

AIR FOIL FAN

GAF-SS series

GAF-SS

SINCE 1975

www.gsfan.co.kr

AIR FOIL FAN GAF-SS series

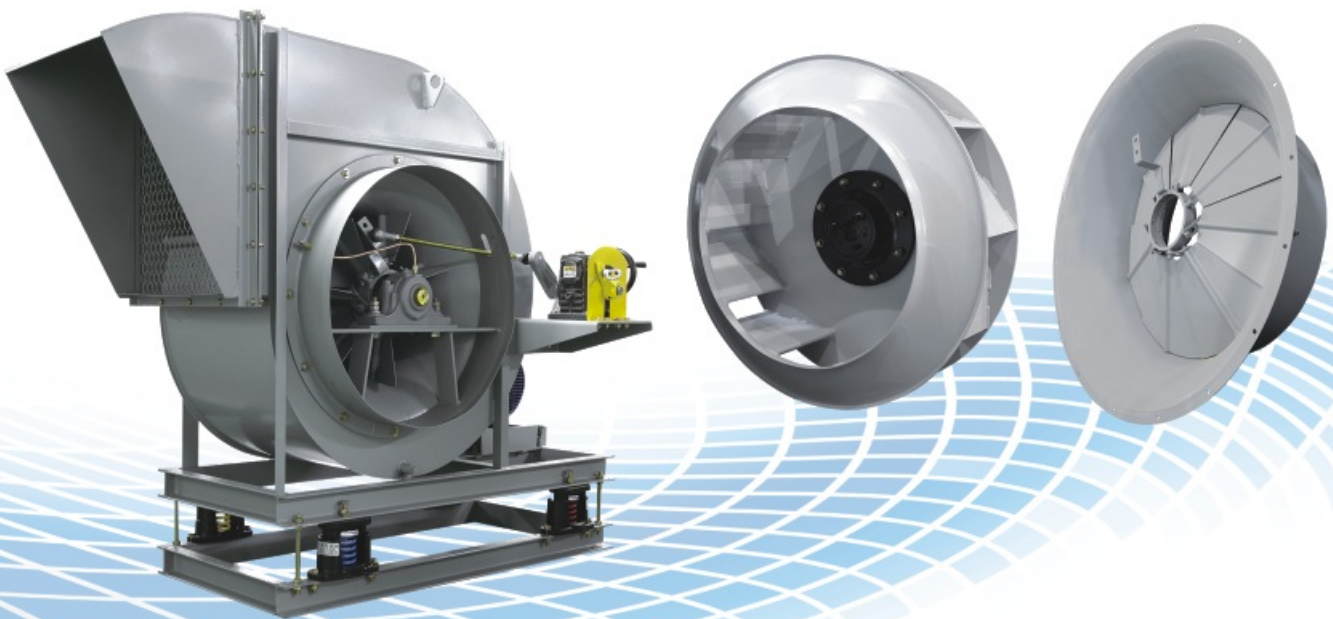


GAF-FAN은 날개에 항공기의 익형을 응용한 것이며 원심 FAN 중에는 가장 새로운 기종입니다.

효율이 좋고 소음도 낮으며 고속회전이 가능하고 날개경도 작게 할 수 있으므로 전체적으로 소형이 되는 장점이 있습니다.

GAF-FAN applied sing types of a plane to wings, and of the centrifugal fans, it is the newest model.

Since it provides high efficiency, Low noise, high-speed rotations and a small wing diameter, it can be small.



GAF-SS (SWSI CENTRIFUGAL FAN)



GUMSUNG POONG RYUK Co.,Ltd. certifies that the GAF-SS FAN shown herein is licensed to bear the AMCA Seal. The Ratings shown are based on tests and procedure performed in accordance with AMCA publication 211, 311 and comply with the requirements of the AMCA Certified Ratings Program.



GAF-2SS from GAF-14SS for the entire model to have obtained the AMCA Seal certified performance and sound.

GAF-2SS ~ GAF-2.25SS base data is GAF-2SS
GAF-2.5SS ~ GAF-2.75SS base data is GAF-2.5SS
GAF-3SS ~ GAF-3.75SS base data is GAF-3SS
GAF-4SS ~ GAF-4.75SS base data is GAF-4SS
GAF-5SS ~ GAF-5.75SS base data is GAF-5SS
GAF-6SS ~ GAF-7SS base data is GAF-6SS
GAF-8SS ~ GAF-14SS base data is GAF-8SS

Type GAF-SS SWSI Series

Gumsung GAF-SS SWSI model is double suction-center hang type fan with wheel diameter from 12" to 84" applied by aerodynamic design.

1. Wheels

All wheels are dynamically balanced and designed to perform up to 100% of standard capacity. The wheels are made of carbon steel and generally constructed by spot welding will be applied in case when high speed is required or the air is dusted or wet.

2. HUB

The hub is made of steel casing and can be fixed to shaft with keys and taper bushes.

3. Casing

Constructed of metal sheets and section steel with continuous welding to perform 100% of standard capacity.

4. Inlet Cone

Designed to perform 100% of standard capacity enabling the maximum control. A special care was done to keep the inlet cones from touching other parts to include wheels. It can be easily assembled to the casing with flat washers.

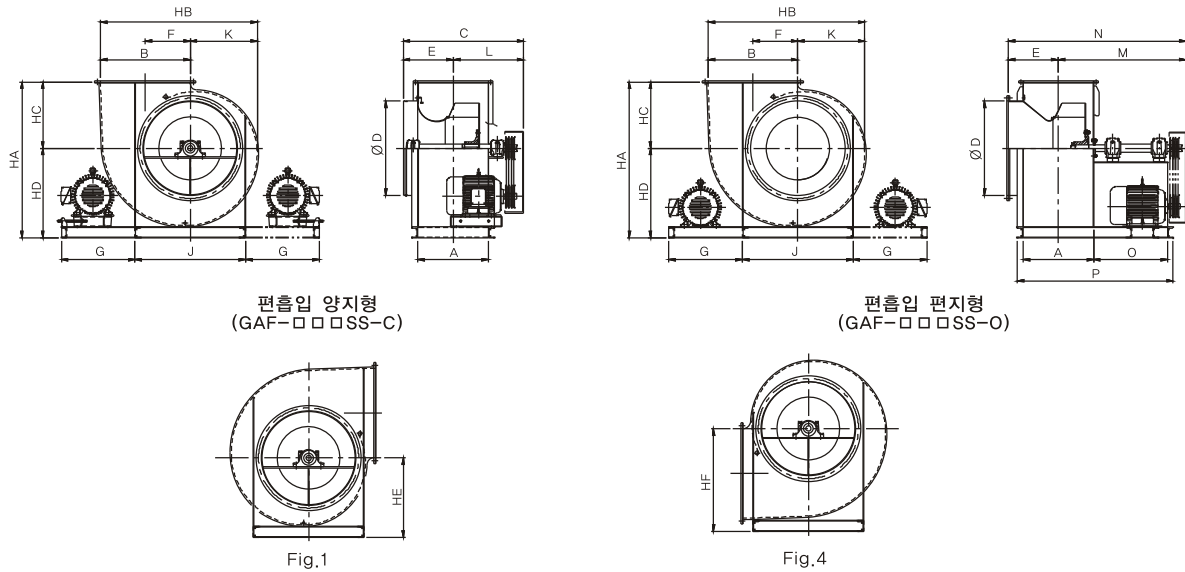
5. Inlet Vane controls

It accurately controls the air flow and change the direction of flow to the wheels. Reduced air volume than outlet damper will provide more economical performance. If you are installing the inlet guide vane damper performance degradation of about 3-5% is caused by the fluid velocity.

GAF-SS series

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표준외형도 Standard shape of AIR FOIL FAN(GAF-SS SERIES)



MODEL NO.	A	B	ØD	E	F	HA	HB	HC	HD	HE	HF	C	J	K	L	M	N	O	P	FAN WEIGHT kg
#2	240	305	320	210	153	550	535	240	310	280	355	495	400	230	285	650	860	400	720	42
#2.25	270	345	360	225	173	630	615	275	355	320	395	525	500	270	300	665	890	400	750	53
#2.5	300	380	400	240	190	660	665	275	385	345	440	555	500	285	315	680	920	400	800	74
#2.75	330	420	440	255	210	665	735	340	325	375	480	585	570	315	330	695	950	400	830	95
#3	360	455	480	270	228	790	795	340	450	400	515	655	570	340	385	710	980	400	860	126
#3.25	390	495	520	285	248	870	870	380	490	435	555	685	660	375	400	725	1010	400	890	140
#3.5	420	535	560	310	268	930	935	410	520	460	595	725	660	400	415	790	1100	450	970	165
#3.75	450	570	600	325	285	1010	1000	430	580	490	630	755	750	430	430	810	1135	455	1005	189
#4	480	610	640	340	305	1060	1065	450	610	540	695	805	750	455	465	870	1210	500	1080	225
#4.25	510	650	680	355	325	1040	1135	480	560	570	735	835	850	485	480	885	1240	500	1110	238
#4.5	540	685	720	370	343	1160	1190	490	670	590	770	865	850	505	495	900	1270	500	1140	268
#4.75	570	725	760	385	363	1225	1260	520	705	620	810	895	950	535	510	915	1300	500	1170	294
#5	600	760	800	400	380	1300	1320	540	760	670	870	950	950	560	550	980	1380	550	1250	330
#5.25	630	800	840	415	400	1375	1390	570	805	700	910	980	1050	590	565	995	1410	550	1280	357
#5.5	660	840	880	430	420	1420	1460	590	830	730	950	1010	1050	620	580	1080	1510	600	1360	393
#5.75	690	875	920	445	438	1480	1525	620	860	760	985	1040	1100	650	595	1095	1540	600	1390	428
#6	730	915	960	485	458	1545	1590	650	895	785	1025	1100	1100	675	615	1165	1650	650	1480	462
#6.5	790	990	1040	515	495	1670	1730	700	970	850	1100	1160	1250	740	645	1245	1760	700	1590	535
#7	845	1065	1120	543	533	1790	1850	740	1050	920	1200	1250	1350	785	708	1303	1845	700	1675	608
#8	965	1220	1280	603	610	2060	2120	870	1190	1035	1355	1395	1500	900	793	1463	2065	800	1915	820
#9	1080	1370	1440	660	685	2305	2380	960	1345	1145	1505	1510	1700	1010	850	1520	2180	800	2030	1080
#10	1200	1525	1600	725	763	2530	2650	1050	1480	1285	1685	1635	1900	1125	910	1630	2355	850	2200	1470
#11	1320	1675	1760	810	838	2725	2910	1150	1575	1395	1835	1800	2100	1235	990	1740	2550	900	2370	2100
#12	1440	1830	1920	870	915	2975	3160	1240	1735	1490	1990	1920	2300	1330	1050	1900	2770	1000	2590	2450
#13	1560	1980	2080	930	990	3220	3440	1350	1870	1620	2140	2040	2500	1460	1110	2060	2990	1100	2810	2880
#14	1680	2135	2240	990	1068	3450	3710	1450	2000	1735	2295	2160	2700	1575	1170	2220	3210	1200	3030	3150

※상기 FAN 중량은 모터가 제외된 중량입니다. ※Motor weight was not included in the weight of the fan.

MOTOR BASE

MOTOR	1HP	2HP	3HP	5HP	7.5HP	10HP	15HP	20HP	25HP	30HP	40HP	50HP	60HP	75HP	100HP	125HP	150HP
G	400	400	450	450	500	500	600	600	650	650	700	700	800	800	900	950	1050

※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.

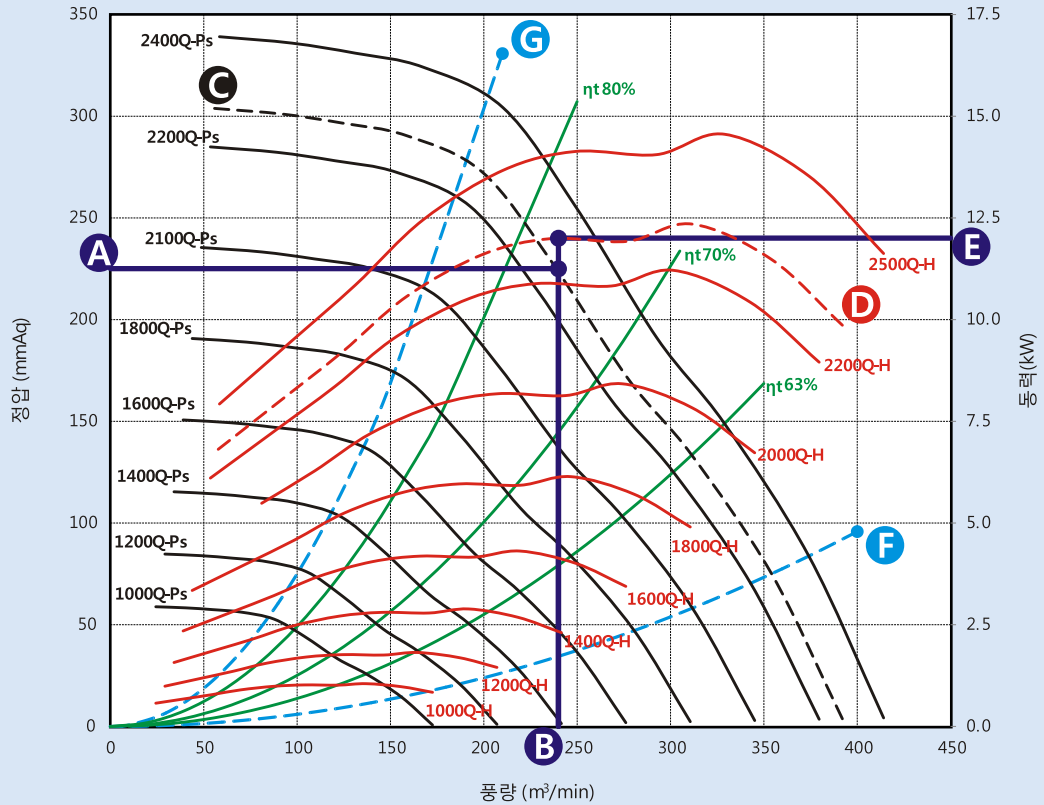
팬 선정 방법 예 Fan Selection Example

Impeller overhung on shaft type model name is "GAF-□□□ SS-O".

Impeller mounted on shaft between bearings type model name is "GAF-□□□ SS-C".



그래프 선정 방법



송풍기 사용점 선정방법

1. 요구되는 정압에 해당되는 수평선(A)을 긋는다.
2. 요구되는 풍량에 해당되는 수직선(B)을 긋는다.
3. 요구되는 정압(A) 및 풍량(B)의 교점의 예상회전수 및 예상 풍량압력곡선(C)을 구한다.
4. 예상 회전수에서의 예상동력곡선(D)을 추정한다.
5. 예상동력곡선과 만나는 요구 풍량 수직선의 교점을 동력선 좌표로 수평선(E)을 그린다.
6. 사용 권장 상한선(G)과 사용 권장 하한선(F)을 벗어나는 경우 효율적인 송풍기 운영을 위하여 송풍기 모델 및 기종을 변경하는 것이 바람직하다.

ex) 선정정압 (A) : 225 mmAq
 선정풍량 (B) : 240 m³/min
 선정 정압 및 풍량에 의하여 교점에서 만나는 풍량 압력곡선의 예상회전수(C)는 2272rpm 이다.
 2272 rpm에 해당되는 예상 동력곡선(D)을 그린 후 동력값(E)는 약 11.78kW이다.
 이때의 예상 전압효율은 약 76% 이다.

FAN DESIGN POINT SELECTION

1. Corresponding to the static pressure required horizontal line (A) always draw.
2. Draw a vertical line (B) that corresponds to the required air volume.
3. Calculate the estimated rotational speed and estimated air flow pressure curve (C) of the intersection point of the static pressure (A) and air flow rate (B) is required.
4. Estimates the estimated power curve (D) of the expected number of revolutions.
5. The expected power curve and the intersection of the vertical line corresponding to meet demand airflow to the power line coordinates to draw a horizontal line (E).
6. It is preferred to change the blower model and models for the efficient operation if it is not selected within a blower using the recommended upper limit (G) and using the recommended lower limit (F).

Examples) Selected static pressure(A) : 225 mmAq
 Selected airflow rate(B) : 240 m³/min
 Airflow pressure curve rotation is expected be selected static pressure and air flow (C), meet at the intersection of 2272rpm.
 After drawing the expected power curve (D) corresponding to 2272 rpm for horizontal movement by a power value to meet the in intersection of the vertical line and the air flow (E) is about 11.78kW.
 The total efficiency is expected at this point is estimated to be about 76%.

At this time, the selected power is the power consumption of a purely impeller.

Therefore, when considering the safety factor selected motor and drive loss must be selected and 115-125% larger than the minimum.

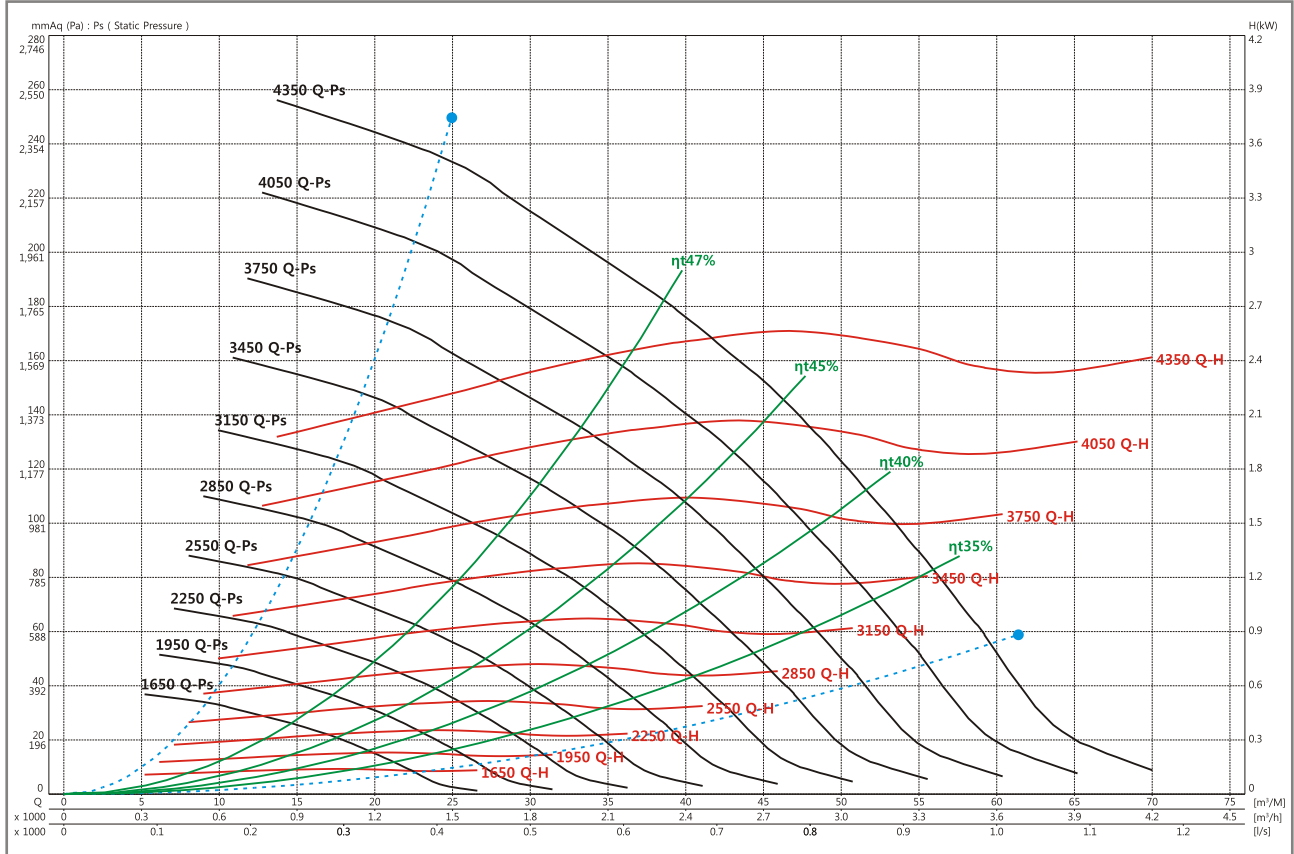
GAF-SS series

AIR FOIL FAN

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**GAF-2SS****FEG 56**

Wheel dia	304 mm	Tip Speed = 0.015917 * rpm	Outlet Dim'	240 * 305	Outlet Area	0.0732 m ²	Class 1	3769 rpm	Class 2	5026 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				30 mmAq (294 Pa)				40 mmAq (392 Pa)				50 mmAq (490 Pa)				60 mmAq (588 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
23	5.24	1896	0.21	39.3	76	2070	0.28	43.4	78	2227	0.34	46.0	80	2375	0.41	46.8	82	2517	0.48	47.3	83
26	5.92	2050	0.26	36.4	78	2220	0.34	41.0	80	2357	0.41	44.1	81	2517	0.50	45.3	83	2651	0.57	46.4	85
29	6.60	2228	0.32	33.4	80	2377	0.41	38.4	82	2500	0.48	41.9	83	2628	0.56	44.1	84	2761	0.65	45.3	86
32	7.29	2384	0.39	31.2	82	2522	0.48	36.4	83	2662	0.57	39.3	85	2795	0.67	41.9	86	2899	0.76	43.4	87
35	7.97	2554	0.48	28.8	84	2693	0.57	33.4	85	2819	0.67	37.4	86	2936	0.77	40.1	87	3057	0.88	41.9	88
38	8.65	2772	0.61	25.6	86	2862	0.68	32.3	87	2976	0.79	35.4	88	3076	0.88	38.4	89	3205	1.01	40.1	90
41	9.34	2907	0.70	24.3	87	3022	0.80	30.0	88	3151	0.92	33.4	89	3235	1.02	36.4	90	3362	1.15	38.4	91
44	10.02	3120	0.86	21.8	89	3210	0.95	26.8	90	3313	1.05	31.2	91	3422	1.19	34.4	92	3513	1.30	36.4	92
47	10.70	3303	1.02	20.7	91	3410	1.13	25.6	92	3472	1.21	30.0	92	3577	1.34	33.4	93	3656	1.46	35.4	93
50	11.38	3459	1.17	19.6	92	3556	1.28	24.3	93	3649	1.39	28.8	93	3758	1.54	31.2	94	3847	1.67	33.4	95
53	12.07	3654	1.39	17.7	94	3758	1.51	21.8	94	3853	1.63	26.8	95	3907	1.72	30.0	95	3991	1.85	32.3	96
56	12.75	3843	1.61	17.7	95	3951	1.75	21.8	95	3997	1.82	25.6	96	4086	1.96	28.8	96	4172	2.10	31.2	97

Air flow (m³/min)	Outlet Vel (m/sec)	70 mmAq (686 Pa)				80 mmAq (785 Pa)				90 mmAq (883 Pa)				100 mmAq (981 Pa)				110 mmAq (1079 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
23	5.24	2663	0.57	47.3	85	2794	0.65	47.1	86	2929	0.74	46.9	87	3036	0.81	46.5	88	3166	0.92	46.4	90
26	5.92	2761	0.64	47.2	86	2906	0.74	47.3	87	3020	0.83	47.3	88	3128	0.91	47.1	89	3257	1.02	47.0	90
29	6.60	2888	0.74	46.4	87	3004	0.83	46.8	88	3131	0.94	47.2	89	3250	1.04	47.3	90	3339	1.12	47.3	91
32	7.29	3010	0.85	45.3	88	3119	0.94	46.0	89	3247	1.06	46.4	90	3359	1.16	46.8	91	3462	1.26	47.2	92
35	7.97	3163	0.98	43.4	89	3254	1.07	44.7	90	3381	1.20	45.3	91	3483	1.31	46.0	92	3586	1.42	46.4	93
38	8.65	3307	1.11	41.9	91	3381	1.20	43.4	91	3506	1.34	44.1	92	3574	1.42	45.3	93	3675	1.54	45.8	93
41	9.34	3458	1.26	40.1	92	3536	1.36	41.9	92	3644	1.50	42.7	93	3712	1.59	44.1	93	3816	1.73	44.7	94
44	10.02	3609	1.42	38.4	93	3710	1.56	40.1	94	3774	1.66	41.9	94	3862	1.78	42.7	95	3965	1.93	43.4	95
47	10.70	3752	1.59	37.4	94	3855	1.73	38.4	95	3939	1.87	40.1	95	4031	2.01	41.0	96	4102	2.13	41.9	96
50	11.38	3937	1.82	35.4	95	3992	1.92	37.4	96	4100	2.09	38.4	96	4156	2.19	40.1	97	4251	2.36	41.0	97
53	12.07	4078	2.00	34.4	96	4176	2.17	35.4	97	4231	2.28	37.4	97	4341	2.48	38.4	98				
56	12.75	4261	2.25	32.3	97	4333	2.41	34.4	98												

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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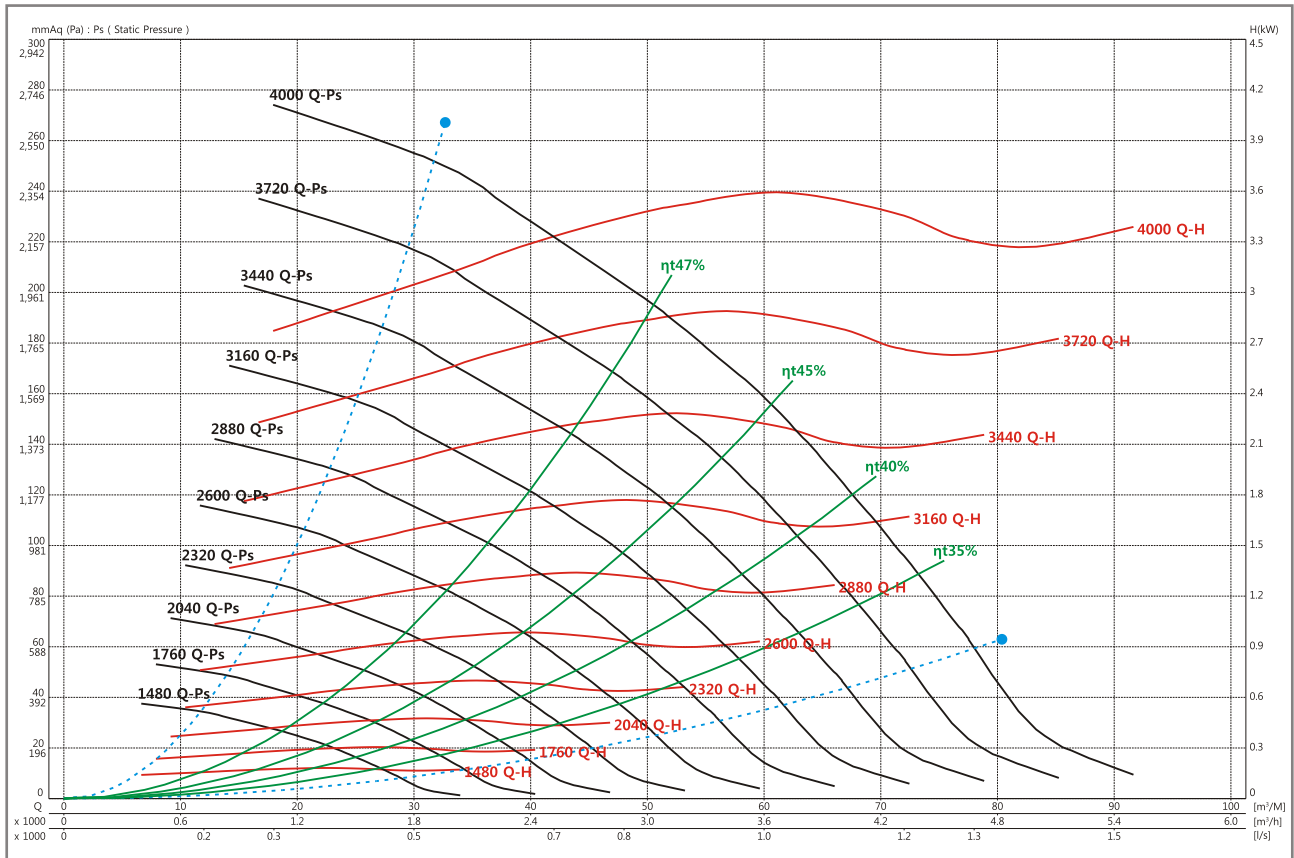


AIR FOIL FAN
GAF-SS series

GAF-2.25SS

FEG 56

Wheel dia	342 mm	Tip Speed = 0.017907 * rpm	Outlet Dim'	270 * 345	Outlet Area	0.0932 m ²	Class 1	3351 rpm	Class 2	4468 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				35 mmAq (343 Pa)				50 mmAq (490 Pa)				65 mmAq (637 Pa)				80 mmAq (785 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
20	3.58					1674	0.25	47.3	76	1908	0.36	46.5	79	2111	0.48	45.6	82	2299	0.60	44.8	84
25	4.47	1535	0.20	42.7	73	1800	0.32	46.4	78	2002	0.43	47.3	81	2225	0.59	47.0	84	2400	0.72	46.4	86
30	5.37	1725	0.28	38.4	77	1946	0.41	44.1	80	2151	0.55	46.4	83	2329	0.69	47.3	85	2514	0.86	47.3	87
35	6.26	1912	0.37	34.4	80	2110	0.52	41.0	82	2287	0.67	44.7	84	2453	0.82	46.4	86	2624	0.99	47.2	88
40	7.16	2112	0.49	31.2	82	2282	0.65	38.4	84	2454	0.82	42.7	86	2607	0.99	44.7	88	2772	1.19	46.0	89
45	8.05	2306	0.63	28.8	85	2475	0.81	35.4	86	2629	1.00	40.1	88	2768	1.18	42.7	89	2917	1.39	44.7	91
50	8.95	2503	0.81	25.6	87	2672	1.00	32.3	89	2804	1.20	37.4	90	2962	1.43	40.1	91	3071	1.61	42.7	92
55	9.84	2739	1.05	21.8	89	2878	1.24	30.0	91	3005	1.45	34.4	92	3126	1.67	38.4	93	3257	1.91	41.0	94
60	10.74	2936	1.29	20.7	91	3075	1.50	26.8	92	3207	1.73	32.3	94	3321	1.98	36.4	94	3451	2.24	38.4	96
65	11.63	3147	1.59	19.6	93	3274	1.80	25.6	94	3401	2.04	30.0	95	3512	2.31	34.4	96	3638	2.60	36.4	97
70	12.52	3368	1.95	17.7	95	3488	2.17	23.6	96	3587	2.39	28.8	97	3702	2.66	32.3	97	3823	2.98	34.4	98
75	13.42	3559	2.31	17.0	97	3714	2.62	21.8	97	3819	2.87	26.8	98	3924	3.14	30.0	99				

Air flow (m³/min)	Outlet Vel (m/sec)	95 mmAq (932 Pa)				110 mmAq (1079 Pa)				125 mmAq (1226 Pa)				140 mmAq (1373 Pa)				155 mmAq (1520 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
20	3.58	2471	0.73	43.5	86																
25	4.47	2574	0.87	45.8	87	2711	0.99	45.0	89	2867	1.17	44.6	90	3000	1.31	43.5	92	3146	1.51	43.0	93
30	5.37	2675	1.01	46.9	88	2830	1.18	46.5	90	2968	1.35	46.0	91	3108	1.53	45.6	93	3236	1.70	45.2	94
35	6.26	2776	1.16	47.3	89	2948	1.38	47.3	91	3086	1.56	47.0	92	3211	1.74	46.7	93	3341	1.94	46.4	95
40	7.16	2910	1.36	46.8	91	3064	1.58	47.2	92	3184	1.75	47.3	93	3326	1.98	47.3	94	3448	2.19	47.1	95
45	8.05	3057	1.60	45.5	92	3191	1.81	46.4	93	3327	2.03	46.9	94	3448	2.25	47.2	95	3563	2.46	47.4	96
50	8.95	3211	1.85	44.1	93	3323	2.06	45.3	94	3465	2.33	46.0	95	3583	2.56	46.5	96	3700	2.80	46.9	97
55	9.84	3372	2.14	42.7	95	3497	2.39	43.6	96	3616	2.65	44.7	96	3725	2.90	45.5	97	3841	3.17	46.1	98
60	10.74	3552	2.48	41.0	96	3676	2.76	41.9	97	3757	2.97	43.4	97	3881	3.28	44.3	98	3968	3.51	45.1	99
65	11.63	3743	2.86	38.4	98	3847	3.14	40.1	98	3929	3.37	41.9	99								
70	12.52	3924	3.27	36.4	99	4000	3.49	38.4	99												
75	13.42																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015Jan-R10.0

GAF-SS series

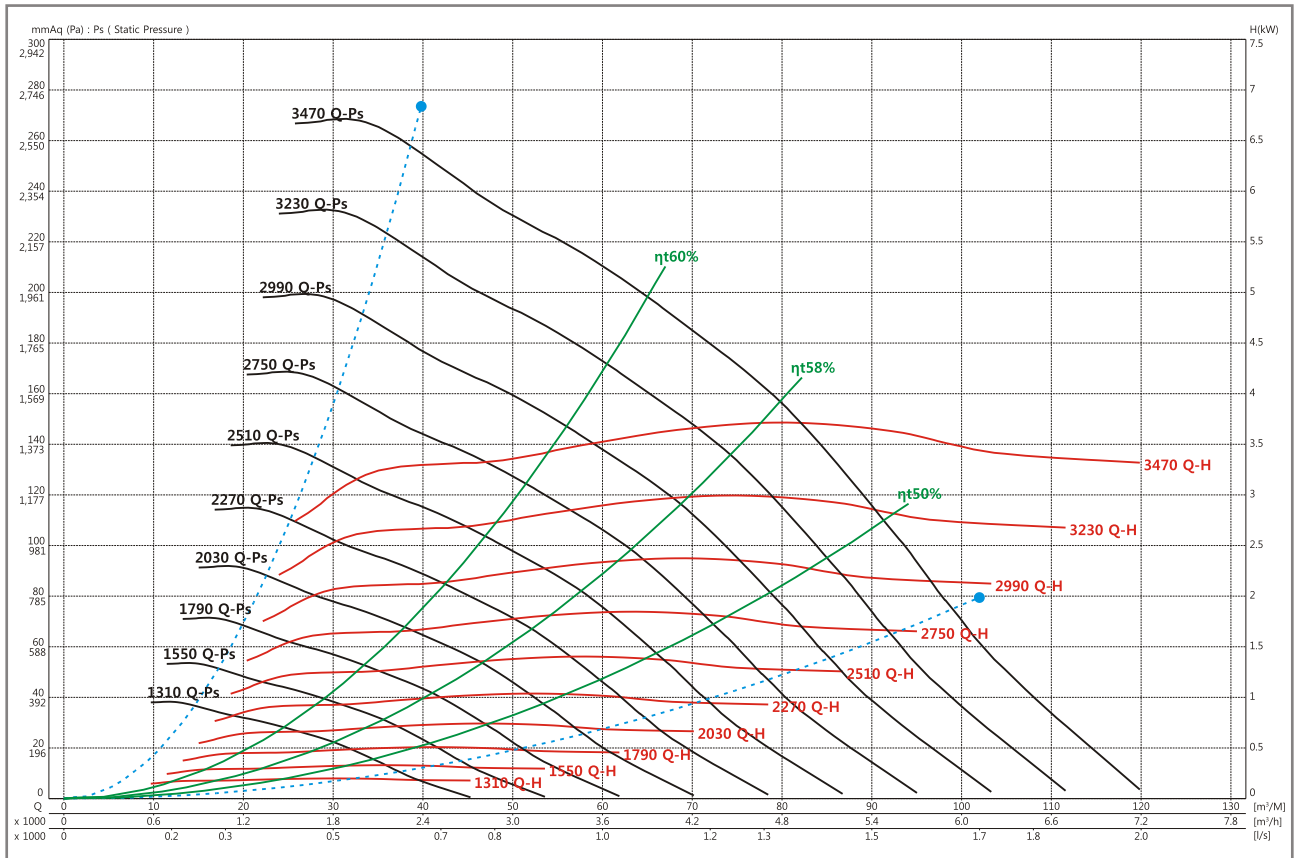
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GAF-2.5SS

FEG 63

Wheel dia	381 mm	Tip Speed = 0.019949 * rpm	Outlet Dim'	300 * 380	Outlet Area	0.1140 m ²	Class 1	3008 rpm	Class 2	4010 rpm	Not Applicable
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Air flow (m ³ /min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
35	5.12	1391	0.24	52.3	65	1657	0.40	59.4	73	1897	0.58	60.0	81	2115	0.79	59.2	84	2314	1.01	57.9	86
40	5.85	1501	0.29	48.9	69	1744	0.47	58.1	71	1984	0.68	59.7	80	2184	0.89	60.0	84	2372	1.12	59.4	86
45	6.58	1639	0.38	44.7	72	1864	0.57	55.3	73	2072	0.79	59.0	78	2261	1.01	59.8	84	2449	1.26	60.0	87
50	7.31	1755	0.45	41.7	74	1983	0.68	52.3	76	2171	0.91	57.5	76	2344	1.14	59.4	82	2527	1.41	59.8	87
55	8.04	1886	0.56	38.5	76	2092	0.80	50.0	78	2280	1.05	55.3	78	2448	1.30	58.3	80	2619	1.58	59.4	85
60	8.77	2032	0.69	35.5	79	2220	0.94	46.3	80	2383	1.19	53.5	80	2551	1.47	56.8	81	2696	1.74	58.8	84
65	9.50	2148	0.81	33.9	80	2340	1.09	44.7	81	2516	1.39	50.5	82	2648	1.64	55.0	82	2802	1.95	57.5	83
70	10.23	2293	0.98	31.3	82	2482	1.29	41.7	83	2625	1.57	48.9	84	2779	1.89	52.7	84	2906	2.18	56.2	84
75	10.96	2415	1.14	29.7	84	2605	1.47	39.8	85	2745	1.78	46.3	85	2899	2.13	50.5	86	3029	2.45	53.9	86
80	11.70	2541	1.33	28.0	85	2743	1.70	37.2	86	2879	2.03	44.3	87	3002	2.35	48.9	87	3135	2.71	52.3	88
85	12.43	2689	1.57	26.4	87	2878	1.96	35.5	88	3019	2.31	41.7	88	3142	2.67	46.7	89	3251	3.00	50.5	89
90	13.16	2824	1.81	25.4	88	3009	2.23	33.9	89	3149	2.61	40.3	90	3278	3.01	44.7	90	3375	3.34	48.6	91

Air flow (m ³ /min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
35	5.12	2488	1.23	56.0	88	2652	1.48	54.9	89	2801	1.74	53.2	90	2945	2.02	52.0	92	3068	2.27	50.3	93
40	5.85	2546	1.35	58.3	88	2713	1.61	57.0	90	2872	1.89	56.0	91	3014	2.18	54.9	92	3141	2.46	53.5	93
45	6.58	2613	1.50	59.6	89	2781	1.79	59.0	90	2927	2.04	57.9	91	3076	2.34	57.0	93	3211	2.65	56.0	94
50	7.31	2686	1.66	60.0	89	2849	1.96	59.8	90	3000	2.26	59.4	92	3133	2.54	58.6	93	3273	2.86	57.9	94
55	8.04	2769	1.85	59.8	89	2930	2.17	60.0	91	3064	2.45	59.9	92	3201	2.76	59.6	93	3336	3.10	59.2	94
60	8.77	2858	2.06	59.5	87	3004	2.37	59.8	90	3145	2.69	60.0	92	3278	3.02	60.0	93	3405	3.35	59.8	95
65	9.50	2943	2.26	58.8	86	3088	2.60	59.5	89	3226	2.94	59.7	92	3349	3.26	59.9	94	3470	3.59	60.0	95
70	10.23	3046	2.51	57.7	85	3170	2.82	59.0	88	3315	3.22	59.4	91	3436	3.56	59.7	93				
75	10.96	3144	2.76	56.5	86	3264	3.09	58.0	87	3396	3.48	58.8	90								
80	11.70	3252	3.04	55.0	88	3378	3.42	56.8	89												
85	12.43	3371	3.38	53.5	89	3470	3.70	55.3	90												
90	13.16																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015Jan-R10.0

GAF-SS series

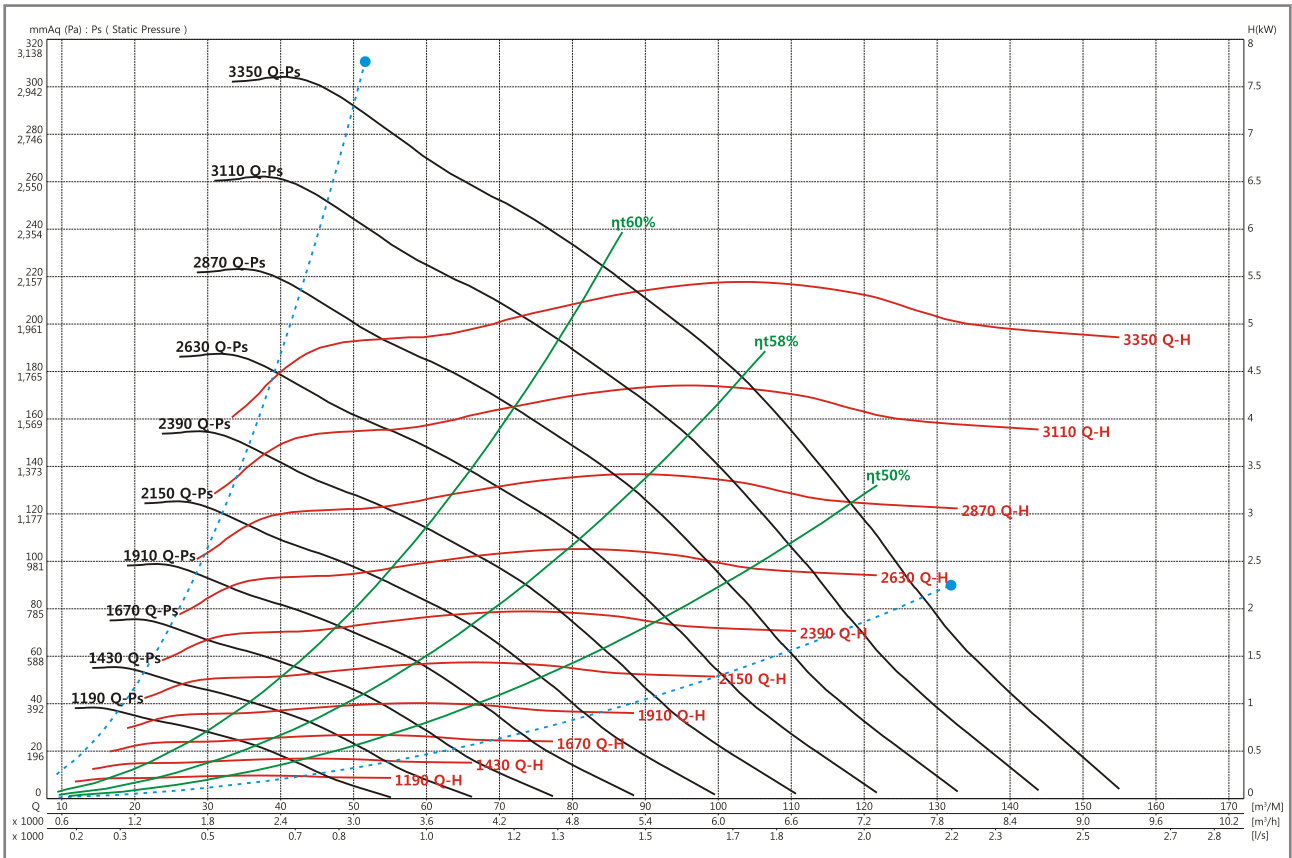
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GAF-2.75SS

FEG 63

Wheel dia	420 mm	Tip Speed = 0.021991 * rpm	Outlet Dim'	330 * 420	Outlet Area	0.1386 m ²	Class 1	2728 rpm	Class 2	3638 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)					40 mmAq (392 Pa)					60 mmAq (588 Pa)					80 mmAq (785 Pa)					100 mmAq (981 Pa)				
		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL	
		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)	
45	5.41	1306	0.32	51.0	67	1534	0.52	59.0	72	1747	0.75	60.0	82	1941	1.00	59.7	85	2118	1.27	58.6	87					
52	6.25	1436	0.41	46.3	71	1646	0.64	56.5	71	1842	0.90	59.4	80	2017	1.15	60.0	85	2191	1.45	59.9	87					
59	7.09	1565	0.53	43.1	74	1754	0.77	53.5	75	1932	1.04	58.1	77	2115	1.36	59.5	83	2269	1.65	59.9	87					
66	7.94	1711	0.68	38.5	77	1879	0.94	50.0	78	2047	1.24	55.6	79	2207	1.55	58.5	81	2363	1.89	59.5	86					
73	8.78	1846	0.84	35.5	79	2016	1.15	46.3	80	2164	1.45	53.5	81	2314	1.79	56.8	81	2449	2.12	58.8	84					
80	9.62	1976	1.02	32.9	81	2150	1.37	43.5	82	2284	1.69	50.5	83	2424	2.05	55.0	83	2551	2.40	57.3	84					
87	10.46	2117	1.25	30.7	83	2277	1.61	41.3	84	2418	1.99	47.7	85	2544	2.35	52.3	85	2673	2.75	55.3	85					
94	11.30	2249	1.50	28.6	85	2419	1.91	38.5	86	2556	2.32	45.1	87	2667	2.69	50.0	87	2785	3.10	53.3	87					
101	12.15	2390	1.79	27.0	87	2553	2.23	36.6	87	2682	2.66	43.1	88	2792	3.07	47.7	89	2920	3.55	51.0	89					
108	12.99	2527	2.12	25.4	88	2697	2.61	33.9	89	2826	3.07	40.3	90	2940	3.54	45.1	90	3044	3.99	48.9	91					
115	13.83	2667	2.48	24.3	90	2822	2.98	32.9	91	2963	3.51	38.5	91	3081	4.03	43.1	92	3172	4.48	46.7	92					
122	14.67	2798	2.87	23.8	91	2970	3.46	30.7	92	3098	3.99	36.6	93	3203	4.49	41.3	93	3311	5.06	45.1	93					

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)					140 mmAq (1373 Pa)					160 mmAq (1569 Pa)					180 mmAq (1765 Pa)					200 mmAq (1961 Pa)				
		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL		rpm	BkW	η _t	SPL	
		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)	
45	5.41	2278	1.55	57.0	89	2433	1.87	55.7	90	2563	2.17	54.2	91	2695	2.52	53.2	93	2816	2.87	52.0	94					
52	6.25	2344	1.75	59.2	89	2495	2.07	58.3	91	2633	2.39	57.0	92	2764	2.74	56.0	93	2882	3.10	54.9	94					
59	7.09	2417	1.96	60.0	89	2561	2.30	59.6	91	2700	2.66	59.0	93	2829	3.02	58.3	94	2952	3.39	57.4	95					
66	7.94	2510	2.24	59.8	89	2637	2.57	60.0	91	2772	2.95	59.9	93	2895	3.32	59.5	94	3018	3.72	59.0	95					
73	8.78	2592	2.50	59.5	88	2725	2.88	59.8	91	2853	3.27	60.0	93	2973	3.66	60.0	94	3089	4.07	59.8	95					
80	9.62	2682	2.79	58.8	87	2813	3.20	59.4	90	2939	3.62	59.7	92	3061	4.07	59.9	94	3170	4.48	60.0	95					
87	10.46	2785	3.12	57.5	86	2911	3.57	58.6	88	3022	3.97	59.3	91	3146	4.46	59.6	93	3257	4.92	59.8	95					
94	11.30	2908	3.55	55.6	88	3008	3.94	57.5	88	3121	4.40	58.5	90	3238	4.90	59.1	92	3347	5.39	59.5	94					
101	12.15	3017	3.94	53.9	89	3127	4.41	55.8	89	3221	4.84	57.5	90	3331	5.35	58.3	91									
108	12.99	3142	4.43	51.9	91	3247	4.92	53.9	91	3342	5.39	55.8	91													
115	13.83	3262	4.93	50.0	92																					
122	14.67																									

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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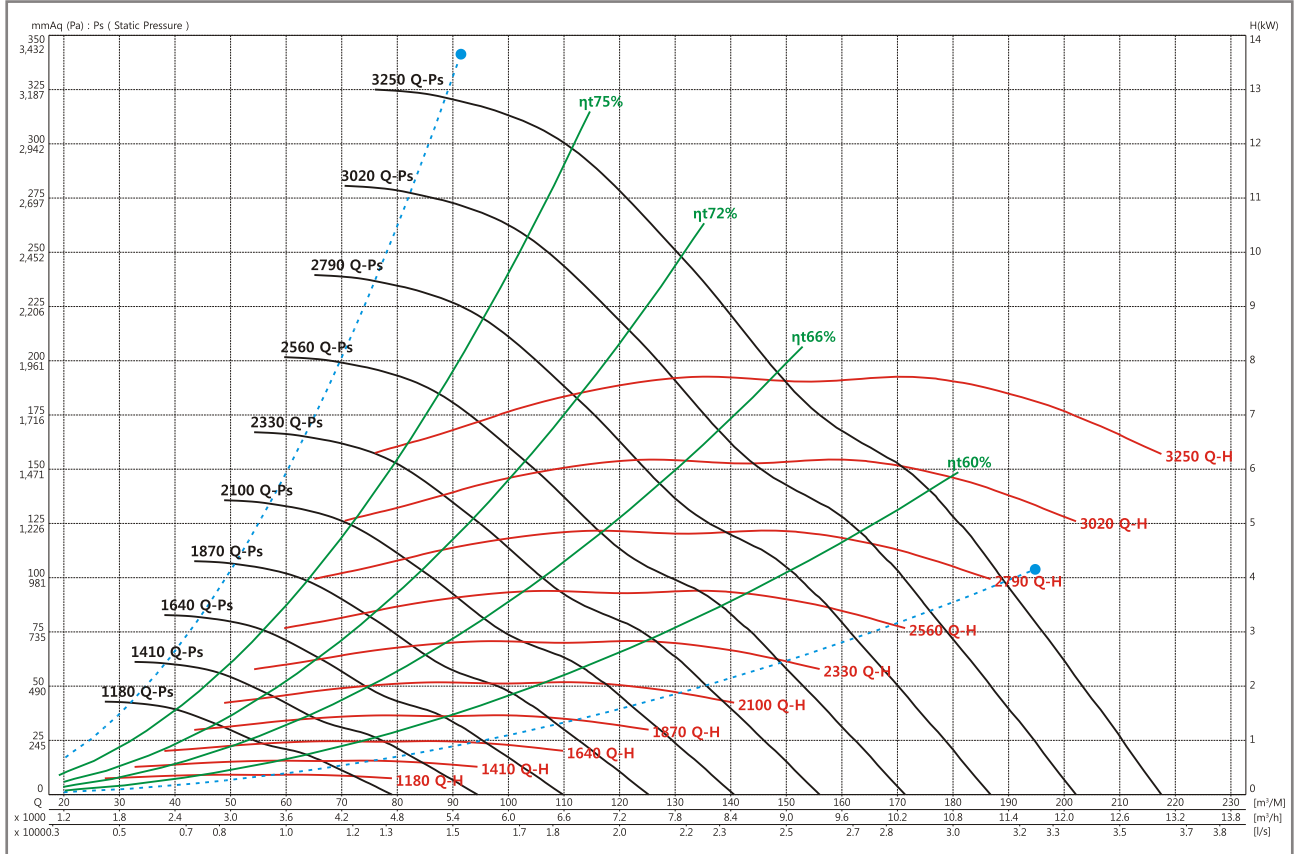
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GAF-3SS

FEG 80

Wheel dia	457 mm	Tip Speed = 0.023929 * rpm	Outlet Dim'	360 * 455	Outlet Area	0.1638 m ²	Class 1	2507 rpm	Class 2	3343 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
50	5.09					1375	0.57	74.6	68	1595	0.84	74.1	71	1816	1.17	71.1	74				
60	6.11	1243	0.43	63.2	67	1471	0.71	71.6	70	1666	1.00	74.9	73	1855	1.34	74.8	75	2040	1.70	72.6	77
70	7.12	1333	0.53	61.2	69	1593	0.90	67.9	73	1771	1.24	72.4	75	1937	1.59	74.7	77	2094	1.95	75.2	79
80	8.14	1446	0.67	57.1	72	1706	1.10	64.4	75	1876	1.47	69.7	78	2036	1.88	72.6	79	2174	2.25	74.6	81
90	9.16	1567	0.84	53.2	74	1801	1.30	62.6	77	1994	1.76	66.8	80	2145	2.21	70.2	81	2280	2.64	72.6	82
100	10.18	1707	1.06	48.8	76	1888	1.51	61.2	79	2110	2.08	64.0	82	2253	2.55	67.9	83	2382	3.03	70.5	84
110	11.19	1837	1.31	45.5	79	2009	1.80	58.1	81	2206	2.39	62.6	83	2369	2.95	65.4	84	2506	3.51	68.1	86
120	12.21	1966	1.58	42.7	81	2119	2.09	55.4	82	2286	2.68	61.6	84	2481	3.39	63.3	86	2624	4.01	65.8	87
130	13.23	2110	1.92	39.6	83	2259	2.50	52.2	84	2399	3.08	59.4	85	2565	3.77	62.5	87	2733	4.52	64.0	88
140	14.25	2243	2.28	37.6	84	2387	2.92	49.8	85	2520	3.54	56.9	87	2659	4.22	61.4	88	2820	4.99	62.9	89
150	15.26	2391	2.74	35.6	86	2515	3.38	47.1	87	2640	4.03	54.1	88	2765	4.72	59.7	89	2909	5.52	62.1	90
160	16.28	2519	3.18	34.3	87	2658	3.94	44.4	88	2776	4.64	51.8	89	2886	5.33	57.3	90	3006	6.09	61.0	91

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
50	5.09																				
60	6.11	2210	2.10	70.7	79																
70	7.12	2256	2.37	74.1	81	2412	2.80	72.3	82	2566	3.29	70.7	83								
80	8.14	2319	2.68	75.3	82	2454	3.10	74.8	83	2599	3.61	73.8	84	2737	4.11	72.6	85	2871	4.63	71.1	86
90	9.16	2410	3.08	74.1	83	2536	3.54	75.0	84	2656	4.00	75.2	85	2783	4.53	74.8	86	2908	5.07	73.9	87
100	10.18	2505	3.51	72.4	85	2624	3.99	73.7	86	2740	4.50	74.7	87	2848	4.99	75.2	87	2961	5.54	75.2	88
110	11.19	2618	4.02	70.5	86	2732	4.56	71.9	87	2841	5.10	73.2	88	2945	5.63	74.2	89	3041	6.14	74.9	89
120	12.21	2737	4.58	68.3	88	2842	5.15	70.2	89	2943	5.71	71.6	89	3047	6.31	72.7	90	3140	6.86	73.7	91
130	13.23	2850	5.15	66.4	89	2961	5.80	68.1	90	3054	6.39	69.9	91	3154	7.04	71.2	91	3249	7.68	72.2	92
140	14.25	2965	5.78	64.4	90	3072	6.45	66.4	91	3169	7.12	68.1	92								
150	15.26	3062	6.39	63.1	91	3187	7.19	64.5	92												
160	16.28	3152	7.01	62.3	92																

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

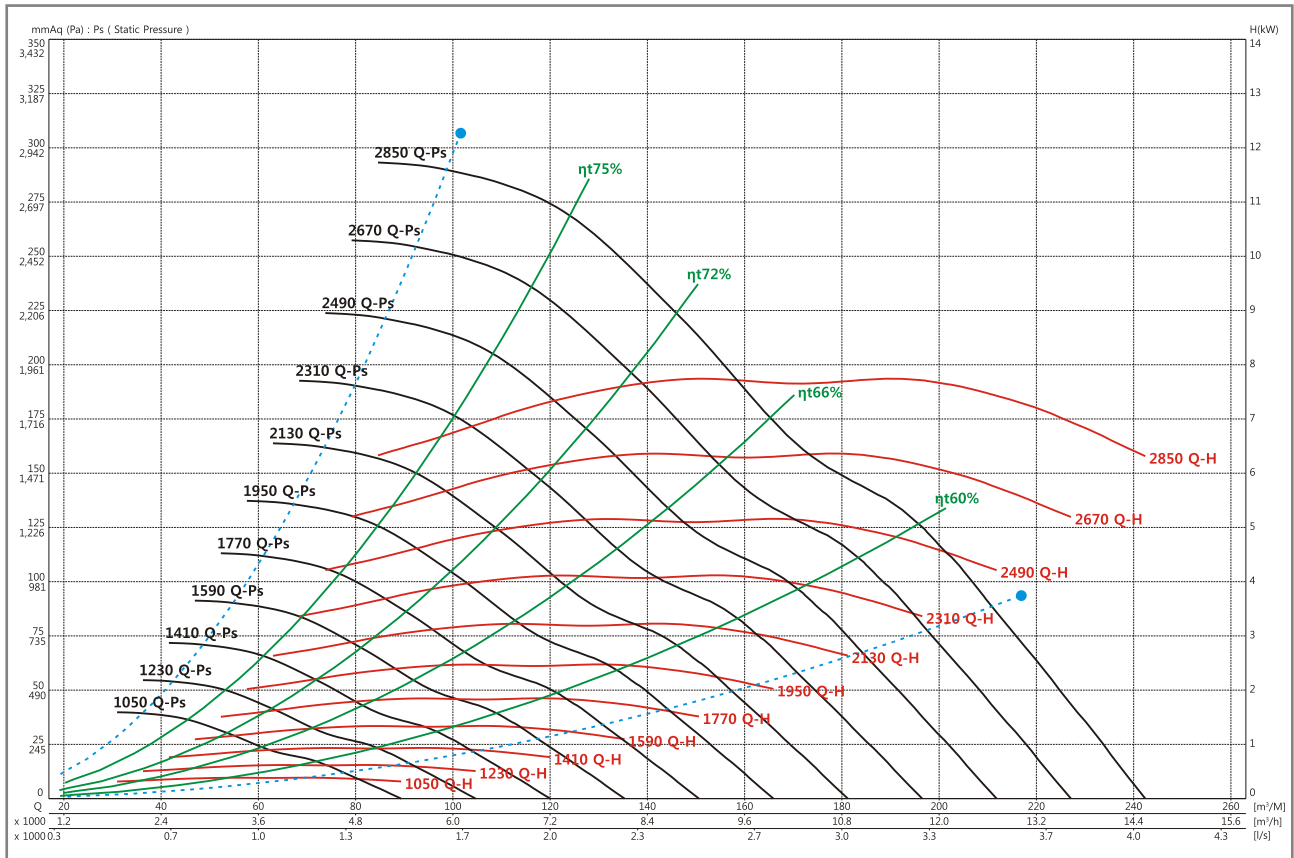
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GAF-3.25SS

FEG 80

Wheel dia	495 mm	Tip Speed = 0.025918 * rpm	Outlet Dim'	390 * 495	Outlet Area	0.1931 m ²	Class 1	2315 rpm	Class 2	3087 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
70	6.04	1142	0.49	63.7	67	1359	0.83	71.6	71	1537	1.17	74.9	73	1713	1.57	74.8	75	1884	1.99	72.6	78
80	6.91	1209	0.59	61.9	69	1447	1.01	68.7	73	1614	1.39	73.0	75	1770	1.79	75.0	77	1919	2.21	74.9	79
90	7.77	1297	0.72	58.5	71	1543	1.21	65.4	75	1698	1.63	70.6	77	1847	2.08	73.4	79	1979	2.50	75.0	80
100	8.63	1389	0.88	55.0	73	1625	1.42	63.2	77	1792	1.91	68.1	79	1927	2.38	71.4	80	2061	2.89	73.5	82
110	9.50	1492	1.07	51.4	75	1693	1.62	62.1	78	1884	2.21	65.8	81	2020	2.74	69.3	82	2140	3.26	71.8	83
120	10.36	1598	1.29	47.7	77	1766	1.84	60.8	79	1968	2.52	63.7	82	2114	3.13	67.1	84	2229	3.69	69.9	85
130	11.22	1702	1.55	45.5	79	1856	2.11	58.1	81	2037	2.81	62.6	83	2204	3.53	65.0	85	2322	4.16	67.9	86
140	12.09	1807	1.83	42.7	81	1957	2.45	55.4	82	2104	3.11	61.7	84	2280	3.92	63.6	86	2414	4.65	66.0	87
150	12.95	1916	2.16	40.8	82	2055	2.82	53.2	84	2187	3.48	60.1	85	2352	4.32	62.6	87	2501	5.17	64.3	88
160	13.81	2030	2.53	38.2	84	2160	3.23	50.3	85	2281	3.93	58.1	86	2419	4.73	61.9	88	2575	5.65	63.2	89
170	14.68	2138	2.93	36.3	86	2265	3.70	48.2	87	2378	4.41	55.8	88	2499	5.21	60.6	89	2643	6.15	62.5	90
180	15.54	2245	3.38	35.6	87	2370	4.19	46.0	88	2479	4.96	53.6	89	2588	5.75	58.7	90	2716	6.70	61.7	91

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
70	6.04																				
80	6.91	2074	2.71	73.5	81	2223	3.22	71.6	82												
90	7.77	2118	3.01	75.2	82	2254	3.54	74.3	83	2388	4.10	73.1	84	2518	4.68	71.4	85				
100	8.63	2179	3.36	74.9	83	2303	3.90	75.3	84	2422	4.45	74.8	85	2547	5.08	73.9	86	2666	5.68	72.8	87
110	9.50	2261	3.82	73.4	84	2370	4.34	74.7	85	2480	4.91	75.2	86	2587	5.48	75.1	87	2702	6.15	74.5	88
120	10.36	2343	4.29	71.8	86	2449	4.85	73.4	86	2549	5.42	74.4	87	2653	6.05	75.0	88	2753	6.68	75.3	89
130	11.22	2430	4.79	70.2	87	2532	5.41	71.8	88	2629	6.02	73.2	88	2725	6.65	74.1	89	2820	7.31	74.8	90
140	12.09	2515	5.29	68.5	88	2618	5.99	70.3	89	2713	6.67	71.6	90	2804	7.32	72.9	90				
150	12.95	2608	5.88	66.8	89	2708	6.62	68.7	90	2800	7.34	70.3	91								
160	13.81	2701	6.51	65.0	90	2798	7.27	67.1	91												
170	14.68	2783	7.13	63.7	91																
180	15.54	2850	7.69	62.8	92																

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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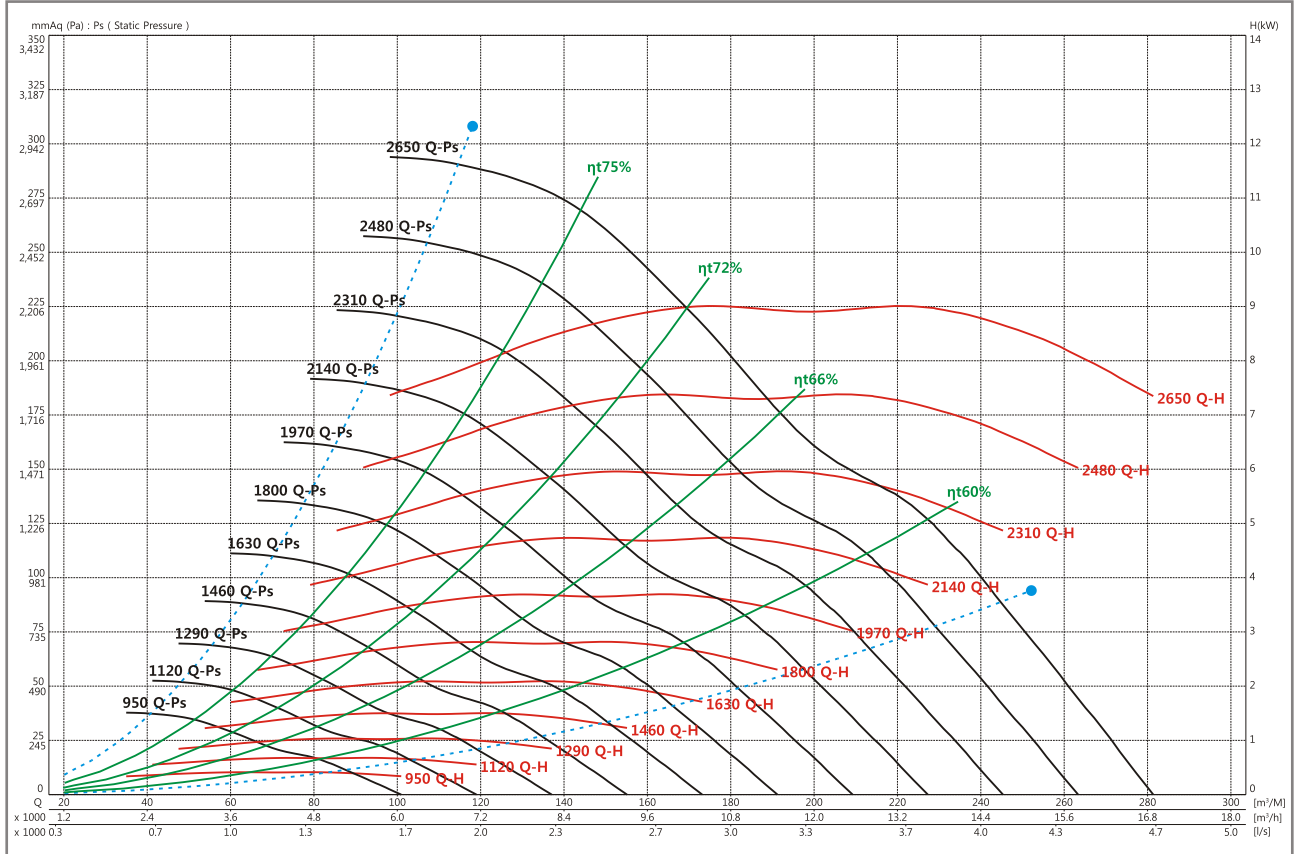
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GAF-3.5SS

FEG 80

Wheel dia	533 mm	Tip Speed = 0.027908 * rpm	Outlet Dim'	420 * 535	Outlet Area	0.2247 m ²	Class 1	2150 rpm	Class 2	2867 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
90	6.68	1110	0.66	62.1	69	1326	1.12	69.2	73	1485	1.56	73.4	75	1628	2.00	75.2	77	1775	2.52	74.6	79
100	7.42	1170	0.77	60.1	70	1396	1.30	66.8	74	1545	1.78	71.6	76	1687	2.28	74.1	78	1815	2.77	75.3	80
110	8.16	1249	0.93	56.9	72	1471	1.52	64.3	76	1619	2.05	69.6	78	1754	2.59	72.4	80	1871	3.10	74.4	81
120	8.90	1329	1.11	53.6	74	1528	1.71	62.9	77	1695	2.34	67.2	80	1816	2.89	70.9	81	1935	3.47	73.0	82
130	9.64	1409	1.30	50.3	76	1586	1.93	61.9	78	1767	2.64	65.2	81	1890	3.25	68.9	83	2003	3.88	71.4	84
140	10.38	1494	1.53	47.7	77	1649	2.16	60.3	80	1832	2.94	63.6	82	1965	3.64	67.1	84	2072	4.29	69.9	85
150	11.13	1575	1.78	45.5	79	1723	2.45	58.1	81	1891	3.25	62.6	83	2039	4.05	65.2	85	2148	4.77	68.1	86
160	11.87	1662	2.06	43.2	81	1799	2.76	55.8	82	1942	3.54	61.9	84	2107	4.47	63.7	86	2219	5.24	66.5	87
170	12.61	1748	2.38	41.5	82	1879	3.13	53.6	84	2004	3.88	60.8	85	2161	4.85	62.9	87	2291	5.76	65.0	88
180	13.35	1830	2.71	39.6	83	1958	3.51	51.4	85	2075	4.30	59.1	86	2216	5.25	62.2	88	2359	6.29	63.7	89
190	14.09	1920	3.09	37.6	85	2042	3.94	49.3	86	2154	4.77	57.1	87	2276	5.70	61.4	89	2416	6.77	62.9	90
200	14.83	2014	3.54	36.3	86	2122	4.39	47.7	87	2227	5.25	55.4	88	2341	6.19	60.1	89	2471	7.29	62.3	90

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
90	6.68	1919	3.07	73.0	80	2059	3.68	71.1	82												
100	7.42	1948	3.35	74.8	81	2080	3.96	73.5	83	2208	4.62	72.1	84								
110	8.16	1991	3.67	75.2	82	2110	4.28	75.0	84	2230	4.93	73.9	85	2348	5.62	72.8	86	2464	6.36	71.4	87
120	8.90	2050	4.08	74.4	84	2156	4.67	75.2	85	2265	5.32	75.1	86	2375	6.02	74.4	87	2486	6.78	73.5	88
130	9.64	2110	4.50	73.2	85	2214	5.14	74.4	86	2317	5.82	75.1	87	2415	6.50	75.2	88	2515	7.22	74.8	88
140	10.38	2177	4.98	71.8	86	2279	5.67	73.2	87	2371	6.33	74.3	88	2465	7.04	75.0	88	2560	7.79	75.3	89
150	11.13	2250	5.50	70.3	87	2346	6.23	71.9	88	2436	6.94	73.2	89	2528	7.69	74.1	89	2612	8.40	74.9	90
160	11.87	2318	6.01	68.9	88	2413	6.80	70.6	89	2503	7.57	71.9	90	2591	8.35	73.1	90				
170	12.61	2396	6.61	67.2	89	2488	7.44	69.2	90	2568	8.20	70.9	91								
180	13.35	2465	7.18	65.8	90	2556	8.04	67.9	91	2640	8.90	69.6	91								
190	14.09	2539	7.83	64.4	91	2632	8.75	66.4	92												
200	14.83	2602	8.45	63.4	92																

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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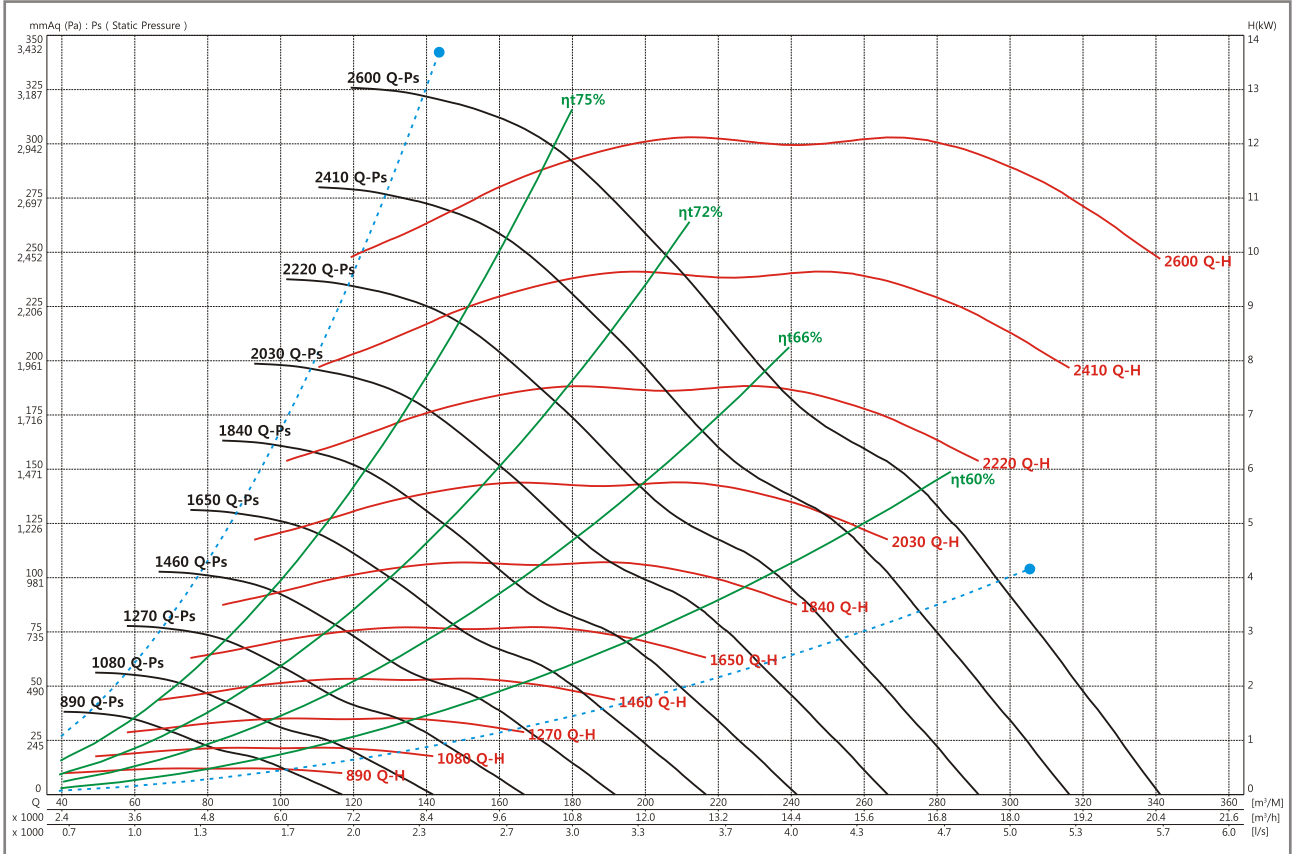
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GAF-3.75SS

FEG 80

Wheel dia	572 mm	Tip Speed = 0.02995 * rpm	Outlet Dim'	450 * 570	Outlet Area	0.2565 m ²	Class 1	2003 rpm	Class 2	2671 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
95	6.17	996	0.67	63.2	67	1182	1.13	71.4	71	1340	1.61	74.7	74	1485	2.12	74.9	76	1634	2.70	73.1	78
110	7.15	1066	0.83	61.2	70	1273	1.41	67.9	74	1415	1.94	72.4	76	1548	2.48	74.7	78	1673	3.05	75.2	79
125	8.12	1152	1.04	57.1	72	1360	1.71	64.8	76	1498	2.31	69.7	78	1624	2.93	72.7	80	1737	3.52	74.6	81
140	9.10	1246	1.29	53.2	74	1435	2.02	62.7	78	1591	2.75	66.8	80	1704	3.40	70.5	81	1817	4.10	72.6	83
155	10.07	1348	1.62	49.8	77	1502	2.33	61.4	79	1677	3.21	64.3	82	1794	3.95	68.1	83	1896	4.69	70.6	85
170	11.05	1450	1.98	46.0	79	1586	2.73	58.7	81	1748	3.65	62.8	83	1883	4.55	65.6	85	1984	5.36	68.5	86
185	12.02	1550	2.38	43.2	81	1680	3.20	55.8	83	1814	4.10	61.8	84	1966	5.18	63.7	86	2074	6.09	66.4	88
200	13.00	1656	2.87	40.8	83	1775	3.74	52.9	84	1891	4.64	60.1	86	2035	5.77	62.6	88	2160	6.86	64.4	89
215	13.97	1767	3.44	38.2	85	1879	4.38	49.8	86	1981	5.30	57.8	87	2103	6.40	61.7	89	2238	7.65	63.0	90
230	14.94	1873	4.06	36.3	86	1976	5.05	47.7	87	2074	6.02	55.4	89	2179	7.11	60.3	90	2301	8.37	62.3	91
245	15.92	1978	4.75	35.0	88	2078	5.81	45.5	89	2174	6.88	52.9	90	2271	8.00	58.1	91	2371	9.18	61.4	92
260	16.89	2087	5.53	33.6	89	2186	6.70	43.2	90	2278	7.83	50.5	91	2362	8.93	56.0	92	2452	10.1	59.9	93

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
95	6.17	1775	3.34	70.7	80																
110	7.15	1802	3.71	74.1	81	1929	4.41	72.6	83	2050	5.15	70.7	84								
125	8.12	1848	4.16	75.3	82	1961	4.86	74.8	84	2076	5.64	73.7	85	2187	6.44	72.6	86	2294	7.26	71.1	87
140	9.10	1920	4.78	74.2	84	2020	5.48	75.1	85	2117	6.20	75.2	86	2219	7.03	74.6	87	2321	7.90	73.7	88
155	10.07	1996	5.44	72.6	86	2089	6.18	73.9	87	2182	6.97	74.8	87	2269	7.73	75.3	88	2361	8.61	75.1	89
170	11.05	2079	6.18	70.6	87	2172	7.03	72.2	88	2258	7.84	73.5	89	2339	8.64	74.4	89	2422	9.50	75.0	90
185	12.02	2169	7.00	68.7	89	2250	7.84	70.6	89	2337	8.78	71.9	90	2419	9.68	73.0	91	2496	10.6	73.9	91
200	13.00	2255	7.83	66.8	90	2343	8.84	68.7	91	2422	9.79	70.3	91	2495	10.7	71.6	92	2572	11.7	72.6	92
215	13.97	2344	8.78	64.8	91	2433	9.85	66.8	92	2506	10.8	68.7	92	2582	11.9	70.1	93				
230	14.94	2422	9.69	63.5	92	2518	10.9	65.2	93	2600	12.0	66.8	94								
245	15.92	2493	10.6	62.6	93	2600	12.0	63.7	94												
260	16.89	2556	11.5	62.0	94																

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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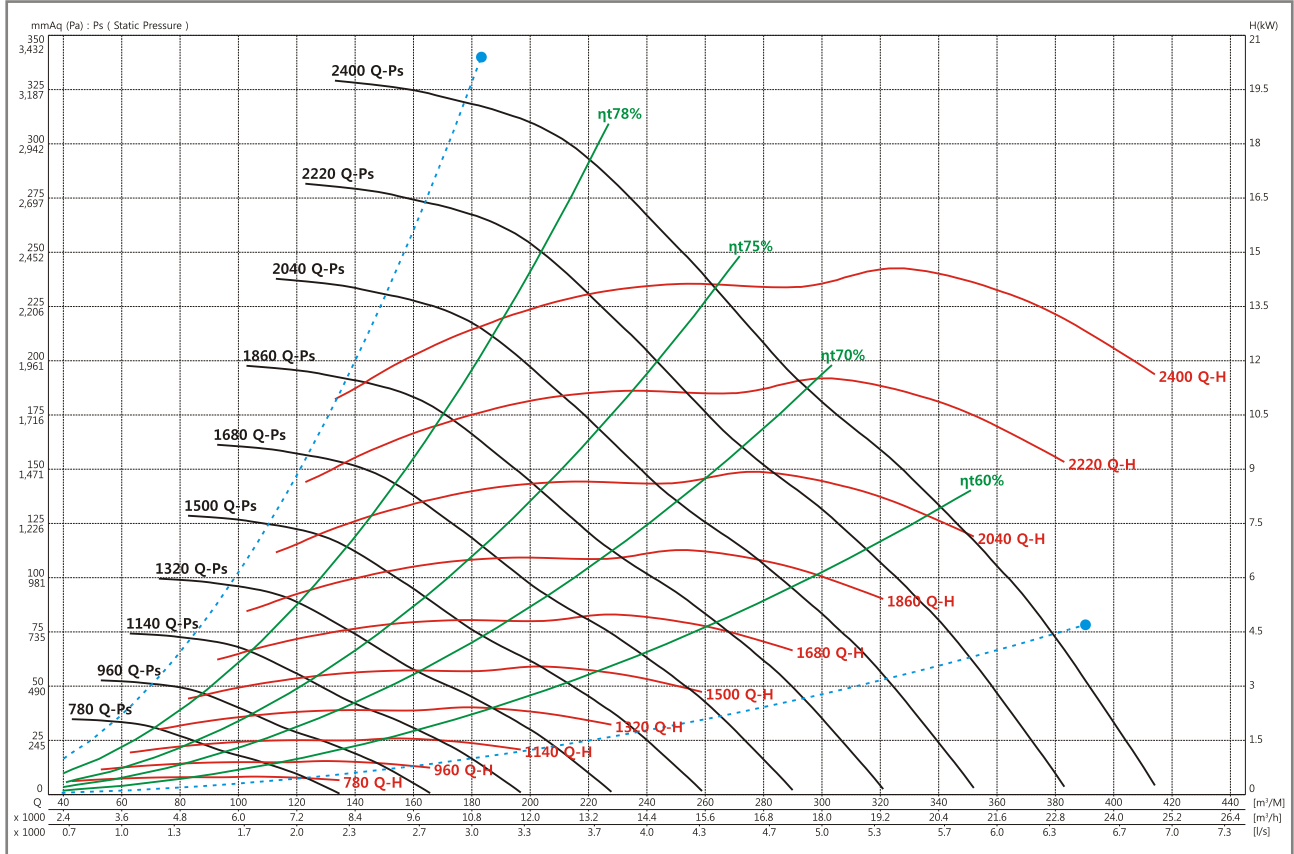
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GAF-4SS

FEG 80

Wheel dia	609 mm	Tip Speed = 0.031887 * rpm	Outlet Dim'	480 * 610	Outlet Area	0.2928 m ²	Class 1	1882 rpm	Class 2	2509 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
100	5.69	848	0.62	71.6	63	1027	1.09	77.6	67	1186	1.62	77.4	71	1345	2.24	73.7	75				
120	6.83	927	0.83	66.1	67	1105	1.37	75.3	70	1248	1.96	77.8	72	1378	2.57	77.9	75	1514	3.29	75.6	78
140	7.97	1010	1.08	61.5	71	1190	1.70	72.1	73	1323	2.35	76.1	74	1444	3.04	77.7	77	1558	3.75	78.2	79
160	9.11	1099	1.36	58.0	74	1273	2.11	68.0	76	1409	2.83	73.8	77	1522	3.59	76.2	78	1627	4.35	77.5	80
180	10.25	1195	1.71	54.4	77	1351	2.58	64.3	78	1496	3.39	70.7	79	1606	4.20	74.3	81	1708	5.07	76.1	82
200	11.38	1290	2.11	51.2	79	1435	3.09	61.3	81	1575	4.01	67.6	82	1692	4.90	71.7	83	1791	5.84	74.3	84
220	12.52	1395	2.62	48.2	81	1524	3.65	58.9	83	1651	4.72	64.3	84	1775	5.70	69.1	85	1874	6.67	72.3	85
240	13.66	1498	3.18	45.1	83	1618	4.29	56.3	85	1734	5.46	61.9	86	1852	6.60	66.1	87	1957	7.61	70.0	87
260	14.80	1606	3.85	42.0	85	1711	5.00	53.9	86	1823	6.28	59.8	87	1929	7.54	63.7	88	2036	8.70	67.4	89
280	15.94	1716	4.65	40.2	87	1809	5.83	51.6	88	1915	7.20	57.8	89	2017	8.60	61.6	90	2115	9.92	64.8	90
300	17.08	1825	5.53	38.2	89	1912	6.78	49.0	90	2007	8.18	55.8	90	2105	9.68	59.8	91	2196	11.1	62.7	92
320	18.21	1935	6.54	36.7	91	2016	7.85	47.1	91	2102	9.26	53.7	92	2195	10.9	58.0	93	2283	12.4	61.1	93

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
100	5.69																				
120	6.83																				
140	7.97	1673	4.54	77.1	81	1788	5.40	75.2	83	1899	6.32	73.5	85								
160	9.11	1728	5.16	78.2	82	1827	6.01	78.0	83	1928	6.93	76.9	85	2030	7.94	75.5	86	2127	8.94	74.0	88
180	10.25	1800	5.91	77.3	83	1892	6.82	78.0	84	1978	7.71	78.2	85	2068	8.71	77.9	86	2157	9.74	77.0	88
200	11.38	1879	6.76	76.0	84	1967	7.74	76.9	85	2049	8.70	77.7	86	2128	9.69	78.1	87	2208	10.7	78.2	88
220	12.52	1964	7.70	74.3	86	2045	8.72	75.8	87	2125	9.78	76.6	87	2204	10.9	77.3	88	2276	11.9	77.8	89
240	13.66	2051	8.75	72.3	88	2131	9.84	74.2	88	2207	11.0	75.3	89	2280	12.1	76.2	90	2352	13.3	76.9	90
260	14.80	2133	9.85	70.3	89	2216	11.0	72.3	90	2292	12.2	73.9	91	2362	13.4	75.0	91				
280	15.94	2213	11.1	68.0	91	2299	12.3	70.4	91	2377	13.6	72.1	92								
300	17.08	2289	12.5	65.5	92	2380	13.8	68.4	93												
320	18.21	2369	14.0	63.5	94																

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015.Jan-R10.0

GAF-SS series

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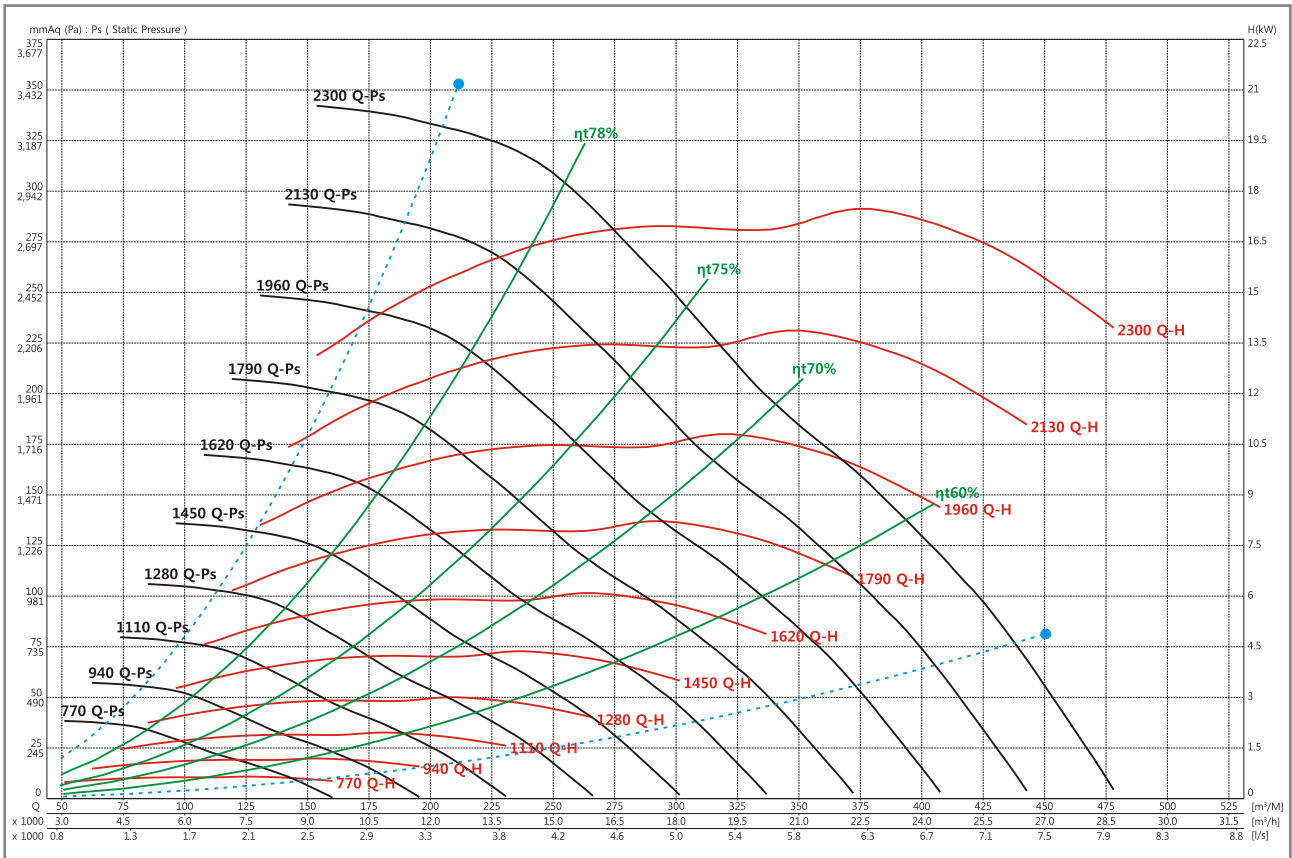
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GAF-4.25SS

FEG 80

Wheel dia	648 mm	Tip Speed = 0.033929 * rpm	Outlet Dim'	510 * 650	Outlet Area	0.3315 m ²	Class 1	1768 rpm	Class 2	2358 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
130	6.54	853	0.87	67.8	67	1018	1.46	76.0	69	1155	2.10	78.1	72	1285	2.81	77.2	75	1416	3.61	74.6	78
150	7.54	919	1.11	63.2	70	1089	1.78	73.3	72	1218	2.50	76.7	74	1334	3.24	78.1	76	1445	4.03	77.7	78
170	8.55	990	1.37	59.8	73	1160	2.15	70.2	74	1285	2.94	74.9	76	1394	3.75	77.0	78	1495	4.57	78.1	79
190	9.55	1067	1.68	56.7	75	1224	2.59	66.4	77	1356	3.44	72.6	78	1460	4.32	75.5	79	1559	5.24	77.0	81
210	10.56	1144	2.03	53.7	77	1289	3.07	63.4	79	1424	3.99	70.1	80	1532	4.97	73.6	81	1623	5.94	75.8	82
230	11.56	1230	2.48	50.5	80	1361	3.59	60.9	81	1491	4.67	66.9	82	1604	5.70	71.3	83	1695	6.74	74.1	84
250	12.57	1315	2.98	47.5	82	1437	4.17	58.6	83	1555	5.38	64.3	84	1669	6.46	69.1	85	1766	7.61	72.1	86
270	13.57	1401	3.55	45.1	83	1513	4.80	56.5	85	1624	6.12	62.1	86	1736	7.40	66.4	87	1834	8.53	70.2	87
290	14.58	1490	4.22	43.0	85	1590	5.49	54.4	86	1698	6.94	60.2	87	1800	8.35	64.1	88	1902	9.64	67.8	89
310	15.59	1581	4.98	40.9	87	1674	6.32	52.2	88	1773	7.82	58.3	89	1869	9.34	62.1	90	1965	10.8	65.5	90
330	16.59	1668	5.79	39.2	88	1755	7.19	50.2	89	1849	8.76	56.5	90	1943	10.4	60.5	91	2030	12.0	63.7	91
350	17.60	1760	6.75	37.7	90	1842	8.23	48.2	91	1927	9.81	54.9	91	2016	11.6	59.0	92	2102	13.3	61.9	93

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
130	6.54																				
150	7.54	1560	4.93	75.9	81	1672	5.90	73.8	83												
170	8.55	1595	5.46	78.1	81	1696	6.44	77.0	83	1797	7.49	75.4	85	1895	8.58	73.7	87				
190	9.55	1650	6.17	77.9	82	1739	7.14	78.2	84	1828	8.18	77.7	85	1919	9.30	76.7	87	2009	10.5	75.4	88
210	10.56	1714	6.98	76.9	83	1796	7.98	77.7	85	1877	9.04	78.2	86	1956	10.1	78.2	87	2037	11.3	77.5	88
230	11.56	1777	7.80	75.8	85	1861	8.95	76.7	86	1937	10.0	77.5	87	2012	11.2	78.0	88	2083	12.3	78.2	88
250	12.57	1848	8.75	74.3	86	1925	9.92	75.7	87	2002	11.2	76.5	88	2072	12.3	77.3	89	2143	13.6	77.8	89
270	13.57	1918	9.76	72.6	88	1996	11.0	74.3	89	2068	12.3	75.5	89	2138	13.6	76.3	90	2205	14.9	77.0	90
290	14.58	1991	10.9	70.6	89	2067	12.2	72.7	90	2137	13.5	74.2	90	2204	14.9	75.3	91	2270	16.3	76.1	91
310	15.59	2057	12.1	68.7	91	2138	13.5	70.9	91	2210	15.0	72.7	92	2274	16.3	74.1	92				
330	16.59	2121	13.5	66.6	92	2205	14.9	69.1	92	2280	16.4	71.1	93								
350	17.60	2184	14.9	64.6	93	2271	16.5	67.1	94												

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015Jan-R10.0

GAF-SS series

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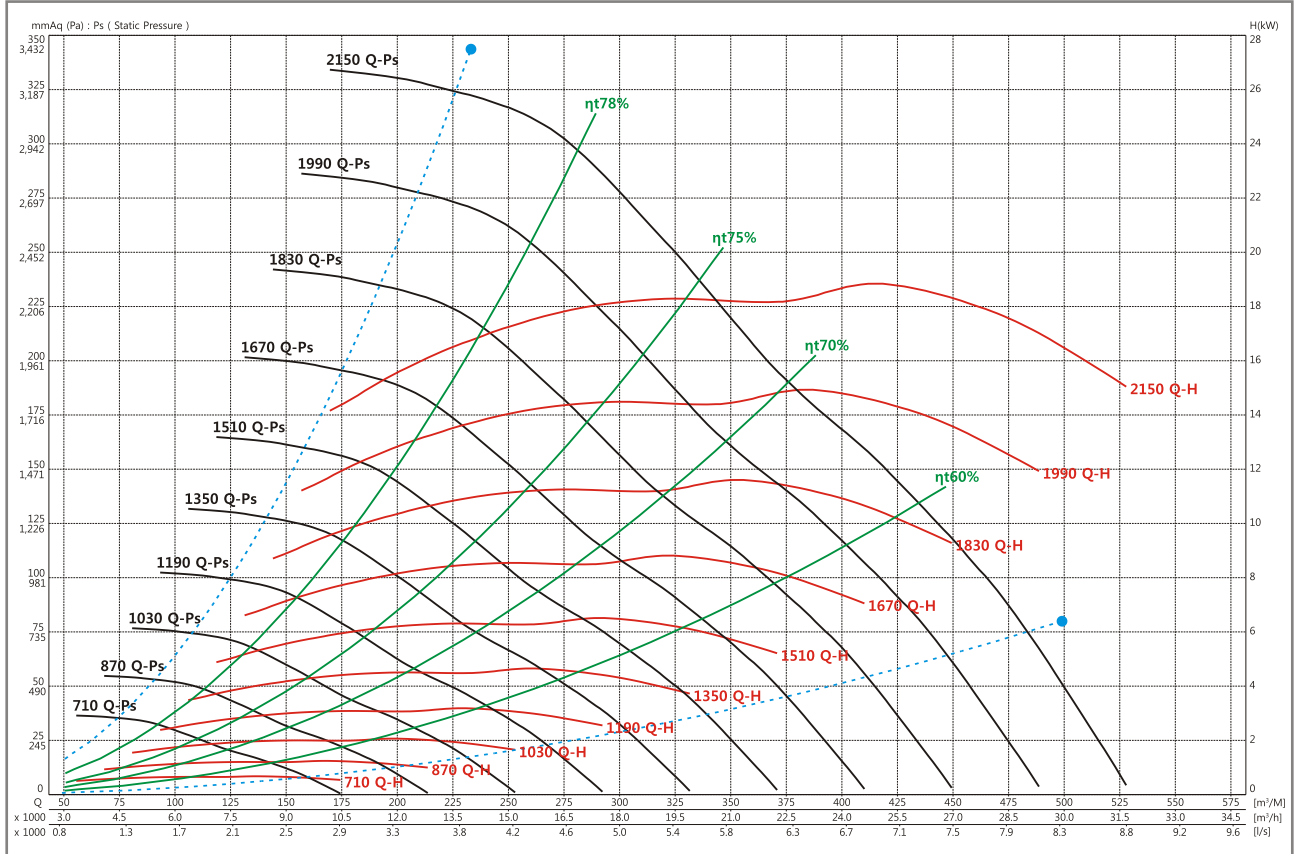
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GAF-4.5SS

FEG 80

Wheel dia	685 mm	Tip Speed = 0.035867 * rpm	Outlet Dim'	540 * 685	Outlet Area	0.3699 m ²	Class 1	1673 rpm	Class 2	2230 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
170	7.66	876	1.27	62.5	71	1037	2.03	73.0	72	1157	2.83	76.6	74	1266	3.67	78.1	76	1370	4.55	77.9	78
190	8.56	936	1.53	59.8	73	1097	2.41	70.2	74	1215	3.28	74.9	76	1319	4.19	77.0	78	1414	5.11	78.1	79
210	9.46	1002	1.84	57.0	75	1152	2.84	66.9	77	1274	3.77	72.9	78	1375	4.76	75.8	79	1469	5.79	77.1	81
230	10.36	1068	2.19	54.4	77	1206	3.32	63.9	79	1335	4.34	70.6	80	1434	5.39	74.1	81	1522	6.47	76.0	82
250	11.26	1136	2.60	51.6	79	1268	3.84	61.6	81	1391	4.98	67.8	82	1496	6.11	72.1	83	1582	7.24	74.6	84
270	12.17	1210	3.09	49.0	81	1329	4.38	59.6	82	1445	5.68	65.3	83	1553	6.84	70.2	84	1640	8.06	73.0	85
290	13.07	1283	3.64	46.7	83	1394	4.99	57.6	84	1502	6.41	63.2	85	1609	7.70	67.8	86	1703	9.01	71.2	87
310	13.97	1358	4.25	44.3	84	1458	5.65	55.8	85	1562	7.17	61.3	86	1664	8.66	65.5	87	1759	9.98	69.3	88
330	14.87	1432	4.93	42.5	86	1525	6.38	53.9	87	1624	8.00	59.6	88	1719	9.62	63.5	89	1815	11.1	67.1	89
350	15.77	1508	5.70	40.6	87	1595	7.20	51.9	88	1689	8.91	58.1	89	1780	10.6	61.9	90	1867	12.3	65.3	91
370	16.67	1583	6.54	39.2	89	1666	8.12	50.2	89	1753	9.86	56.5	90	1840	11.7	60.5	91	1924	13.5	63.5	92
390	17.57	1660	7.47	37.7	90	1738	9.13	48.2	91	1821	10.9	54.9	92	1903	12.8	59.0	92	1983	14.7	62.0	93

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
170	7.66	1478	5.57	76.3	81	1583	6.64	74.2	83												
190	8.56	1508	6.11	78.1	81	1604	7.20	77.0	83	1700	8.37	75.4	85	1793	9.60	73.7	87				
210	9.46	1554	6.80	78.0	82	1639	7.88	78.2	84	1724	9.03	77.5	85	1812	10.3	76.4	87	1898	11.6	75.1	88
230	10.36	1608	7.60	77.1	83	1686	8.70	77.9	85	1764	9.86	78.2	86	1841	11.1	78.0	87	1921	12.4	77.2	88
250	11.26	1663	8.44	76.1	85	1740	9.64	77.0	86	1814	10.9	77.8	87	1885	12.1	78.2	88	1956	13.4	78.2	88
270	12.17	1720	9.33	74.9	86	1796	10.6	76.1	87	1867	11.9	76.9	88	1937	13.3	77.6	88	2002	14.6	78.1	89
290	13.07	1781	10.3	73.5	87	1853	11.7	75.0	88	1921	13.0	76.1	89	1990	14.5	76.8	89	2056	15.9	77.4	90
310	13.97	1841	11.4	71.9	89	1912	12.8	73.7	89	1980	14.2	75.0	90	2044	15.7	76.0	90	2109	17.3	76.6	91
330	14.87	1900	12.5	70.2	90	1973	14.0	72.2	90	2039	15.5	73.9	91	2104	17.1	74.9	91				
350	15.77	1955	13.8	68.4	91	2033	15.4	70.7	92	2100	16.9	72.5	92								
370	16.67	2010	15.2	66.4	92	2088	16.7	69.1	93												
390	17.57	2064	16.6	64.7	93	2143	18.3	67.4	94												

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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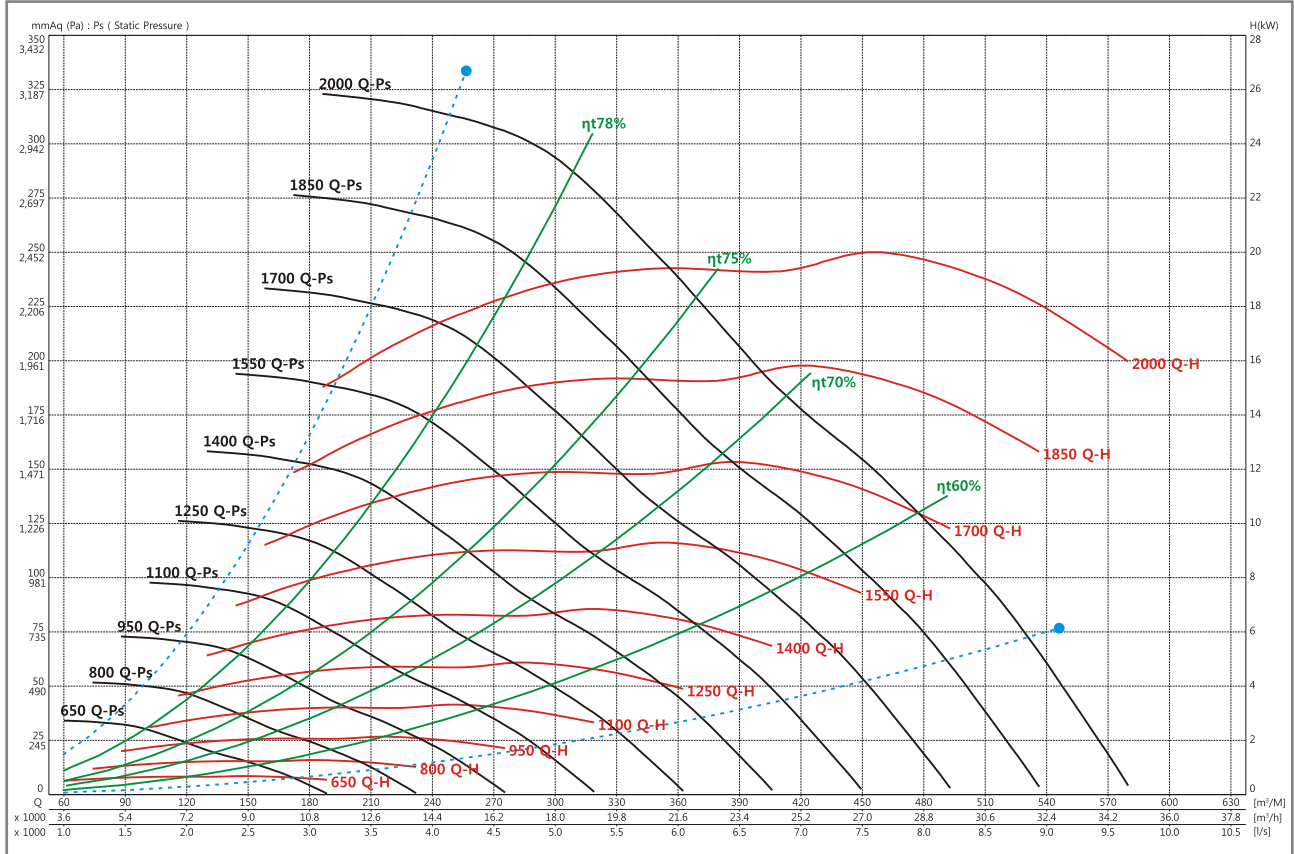


AIR FOIL FAN
GAF-SS series

GAF-4.75SS

FEG 80

Wheel dia	724 mm	Tip Speed = 0.037909 * rpm	Outlet Dim'	570 * 725	Outlet Area	0.4133 m ²	Class 1	1583 rpm	Class 2	2110 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
165	6.65	770	1.12	66.9	67	918	1.87	75.8	70	1040	2.68	78.0	72	1153	3.55	77.5	75	1269	4.56	75.0	78
190	7.66	829	1.42	62.5	71	982	2.27	73.0	72	1095	3.17	76.6	74	1198	4.10	78.0	76	1297	5.09	78.0	78
215	8.67	893	1.75	59.4	73	1045	2.75	69.8	75	1156	3.73	74.7	76	1254	4.75	76.8	78	1345	5.81	78.0	80
240	9.68	962	2.14	56.3	76	1103	3.31	66.1	77	1220	4.36	72.3	79	1314	5.48	75.3	80	1402	6.65	76.8	81
265	10.69	1034	2.61	53.1	78	1161	3.91	63.2	80	1283	5.09	69.7	81	1377	6.29	73.4	82	1461	7.54	75.5	83
290	11.70	1109	3.16	50.2	80	1226	4.56	60.5	82	1340	5.92	66.6	83	1443	7.22	71.1	84	1524	8.53	73.9	85
315	12.70	1185	3.80	47.5	82	1294	5.29	58.3	83	1399	6.83	63.9	85	1502	8.22	68.7	85	1587	9.61	71.9	86
340	13.71	1263	4.52	44.9	84	1361	6.08	56.3	85	1461	7.76	61.8	86	1560	9.37	66.1	87	1649	10.8	69.8	88
365	14.72	1343	5.36	42.5	86	1433	6.99	54.2	87	1526	8.77	59.9	88	1617	10.5	63.9	89	1707	12.2	67.6	89
390	15.73	1425	6.34	40.6	87	1506	8.01	51.9	88	1594	9.88	58.1	89	1681	11.8	62.0	90	1765	13.7	65.3	91
415	16.74	1504	7.40	39.2	89	1582	9.16	49.8	90	1664	11.1	56.3	91	1747	13.2	60.3	91	1824	15.2	63.4	92
440	17.75	1585	8.57	37.4	90	1658	10.4	48.0	91	1733	12.4	54.6	92	1812	14.6	58.8	93	1888	16.8	61.8	93

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
165	6.65																				
190	7.66	1399	6.23	76.3	81	1498	7.42	74.2	83												
215	8.67	1431	6.90	78.2	81	1521	8.12	77.2	83	1610	9.43	75.6	85	1698	10.8	74.2	87				
240	9.68	1483	7.81	77.8	83	1560	9.00	78.2	84	1640	10.3	77.9	85	1720	11.7	76.9	87	1800	13.2	75.6	88
265	10.69	1539	8.81	76.7	84	1614	10.1	77.6	85	1684	11.4	78.1	86	1756	12.8	78.2	87	1827	14.2	77.7	88
290	11.70	1600	9.91	75.5	85	1671	11.3	76.6	86	1740	12.7	77.4	87	1805	14.1	78.0	88	1870	15.5	78.2	89
315	12.70	1662	11.1	74.1	87	1731	12.6	75.5	88	1798	14.1	76.4	88	1862	15.6	77.1	89	1923	17.1	77.7	90
340	13.71	1725	12.4	72.3	88	1795	14.0	74.1	89	1858	15.5	75.3	90	1920	17.2	76.2	90	1981	18.8	76.9	91
365	14.72	1789	13.8	70.4	90	1857	15.4	72.5	90	1920	17.1	74.1	91	1980	18.8	75.2	91				
390	15.73	1847	15.3	68.5	91	1922	17.1	70.7	92	1984	18.8	72.6	92								
415	16.74	1905	17.1	66.3	93	1981	18.9	68.9	93												
440	17.75	1963	18.9	64.4	94																

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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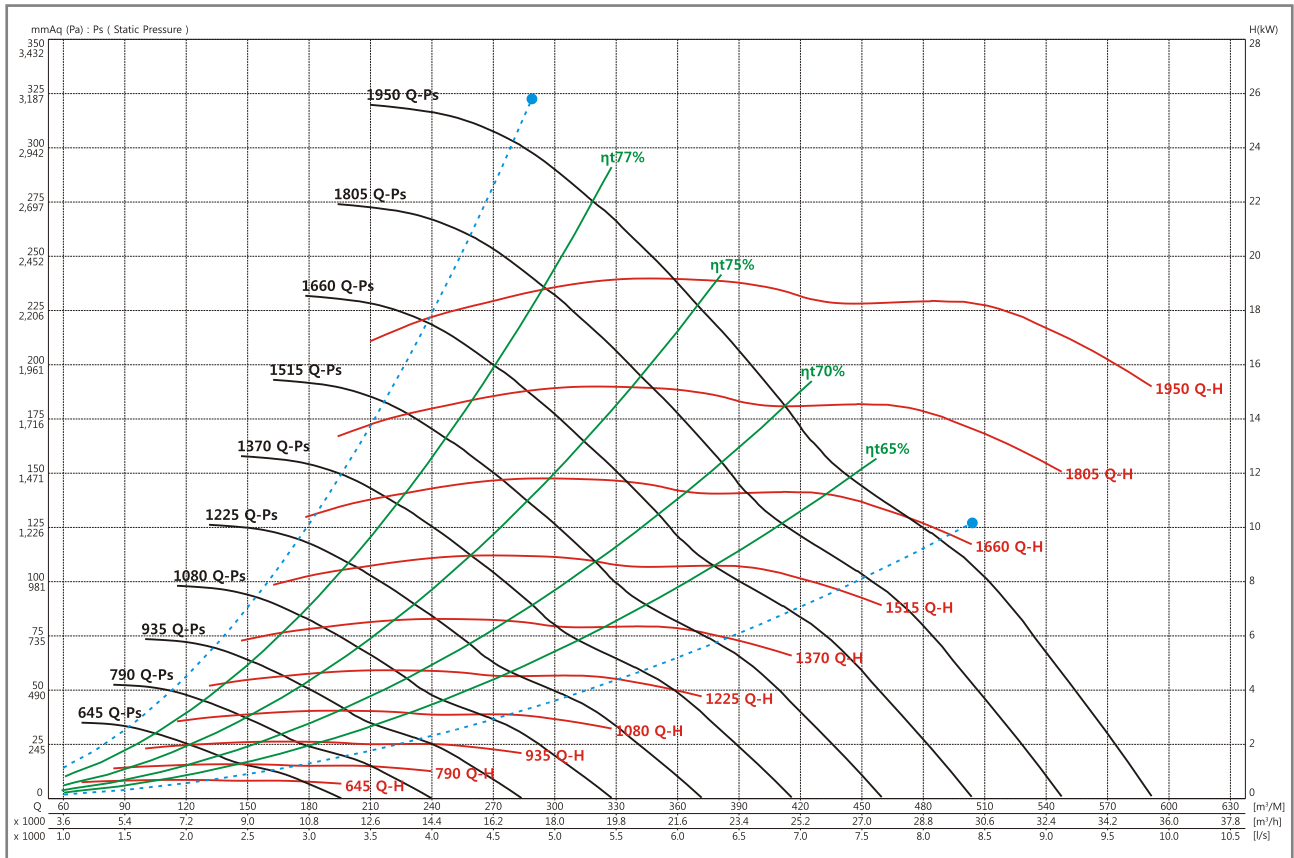
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GAF-5SS

FEG 80

Wheel dia	762 mm	Tip Speed = 0.039898 * rpm	Outlet Dim'	600 * 760	Outlet Area	0.4560 m ²	Class 1	1504 rpm	Class 2	2005 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
200	7.31	840	1.46	63.1	72	983	2.42	71.9	74	1093	3.36	75.9	75	1193	4.36	77.2	77	1287	5.41	77.0	79
225	8.22	897	1.78	60.0	75	1050	2.89	68.8	76	1152	3.92	73.9	77	1248	5.00	76.3	79	1335	6.12	77.2	81
250	9.14	960	2.17	56.9	77	1115	3.41	65.8	78	1215	4.56	71.5	80	1307	5.73	74.7	81	1390	6.92	76.4	82
275	10.05	1029	2.64	53.1	80	1171	3.95	63.7	81	1285	5.30	68.8	82	1368	6.54	72.7	83	1450	7.84	75.0	84
300	10.96	1103	3.19	49.7	82	1226	4.55	61.6	83	1352	6.08	66.2	84	1434	7.45	70.5	85	1510	8.83	73.2	85
325	11.88	1176	3.81	46.8	84	1284	5.23	59.4	85	1409	6.87	64.5	86	1503	8.45	68.1	86	1575	9.93	71.3	87
350	12.79	1252	4.54	44.1	86	1348	6.02	57.1	86	1464	7.73	62.8	87	1569	9.51	66.0	88	1643	11.1	69.3	88
375	13.71	1327	5.35	41.8	87	1415	6.89	54.4	88	1520	8.67	61.1	89	1625	10.6	64.5	89	1709	12.4	67.3	90
400	14.62	1404	6.28	39.9	89	1487	7.92	52.0	89	1578	9.71	59.2	90	1680	11.7	63.1	90	1774	13.7	65.5	91
425	15.53	1480	7.28	37.9	90	1560	9.04	49.7	91	1640	10.9	57.2	91	1735	12.9	61.5	92	1830	15.1	64.2	92
450	16.45	1559	8.44	36.3	91	1634	10.3	47.6	92	1708	12.2	55.2	92	1793	14.3	60.0	93	1883	16.5	62.9	93
475	17.36	1639	9.72	34.7	93	1710	11.7	45.5	93	1778	13.6	53.4	94	1852	15.7	58.5	94	1939	18.0	61.6	95

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
200	7.31	1378	6.54	76.3	81																
225	8.22	1421	7.33	77.1	82	1502	8.55	76.8	83												
250	9.14	1470	8.19	77.0	83	1548	9.50	77.1	84	1622	10.8	77.0	85	1694	12.2	76.5	86				
275	10.05	1525	9.15	76.4	84	1599	10.6	76.9	85	1669	11.9	77.2	86	1738	13.4	77.1	87	1805	14.9	76.9	88
300	10.96	1585	10.3	75.0	86	1654	11.7	76.2	87	1721	13.2	76.8	87	1787	14.7	77.2	88	1851	16.3	77.1	89
325	11.88	1644	11.4	73.6	87	1714	13.0	75.0	88	1777	14.5	76.1	88	1841	16.1	76.7	89	1902	17.8	77.0	90
350	12.79	1709	12.7	71.8	89	1773	14.3	73.7	89	1836	16.0	74.9	90	1897	17.6	75.9	90				
375	13.71	1774	14.1	70.1	90	1837	15.8	72.0	91	1898	17.6	73.6	91								
400	14.62	1845	15.6	68.0	91	1902	17.4	70.4	92												
425	15.53	1911	17.2	66.3	93																
450	16.45																				
475	17.36																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015Jan-R10.0

GAF-SS series

AIR FOIL FAN

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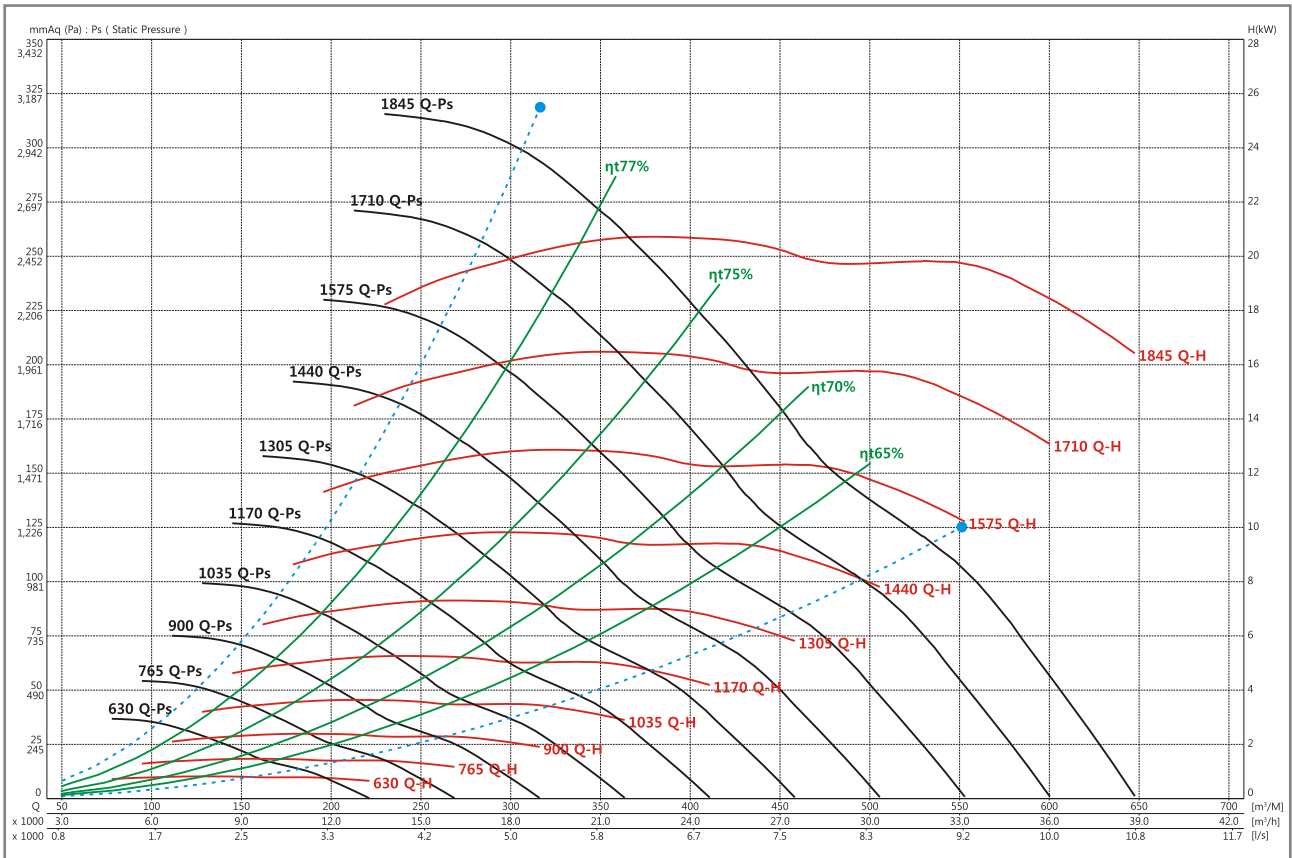


AIR FOIL FAN
GAF-SS series

GAF-5.25SS

FEG 80

Wheel dia	800 mm	Tip Speed = 0.041888 * rpm	Outlet Dim'	630 * 800	Outlet Area	0.5040 m ²	Class 1	1432 rpm	Class 2	1910 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
180	5.95	719	1.18	67.9	68	850	2.02	75.9	70	965	2.93	77.1	72	1071	3.92	76.3	75				
210	6.94	781	1.50	64.0	71	912	2.48	73.1	73	1019	3.48	76.6	75	1117	4.56	77.1	77	1210	5.7	76.8	78
240	7.94	839	1.86	60.9	74	981	3.02	69.8	75	1080	4.13	74.6	77	1172	5.29	76.6	79	1258	6.52	77.2	80
270	8.93	901	2.30	57.2	77	1051	3.65	66.2	78	1146	4.89	72.0	79	1234	6.16	75.0	81	1313	7.44	76.6	82
300	9.92	974	2.85	53.4	80	1110	4.30	63.9	80	1215	5.73	69.2	82	1296	7.11	73.0	83	1374	8.51	75.1	84
330	10.91	1049	3.50	49.7	82	1167	5.01	61.6	83	1285	6.68	66.4	84	1364	8.19	70.5	85	1436	9.68	73.4	85
360	11.90	1125	4.25	46.5	84	1228	5.83	59.2	85	1346	7.64	64.3	86	1436	9.40	67.9	87	1503	11.0	71.2	87
390	12.90	1204	5.14	43.7	86	1293	6.77	56.6	87	1402	8.67	62.5	88	1502	10.6	65.8	88	1575	12.5	69.0	89
420	13.89	1282	6.14	41.4	88	1364	7.87	54.0	89	1460	9.82	60.6	89	1561	11.9	64.2	90	1645	14.0	66.8	90
450	14.88	1361	7.27	39.1	90	1438	9.10	51.3	90	1521	11.1	58.7	91	1617	13.3	62.6	91	1708	15.6	65.1	92
480	15.87	1442	8.57	37.4	91	1515	10.5	48.9	91	1589	12.6	56.5	92	1675	14.8	60.9	92	1764	17.3	63.7	93
510	16.87	1523	9.99	35.2	92	1592	12.1	46.5	93	1660	14.2	54.2	93	1736	16.5	59.2	94	1820	19.0	62.3	94

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
180	5.95																				
210	6.94																				
240	7.94	1340	7.79	77.0	82	1419	9.13	76.3	83												
270	8.93	1390	8.81	77.2	83	1465	10.2	77.1	84	1536	11.7	76.9	85	1606	13.2	76.2	86				
300	9.92	1447	9.97	76.5	85	1517	11.5	77.0	85	1585	13.0	77.1	86	1650	14.6	77.1	87	1714	16.3	76.8	88
330	10.91	1507	11.2	75.1	86	1573	12.8	76.3	87	1638	14.5	76.8	88	1701	16.2	77.2	88	1762	17.9	77.1	89
360	11.90	1570	12.7	73.5	88	1636	14.4	74.9	88	1697	16.1	76.0	89	1755	17.8	76.7	89	1815	19.7	77.0	90
390	12.90	1636	14.2	71.5	89	1699	16.1	73.4	90	1758	17.9	74.7	90	1816	19.7	75.7	91				
420	13.89	1707	15.9	69.5	91	1764	17.8	71.7	91	1820	19.8	73.2	91								
450	14.88	1778	17.8	67.4	92	1834	19.8	69.8	93												
480	15.87	1843	19.7	65.7	93																
510	16.87																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015Jan-R10.0

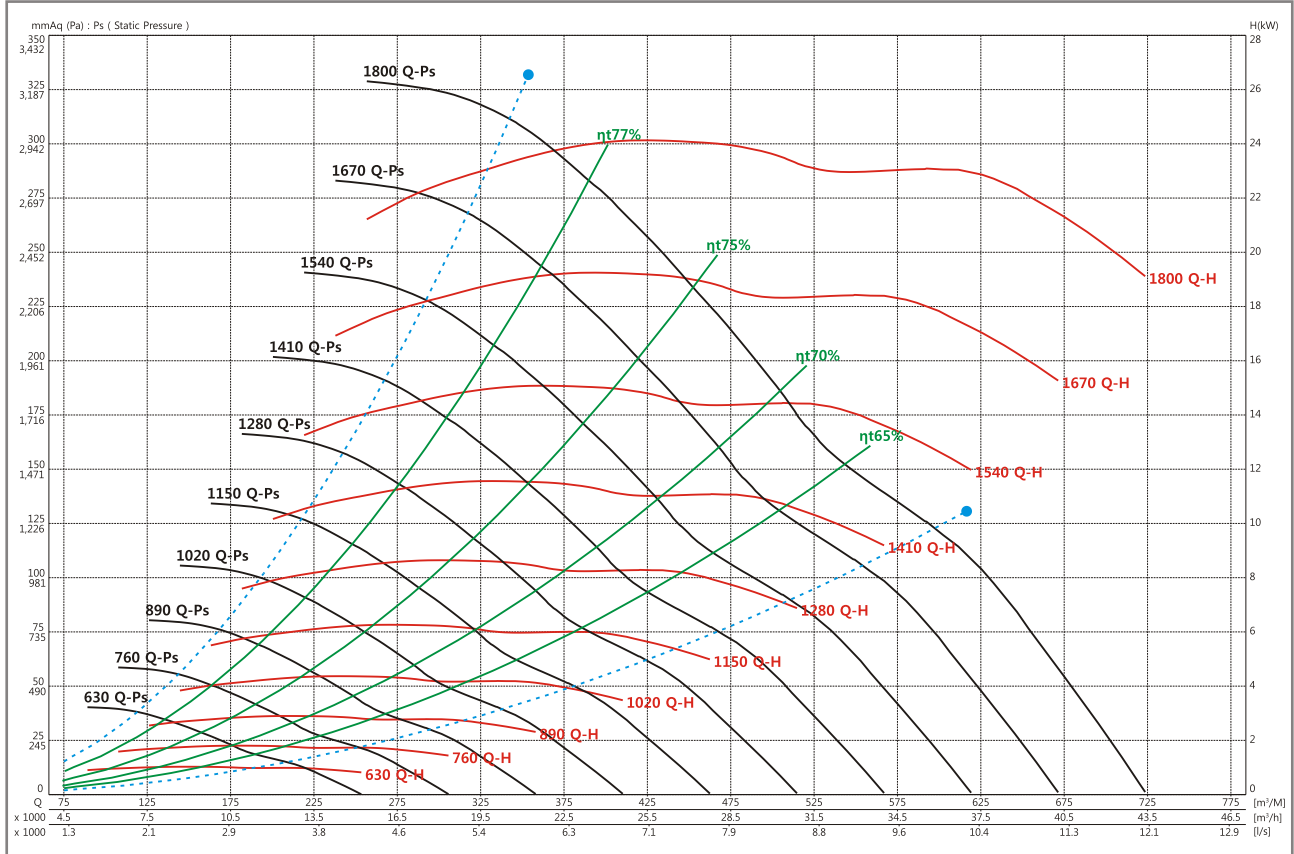
GAF-SS series

AIR FOIL FAN

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**GAF-5.5SS****FEG 80**

Wheel dia	838 mm	Tip Speed = 0.043878 * rpm	Outlet Dim'	660 * 840	Outlet Area	0.5544 m ²	Class 1	1367 rpm	Class 2	1823 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
260	7.82	794	1.99	61.3	74	929	3.25	70.1	75	1026	4.47	74.7	77	1113	5.72	76.7	78	1196	7.06	77.1	80
290	8.72	849	2.42	58.0	77	991	3.86	66.8	78	1082	5.20	72.5	79	1165	6.55	75.4	80	1244	7.98	76.7	82
320	9.62	908	2.94	54.7	79	1044	4.5	64.6	80	1141	6.01	70.1	81	1220	7.49	73.6	82	1295	9.01	75.6	83
350	10.52	973	3.56	51.3	81	1094	5.19	62.5	82	1203	6.93	67.3	83	1278	8.54	71.4	84	1349	10.2	74.0	85
380	11.42	1039	4.27	48.0	83	1145	5.96	60.4	84	1259	7.89	65.2	85	1338	9.66	69.2	86	1406	11.4	72.1	87
410	12.33	1108	5.09	45.0	85	1200	6.85	58.0	86	1309	8.88	63.5	87	1399	10.9	67.0	88	1465	12.8	70.2	88
440	13.23	1176	6.02	42.8	87	1260	7.86	55.5	88	1358	9.95	61.9	88	1455	12.2	65.2	89	1528	14.3	68.1	90
470	14.13	1245	7.06	40.4	89	1323	9.01	53.1	89	1409	11.1	60.2	90	1505	13.5	63.7	90	1587	15.9	66.2	91
500	15.03	1315	8.24	38.6	90	1387	10.3	50.9	91	1464	12.5	58.2	91	1554	14.9	62.3	92	1640	17.5	64.9	92
530	15.93	1385	9.55	36.8	92	1455	11.7	48.5	92	1523	13.9	56.2	92	1604	16.4	60.8	93	1689	19.1	63.5	93
560	16.84	1455	11.0	35.5	93	1521	13.3	46.5	93	1586	15.6	54.2	94	1658	18.1	59.2	94	1738	20.9	62.3	94
590	17.74	1525	12.6	34.2	94	1591	15.0	44.6	94	1650	17.4	52.2	95	1713	19.9	57.6	95	1789	22.8	60.9	96

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
260	7.82	1275	8.45	77.0	82	1351	9.91	76.1	83												
290	8.72	1318	9.46	77.2	83	1390	11.0	77.1	84	1458	12.6	76.71	85								
320	9.62	1366	10.6	76.7	84	1433	12.2	77.2	85	1500	13.9	77.1	86	1563	15.6	77.0	87	1625	17.4	76.6	88
350	10.52	1417	11.8	75.7	86	1482	13.5	76.6	87	1544	15.3	77.0	87	1605	17.1	77.1	88	1665	19.0	77.1	89
380	11.42	1472	13.2	74.2	87	1533	15.0	75.6	88	1593	16.8	76.5	88	1652	18.8	76.9	89	1707	20.6	77.2	90
410	12.33	1527	14.6	72.6	89	1587	16.6	74.3	89	1647	18.5	75.4	90	1702	20.5	76.3	90	1755	22.5	76.8	91
440	13.23	1587	16.3	70.8	90	1644	18.3	72.7	90	1700	20.4	74.2	91	1755	22.5	75.2	91				
470	14.13	1649	18.0	68.9	91	1702	20.2	71.1	92	1755	22.3	72.8	92								
500	15.03	1709	19.9	67.1	93	1763	22.2	69.4	93												
530	15.93	1766	21.8	65.5	94																
560	16.84																				
590	17.74																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015.Jan-R10.0

GAF-SS series

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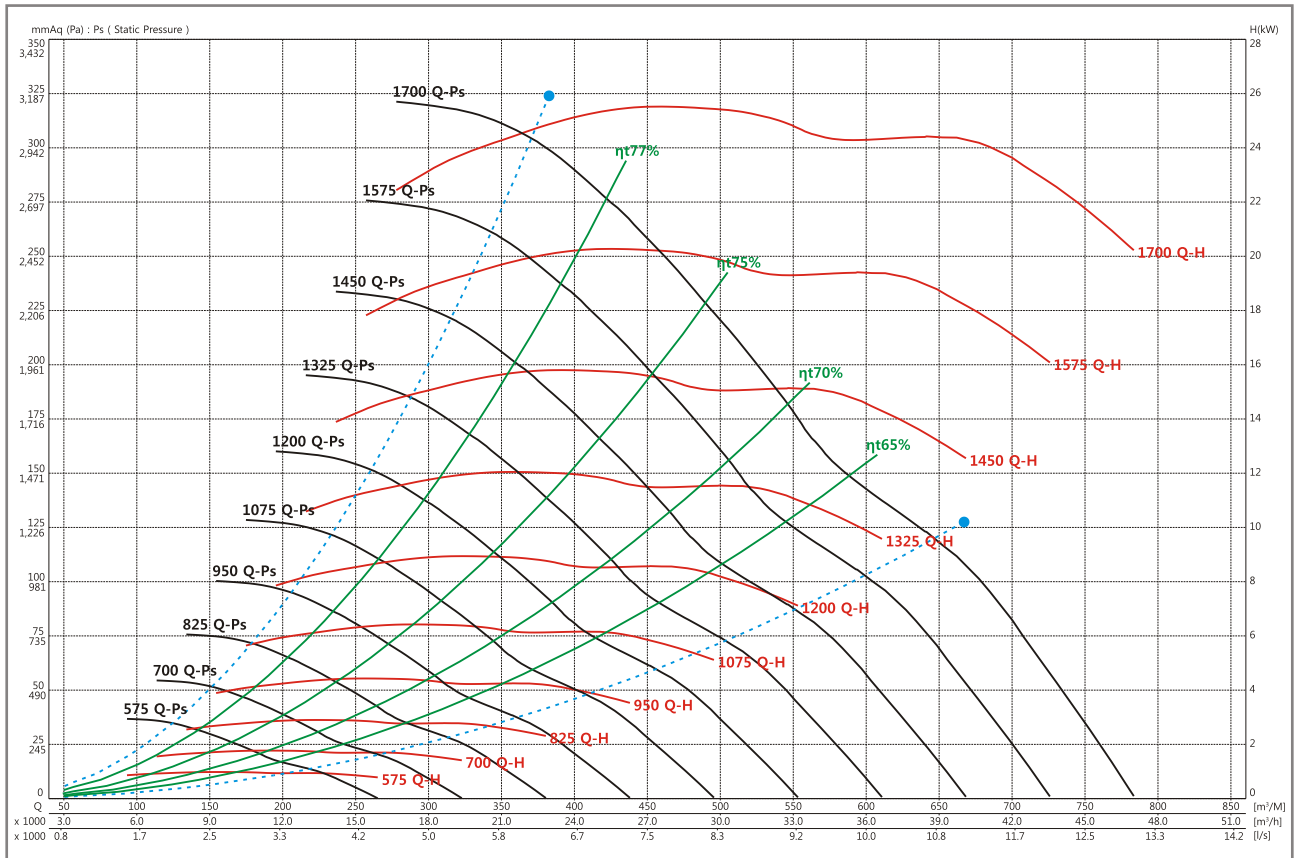


AIR FOIL FAN
GAF-SS series

GAF-5.75SS

FEG 80

Wheel dia	876 mm	Tip Speed = 0.045867 * rpm	Outlet Dim'	690 * 875	Outlet Area	0.6038 m ²	Class 1	1308 rpm	Class 2	1744 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
240	6.63	696	1.66	65.2	70	815	2.78	74.1	72	914	3.95	76.9	74	1006	5.20	77.1	76	1093	6.54	76.2	78
275	7.59	747	2.07	62.1	74	874	3.39	71.0	75	967	4.67	75.3	76	1052	6.02	76.9	78	1133	7.46	77.1	80
310	8.56	801	2.54	58.7	77	936	4.08	67.6	77	1023	5.49	73.0	79	1105	6.97	75.7	80	1180	8.51	76.9	81
345	9.52	861	3.13	55.0	79	993	4.83	64.8	80	1083	6.43	70.4	81	1160	8.04	73.9	82	1231	9.66	75.8	83
380	10.49	927	3.84	51.3	82	1043	5.61	62.7	82	1147	7.50	67.5	83	1218	9.23	71.5	84	1287	11.0	74.1	85
415	11.46	994	4.66	48.0	84	1094	6.50	60.4	84	1204	8.61	65.2	85	1280	10.5	69.2	86	1345	12.5	72.3	87
450	12.42	1065	5.64	45.0	85	1151	7.54	58.0	86	1255	9.77	63.4	87	1343	12.0	66.8	88	1406	14.1	70.1	89
485	13.39	1134	6.71	42.3	87	1213	8.74	55.2	88	1305	11.0	61.6	89	1399	13.5	64.9	90	1470	15.9	67.9	90
520	14.35	1204	7.97	40.4	89	1277	10.1	52.5	90	1359	12.5	59.7	90	1449	15.0	63.4	91	1529	17.7	65.9	91
555	15.32	1275	9.37	38.4	91	1345	11.6	50.1	91	1415	14.0	57.7	92	1500	16.8	61.9	92	1582	19.6	64.5	93
590	16.29	1347	10.9	36.3	92	1413	13.4	47.8	93	1477	15.8	55.5	93	1552	18.6	60.3	93	1632	21.5	63.1	94
625	17.25	1419	12.7	35.0	94	1481	15.2	45.7	94	1542	17.8	53.4	94	1607	20.6	58.6	95	1682	23.6	61.7	95

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
240	6.63																				
275	7.59	1210	8.96	76.8	81																
310	8.56	1253	10.1	77.1	83	1322	11.8	77.0	84	1388	13.5	76.4	85								
345	9.52	1300	11.4	76.8	84	1365	13.1	77.2	85	1429	15.0	77.1	86	1489	16.8	76.9	87	1549	18.8	76.4	88
380	10.49	1353	12.8	75.7	86	1414	14.6	76.7	87	1474	16.6	77.1	88	1533	18.6	77.1	88	1590	20.6	77.1	89
415	11.46	1407	14.4	74.2	87	1467	16.3	75.6	88	1524	18.4	76.5	89	1580	20.5	76.9	89	1633	22.6	77.2	90
450	12.42	1464	16.1	72.5	89	1522	18.2	74.2	89	1578	20.4	75.4	90	1631	22.5	76.3	90	1683	24.8	76.7	91
485	13.39	1525	18.0	70.6	91	1580	20.3	72.5	91	1633	22.5	74.0	91	1685	24.8	75.1	92				
520	14.35	1589	20.1	68.5	92	1640	22.5	70.8	92	1691	24.8	72.5	93								
555	15.32	1650	22.3	66.7	93																
590	16.29																				
625	17.25																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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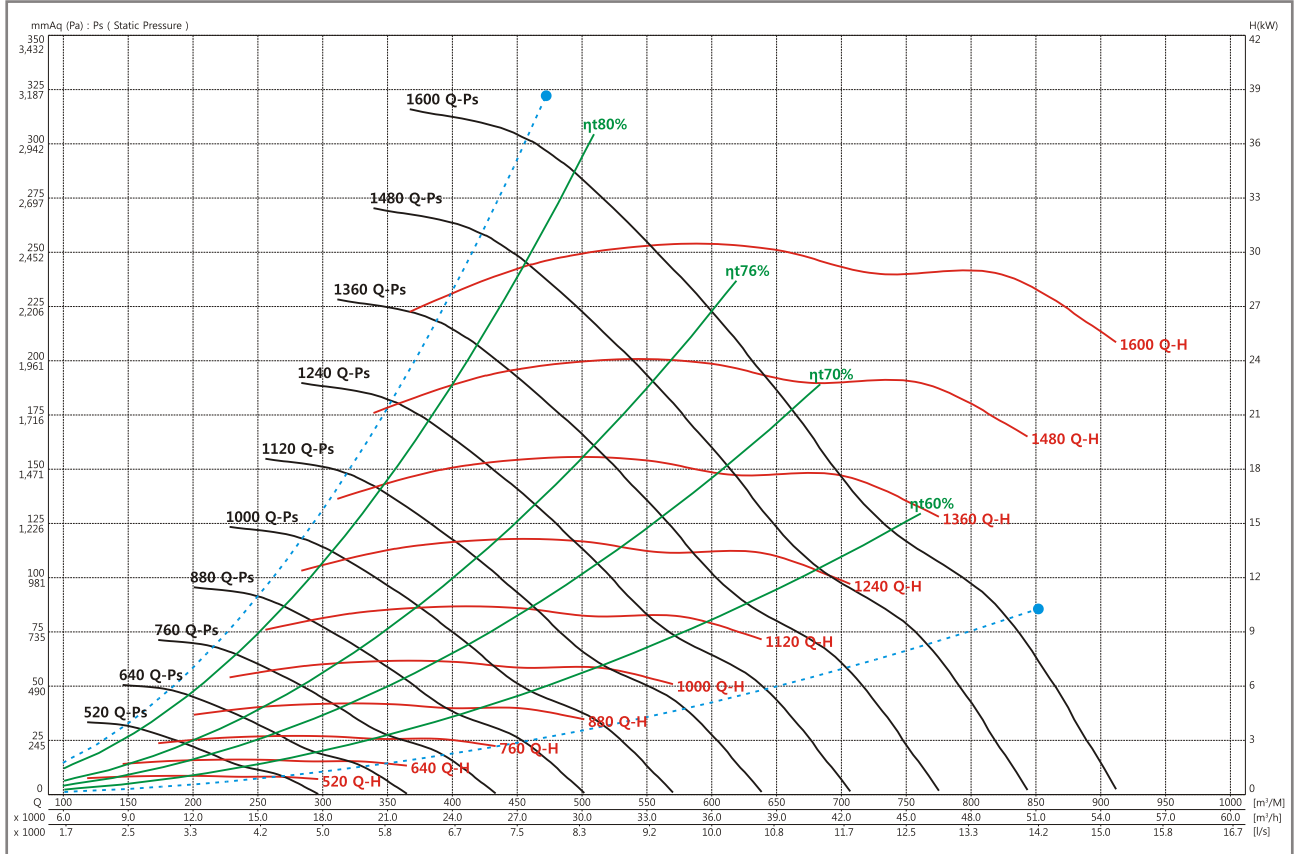
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GAF-6SS

FEG 85

Wheel dia	914 mm	Tip Speed = 0.047857 * rpm	Outlet Dim'	730 * 915	Outlet Area	0.6680 m ²	Class 1	1254 rpm	Class 2	1672 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
280	6.99	649	1.96	65.7	71	754	3.18	76.1	73	849	4.49	79.2	76	935	5.90	79.6	79				
320	7.98	707	2.48	61.1	75	807	3.87	72.6	75	895	5.31	77.4	78	976	6.83	79.3	80	1051	8.41	79.8	82
360	8.98	756	3.04	57.9	78	864	4.68	69.0	78	945	6.25	75.0	80	1022	7.91	77.8	81	1093	9.60	79.2	83
400	9.98	805	3.68	55.2	80	924	5.62	65.3	81	1000	7.36	72.0	82	1071	9.10	75.9	83	1140	11.0	77.9	84
440	10.98	859	4.46	52.1	82	982	6.66	62.0	84	1055	8.54	69.1	84	1125	10.5	73.3	85	1188	12.4	76.3	86
480	11.98	920	5.41	49.2	84	1035	7.77	59.3	86	1116	9.95	66.0	86	1178	12.0	70.9	86	1240	14.1	74.2	87
520	12.98	983	6.51	46.0	86	1083	8.95	57.4	87	1174	11.5	63.2	88	1236	13.7	68.4	88	1294	16.0	71.8	89
560	13.97	1048	7.79	43.6	87	1131	10.2	55.6	89	1230	13.1	60.8	90	1296	15.6	65.7	90	1350	18.0	69.6	90
600	14.97	1113	9.23	41.2	89	1183	11.7	53.5	90	1281	14.8	58.8	91	1355	17.6	63.2	92	1409	20.2	67.3	92
640	15.97	1179	10.9	39.4	91	1241	13.4	51.2	92	1329	16.5	57.3	93	1411	19.8	61.1	94	1469	22.6	64.9	94
680	16.97	1246	12.7	37.4	92	1302	15.3	49.2	93	1377	18.5	55.7	94	1464	22.0	59.3	95	1527	25.2	62.8	95
720	17.97	1313	14.8	36.0	94	1366	17.5	47.0	94	1428	20.6	54.2	95	1512	24.3	57.9	96	1582	27.9	61.0	97

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				220 mmAq (2157 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
280	6.99																				
320	7.98	1125	10.1	78.9	84																
360	8.98	1161	11.4	79.7	85	1227	13.3	79.4	86												
400	9.98	1204	12.9	79.1	86	1265	14.8	79.6	87	1325	16.8	79.7	88	1373	18.6	79.3	89				
440	10.98	1250	14.5	77.9	87	1309	16.6	78.9	88	1365	18.7	79.5	89	1409	20.4	79.7	90	1474	23.2	79.5	91
480	11.98	1298	16.2	76.4	88	1356	18.5	77.7	89	1410	20.7	78.7	90	1452	22.6	79.2	91	1513	25.4	79.6	92
520	12.98	1350	18.2	74.5	90	1404	20.6	76.3	90	1457	23.0	77.6	91	1497	24.9	78.3	92	1557	27.9	79.1	93
560	13.97	1404	20.4	72.3	91	1456	22.9	74.6	92	1506	25.4	76.2	92	1544	27.4	77.1	93				
600	14.97	1459	22.8	70.4	92	1510	25.4	72.6	93	1557	28.0	74.6	93	1594	30.1	75.7	94				
640	15.97	1517	25.3	68.3	94	1564	28.1	70.7	94												
680	16.97	1577	28.2	66.0	96																
720	17.97																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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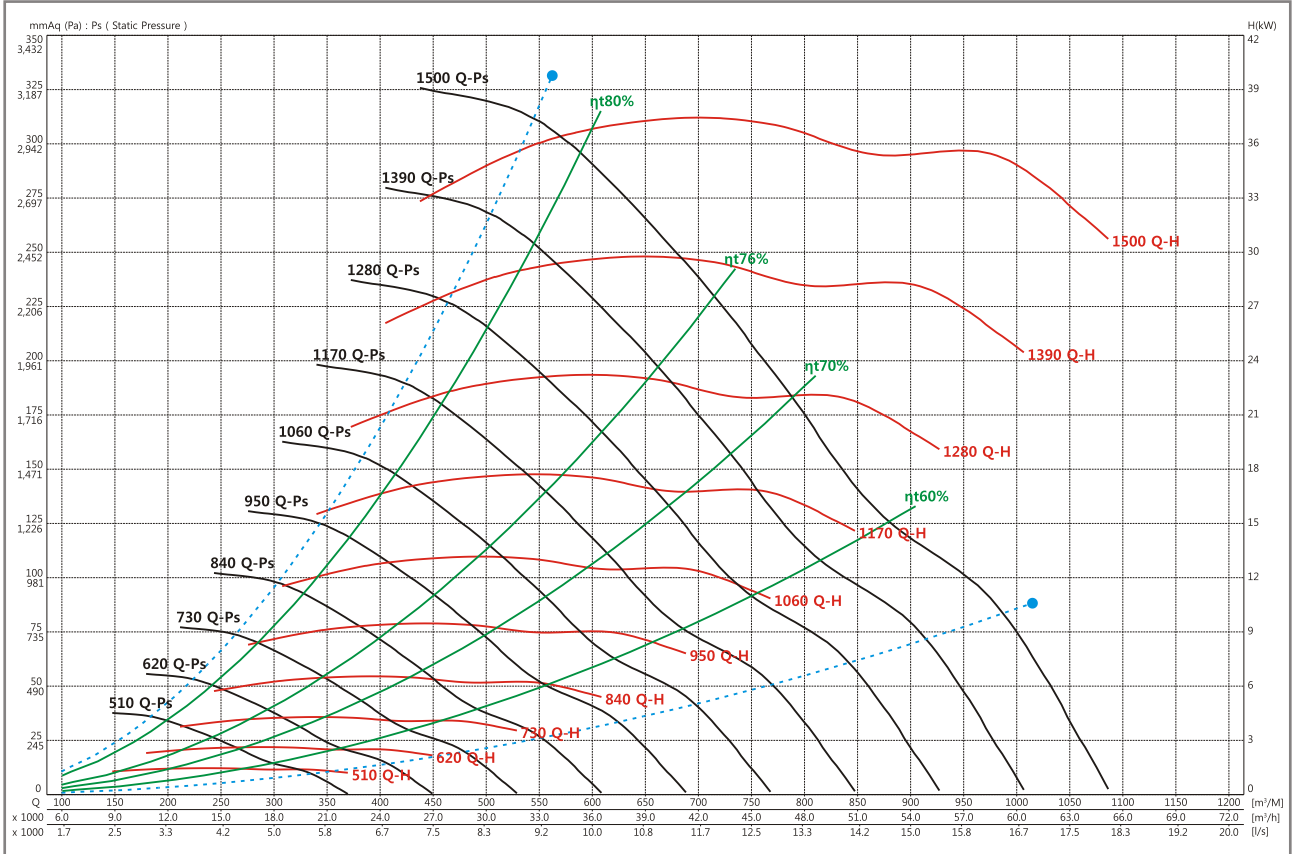


AIR FOIL FAN
GAF-SS series

GAF-6.5SS

FEG 85

Wheel dia	990 mm	Tip Speed = 0.051836 * rpm	Outlet Dim'	790 * 990	Outlet Area	0.7821 m ²	Class 1	1157 rpm	Class 2	1543 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
355	7.57	629	2.62	62.9	74	723	4.17	74.2	75	807	5.79	78.3	77	884	7.51	79.6	79	957	9.36	79.3	82
400	8.52	677	3.25	59.2	77	772	5.03	70.8	77	850	6.79	76.2	79	923	8.66	78.6	81	991	10.6	79.6	83
445	9.48	719	3.92	56.6	79	824	6.00	67.1	80	897	7.95	73.5	81	965	9.94	77.0	82	1029	12.0	78.7	84
490	10.44	764	4.70	54.1	81	876	7.11	63.8	82	945	9.22	70.8	83	1010	11.4	74.9	84	1072	13.6	77.3	85
535	11.40	815	5.66	51.0	83	926	8.31	60.9	85	997	10.7	67.9	85	1058	13.0	72.3	85	1116	15.4	75.4	87
580	12.36	870	6.79	47.9	85	971	9.60	58.6	86	1049	12.3	65.0	87	1107	14.8	70.0	87	1163	17.3	73.3	88
625	13.32	927	8.10	45.5	87	1013	10.9	56.8	88	1101	14.0	62.4	89	1159	16.7	67.5	89	1211	19.4	71.1	89
670	14.28	984	9.59	42.8	88	1057	12.5	55.0	89	1150	15.9	60.2	91	1211	18.9	65.0	91	1261	21.8	69.0	91
715	15.24	1042	11.3	40.9	90	1105	14.2	53.1	91	1194	17.8	58.4	92	1264	21.3	62.7	93	1314	24.3	66.6	93
760	16.20	1100	13.2	39.1	91	1157	16.2	50.9	92	1235	19.8	57.0	93	1312	23.7	60.8	94	1367	27.1	64.5	94
805	17.15	1159	15.2	37.1	93	1211	18.4	48.8	93	1278	22.0	55.6	94	1358	26.3	59.1	95	1418	30.1	62.6	96
850	18.11	1219	17.6	35.6	94	1267	20.9	46.7	95	1324	24.5	53.9	95	1400	28.9	57.7	96	1467	33.1	60.8	97

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
355	7.57																				
400	8.52	1055	12.6	79.5	84																
445	9.48	1091	14.2	79.5	85	1148	16.4	79.8	87	1207	18.8	79.3	88								
490	10.44	1130	15.9	78.6	86	1185	18.2	79.4	88	1239	20.7	79.7	89	1292	23.2	79.5	90	1345	25.9	79.0	91
535	11.40	1172	17.8	77.3	88	1225	20.3	78.5	89	1277	22.8	79.3	90	1326	25.5	79.6	91	1374	28.1	79.8	92
580	12.36	1215	19.9	75.7	89	1267	22.5	77.3	90	1317	25.2	78.3	91	1365	28.0	79.0	92	1411	30.8	79.5	93
625	13.32	1262	22.2	73.8	90	1311	24.9	75.8	91	1359	27.8	77.2	92	1406	30.7	78.1	93	1450	33.7	78.8	93
670	14.28	1310	24.7	71.8	91	1357	27.6	74.1	92	1403	30.6	75.7	93	1447	33.6	77.0	94	1492	36.8	77.8	94
715	15.24	1360	27.4	69.8	93	1406	30.6	72.2	93	1449	33.6	74.2	94	1492	36.8	75.6	95				
760	16.20	1411	30.3	67.9	95	1454	33.6	70.4	95	1497	37.0	72.3	95								
805	17.15	1465	33.6	65.7	96																
850	18.11																				

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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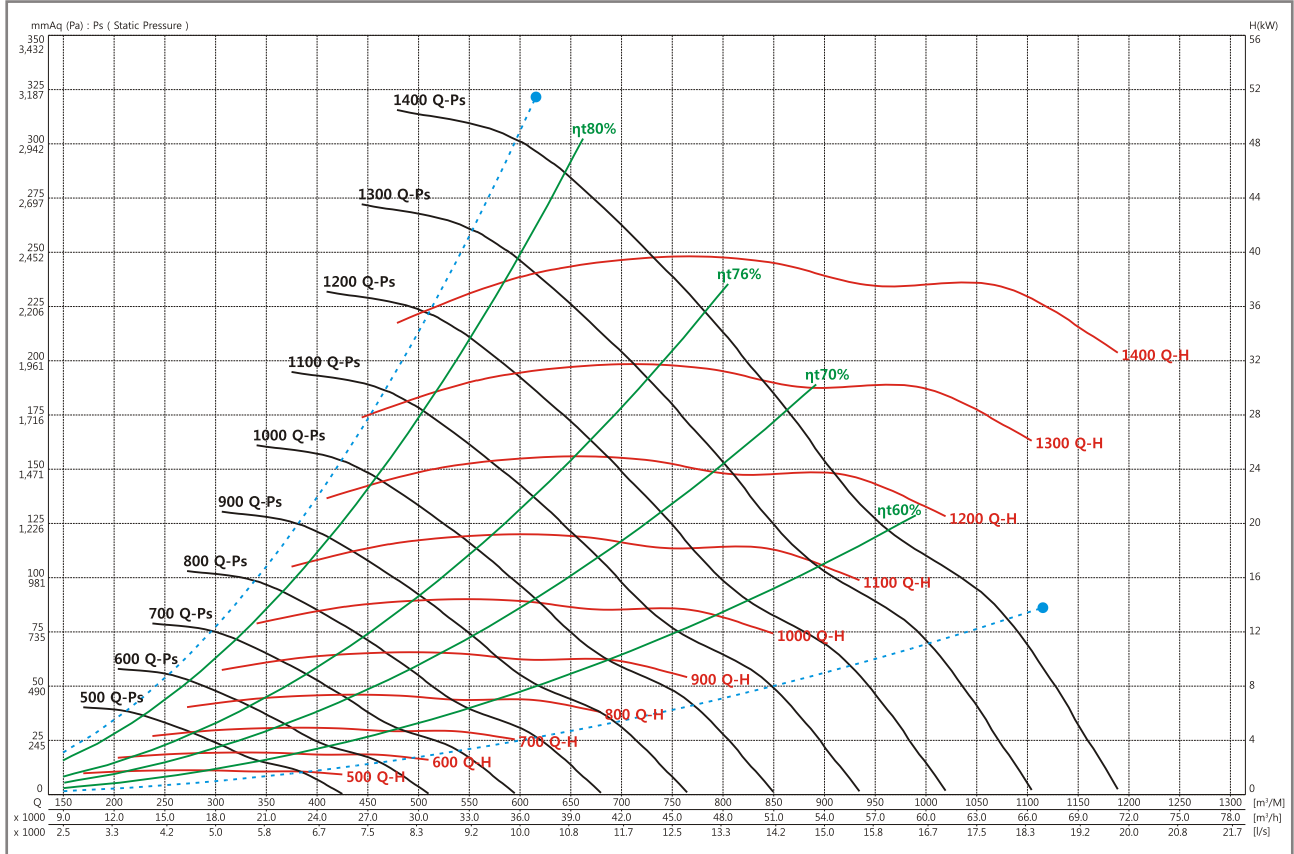
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GAF-7SS

FEG 85

Wheel dia	1066 mm	Tip Speed = 0.055816 * rpm	Outlet Dim'	845 * 1065	Outlet Area	0.8999 m ²	Class 1	1075 rpm	Class 2	1433 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
400	7.41	574	2.89	63.9	73	662	4.64	75.0	74	741	6.48	78.6	77	813	8.43	79.7	79	883	10.6	79.0	82
450	8.33	618	3.58	60.0	76	705	5.56	71.6	77	779	7.56	76.8	79	847	9.67	79.0	81	911	11.9	79.7	83
500	9.26	656	4.3	57.3	79	750	6.58	68.3	79	819	8.77	74.5	80	884	11.0	77.5	82	945	13.4	79.0	84
550	10.19	695	5.12	54.9	81	797	7.78	64.9	82	862	10.2	71.7	82	923	12.6	75.6	84	981	15.1	77.7	85
600	11.11	738	6.11	52.1	82	842	9.08	61.9	84	906	11.7	69.0	84	965	14.3	73.3	85	1020	17.0	76.2	86
650	12.04	786	7.29	49.4	84	884	10.5	59.5	86	954	13.4	66.1	86	1008	16.2	71.0	87	1060	19.0	74.3	88
700	12.96	836	8.65	46.5	86	923	11.9	57.6	88	1000	15.3	63.5	88	1053	18.3	68.8	89	1103	21.4	72.2	89
750	13.89	886	10.2	44.1	88	960	13.5	55.9	89	1044	17.3	61.3	90	1100	20.6	66.3	90	1147	23.8	70.1	91
800	14.82	937	11.9	42.0	89	1000	15.3	54.2	90	1086	19.4	59.3	92	1146	23.1	64.0	92	1192	26.5	68.0	92
850	15.74	989	13.9	40.0	91	1045	17.3	52.1	92	1124	21.6	57.9	93	1192	25.8	61.9	94	1240	29.5	65.8	94
900	16.67	1041	16.1	38.1	92	1092	19.6	50.1	93	1161	23.9	56.5	94	1234	28.5	60.1	95	1286	32.6	63.8	95
950	17.59	1094	18.5	36.7	93	1141	22.2	48.1	94	1200	26.4	55.0	95	1274	31.4	58.6	96	1331	35.9	62.0	97

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
400	7.41																				
450	8.33	972	14.2	79.3	84																
500	9.26	1002	15.8	79.6	85	1058	18.4	79.5	87												
550	10.19	1036	17.7	79.0	86	1088	20.4	79.6	88	1139	23.1	79.8	89	1190	26.1	79.3	90				
600	11.11	1073	19.8	77.8	87	1123	22.6	78.9	89	1171	25.5	79.5	90	1219	28.5	79.7	91	1265	31.6	79.5	92
650	12.04	1111	22.0	76.4	89	1160	25.0	77.8	90	1206	28.0	78.8	90	1252	31.2	79.3	91	1295	34.4	79.6	92
700	12.96	1151	24.4	74.8	90	1198	27.6	76.5	91	1243	30.8	77.7	91	1287	34.1	78.6	92	1329	37.4	79.2	93
750	13.89	1194	27.2	72.7	91	1238	30.4	75.0	92	1281	33.8	76.5	92	1324	37.2	77.6	93	1365	40.7	78.4	94
800	14.82	1237	30.0	70.9	92	1281	33.6	73.1	93	1322	37.0	75.0	94	1362	40.6	76.4	94				
850	15.74	1281	33.1	69.1	94	1323	36.8	71.5	94	1364	40.6	73.3	95								
900	16.67	1329	36.5	67.0	95	1367	40.3	69.8	95												
950	17.59	1375	40.1	65.1	97																

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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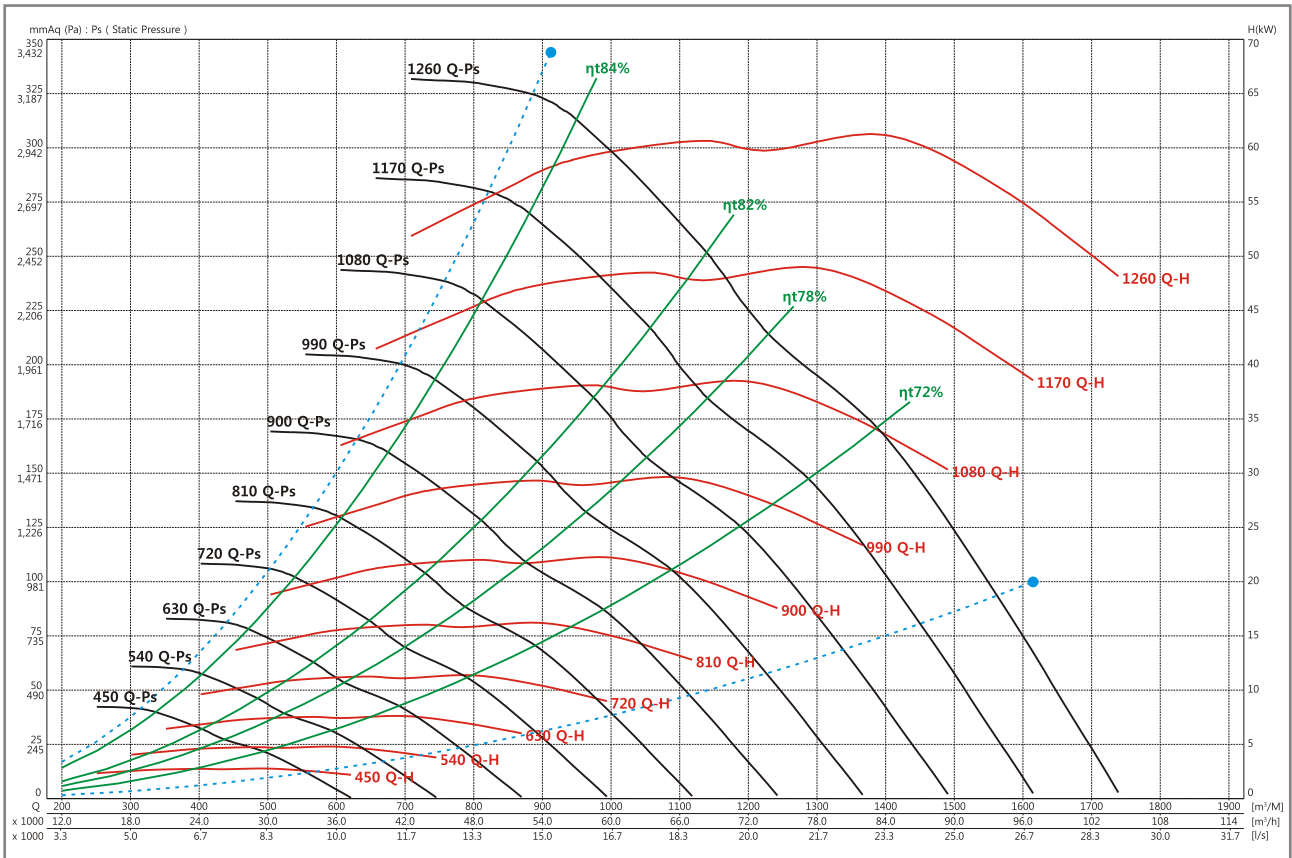
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GAF-8SS

FEG 85

Wheel dia	1210 mm	Tip Speed = 0.063356 * rpm	Outlet Dim'	965 * 1220	Outlet Area	1.1773 m ²	Class 1	947 rpm	Class 2	1263 rpm	Not Applicable
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Air flow (m ³ /min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
500	7.08	468	3.12	73.3	70	559	5.26	81.7	71	632	7.5	84.4	73	702	9.97	83.8	75				
575	8.14	508	3.96	68.9	73	600	6.44	78.5	74	667	8.92	82.8	75	729	11.5	84.4	77	789	14.3	84.2	79
650	9.20	553	4.99	64.3	77	636	7.74	75.5	77	705	10.5	80.5	77	763	13.3	83.2	79	818	16.3	84.4	80
725	10.26	599	6.21	59.9	80	670	9.17	72.6	79	746	12.3	77.7	80	799	15.4	81.3	81	852	18.6	83.2	82
800	11.33	647	7.66	56.0	82	710	10.9	69.4	82	780	14.3	75.4	82	841	17.8	78.9	83	888	21.1	81.5	84
875	12.39	696	9.36	52.6	85	754	12.8	66.1	84	814	16.4	73.0	84	879	20.3	76.7	85	930	24.0	79.4	86
950	13.45	746	11.3	49.7	87	800	15.0	63.1	86	852	18.9	70.5	86	912	23	74.7	87	969	27.1	77.4	87
1025	14.51	796	13.5	46.8	89	847	17.6	60.0	88	895	21.6	67.8	88	947	25.9	72.7	89	1003	30.4	75.6	89
1100	15.57	847	16.1	44.6	90	895	20.4	57.2	90	940	24.7	65.2	90	986	29.2	70.5	90	1036	33.9	73.9	90
1175	16.63	898	19.0	42.4	92	943	23.5	54.6	92	987	28.2	62.7	92	1029	32.9	68.2	92	1072	37.7	72.0	92
1250	17.70	950	22.3	40.8	94	992	27.1	52.4	93	1034	31.9	60.2	93	1073	36.9	65.8	93	1113	42.0	70.0	93
1325	18.76	1001	26.0	39.2	95	1042	31.0	50.2	95	1081	36.1	57.9	95	1119	41.3	63.6	95	1156	46.6	67.9	95

Air flow (m ³ /min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
500	7.08																				
575	8.14																				
650	9.20	870	19.3	84.5	81	925	22.7	83.4	83												
725	10.26	901	21.8	84.3	83	949	25.2	84.5	84	996	28.8	84.2	85								
800	11.33	936	24.7	83.1	85	980	28.2	84.1	86	1025	31.9	84.4	86	1067	35.7	84.5	87	1111	39.8	84.0	88
875	12.39	972	27.7	81.6	86	1015	31.6	82.9	87	1057	35.4	83.9	88	1097	39.4	84.4	88	1137	43.5	84.5	89
950	13.45	1013	31.2	79.7	88	1051	35.2	81.5	88	1092	39.4	82.7	89	1131	43.5	83.6	90	1168	47.7	84.2	90
1025	14.51	1053	34.9	77.8	89	1093	39.2	79.7	90	1129	43.5	81.3	90	1166	48.0	82.4	91	1203	52.5	83.3	91
1100	15.57	1088	38.7	76.1	91	1134	43.5	78.0	91	1171	48.2	79.6	92	1204	52.8	81.1	92	1238	57.5	82.1	92
1175	16.63	1121	42.8	74.5	92	1169	48.0	76.4	93	1211	53.1	78.0	93	1246	58.0	79.5	93				
1250	17.70	1156	47.2	72.9	94	1202	52.7	75.0	94	1246	58.2	76.5	94								
1325	18.76	1194	52.0	71.1	95	1236	57.7	73.4	95												

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015.Jan-R10.0

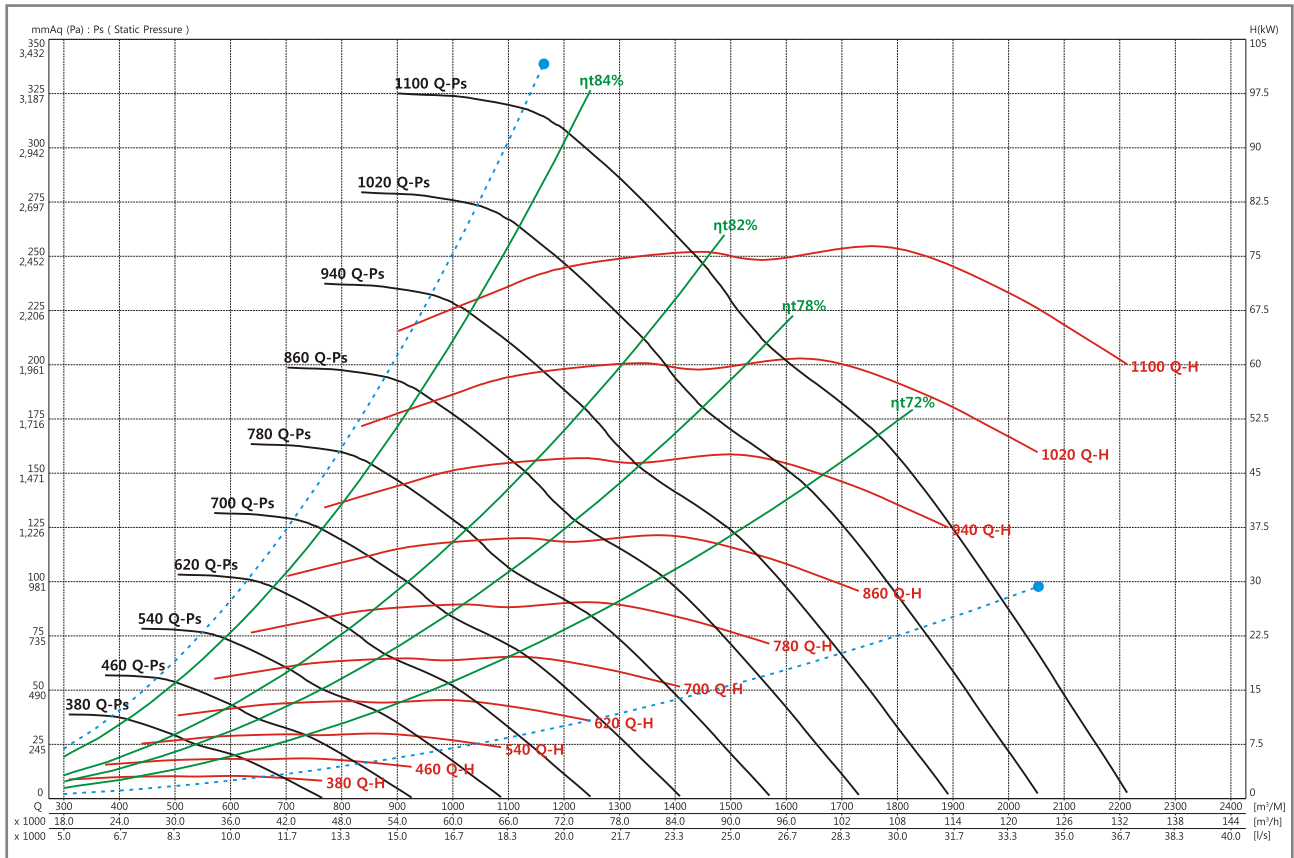
GAF-SS series

AIR FOIL FAN

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**GAF-9SS****FEG 85**

Wheel dia	1372 mm	Tip Speed = 0.071838 * rpm	Outlet Dim'	1080 * 1370	Outlet Area	1.4796 m ²	Class 1	835 rpm	Class 2	1114 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
600	6.76	399	3.59	75.1	68	479	6.18	82.9	70	546	8.94	84.5	72								
700	7.89	433	4.63	70.8	73	515	7.65	79.7	73	575	10.7	83.6	75	632	13.9	84.5	76	687	17.4	83.4	79
800	9.01	473	5.91	66.0	77	550	9.32	76.5	76	608	12.7	81.4	77	661	16.2	83.8	78	711	19.9	84.4	80
900	10.14	515	7.43	61.3	80	580	11.1	73.6	79	646	15.0	78.7	79	694	18.9	81.9	80	741	22.8	83.7	82
1000	11.26	559	9.30	57.4	82	615	13.3	70.4	81	679	17.6	76.0	82	732	22.0	79.6	83	774	26.2	82.1	83
1100	12.39	603	11.4	53.5	85	655	15.8	67.0	84	710	20.4	73.7	84	767	25.2	77.3	85	810	29.9	80.0	85
1200	13.52	648	13.9	50.2	87	697	18.7	63.8	86	744	23.5	71.1	86	798	28.8	75.2	87	848	34.0	77.9	87
1300	14.64	694	16.9	47.6	89	739	21.9	60.4	89	783	27.2	68.4	88	829	32.6	73.1	89	879	38.3	75.9	89
1400	15.77	740	20.2	44.7	91	783	25.6	57.6	91	824	31.2	65.7	90	864	36.9	70.8	90	909	42.8	74.1	91
1500	16.90	787	24.0	42.6	93	827	29.7	54.9	92	866	35.7	63.0	92	903	41.7	68.4	92	942	47.9	72.2	93
1600	18.02	834	28.3	40.8	94	872	34.4	52.5	94	909	40.7	60.4	94	944	47.1	66.1	94	979	53.6	70.1	94
1700	19.15	881	33.1	39.1	96	917	39.5	50.1	96	952	46.1	57.9	96	985	52.8	63.6	96	1018	59.7	67.9	96

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
600	6.76																				
700	7.89																				
800	9.01	760	23.8	84.1	81																
900	10.14	786	27.0	84.4	83	829	31.3	84.5	84	873	35.9	83.6	85								
1000	11.26	816	30.6	83.6	84	856	35.0	84.3	85	896	39.8	84.5	86	935	44.7	84.2	87	975	49.9	83.4	89
1100	12.39	849	34.6	82.0	86	888	39.5	83.3	87	925	44.3	84.1	88	961	49.4	84.4	88	996	54.6	84.5	89
1200	13.52	885	39.0	80.2	88	920	44.1	81.8	88	956	49.4	83.0	89	991	54.7	83.9	90	1024	60.1	84.3	90
1300	14.64	923	43.9	78.2	90	957	49.4	80.1	90	989	54.9	81.6	91	1023	60.6	82.7	91	1055	66.3	83.5	92
1400	15.77	955	49.0	76.4	91	995	55.1	78.3	92	1027	61.0	79.9	92	1056	66.8	81.3	92	1088	73.1	82.3	93
1500	16.90	985	54.4	74.7	93	1028	61.1	76.6	93	1064	67.4	78.2	93	1095	73.9	79.7	94				
1600	18.02	1017	60.3	73.0	94	1058	67.3	75.1	94	1097	74.2	76.7	95								
1700	19.15	1052	66.7	71.2	96	1089	74.0	73.5	96												

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

2015.Jan-R10.0

GAF-SS series

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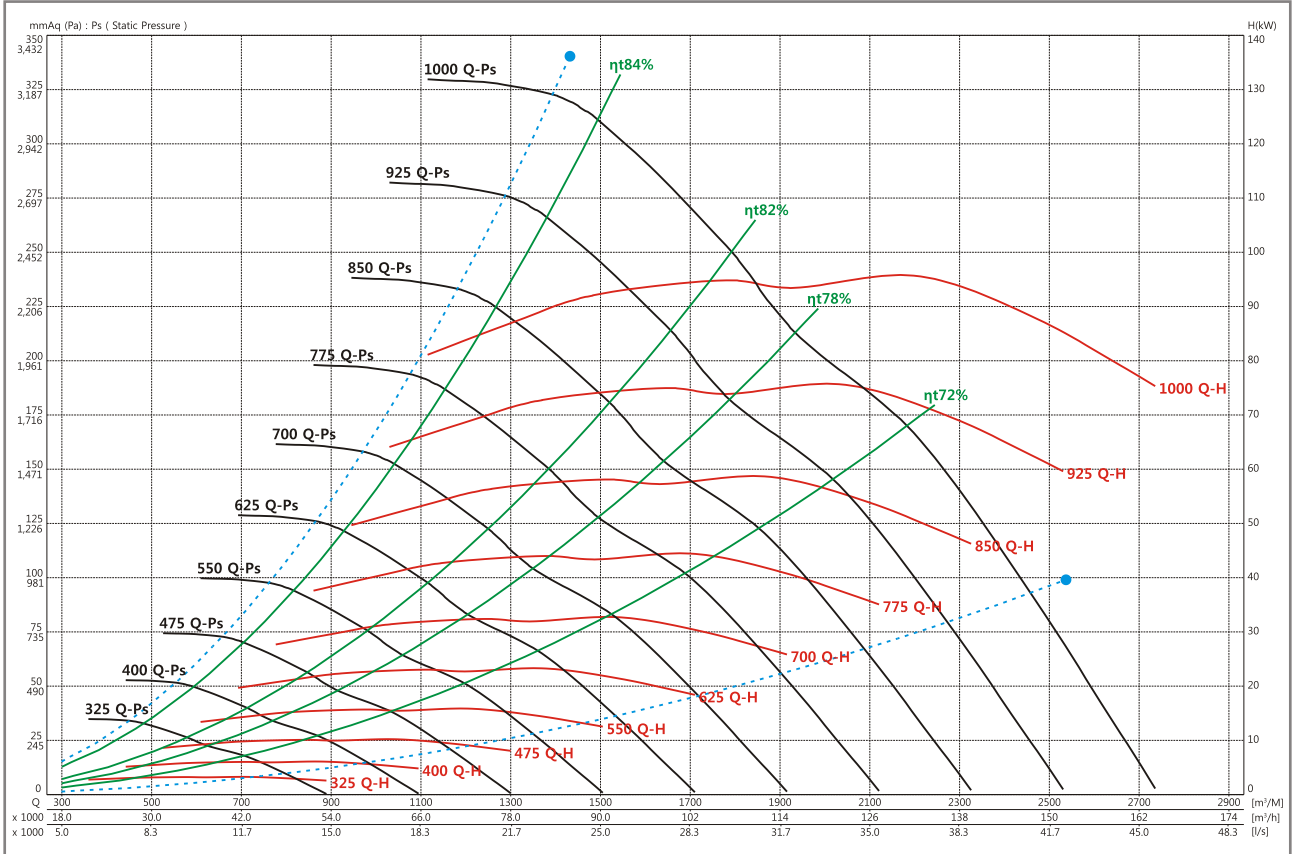


AIR FOIL FAN
GAF-SS series

GAF-10SS

FEG 85

Wheel dia	1520 mm	Tip Speed = 0.079587 * rpm	Outlet Dim'	1200 * 1525	Outlet Area	1.8300 m ²	Class 1	754 rpm	Class 2	1005 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
900	8.20	402	6.14	69.0	74	476	10.0	78.7	75	529	13.9	83.0	76	579	18.0	84.4	77	627	22.4	84.2	79
1000	9.11	432	7.48	65.2	77	500	11.7	76.1	77	554	16.0	81.0	78	601	20.3	83.6	79	646	25.0	84.4	80
1100	10.02	463	9.01	61.3	80	523	13.6	73.7	80	582	18.4	78.8	80	625	23.0	82.0	81	668	27.9	83.8	82
1200	10.93	495	10.8	58.0	83	548	15.7	71.2	82	607	20.9	76.6	82	652	26.0	80.2	82	692	31.2	82.5	83
1300	11.84	528	12.9	55.1	85	576	18.0	68.3	84	629	23.6	74.7	84	680	29.3	78.2	84	717	34.7	80.9	85
1400	12.75	561	15.3	52.2	87	606	20.7	65.6	86	653	26.6	72.7	85	704	32.7	76.4	86	745	38.6	79.1	86
1500	13.66	594	17.9	49.6	88	637	23.7	62.9	87	679	29.8	70.5	87	726	36.3	74.7	87	772	42.9	77.4	88
1600	14.57	628	20.9	47.3	90	669	27.1	60.4	89	708	33.5	68.2	89	749	40.1	72.9	89	795	47.3	75.9	89
1700	15.48	662	24.2	45.2	91	701	30.7	58.0	91	738	37.5	66.1	91	775	44.4	71.2	90	817	51.8	74.4	91
1800	16.39	696	27.8	43.3	93	733	34.7	55.7	92	769	42.0	63.9	92	803	49.1	69.2	92	840	56.6	72.8	92
1900	17.30	731	32.0	41.8	94	766	39.2	53.8	94	800	46.7	61.7	94	833	54.4	67.3	93	866	62.0	71.2	94
2000	18.21	766	36.5	40.4	95	799	44.0	51.7	95	832	51.9	59.7	95	863	59.8	65.4	95	894	67.9	69.5	95

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
900	8.20																				
1000	9.11	689	29.8	84.2	82																
1100	10.02	708	32.9	84.4	83	747	38.2	84.5	84	788	43.9	83.5	86								
1200	10.93	730	36.4	83.8	84	767	41.9	84.4	85	803	47.6	84.5	86	839	53.6	84.0	87				
1300	11.84	754	40.4	82.7	86	789	46.0	83.8	86	824	52.1	84.4	87	857	58.2	84.5	88	890	64.5	84.2	89
1400	12.75	779	44.7	81.3	87	813	50.7	82.7	88	846	56.8	83.8	88	878	63.2	84.3	89	909	69.7	84.4	90
1500	13.66	807	49.2	79.6	88	838	55.7	81.5	89	870	62.2	82.7	90	900	68.6	83.6	90	930	75.3	84.2	91
1600	14.57	834	54.1	78.1	90	865	60.8	80.0	90	894	67.6	81.6	91	924	74.6	82.6	91	953	81.5	83.4	92
1700	15.48	858	59.2	76.6	91	893	66.5	78.6	92	922	73.8	80.3	92	949	81.0	81.6	93	977	88.3	82.5	93
1800	16.39	880	64.5	75.3	93	918	72.4	77.1	93	950	80.2	78.9	93	976	87.6	80.3	94				
1900	17.30	903	70.2	73.9	94	941	78.6	75.8	94	976	86.9	77.5	95								
2000	18.21	927	76.2	72.5	95	963	84.9	74.6	95	999	93.8	76.2	96								

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

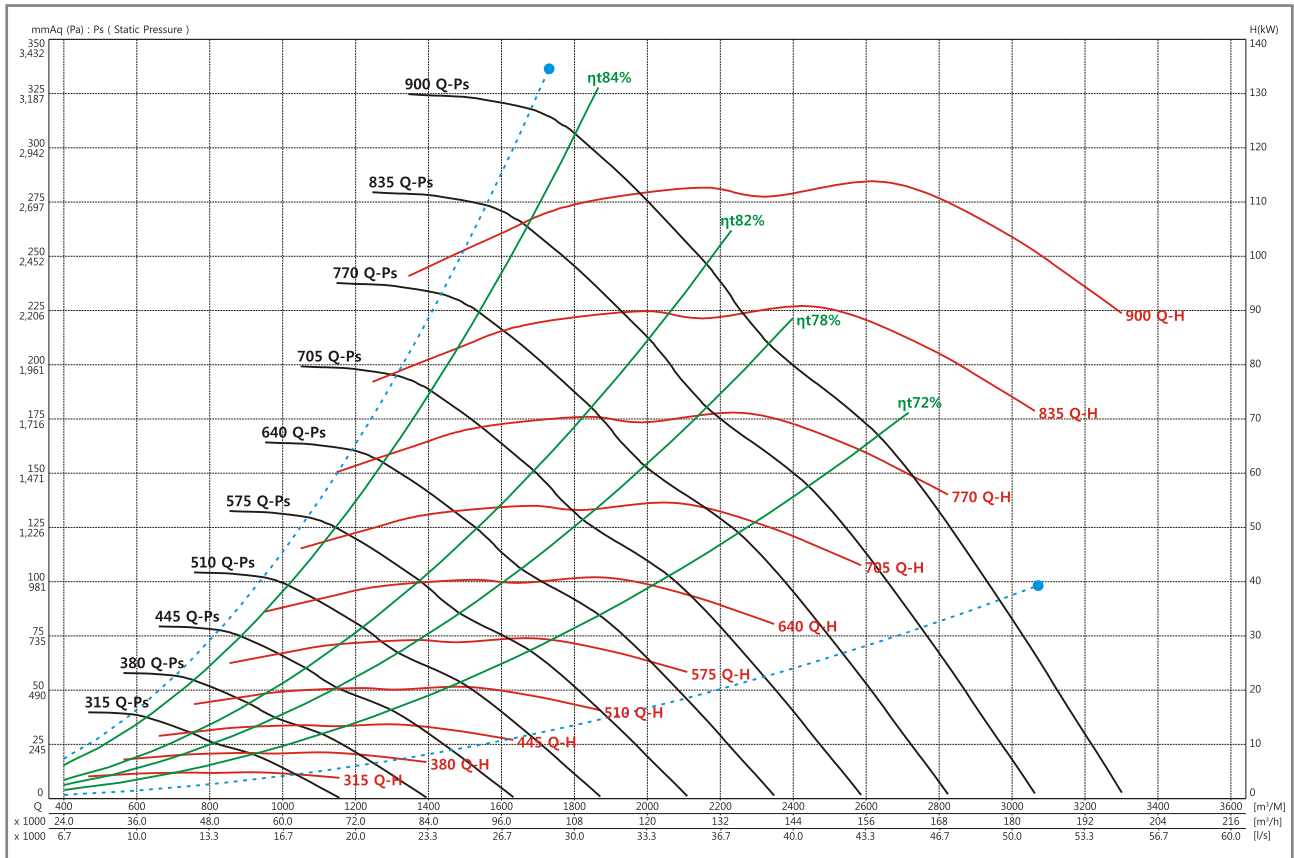
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GAF-11SS

FEG 85

Wheel dia	1676 mm	Tip Speed = 0.087755 * rpm	Outlet Dim'	1320 * 1675	Outlet Area	2.2110 m ²	Class 1	684 rpm	Class 2	912 rpm	Not Applicable
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Air flow (m ³ /min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1000	7.54	345	6.41	72.2	72	412	10.7	80.9	73	463	15.1	84.1	75	511	19.8	84.4	77				
1125	8.48	371	7.87	68.1	75	438	12.7	78.0	76	485	17.6	82.5	77	530	22.5	84.3	78	572	27.9	84.5	80
1250	9.42	400	9.63	64.2	79	459	14.9	75.4	79	509	20.2	80.4	79	551	25.7	83.1	80	591	31.3	84.4	81
1375	10.36	429	11.6	60.3	82	481	17.3	73.0	81	535	23.3	78.0	81	574	29.1	81.5	82	612	35.1	83.4	83
1500	11.31	459	14.0	57.0	84	505	20.0	70.2	83	557	26.5	75.9	83	600	33.0	79.5	83	634	39.3	82.0	84
1625	12.25	489	16.7	53.9	86	532	23.1	67.4	85	578	30.0	74.0	85	625	37.1	77.5	85	659	43.9	80.3	86
1750	13.19	520	19.8	51.2	88	561	26.6	64.6	87	601	33.8	71.9	87	646	41.5	75.7	87	685	48.9	78.5	87
1875	14.13	551	23.2	48.6	90	590	30.5	61.8	89	627	38.1	69.6	88	667	46.0	74.0	88	709	54.4	76.8	89
2000	15.08	583	27.2	46.5	91	619	34.8	59.3	91	654	42.8	67.2	90	689	51.1	72.2	90	729	59.8	75.2	90
2125	16.02	615	31.5	44.4	93	649	39.6	56.9	92	682	48.1	65.0	92	715	56.7	70.2	92	750	65.7	73.7	92
2250	16.96	647	36.4	42.6	94	680	44.9	54.7	94	711	53.8	62.8	93	742	62.9	68.2	93	773	72.1	72.1	93
2375	17.90	679	41.7	40.9	95	710	50.7	52.6	95	740	59.9	60.5	95	769	69.4	66.2	95	798	79.1	70.2	95

Air flow (m ³ /min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1000	7.54																				
1125	8.48																				
1250	9.42	629	37.2	84.5	82	668	43.7	83.5	84												
1375	10.36	648	41.3	84.4	84	683	47.8	84.5	85	718	54.7	84.0	86								
1500	11.31	669	45.9	83.5	85	702	52.7	84.3	86	734	59.7	84.5	87	766	67.0	84.3	88	799	74.8	83.5	89
1625	12.25	692	51.0	82.2	86	723	58.0	83.4	87	754	65.3	84.2	88	784	72.9	84.4	89	813	80.6	84.5	89
1750	13.19	716	56.4	80.7	88	746	63.9	82.2	88	775	71.5	83.3	89	804	79.3	84.1	90	832	87.4	84.4	91
1875	14.13	742	62.3	79.0	89	770	70.3	80.9	90	798	78.3	82.2	90	826	86.6	83.2	91	852	94.8	83.9	92
2000	15.08	766	68.5	77.4	91	796	77.1	79.3	91	822	85.6	81.0	92	848	94.1	82.1	92	874	102.9	83.0	93
2125	16.02	788	75.1	75.9	92	821	84.3	77.8	92	848	93.4	79.5	93	872	102.2	80.9	93	897	111.5	82.0	94
2250	16.96	808	81.8	74.6	93	843	91.8	76.5	94	873	101.4	78.1	94	898	111.0	79.5	95				
2375	17.90	830	89.2	73.1	95	864	99.6	75.2	95	896	110.0	76.8	95								

- The sound pressure level(SPL) is the value calculated on the assumption of the sound power level(PWL) value on the free-field in sound source at 1.5m distance.
- The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL dB(A) sound power levels for installation type B. Rating do not include the effect of duct end corrections.
- Performance shown is for AMCA 210 Fig-12 & Installation type B. Performance ratings do not include the effects of appurtenances in the airstream. Power rating kW does not include V-belt drive & motor efficiency losses.

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GAF-SS series

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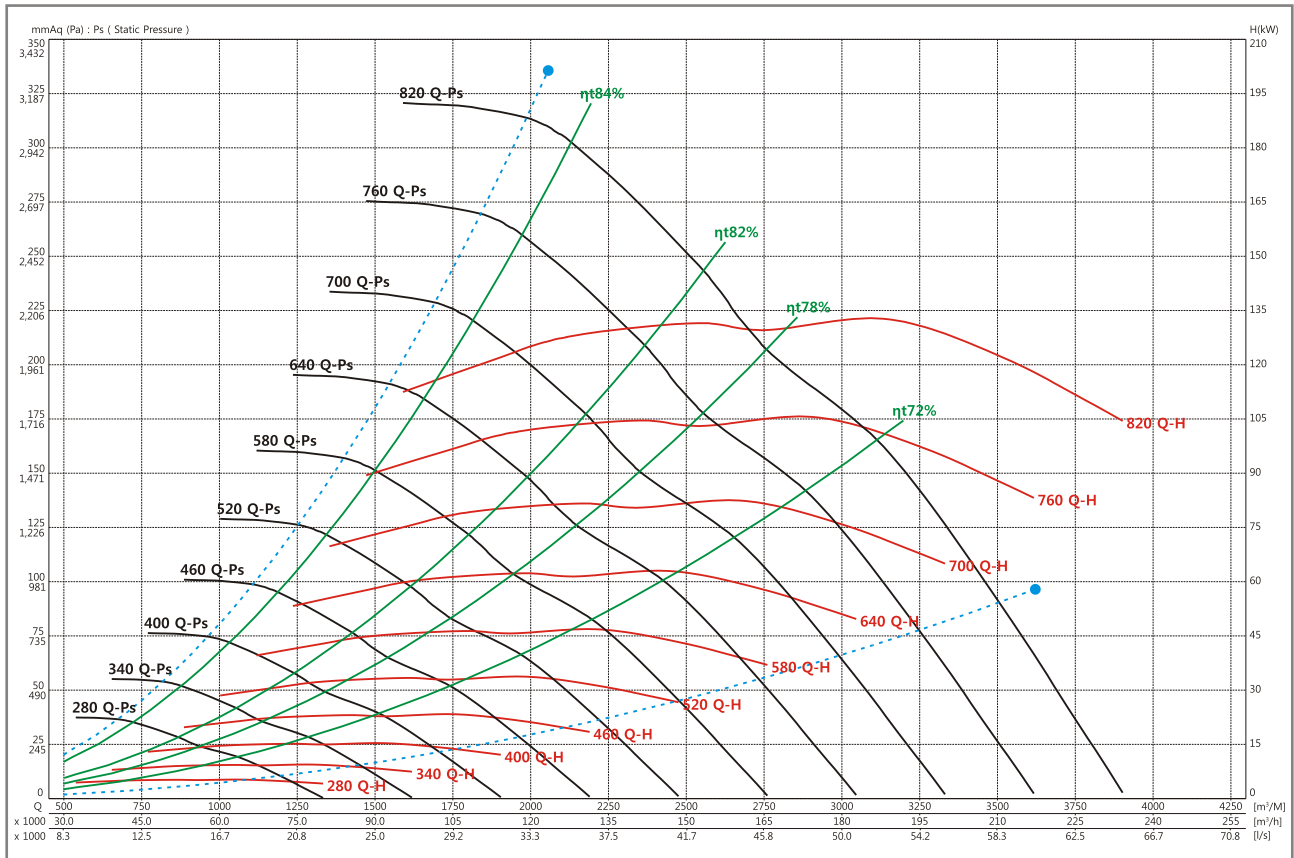
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GAF-12SS

FEG 85

Wheel dia	1828 mm	Tip Speed = 0.095714 * rpm	Outlet Dim'	1440 * 1830	Outlet Area	2.6352 m ²	Class 1	627 rpm	Class 2	836 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1250	7.91	326	8.29	70.5	74	387	13.7	79.6	74	433	19.1	83.6	76	475	24.9	84.5	77	517	31.2	83.4	80
1400	8.85	351	10.2	66.4	77	410	16.2	76.9	77	453	22.1	81.7	78	493	28.2	84.0	79	531	34.8	84.5	80
1550	9.80	378	12.4	62.6	80	429	18.9	74.4	80	477	25.6	79.4	81	514	32.3	82.5	81	550	39.1	84.1	82
1700	10.75	405	15.0	59.0	83	450	21.9	71.8	82	500	29.3	77.1	83	536	36.6	80.7	83	570	43.9	82.8	84
1850	11.70	433	18.0	55.5	86	474	25.3	68.9	84	519	33.3	75.1	84	560	41.3	78.6	85	591	49.1	81.3	85
2000	12.65	461	21.4	52.6	88	500	29.3	66.1	87	539	37.7	73.0	86	582	46.4	76.7	86	616	55.0	79.4	87
2150	13.60	490	25.3	49.8	90	526	33.7	63.3	88	561	42.4	70.8	88	601	51.7	75.0	88	639	61.2	77.6	88
2300	14.55	519	29.8	47.6	91	553	38.6	60.6	90	586	47.8	68.4	90	621	57.5	73.1	90	659	67.7	76.0	90
2450	15.50	548	34.6	45.2	93	581	44.1	58.2	92	612	53.9	66.1	91	643	63.9	71.3	91	678	74.5	74.5	91
2600	16.44	578	40.2	43.5	94	609	50.1	55.8	93	638	60.4	63.9	93	667	70.8	69.2	93	698	81.8	72.9	93
2750	17.39	608	46.3	41.7	95	637	56.9	53.8	95	665	67.6	61.6	94	692	78.5	67.2	94	720	89.7	71.2	94
2900	18.34	638	53.1	40.3	97	666	64.1	51.7	96	693	75.4	59.6	96	718	86.8	65.2	96	744	98.6	69.4	96

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1250	7.91																				
1400	8.85	569	41.8	83.8	82																
1550	9.80	584	46.3	84.4	83	617	53.9	84.2	84												
1700	10.75	602	51.4	84.1	84	634	59.4	84.4	85	664	67.5	84.5	86	695	76.3	83.6	88				
1850	11.70	622	57.2	82.9	86	652	65.4	84.0	87	681	73.8	84.4	87	709	82.6	84.5	88	737	91.7	84.2	89
2000	12.65	644	63.5	81.6	87	672	72.1	82.9	88	700	80.9	83.9	89	727	90.1	84.4	89	753	99.5	84.5	90
2150	13.60	668	70.4	79.9	89	693	79.4	81.7	89	720	88.8	82.8	90	746	98.1	83.7	91	771	107.8	84.3	91
2300	14.55	691	77.6	78.3	90	717	87.2	80.2	91	741	97.1	81.7	91	766	107.1	82.7	92	791	117.2	83.6	92
2450	15.50	712	85.2	76.7	92	741	95.8	78.7	92	765	106.1	80.3	92	787	116.4	81.6	93	811	127.2	82.5	93
2600	16.44	731	93.1	75.3	93	763	104.5	77.1	93	789	115.5	78.9	94	811	126.5	80.3	94				
2750	17.39	751	101.6	73.9	94	782	113.7	75.8	95	811	125.7	77.4	95								
2900	18.34	772	110.8	72.4	96	801	123.2	74.5	96												

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GAF-SS series

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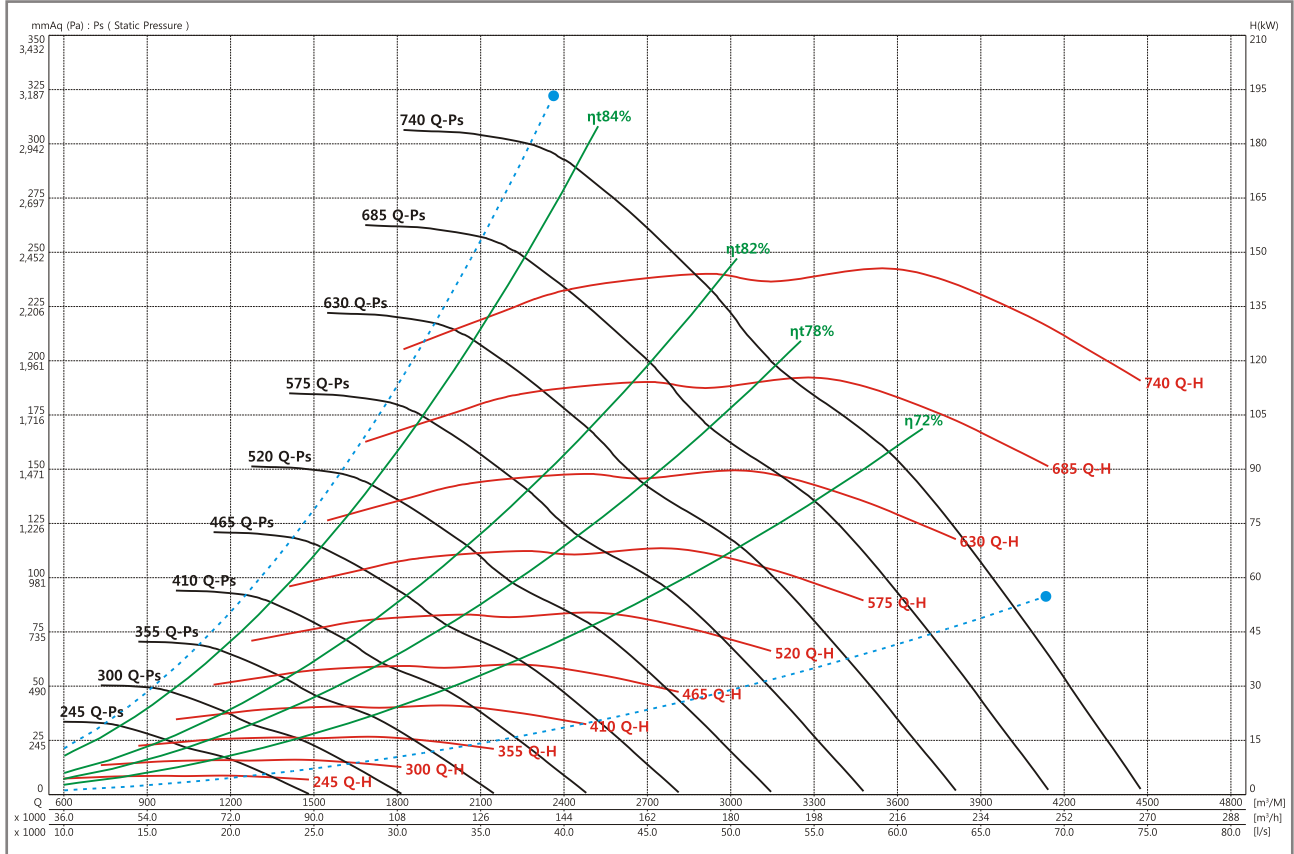
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GAF-13SS

FEG 85

Wheel dia	1980 mm	Tip Speed = 0.103673 * rpm	Outlet Dim'	1560 * 1980	Outlet Area	3.0888 m ²	Class 1	579 rpm	Class 2	772 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1400	7.55	293	8.99	72.1	73	349	15.0	80.8	73	392	21.1	84.1	75	433	27.8	84.4	77				
1600	8.63	318	11.4	67.4	77	374	18.3	77.5	76	414	25.1	82.2	78	451	32.1	84.2	79	487	39.7	84.5	80
1800	9.71	346	14.2	62.9	80	394	21.8	74.7	80	438	29.5	79.6	80	473	37.4	82.6	81	506	45.3	84.2	82
2000	10.79	375	17.7	58.8	84	416	25.8	71.7	82	462	34.5	77.0	83	496	43.0	80.6	83	527	51.7	82.7	84
2200	11.87	404	21.7	54.9	86	441	30.5	68.4	85	482	39.9	74.8	85	521	49.5	78.3	86	550	58.8	81.0	86
2400	12.95	434	26.4	51.7	89	469	35.9	65.3	88	504	45.8	72.4	87	543	56.4	76.1	87	575	66.7	78.9	88
2600	14.03	464	31.9	48.9	91	497	42.0	62.1	90	528	52.6	69.8	89	563	63.6	74.2	89	598	75.0	76.9	89
2800	15.11	495	38.1	46.3	93	526	49.0	59.3	92	555	60.2	67.1	91	585	71.8	72.2	91	618	83.9	75.2	91
3000	16.19	526	45.2	43.9	94	555	56.7	56.5	94	582	68.6	64.5	93	609	80.8	69.8	93	639	93.4	73.3	93
3200	17.27	557	53.3	42.1	96	584	65.4	54.0	95	610	77.9	61.9	95	636	90.8	67.5	94	661	103.8	71.4	94
3400	18.35	588	62.1	40.2	97	614	75.1	51.8	97	639	88.4	59.6	96	663	101.7	65.2	96	687	115.6	69.4	96
3600	19.43	620	72.0	38.6	99	644	85.7	49.6	98	668	99.7	57.4	98	691	113.7	63.0	98	713	128.2	67.3	97

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1400	7.55																				
1600	8.63	522	47.7	83.4	82																
1800	9.71	537	53.7	84.5	83	568	62.5	84.1	85												
2000	10.79	557	60.6	84.1	85	585	69.8	84.4	86	613	79.2	84.5	87	642	89.7	83.7	88				
2200	11.87	578	68.3	82.7	86	605	78.0	83.9	87	631	87.9	84.4	88	657	98.4	84.5	89	683	109.3	84.2	90
2400	12.95	601	76.9	81.1	88	627	87.3	82.5	89	652	97.7	83.6	89	676	108.5	84.2	90	700	119.8	84.4	91
2600	14.03	626	86.2	79.2	90	649	97.1	81.0	90	673	108.3	82.3	91	697	119.7	83.3	91	720	131.3	84.0	92
2800	15.11	650	96.2	77.3	91	675	107.9	79.3	92	696	119.7	80.9	92	719	132.0	82.1	93				
3000	16.19	670	106.6	75.7	93	699	119.6	77.5	93	722	132.5	79.2	93								
3200	17.27	690	117.6	74.1	94	720	131.8	76.0	95												
3400	18.35	712	129.8	72.4	96	740	144.5	74.6	96												
3600	19.43	736	142.8	70.6	97																

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GAF-SS series

AIR FOIL FAN

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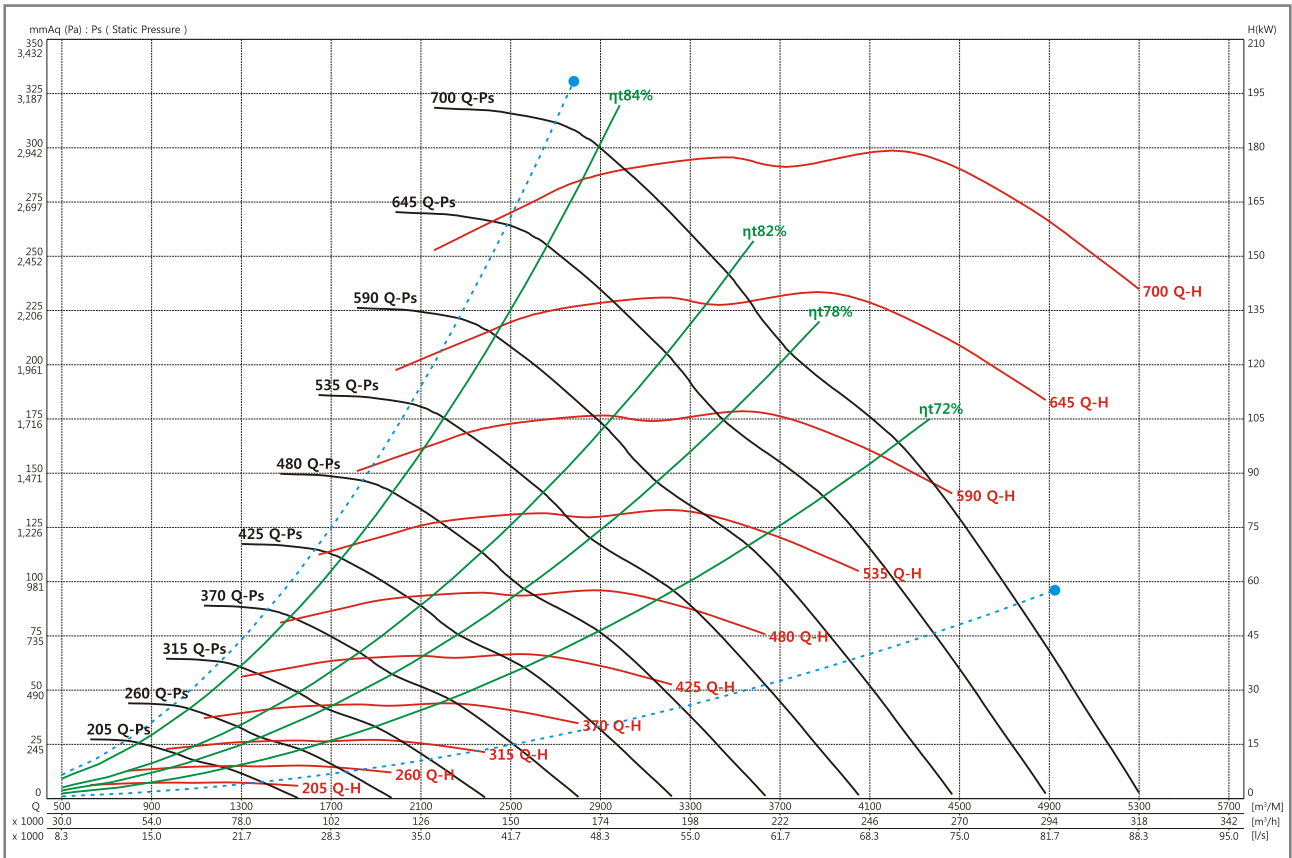


AIR FOIL FAN
GAF-SS series

GAF-14SS

FEG 85

Wheel dia	2138 mm	Tip Speed = 0.111945 * rpm	Outlet Dim'	1680 * 2135	Outlet Area	3.5868 m ²	Class 1	536 rpm	Class 2	715 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	25 mmAq (245 Pa)				50 mmAq (490 Pa)				75 mmAq (735 Pa)				100 mmAq (981 Pa)				125 mmAq (1226 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1900	8.83	298	13.7	66.8	78	349	21.9	77.1	77	386	30.0	81.8	78	420	38.3	84.1	79	453	47.2	84.5	81
2100	9.76	320	16.7	63.0	81	365	25.4	74.7	80	406	34.5	79.6	80	437	43.5	82.6	81	468	52.8	84.2	83
2300	10.69	343	20.1	59.4	84	382	29.4	72.2	82	425	39.5	77.4	83	456	49.2	80.9	83	485	59.2	83.0	84
2500	11.62	366	23.9	56.0	86	402	34.0	69.4	84	441	44.7	75.4	85	476	55.5	78.9	86	502	66.1	81.5	86
2700	12.55	390	28.4	53.1	88	423	39.1	66.6	87	458	50.4	73.4	87	494	62.2	77.0	87	523	73.8	79.7	87
2900	13.48	414	33.5	50.4	90	445	44.9	63.9	89	476	56.7	71.3	89	510	69.3	75.3	89	542	81.9	78.0	89
3100	14.40	438	39.2	48.1	92	468	51.3	61.2	91	496	63.8	69.0	90	527	76.9	73.6	90	559	90.5	76.4	90
3300	15.33	462	45.6	45.9	94	491	58.4	58.8	93	517	71.6	66.7	92	544	85.1	71.8	92	575	99.4	74.9	92
3500	16.26	487	52.8	43.9	95	514	66.2	56.5	94	539	80.1	64.5	94	564	94.2	69.8	93	592	109.0	73.3	93
3700	17.19	512	60.7	42.2	96	537	74.8	54.3	96	562	89.4	62.3	95	585	104.2	67.8	95	609	119.4	71.7	94
3900	18.12	537	69.5	40.7	98	561	84.3	52.3	97	584	99.5	60.2	96	607	115.0	65.9	96	629	130.8	70.0	96
4100	19.05	562	79.1	39.3	99	585	94.6	50.4	98	607	110.5	58.3	98	629	126.7	64.0	97	650	143.2	68.2	97

Air flow (m³/min)	Outlet Vel (m/sec)	150 mmAq (1471 Pa)				175 mmAq (1716 Pa)				200 mmAq (1961 Pa)				225 mmAq (2206 Pa)				250 mmAq (2452 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
1900	8.83	485	56.8	83.7	83																
2100	9.76	497	62.7	84.5	83	526	73.0	84.1	85												
2300	10.69	513	69.4	84.2	85	540	80.2	84.4	86	566	91.3	84.3	87	593	103.4	83.4	88				
2500	11.62	529	77.0	83.1	86	555	88.1	84.1	87	580	99.7	84.4	88	604	111.6	84.5	89	628	124.3	84.0	90
2700	12.55	547	85.2	81.8	88	572	97.0	83.1	88	595	108.9	84.0	89	618	121.4	84.4	90	641	134.2	84.5	90
2900	13.48	566	94.1	80.3	89	589	106.6	81.9	90	612	119.3	83.1	90	634	132.0	83.9	91	656	145.2	84.4	91
3100	14.40	586	103.7	78.7	91	608	116.8	80.6	91	629	130.1	81.9	91	651	143.7	83.0	92	672	157.3	83.8	92
3300	15.33	604	113.9	77.1	92	628	127.9	79.0	92	648	141.9	80.7	93	668	156.1	81.9	93	689	170.4	82.8	93
3500	16.26	621	124.4	75.7	93	647	139.7	77.5	93	669	154.5	79.2	94	687	169.2	80.7	94				
3700	17.19	637	135.4	74.3	95	664	151.7	76.2	95	688	167.8	77.8	95								
3900	18.12	654	147.3	72.9	96	680	164.2	75.0	96												
4100	19.05	672	159.9	71.4	97	696	177.6	73.6	97												

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2015Jan-R10.0

송풍기 견적 및 발주 사양서

주 문 주:	납품장소:	부 품 속 구 비 서 류	상대플랜지 : 유 무
주 문 일: 20 . . .	용 도:		☆담 퍼 : 유토출 흡입무
수 량:	설치장소:		☆공동배드 : 유 무
납 기: 20 . . .	운전조건:		☆기초보울트 : 유 무
종 류:	온 도: MAX at ℃		☆캔바스 : 유토출 흡입무
모 델: G	습 도: %		☆방 진 : 유 무
품 량: m³/min at ℃	취급기체:		☆
풍 압: mmAq at ℃	기체성질:		입회검사 : 유 무
회 전 수: r.p.m	비 중 량: kg/m³		시험성적서 : 유 무
토 출 구: mm × mm	재 질: CASING:		바란싱성적서 : 유 무
흡 입 구: Ø mm	IMPELLER:	외형치수검사서: 유 무	
흡입방식: 편흡입 양흡입	SHAFT:		
전 동 기: TYPE, KW- P- r.p.m- , Ø HZ- VOLT, MAKER:			수주측부담 ☐
도 장: 제조회사기본 지정:			발주측부담 ☐

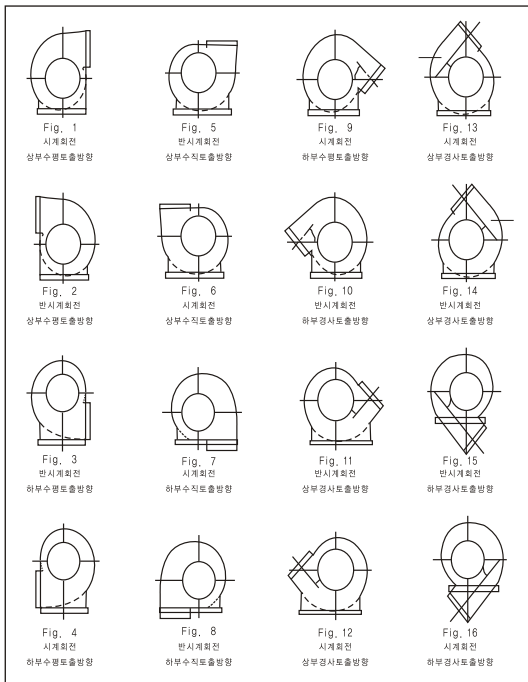
비 고: 송풍기 모델기입"예"

GTF- # 4.5-G6-Z

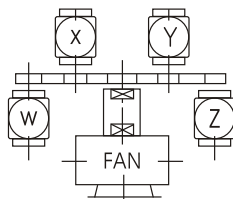
송풍기의 종류 ← 전동기의 위치
 송풍기의 크기 ← 송풍기의 구동방법

송풍기의 구동방법

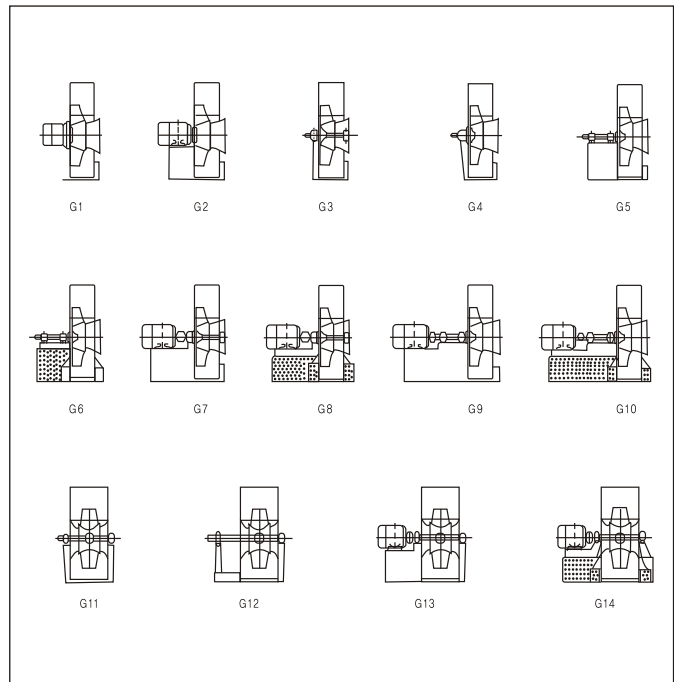
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전동기의 위치

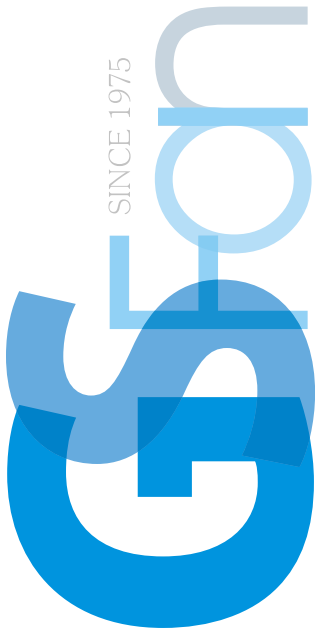


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