	5.05	70.6	68.4	88	6	728	706	443	7.579	70.6	68.4	92		
1	338	266	788	10.24	43.3	34.1	98	1	418	330	877	14.102	43.3	34.1	101		
2	574	519	692	10.86	60.8	55	96	2	711	643	770	14.951	60.8	55	98		
3	696	649	639	10.98	67.2	62.7	95	3	861	803	711	15.125	67.2	62.7	97		
4	785	745	593	11.08	69.7	66.1	94	4	972	922	660	15.262	69.7	66.1	97		
5	886	854	529	11	70.7	68.2	94	5	1096	1057	589	15.145	70.7	68.2	97		
6	925	896	499	10.85	70.6	68.4	95	6	1145	1110	556	14.943	70.6	68.4	97		
1	508	400	966	18.84	43.3	34.1	103	1	605	477	1055	24.522	43.3	34.1	105		
2	862	779	848	19.97	60.8	55	100	2	1028	929	926	26	60.8	55	102		
3	1044	974	783	20.21	67.2	62.7	100	3	1245	1161	855	26.302	67.2	62.7	102		
4	1178	1118	726	20.39	69.7	66.1	99	4	1405	1333	793	26.539	69.7	66.1	101		
5	1330	1282	649	20.23	70.7	68.2	99	5	1586	1528	708	26.336	70.7	68.2	101		
6	1389	1346	612	19.96	70.6	68.4	99	6	1656	1605	668	25.986	70.6	68.4	101		
1	711	560	1144	31.26	43.3	34.1	106	1	826	651	1232	39.116	43.3	34.1	108		
2	1208	1092	1004	33.14	60.8	55	104	2	1403	1268	1082	41.473	60.8	55	106		
3	1464	1365	927	33.53	67.2	62.7	104	3	1700	1586	999	41.956	67.2	62.7	105		
4	1652	1567	860	33.83	69.7	66.1	103	4	1918	1820	927	42.334	69.7	66.1	105		
5	1864	1796	768	33.57	70.7	68.2	103	5	2165	2086	828	42.01	70.7	68.2	105		
6	1947	1887	724	33.12	70.6	68.4	103	6	2261	2191	781	41.451	70.6	68.4	105		
1	950	748	1321	48.2	43.3	34.1	110	1	1081	852	1410	58.587	43.3	34.1	111		
2	1613	1458	1160	51.11	60.8	55	108	2	1837	1660	1238	62.117	60.8	55	109		
3	1954	1822	1071	51.7	67.2	62.7	107	3	2226	2076	1142	62.84	67.2	62.7	109		
4	2205	2092	994	52.17	69.7	66.1	106	4	2511	2382	1060	63.406	69.7	66.1	108		
5	2488	2398	887	51.77	70.7	68.2	107	5	2834	2731	947	62.921	70.7	68.2	108		
6	2599	2518	837	51.06	70.6	68.4	107	6	2960	2868	893	62.084	70.6	68.4	108		
1	1222	963	1499	70.38	43.3	34.1	113	1	1371	1080	1588	83.637	43.3	34.1	114		
2	2075	1876	1316	74.62	60.8	55	111	2	2329	2105	1394	88.676	60.8	55	112		
3	2515	2345	1214	75.48	67.2	62.7	110	3	2822	2632	1286	89.708	67.2	62.7	111		
4	2837	2692	1127	76.16	69.7	66.1	110	4	3184	3020	1194	90.516	69.7	66.1	111		
5	3202	3086	1007	75.58	70.7	68.2	110	5	3593	3462	1066	89.825	70.7	68.2	111		
6	3344	3241	950	74.58	70.6	68.4	110	6	3752	3636	1006	88.629	70.6	68.4	111		

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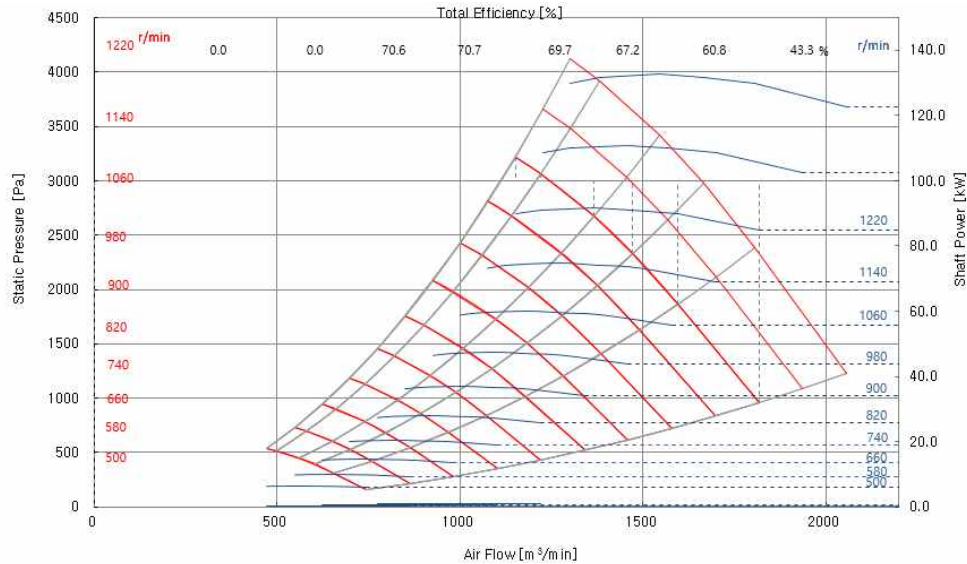


AIRFOIL FAN



Systemvent

10 SS



Wheel DIA : 1340 mm

Outlet Area : 1.8300 m²

Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	Lwt [dB(A)]	Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m³/min]	H [kW]	EtaT [%]	EtaS [%]	Lwt [dB(A)]
1	204	161	745	5.84	43.3	34.1	93	1	274	216	864	9.106	43.3	34.1	97		
2	346	313	654	6.19	60.8	55	91	2	466	421	758	9.654	60.8	55	94		
3	420	391	603	6.26	67.2	62.7	90	3	565	527	700	9.767	67.2	62.7	93		
4	473	449	560	6.32	69.7	66.1	89	4	637	604	650	9.855	69.7	66.1	93		
5	534	515	500	6.27	70.7	68.2	89	5	719	693	580	9.779	70.7	68.2	92		
6	558	541	472	6.19	70.6	68.4	89	6	751	728	547	9.649	70.6	68.4	93		
1	355	280	983	13.42	43.3	34.1	100	1	447	352	1102	18.912	43.3	34.1	102		
2	603	545	863	14.23	60.8	55	97	2	759	686	968	20.051	60.8	55	100		
3	731	682	796	14.4	67.2	62.7	97	3	919	857	893	20.284	67.2	62.7	99		
4	825	783	739	14.53	69.7	66.1	96	4	1037	984	829	20.467	69.7	66.1	98		
5	931	897	660	14.41	70.7	68.2	96	5	1170	1128	740	20.311	70.7	68.2	98		
6	972	942	623	14.22	70.6	68.4	96	6	1222	1184	698	20.04	70.6	68.4	98		
1	548	432	1221	25.74	43.3	34.1	104	1	661	520	1340	34.022	43.3	34.1	106		
2	931	842	1072	27.29	60.8	55	102	2	1122	1014	1177	36.072	60.8	55	104		
3	1129	1053	990	27.6	67.2	62.7	101	3	1359	1268	1086	36.492	67.2	62.7	103		
4	1273	1208	918	27.85	69.7	66.1	101	4	1534	1455	1008	36.82	69.7	66.1	103		
5	1437	1385	820	27.64	70.7	68.2	101	5	1731	1668	900	36.539	70.7	68.2	103		
6	1501	1454	774	27.27	70.6	68.4	101	6	1808	1752	849	36.053	70.6	68.4	103		
1	783	617	1460	43.93	43.3	34.1	108	1	916	722	1579	55.584	43.3	34.1	110		
2	1330	1203	1281	46.58	60.8	55	106	2	1556	1407	1386	58.933	60.8	55	108		
3	1612	1503	1183	47.12	67.2	62.7	105	3	1886	1759	1279	59.619	67.2	62.7	107		
4	1819	1725	1098	47.54	69.7	66.1	105	4	2128	2019	1187	60.156	69.7	66.1	107		
5	2052	1978	980	47.18	70.7	68.2	105	5	2401	2314	1060	59.696	70.7	68.2	107		
6	2144	2077	925	46.55	70.6	68.4	105	6	2508	2430	1000	58.902	70.6	68.4	107		
1	1060	835	1698	69.15	43.3	34.1	112	1	1214	956	1817	84.745	43.3	34.1	113		
2	1800	1627	1491	73.31	60.8	55	110	2	2062	1864	1595	89.85	60.8	55	111		
3	2181	2034	1376	74.17	67.2	62.7	109	3	2498	2330	1472	90.896	67.2	62.7	111		
4	2461	2335	1277	74.83	69.7	66.1	108	4	2819	2674	1366	91.715	69.7	66.1	110		
5	2777	2677	1140	74.26	70.7	68.2	108	5	3181	3065	1220	91.014	70.7	68.2	110		
6	2901	2811	1076	73.27	70.6	68.4	109	6	3322	3219	1151	89.803	70.6	68.4	110		
1	1378	1086	1936	102.54	43.3	34.1	115	1	1553	1223	2055	122.65	43.3	34.1	116		
2	2341	2116	1700	108.72	60.8	55	113	2	2638	2385	1804	130.04	60.8	55	114		
3	2836	2645	1569	109.98	67.2	62.7	112	3	3196	2981	1665	131.55	67.2	62.7	114		
4	3200	3036	1456	110.97	69.7	66.1	112	4	3606	3421	1546	132.74	69.7	66.1	113		
5	3611	3481	1300	110.12	70.7	68.2	112	5	4070	3922	1380	131.72	70.7	68.2	113		
6	3772	3655	1227	108.66	70.6	68.4	112	6	4251	4119	1302	129.97	70.6	68.4	113		

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Ratings to do include the effect of duct end correction



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