

AIR FOIL FAN
GAF-DS series

SINCE 1975

GSD

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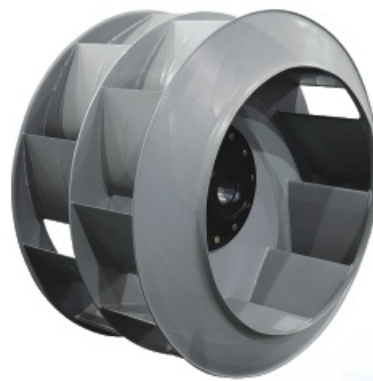
AIR FOIL FAN GAF-DS series



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-DS (DWDI CENTRIFUGAL FAN)



GUMSUNG POONG RYUK Co.,Ltd. certifies that the GAF-DS 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-2DS from GAF-14DS for the entire model to have obtained the AMCA Seal certified performance and sound.

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

Type GAF-DS DWDI Series

Gumsung GAF-DS DWDI 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.

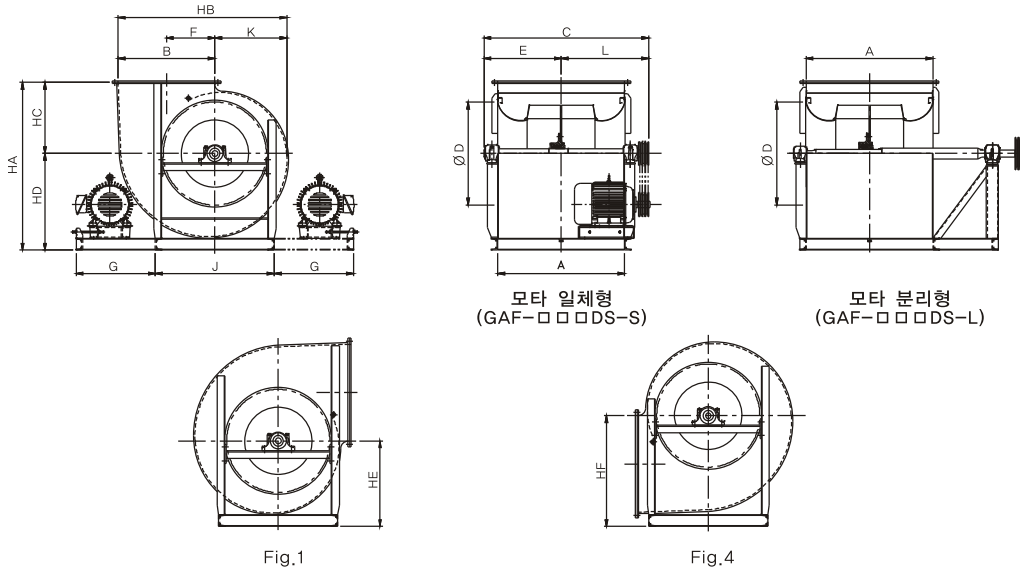
5. Inlet Vane controls

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-DS series

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



MODEL NO.	A	B	ØD	E	F	HA	HB	HC	HD	HE	HF	C	J	K	L	FAN WEIGHT kg
#2	400	305	320	285	153	585	535	240	345	315	390	640	400	230	355	100
#2.25	450	345	360	310	173	665	615	275	390	355	430	690	500	270	380	110
#2.5	500	380	400	335	190	685	665	275	410	370	465	740	500	285	405	120
#2.75	550	420	440	360	210	785	735	340	445	400	505	810	570	315	450	145
#3	600	455	480	390	228	815	795	340	475	425	540	860	570	340	470	165
#3.25	650	495	520	415	248	890	870	380	510	460	580	910	660	375	495	180
#3.5	700	535	560	440	268	955	935	410	545	485	620	960	660	400	520	195
#3.75	750	570	600	465	285	1030	1000	450	580	515	655	1010	750	430	545	230
#4	800	610	640	490	305	1060	1065	450	610	540	695	1065	750	455	575	270
#4.25	850	650	680	515	325	1125	1135	480	645	570	735	1130	850	485	615	290
#4.5	900	685	720	540	343	1185	1190	490	695	615	795	1180	850	505	640	310
#4.75	950	725	760	585	363	1250	1260	520	730	645	835	1270	950	535	685	370
#5	1000	760	800	610	380	1300	1320	540	760	670	870	1320	950	560	710	480
#5.25	1050	800	840	635	400	1365	1390	570	795	700	910	1370	1050	590	735	520
#5.5	1100	840	880	660	420	1420	1460	590	830	730	950	1420	1050	620	760	580
#5.75	1150	875	920	695	438	1480	1525	620	860	760	985	1490	1100	650	795	630
#6	1200	915	960	720	458	1545	1590	650	895	785	1025	1540	1100	675	820	690
#6.5	1300	990	1040	770	495	1695	1730	700	995	850	1100	1675	1250	740	905	820
#7	1400	1065	1120	820	533	1790	1850	740	1050	920	1200	1800	1350	785	980	930
#8	1600	1220	1280	940	610	2060	2120	870	1190	1035	1355	2020	1500	900	1080	1220
#9	1800	1370	1440	1050	685	2305	2380	960	1345	1170	1530	2240	1700	1010	1190	1480
#10	2000	1525	1600	1175	763	2530	2650	1050	1480	1285	1685	2500	1900	1125	1325	1980
#11	2200	1675	1760	1280	838	2725	2910	1150	1575	1395	1835	2720	2100	1235	1440	2530
#12	2400	1830	1920	1380	915	2975	3160	1240	1735	1540	2040	2950	2300	1330	1570	3080
#13	2600	1980	2080	1480	990	3220	3440	1350	1870	1670	2190	3180	2500	1460	1700	3500
#14	2800	2135	2240	1580	1068	3450	3710	1450	2000	1785	2345	3410	2700	1575	1830	4200

※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.

-Notes-

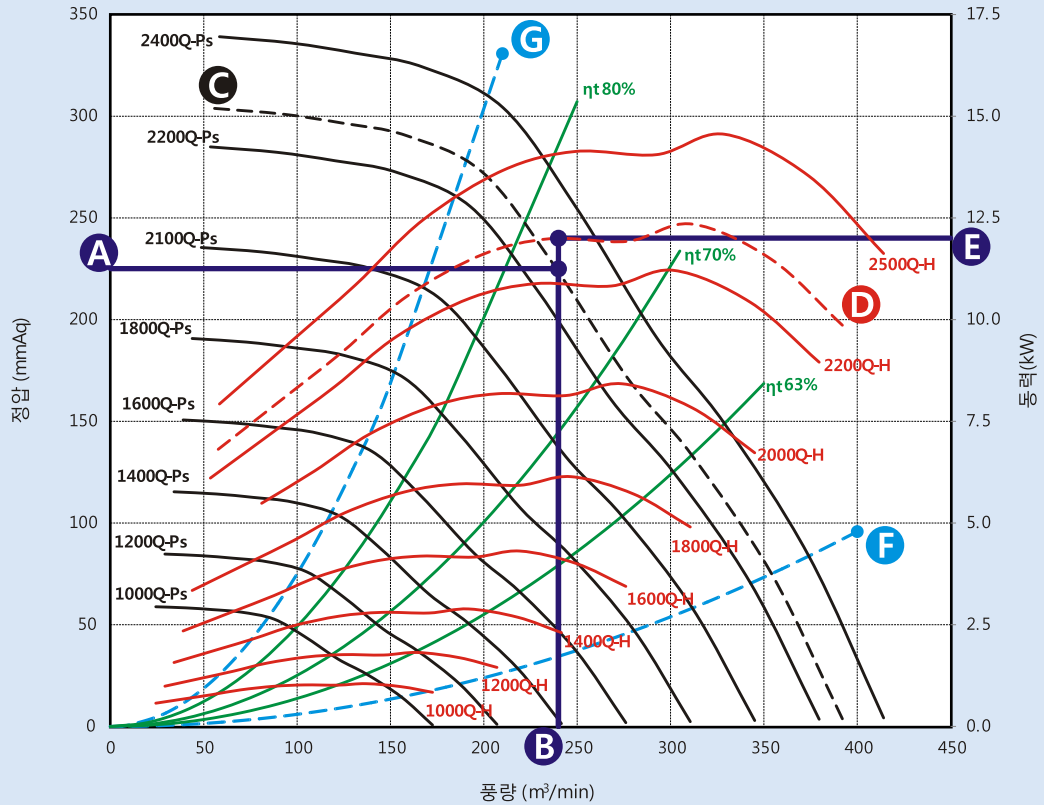
1. The weight is that of a fan only except for the weight of a motor, and differs according to DS-L or temperature.
2. The center of inlet and the height of outlet are subject to change according to use frequency and motor HP.

팬 선정 방법 예 Fan Selection Example

Motor separation type model name is "GAF-□□□ DS-L" of the standard shape.
Motor integrated type model name is "GAF-□□□ DS-S" of the standard shape.



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)를 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 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-DS series

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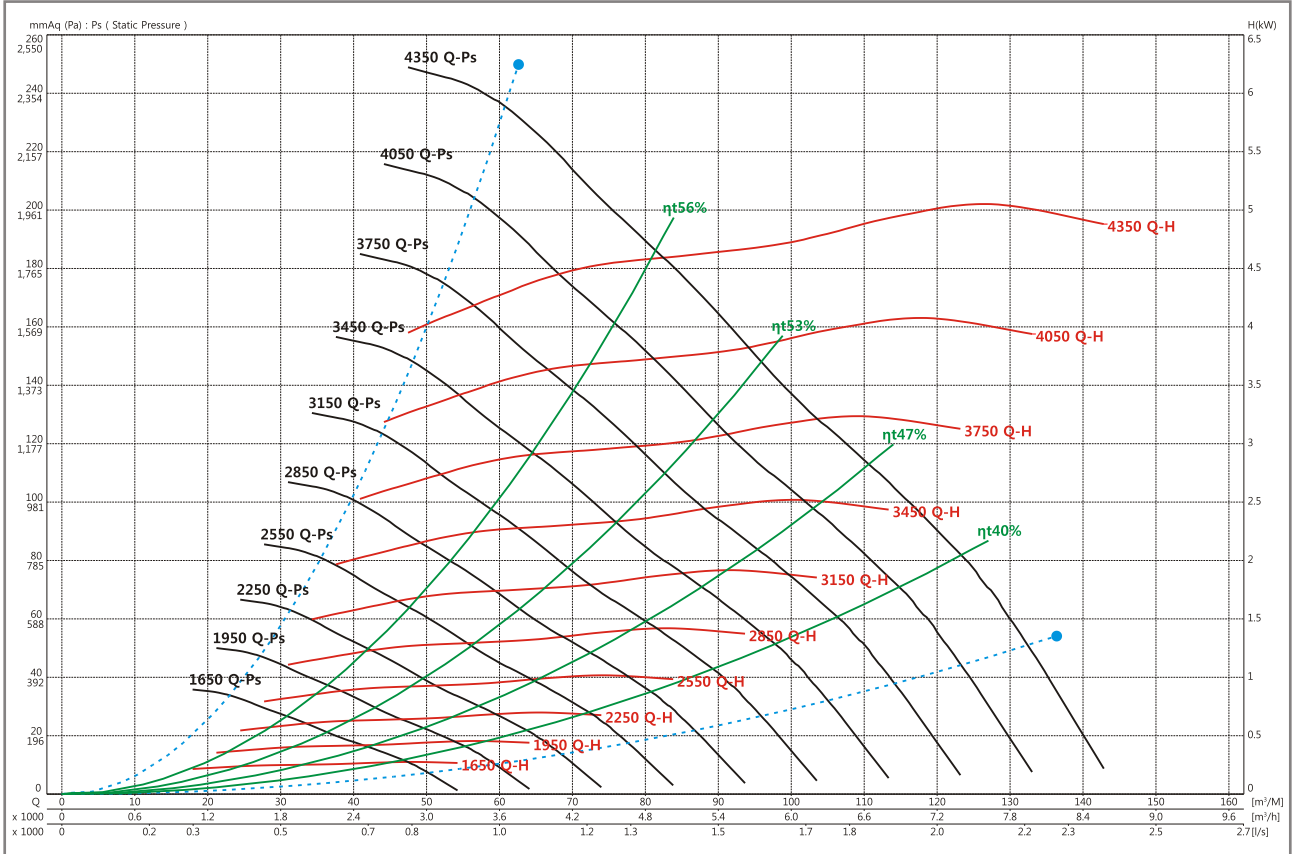
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GAF-2DS

FEG 63

Wheel dia	304 mm	Tip Speed = 0.015917 * rpm	Outlet Dim'	400 * 305	Outlet Area	0.1220 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	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
38	5.19	1655	0.26	51.6	71	1855	0.36	55.1	74	2032	0.47	56.2	76	2184	0.57	56.0	78	2332	0.69	55.9	80
45	6.15	1809	0.35	47.6	74	1995	0.45	52.3	76	2155	0.56	54.9	78	2308	0.69	56.0	80	2444	0.81	56.2	82
52	7.10	1940	0.44	44.3	75	2143	0.58	49.0	78	2305	0.7	52.3	80	2446	0.83	54.4	82	2574	0.96	55.6	83
59	8.06	2117	0.58	40.5	78	2279	0.71	46.3	80	2446	0.85	49.6	82	2604	1.01	51.8	83	2738	1.16	53.5	85
66	9.02	2274	0.72	38.1	80	2440	0.88	43.1	82	2598	1.04	46.7	83	2734	1.19	49.6	85	2867	1.35	51.6	86
73	9.97	2455	0.91	35.3	82	2593	1.07	40.5	84	2744	1.25	44.3	85	2878	1.41	47.3	86	3010	1.59	49.4	88
80	10.93	2648	1.13	31.9	85	2756	1.28	38.1	86	2901	1.49	41.8	87	3032	1.68	44.6	88	3153	1.86	47.3	89
87	11.89	2824	1.37	29.9	87	2950	1.57	35.3	88	3069	1.77	39.6	89	3180	1.95	42.8	90	3299	2.15	45.2	91
94	12.84	3044	1.71	27.6	89	3124	1.86	33.2	89	3237	2.08	37.0	90	3348	2.29	40.5	91	3451	2.49	43.1	92
101	13.80	3232	2.04	25.7	91	3318	2.23	31.4	91	3407	2.42	35.3	92	3518	2.67	38.4	93	3626	2.91	40.8	93
108	14.75	3418	2.41	24.5	92	3508	2.62	29.4	93	3593	2.84	33.2	93	3680	3.06	36.8	94	3773	3.29	39.3	94
115	15.71	3634	2.88	23.2	94	3720	3.12	27.6	94	3783	3.30	31.4	95	3867	3.54	34.8	95	3959	3.81	37.0	95

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	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
38	5.19	2452	0.79	56.0	82	2583	0.91	55.9	83	2698	1.02	55.5	85								
45	6.15	2584	0.95	56.0	83	2707	1.09	55.9	85	2810	1.20	56.0	86	2917	1.33	56.0	87	3032	1.48	55.9	88
52	7.10	2705	1.10	56.2	85	2822	1.25	56.2	86	2945	1.41	56.1	87	3048	1.56	55.9	88	3158	1.72	55.9	89
59	8.06	2837	1.29	55.1	86	2966	1.46	55.7	87	3068	1.61	56.2	88	3173	1.77	56.2	89	3288	1.97	56.2	90
66	9.02	2998	1.53	52.8	88	3093	1.67	54.4	89	3214	1.87	55.1	90	3313	2.04	55.7	91	3409	2.21	56.1	91
73	9.97	3149	1.80	50.8	89	3251	1.96	52.3	90	3354	2.14	53.5	91	3459	2.34	54.4	92	3553	2.53	55.1	93
80	10.93	3286	2.08	49.0	90	3392	2.25	50.6	91	3511	2.48	51.6	92	3608	2.68	52.6	93	3700	2.87	53.5	94
87	11.89	3423	2.38	47.3	92	3533	2.59	48.7	93	3651	2.82	49.8	93	3754	3.05	51.0	94	3849	3.26	51.9	94
94	12.84	3563	2.72	45.2	93	3681	2.97	46.7	94	3781	3.18	48.3	94	3886	3.42	49.4	95	3986	3.66	50.3	95
101	13.80	3728	3.14	43.1	94	3826	3.36	45.2	94	3925	3.60	46.5	95	4034	3.89	47.6	96	4128	4.12	49.0	96
108	14.75	3877	3.55	41.5	95	3985	3.84	43.1	95	4090	4.12	44.6	96	4166	4.32	46.3	96	4269	4.62	47.3	97
115	15.71	4051	4.07	39.6	96	4135	4.31	41.5	96	4227	4.58	43.1	97	4333	4.91	44.3	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-DS series

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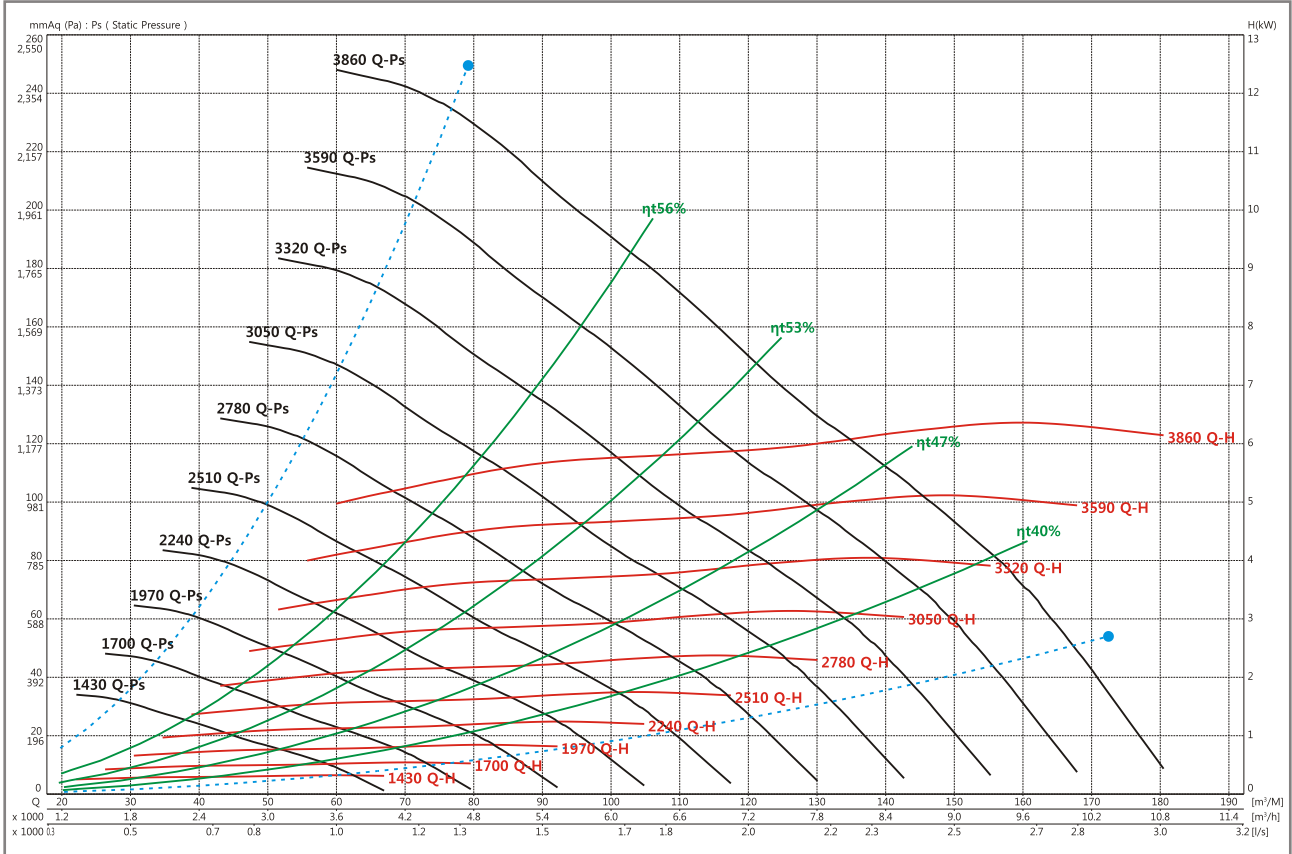


AIR FOIL FAN
GAF-DS series

GAF-2.25DS

FEG 63

Wheel dia	342 mm	Tip Speed = 0.017907 * rpm	Outlet Dim'	450 * 345	Outlet Area	0.1553 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)				30 mmAq (294 Pa)				40 mmAq (392 Pa)				50 mmAq (490 Pa)				60 mmAq (588 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)
50	5.37	1505	0.35	50.6	72	1677	0.48	54.6	75	1827	0.61	56.1	77	1965	0.76	56.2	79	2084	0.89	55.9	81
60	6.44	1644	0.48	46.5	74	1822	0.63	51.3	77	1966	0.77	54.2	79	2089	0.92	55.6	81	2213	1.09	56.2	82
70	7.51	1797	0.64	42.2	77	1969	0.81	47.6	79	2116	0.98	50.8	81	2235	1.14	53.3	83	2353	1.32	54.9	84
80	8.59	1959	0.83	39.3	80	2112	1.02	44.3	81	2260	1.23	47.8	83	2384	1.41	50.6	85	2505	1.61	52.3	86
90	9.66	2141	1.08	35.3	82	2270	1.29	40.8	84	2397	1.49	45.2	85	2530	1.72	47.8	86	2649	1.94	49.8	88
100	10.74	2333	1.40	32.3	85	2444	1.61	38.1	86	2560	1.84	42.2	87	2673	2.07	45.2	88	2785	2.30	47.6	89
110	11.81	2510	1.73	29.9	87	2622	1.99	35.3	88	2722	2.23	39.6	89	2824	2.46	42.8	90	2932	2.73	45.2	91
120	12.88	2706	2.16	27.6	89	2801	2.42	33.2	90	2897	2.69	37.0	91	2987	2.94	40.5	91	3089	3.22	42.8	92
130	13.96	2915	2.69	25.7	91	2999	2.96	30.4	92	3070	3.20	34.8	92	3155	3.47	38.1	93	3260	3.82	40.5	94
140	15.03	3107	3.26	24.5	93	3188	3.54	28.2	94	3267	3.84	32.3	94	3345	4.14	35.7	95	3425	4.44	38.4	96
150	16.10	3319	3.95	22.5	95	3382	4.22	27.0	95	3461	4.55	30.4	96	3533	4.86	33.6	97	3593	5.13	36.5	97
160	17.18	3507	4.66	21.9	97	3585	5.01	25.7	97	3644	5.29	29.1	97	3721	5.67	31.9	98	3778	5.96	34.8	98

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	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)
50	5.37	2203	1.04	56.0	82	2309	1.18	56.0	84	2417	1.34	55.7	85	2521	1.50	55.5	86				
60	6.44	2333	1.27	56.2	84	2444	1.45	56.0	85	2545	1.62	55.9	86	2633	1.78	56.0	87	2726	1.96	56.1	88
70	7.51	2468	1.52	55.6	85	2564	1.69	56.2	87	2668	1.90	56.2	88	2760	2.09	56.1	89	2863	2.33	56.0	90
80	8.59	2615	1.82	53.8	87	2707	2.01	54.9	88	2803	2.22	55.6	89	2897	2.45	56.0	90	2985	2.67	56.2	91
90	9.66	2752	2.15	51.6	89	2859	2.40	52.8	90	2945	2.6	54.1	91	3027	2.82	54.9	91	3113	3.05	55.5	92
100	10.74	2895	2.55	49.3	90	3010	2.83	50.6	91	3104	3.08	51.8	92	3188	3.32	52.9	93	3269	3.57	53.9	94
110	11.81	3040	3.00	47.1	92	3140	3.27	48.7	93	3245	3.57	49.8	94	3335	3.85	51.0	94	3418	4.12	51.9	95
120	12.88	3193	3.53	44.7	93	3289	3.82	46.5	94	3384	4.12	48.0	95	3469	4.39	49.3	96	3556	4.69	50.2	96
130	13.96	3338	4.07	42.8	95	3440	4.42	44.3	95	3523	4.71	46.2	96	3615	5.05	47.3	97	3698	5.36	48.4	97
140	15.03	3510	4.77	40.5	96	3592	5.07	42.7	97	3676	5.40	44.1	97	3762	5.75	45.5	98	3841	6.08	46.7	98
150	16.10	3671	5.47	39.1	97	3759	5.86	40.5	98	3840	6.21	42.2	98								
160	17.18	3857	6.35	36.8	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.

2015Jan-R10.0

GAF-DS series

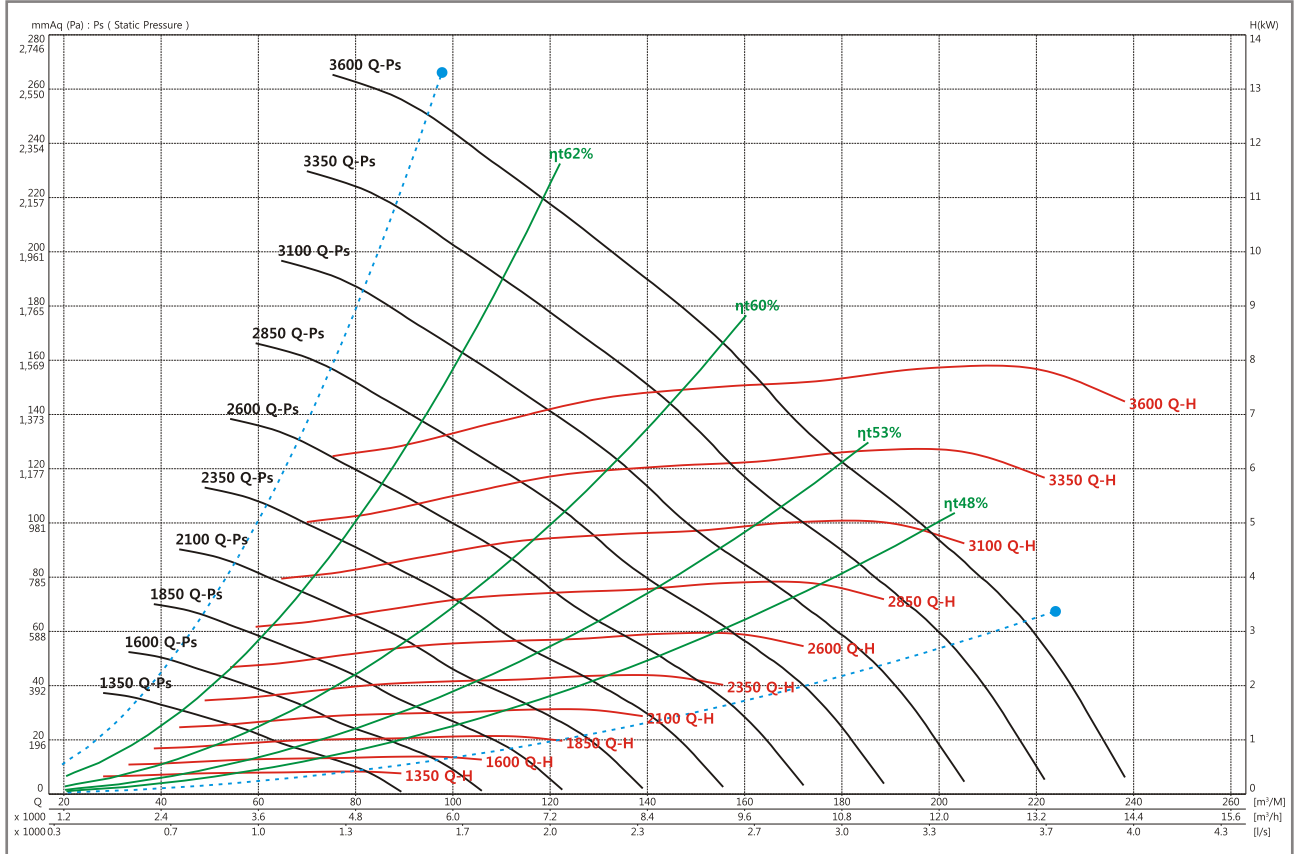
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GAF-2.5DS

FEG 71

Wheel dia	381 mm	Tip Speed = 0.019949 * rpm	Outlet Dim'	500 * 380	Outlet Area	0.1900 m ²	Class 1	3008 rpm	Class 2	4010 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
80	7.02	1529	0.59	50.8	73	1753	0.87	57.3	77	1926	1.14	60.8	79	2096	1.45	61.5	81	2246	1.76	61.7	83
90	7.89	1639	0.74	47.6	76	1857	1.04	54.6	79	2032	1.35	58.8	81	2179	1.65	61.0	82	2332	2.00	61.5	84
100	8.77	1751	0.91	44.7	78	1966	1.25	51.9	80	2144	1.60	56.2	82	2277	1.90	59.6	83	2418	2.26	61.0	85
110	9.65	1873	1.11	41.8	80	2069	1.48	49.5	82	2251	1.86	53.9	84	2394	2.22	57.3	85	2526	2.60	59.6	86
120	10.53	1991	1.33	39.5	82	2181	1.75	47.2	83	2355	2.16	51.7	85	2511	2.58	54.9	86	2637	2.97	57.6	88
130	11.40	2118	1.60	37.3	83	2294	2.04	45.0	85	2454	2.47	49.9	86	2608	2.91	53.1	88	2748	3.37	55.5	89
140	12.28	2255	1.91	35.3	85	2402	2.35	43.3	86	2557	2.81	48.1	87	2714	3.31	51.3	89	2857	3.81	53.8	90
150	13.16	2401	2.29	33.1	87	2523	2.72	41.1	88	2678	3.24	46.0	89	2819	3.75	49.6	90	2954	4.25	52.2	91
160	14.04	2538	2.68	31.5	88	2650	3.14	39.3	89	2791	3.68	44.3	90	2921	4.19	48.0	91	3055	4.75	50.7	92
170	14.91	2683	3.15	30.2	90	2782	3.62	37.3	91	2903	4.14	42.8	91	3041	4.75	46.3	92	3161	5.30	49.1	93
180	15.79	2821	3.64	28.7	91	2917	4.15	36.0	92	3025	4.68	41.1	93	3157	5.32	44.7	94	3276	5.92	47.6	94
190	16.67	2959	4.19	27.7	93	3050	4.71	34.3	93	3148	5.27	39.5	94	3265	5.89	43.3	95	3387	6.56	46.0	96

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
80	7.02	2389	2.08	61.9	84	2521	2.39	61.9	86	2641	2.70	61.6	87	2762	3.05	61.3	88	2874	3.39	61.1	90
90	7.89	2472	2.36	61.6	85	2603	2.72	61.8	87	2723	3.06	61.9	88	2836	3.40	61.9	89	2947	3.76	61.7	90
100	8.77	2560	2.66	61.4	86	2681	3.03	61.5	88	2805	3.43	61.7	89	2915	3.80	61.8	90	3031	4.22	61.9	91
110	9.65	2653	2.99	60.8	87	2771	3.38	61.4	89	2894	3.83	61.5	90	3008	4.26	61.6	91	3115	4.69	61.7	92
120	10.53	2753	3.36	59.6	89	2865	3.76	60.8	90	2976	4.20	61.3	91	3093	4.69	61.4	92	3201	5.17	61.5	93
130	11.40	2862	3.79	57.8	90	2962	4.19	59.6	91	3076	4.67	60.5	92	3180	5.14	61.1	93	3283	5.62	61.4	94
140	12.28	2976	4.28	55.9	91	3081	4.73	57.8	92	3175	5.16	59.4	93	3280	5.67	60.3	94	3375	6.15	61.0	95
150	13.16	3078	4.76	54.3	92	3192	5.28	56.2	93	3290	5.77	57.8	94	3383	6.26	59.0	95	3472	6.74	60.1	96
160	14.04	3187	5.32	52.7	94	3302	5.87	54.3	95	3402	6.39	56.2	95	3488	6.88	57.6	96	3577	7.40	58.8	97
170	14.91	3291	5.91	51.3	95	3403	6.47	53.0	96	3508	7.04	54.6	96								
180	15.79	3385	6.48	49.9	95	3504	7.12	51.7	96												
190	16.67	3499	7.20	48.4	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.

2015Jan-R10.0

GAF-DS series

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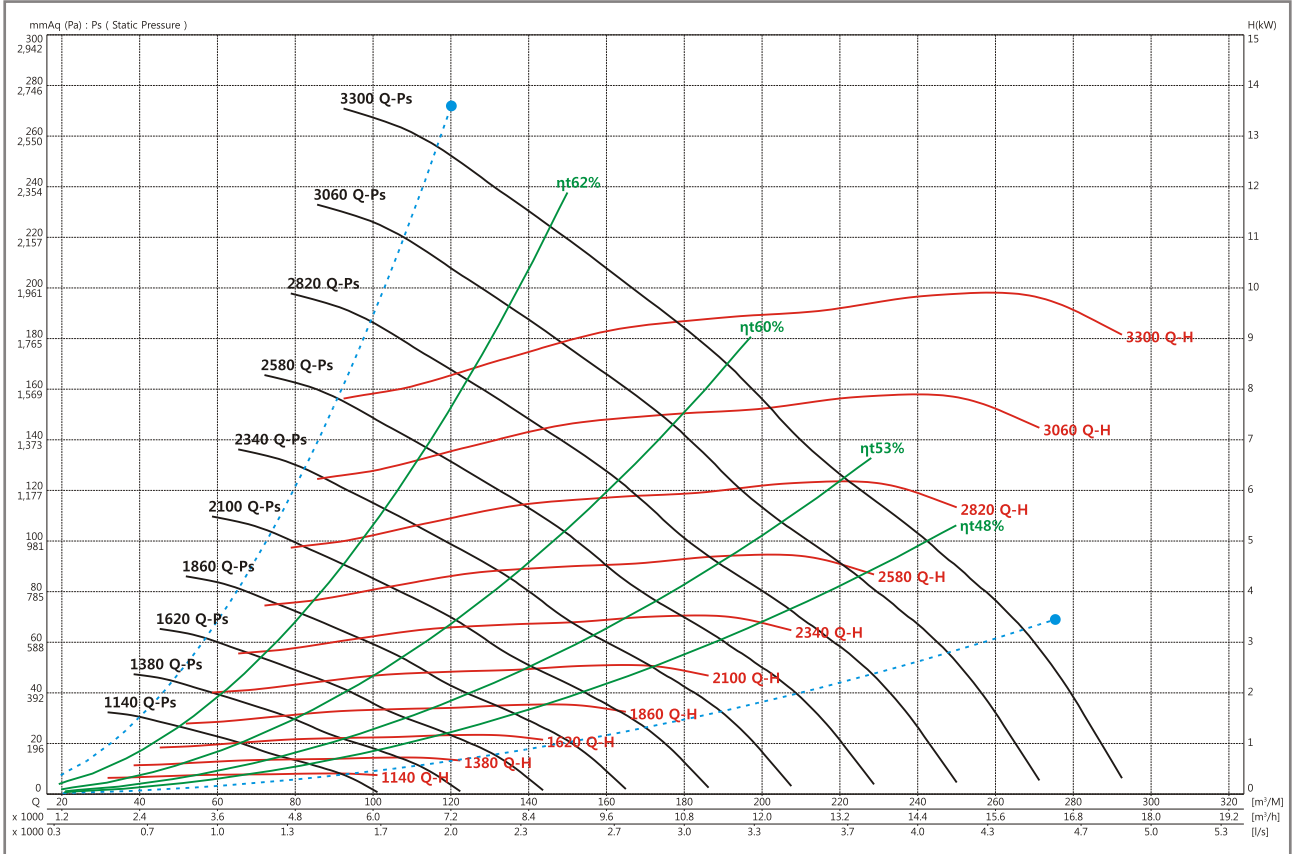


AIR FOIL FAN
GAF-DS series

GAF-2.75DS

FEG 71

Wheel dia	420 mm	Tip Speed = 0.021991 * rpm	Outlet Dim'	550 * 420	Outlet Area	0.2310 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)				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)
100	7.22	1408	0.76	49.9	591	1608	1.09	56.9	492	1765	1.43	60.5	432	1914	1.81	61.4	412	2057	2.21	61.6	401
110	7.94	1494	0.91	47.2	598	1693	1.29	54.3	498	1843	1.64	58.8	452	1984	2.03	60.9	441	2121	2.46	61.4	425
120	8.66	1575	1.07	45.0	597	1769	1.48	52.3	501	1926	1.88	56.7	479	2058	2.28	59.9	463	2186	2.71	61.1	446
130	9.38	1659	1.26	43.0	592	1847	1.71	50.4	521	2010	2.15	54.6	503	2138	2.57	58.1	483	2257	3.00	60.2	463
140	10.10	1757	1.49	40.7	581	1929	1.96	48.4	549	2092	2.45	52.8	524	2226	2.91	55.9	501	2339	3.36	58.6	479
150	10.82	1852	1.74	38.5	591	2010	2.23	46.7	568	2168	2.75	51.2	542	2307	3.26	54.3	513	2426	3.77	56.9	489
160	11.54	1946	2.01	37.0	611	2097	2.54	44.7	588	2245	3.08	49.6	556	2387	3.64	52.8	524	2505	4.16	55.4	495
170	12.27	2045	2.32	35.3	627	2179	2.85	43.3	599	2320	3.41	48.1	567	2461	4.02	51.5	533	2590	4.62	53.8	503
180	12.99	2153	2.69	33.5	638	2270	3.22	41.3	609	2411	3.85	46.4	574	2538	4.44	49.9	540	2664	5.06	52.5	507
190	13.71	2251	3.06	32.3	642	2360	3.61	40.0	613	2491	4.25	45.0	578	2617	4.90	48.6	544	2743	5.57	51.2	510
200	14.43	2358	3.50	31.1	642	2457	4.07	38.5	613	2577	4.71	43.6	579	2699	5.39	47.2	544	2818	6.09	49.9	511
210	15.15	2463	3.97	29.7	638	2557	4.57	37.0	610	2668	5.24	42.2	577	2782	5.91	46.0	542	2899	6.66	48.7	509

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)
100	7.22	2179	2.58	61.8	384	2303	2.99	61.9	370	2414	3.38	61.8	354	2524	3.82	61.5	339	2621	4.21	61.2	324
110	7.94	2248	2.89	61.6	408	2362	3.31	61.8	389	2474	3.74	61.9	372	2580	4.18	61.9	356	2677	4.6	61.7	339
120	8.66	2311	3.18	61.4	426	2426	3.64	61.6	406	2538	4.13	61.7	388	2638	4.57	61.8	370	2739	5.05	61.9	354
130	9.38	2377	3.49	61.1	442	2489	3.97	61.4	421	2600	4.50	61.5	402	2700	4.99	61.7	382	2800	5.51	61.8	366
140	10.10	2451	3.85	60.3	456	2558	4.35	61.1	434	2666	4.90	61.4	413	2767	5.44	61.5	393	2864	5.99	61.6	375
150	10.82	2529	4.25	59.0	467	2628	4.74	60.4	444	2733	5.31	61.1	423	2830	5.86	61.4	402	2928	6.46	61.5	383
160	11.54	2607	4.67	57.6	472	2705	5.19	59.4	450	2801	5.75	60.4	429	2901	6.36	61.0	408	2996	6.97	61.3	389
170	12.27	2700	5.20	55.9	476	2793	5.74	57.9	454	2880	6.27	59.4	433	2974	6.88	60.3	413	3059	7.46	61.0	392
180	12.99	2775	5.67	54.6	478	2875	6.28	56.4	454	2960	6.83	58.1	433	3048	7.44	59.4	413	3131	8.03	60.3	394
190	13.71	2859	6.24	53.1	480	2961	6.88	54.9	454	3045	7.46	56.7	431	3130	8.08	58.1	412	3210	8.69	59.4	393
200	14.43	2934	6.79	52.0	479	3039	7.48	53.8	452	3129	8.11	55.4	428	3214	8.77	56.9	407	3294	9.42	58.1	390
210	15.15	3007	7.35	51.0	478	3115	8.10	52.7	449	3209	8.78	54.2	425	3300	9.51	55.5	403				

- 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-DS series

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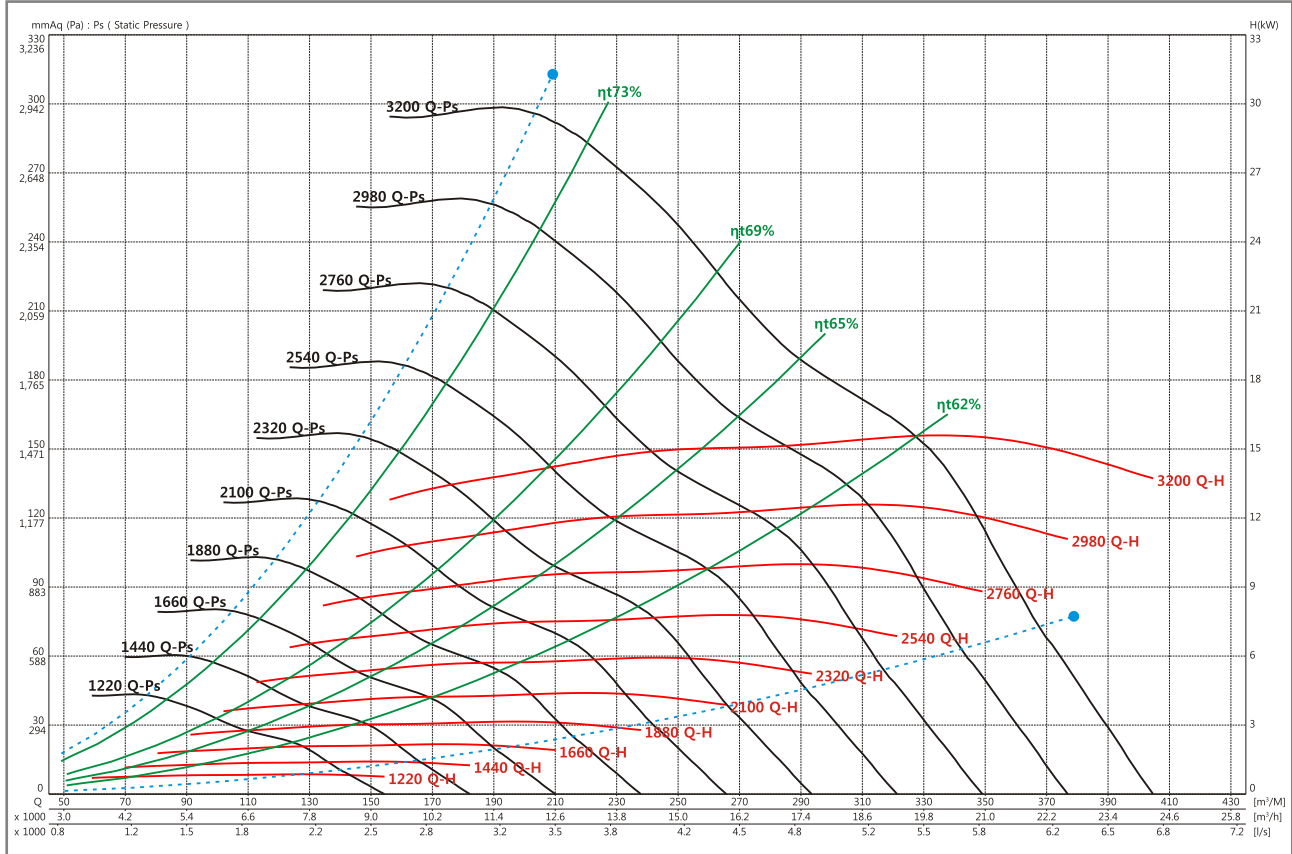
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GAF-3DS

FEG 80

Wheel dia	457 mm	Tip Speed = 0.023929 * rpm	Outlet Dim'	600 * 455	Outlet Area	0.2730 m ²	Class 1	2507 rpm	Class 2	3343 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
100	6.11					1288	0.97	71.2	71	1468	1.39	73.0	74								
120	7.33					1403	1.26	67.0	74	1562	1.73	71.6	76	1719	2.25	72.8	79	1868	2.80	72.4	81
140	8.55	1294	1.02	54.7	74	1506	1.59	64.3	77	1680	2.17	68.1	79	1812	2.70	71.5	81	1943	3.28	72.6	82
160	9.77	1440	1.40	48.8	77	1597	1.92	62.7	79	1791	2.65	65.2	81	1926	3.27	68.4	83	2046	3.90	71.0	84
180	10.99	1587	1.85	43.5	80	1707	2.36	59.2	82	1879	3.10	63.9	83	2040	3.90	65.7	85	2164	4.64	68.2	86
200	12.21	1733	2.39	40.7	83	1846	2.98	54.7	84	1974	3.64	62.2	85	2138	4.55	64.3	86	2276	5.42	65.9	87
220	13.43	1877	3.01	37.6	85	1990	3.70	49.3	86	2089	4.33	59.2	87	2225	5.19	63.2	88	2372	6.20	64.4	89
240	14.65	2023	3.73	35.4	87	2133	4.54	46.2	88	2228	5.24	55.2	89	2328	5.99	61.3	89	2462	7.02	63.5	90
260	15.87	2176	4.59	33.1	89	2281	5.50	43.0	90	2368	6.26	51.5	91	2451	6.99	58.1	91	2553	7.89	62.2	92
280	17.09	2325	5.57	31.7	91	2426	6.57	40.7	92	2513	7.45	48.3	92	2588	8.21	54.7	93	2669	9.03	59.8	93
300	18.32	2477	6.69	30.3	93	2570	7.75	38.6	93	2660	8.78	45.4	94	2732	9.63	51.5	94	2801	10.40	56.9	95
320	19.54	2626	7.92	28.9	94	2722	9.13	36.7	95	2804	10.20	43.0	96	2875	11.20	48.8	96	2944	12.10	53.7	96

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
100	6.11																				
120	7.33																				
140	8.55	2071	3.88	73.0	83	2203	4.58	72.1	85					2500	6.71	72.2	88				
160	9.77	2161	4.55	72.2	85	2273	5.21	72.8	86	2387	5.94	72.9	87								
180	10.99	2263	5.29	70.6	87	2368	6.03	71.8	88	2471	6.78	72.5	88	2573	7.56	72.8	89	2671	8.35	72.9	90
200	12.21	2385	6.22	67.9	88	2481	6.98	69.8	89	2570	7.74	71.3	90	2663	8.55	72.1	91	2758	9.42	72.5	91
220	13.43	2499	7.19	65.7	90	2597	8.04	67.5	91	2686	8.88	69.3	91	2771	9.73	70.6	92	2852	10.6	71.6	93
240	14.65	2594	8.11	64.5	91	2709	9.16	65.6	92	2803	10.1	67.2	93	2887	11	68.5	94	2968	12	69.8	94
260	15.87	2682	9.06	63.7	93	2806	10.3	64.4	94	2916	11.5	65.3	94	3003	12.5	66.6	95	3084	13.5	67.8	96
280	17.09	2774	10.1	62.6	94	2891	11.4	63.7	95	3006	12.6	64.4	96	3111	13.9	65.1	96	3196	15	66.2	97
300	18.32	2884	11.4	60.7	95	2982	12.6	62.8	96	3092	13.9	63.7	97	3200	15.3	64.3	97				
320	19.54	3008	12.9	58.1	97	3090	14	61.1	97	3185	15.3	62.8	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-DS series

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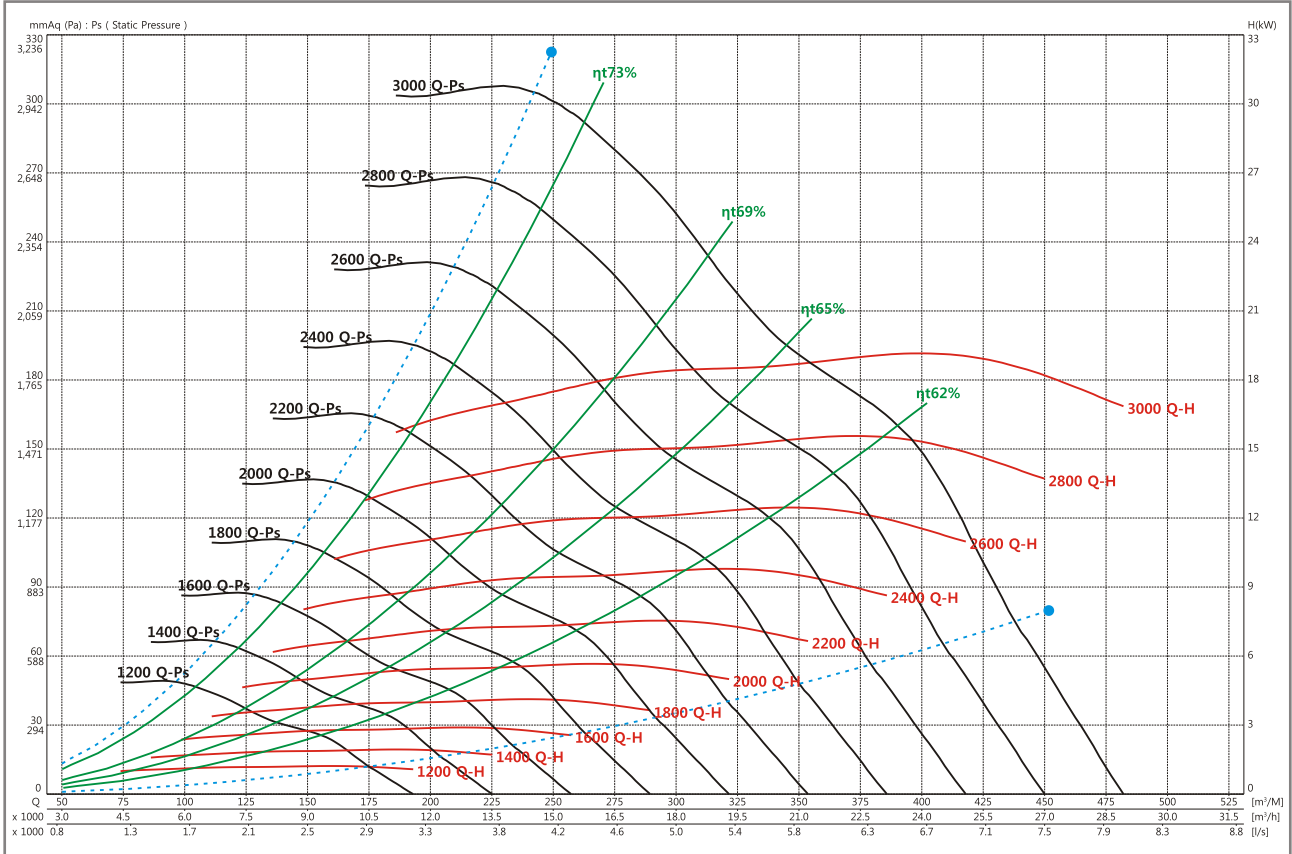


AIR FOIL FAN
GAF-DS series

GAF-3.25DS

FEG 80

Wheel dia	495 mm	Tip Speed = 0.025918 * rpm	Outlet Dim'	650 * 495	Outlet Area	0.3218 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
130	6.73					1324	1.57	71.3	74	1514	2.26	73.0	77								
150	7.77					1416	1.93	68.1	77	1584	2.67	72.1	79	1747	3.47	73.0	81				
170	8.81	1263	1.42	58.5	75	1505	2.34	65.3	79	1667	3.15	70.1	81	1816	4.02	72.3	83	1959	4.92	73.0	84
190	9.84	1371	1.81	53.2	78	1576	2.72	64.0	81	1762	3.74	67.4	83	1898	4.65	70.8	84	2029	5.60	72.3	86
210	10.88	1486	2.30	48.8	81	1648	3.15	62.7	83	1848	4.34	65.2	85	1989	5.37	68.4	86	2111	6.39	71.1	87
230	11.91	1603	2.86	44.6	83	1734	3.69	60.1	84	1921	4.93	64.1	86	2082	6.18	66.3	87	2203	7.30	69.0	89
250	12.95	1715	3.48	42.0	85	1838	4.39	56.5	86	1990	5.54	63.2	87	2162	6.97	64.8	89	2292	8.24	67.0	90
270	13.99	1832	4.20	39.6	87	1947	5.20	53.2	88	2067	6.25	61.6	89	2231	7.74	64.0	90	2379	9.26	65.3	91
290	15.02	1944	4.98	37.6	89	2064	6.17	49.6	89	2163	7.16	58.9	90	2300	8.56	63.2	91	2453	10.2	64.4	92
310	16.06	2061	5.89	35.8	90	2178	7.21	46.7	91	2268	8.25	56.1	92	2380	9.54	61.8	92	2522	11.2	63.7	93
330	17.09	2182	6.93	34.0	92	2291	8.35	44.6	92	2379	9.49	53.2	93	2473	10.7	59.5	94	2591	12.3	62.9	95
350	18.13	2298	8.05	32.6	93	2406	9.60	42.0	94	2493	10.9	50.4	94	2578	12.1	56.9	95	2676	13.6	61.4	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
130	6.73																				
150	7.77																				
170	8.81	2106	5.97	72.1	86																
190	9.84	2159	6.63	72.9	87	2288	7.73	72.6	88												
210	10.88	2231	7.47	72.2	88	2347	8.57	72.8	89	2463	9.75	72.9	90	2581	11.0	72.2	91				
230	11.91	2310	8.38	71.1	89	2419	9.55	72.1	90	2527	10.8	72.6	91	2633	12.0	73.0	92	2739	13.3	72.8	93
250	12.95	2402	9.46	69.1	91	2502	10.7	71.0	92	2603	11.9	72.0	93	2703	13.2	72.5	93	2800	14.6	72.8	94
270	13.99	2493	10.6	67.4	92	2593	11.9	69.3	93	2686	13.2	70.7	94	2780	14.6	71.7	94	2873	16.0	72.3	95
290	15.02	2582	11.8	65.7	93	2686	13.3	67.5	94	2779	14.7	69.1	95	2863	16.0	70.6	95	2951	17.5	71.5	96
310	16.06	2660	13.0	64.6	94	2776	14.7	65.9	95	2871	16.2	67.5	96	2956	17.7	69.0	97				
330	17.09	2728	14.2	64.0	95	2853	16.0	64.9	96	2960	17.8	66.0	97								
350	18.13	2798	15.4	63.4	96	2924	17.4	64.2	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.

2015Jan-R10.0

GAF-DS series

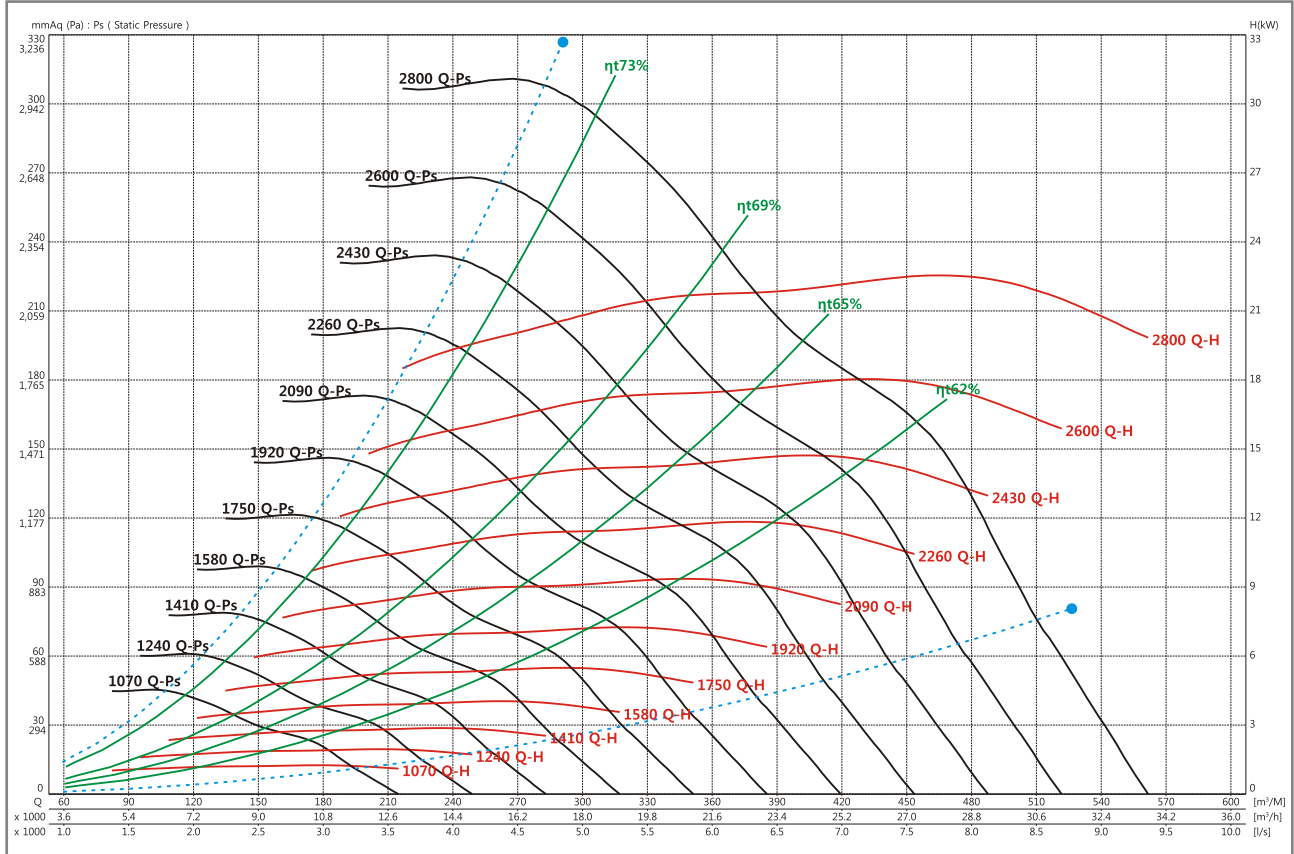
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GAF-3.5DS

FEG 80

Wheel dia	533 mm	Tip Speed = 0.027908 * rpm	Outlet Dim'	700 * 535	Outlet Area	0.3745 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)
160	7.15					1264	1.99	70.1	75	1429	2.79	72.7	78	1596	3.75	72.0	81				
180	8.04	1108	1.39	61.6	74	1336	2.36	67.4	77	1490	3.23	71.7	80	1638	4.19	72.9	82	1785	5.26	72.1	84
200	8.93	1187	1.71	57.4	76	1406	2.76	65.1	79	1560	3.74	69.8	81	1695	4.74	72.2	83	1828	5.82	72.9	85
220	9.83	1274	2.11	53.2	78	1463	3.15	64.0	81	1636	4.33	67.4	83	1761	5.37	70.8	85	1884	6.49	72.3	86
240	10.72	1366	2.58	49.3	80	1517	3.55	63.0	82	1705	4.92	65.5	85	1836	6.11	68.7	86	1948	7.26	71.3	87
260	11.61	1456	3.11	45.9	82	1585	4.08	61.1	84	1765	5.51	64.4	86	1908	6.88	66.9	87	2019	8.12	69.6	88
280	12.51	1549	3.72	43.0	84	1663	4.71	58.1	86	1820	6.11	63.6	87	1976	7.67	65.3	89	2096	9.11	67.7	90
300	13.40	1643	4.40	40.7	86	1750	5.47	54.7	87	1877	6.75	62.7	88	2036	8.47	64.4	90	2166	10.1	66.2	91
320	14.29	1732	5.12	38.8	88	1840	6.35	52.1	89	1947	7.56	60.9	90	2091	9.25	63.8	91	2232	11.1	64.9	92
340	15.19	1824	5.94	37.2	89	1933	7.33	49.3	90	2025	8.51	58.5	91	2147	10.1	63.0	92	2289	12.1	64.3	93
360	16.08	1918	6.87	35.8	91	2024	8.37	46.7	91	2110	9.61	56.1	92	2212	11.1	61.6	93	2342	13.0	63.7	94
380	16.97	2012	7.87	34.0	92	2115	9.51	44.6	93	2200	10.9	53.2	93	2287	12.3	59.8	94	2399	14.1	63.0	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)
160	7.15																				
180	8.04																				
200	8.93	1960	6.99	72.4	86																
220	9.83	2004	7.67	72.9	87	2124	8.95	72.6	89												
240	10.72	2061	8.50	72.4	88	2171	9.79	72.8	89	2280	11.1	72.8	90								
260	11.61	2123	9.40	71.5	89	2229	10.8	72.3	90	2330	12.1	72.8	91	2429	13.6	72.9	92	2532	15.1	72.4	93
280	12.51	2195	10.4	70.0	91	2290	11.8	71.6	91	2387	13.3	72.3	92	2483	14.8	72.7	93	2573	16.2	73.0	94
300	13.40	2269	11.6	68.3	92	2359	13.0	70.2	92	2450	14.5	71.5	93	2540	16.0	72.2	94	2629	17.6	72.6	95
320	14.29	2341	12.7	66.8	93	2434	14.3	68.6	93	2520	15.8	70.3	94	2603	17.4	71.4	95	2688	19.0	72.1	96
340	15.19	2410	13.9	65.5	94	2509	15.7	67.2	95	2594	17.3	68.8	95	2673	18.9	70.3	96	2753	20.6	71.3	97
360	16.08	2472	15.1	64.6	95	2578	17.0	65.9	95	2667	18.8	67.5	96	2747	20.5	69.0	97				
380	16.97	2528	16.3	64.1	96	2644	18.5	64.9	96	2739	20.4	66.2	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.

2015Jan-R10.0

GAF-DS series

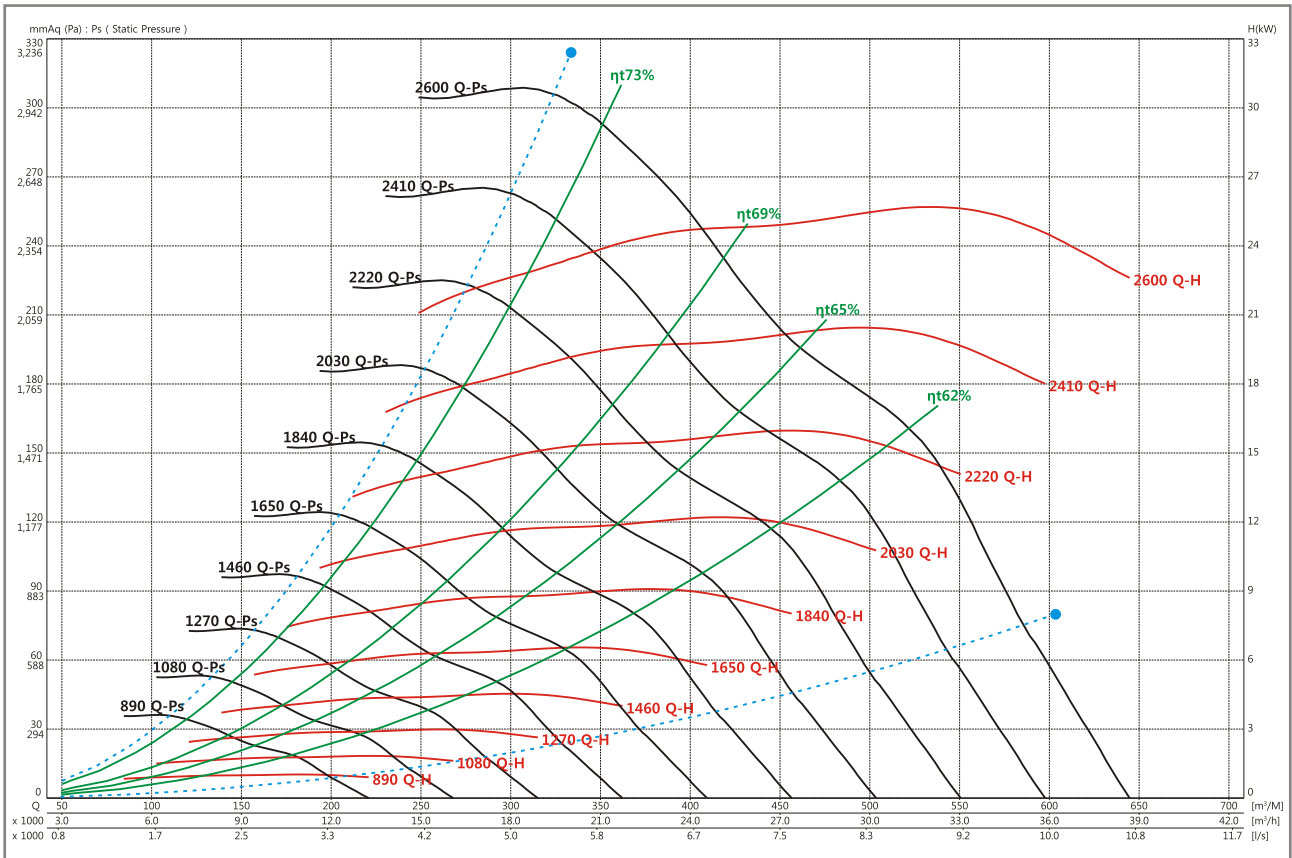
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GAF-3.75DS

FEG 80

Wheel dia	572 mm	Tip Speed = 0.02995 * rpm	Outlet Dim'	750 * 570	Outlet Area	0.4275 m ²	Class 1	2003 rpm	Class 2	2671 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	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)
175	6.82	955	1.24	64.3	71	1150	2.12	71.2	75	1312	3.04	73.0	78								
200	7.80	1013	1.51	62.5	73	1225	2.58	68.1	77	1371	3.57	72.1	79	1510	4.62	73.0	82				
225	8.77	1088	1.88	58.5	76	1296	3.07	65.5	79	1438	4.17	70.3	81	1567	5.31	72.4	83	1692	6.52	73.0	85
250	9.75	1176	2.36	53.7	78	1355	3.56	64.1	81	1513	4.87	67.7	83	1632	6.08	71.1	85	1748	7.36	72.4	86
275	10.72	1268	2.94	49.3	80	1412	4.08	63.1	82	1584	5.62	65.6	85	1705	6.96	69.0	86	1812	8.32	71.3	88
300	11.70	1359	3.60	45.9	83	1479	4.71	60.9	84	1646	6.36	64.4	86	1779	7.94	66.9	88	1884	9.40	69.5	89
325	12.67	1454	4.38	43.0	85	1559	5.52	57.6	86	1701	7.10	63.6	88	1849	8.96	65.1	89	1958	10.6	67.6	90
350	13.65	1546	5.22	40.3	86	1647	6.49	54.4	88	1761	7.94	62.3	89	1908	9.93	64.3	90	2030	11.8	65.9	91
375	14.62	1638	6.15	38.2	88	1740	7.63	50.9	89	1834	9.00	60.3	90	1963	10.9	63.6	91	2094	13.1	64.7	92
400	15.59	1731	7.21	36.7	90	1831	8.85	48.3	91	1916	10.3	57.6	92	2023	12.0	62.6	92	2151	14.3	64.1	93
425	16.57	1827	8.43	35.2	91	1924	10.2	45.9	92	2005	11.7	54.7	93	2091	13.3	60.9	94	2206	15.5	63.4	94
450	17.54	1923	9.76	33.6	93	2019	11.7	43.5	94	2094	13.3	52.1	94	2170	14.9	58.7	95	2268	17.0	62.5	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	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)
175	6.82																				
200	7.80																				
225	8.77																				
250	9.75	1859	8.69	73.0	88	1974	10.2	72.4	89												
275	10.72	1917	9.73	72.4	89	2019	11.2	72.9	90	2122	12.8	72.8	91								
300	11.70	1979	10.8	71.4	90	2077	12.4	72.3	91	2172	14.0	72.8	92	2265	15.7	73.0	93	2360	17.5	72.4	93
325	12.67	2053	12.2	69.8	91	2139	13.7	71.4	92	2229	15.4	72.2	93	2320	17.2	72.6	93	2405	18.9	72.9	94
350	13.65	2128	13.6	68.0	92	2212	15.2	70.0	93	2295	16.9	71.3	94	2378	18.7	72.1	94	2461	20.6	72.5	95
375	14.62	2200	15.0	66.4	93	2288	16.9	68.2	94	2367	18.7	69.9	95	2443	20.5	71.2	95	2521	22.4	71.9	96
400	15.59	2269	16.6	65.1	94	2361	18.6	66.7	95	2443	20.6	68.3	96	2515	22.4	69.8	96	2588	24.4	71.0	97
425	16.57	2326	18.0	64.4	95	2432	20.4	65.3	96	2515	22.5	66.9	97	2593	24.6	68.2	97				
450	17.54	2382	19.5	63.8	96	2492	22.1	64.6	97	2587	24.6	65.6	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-DS series

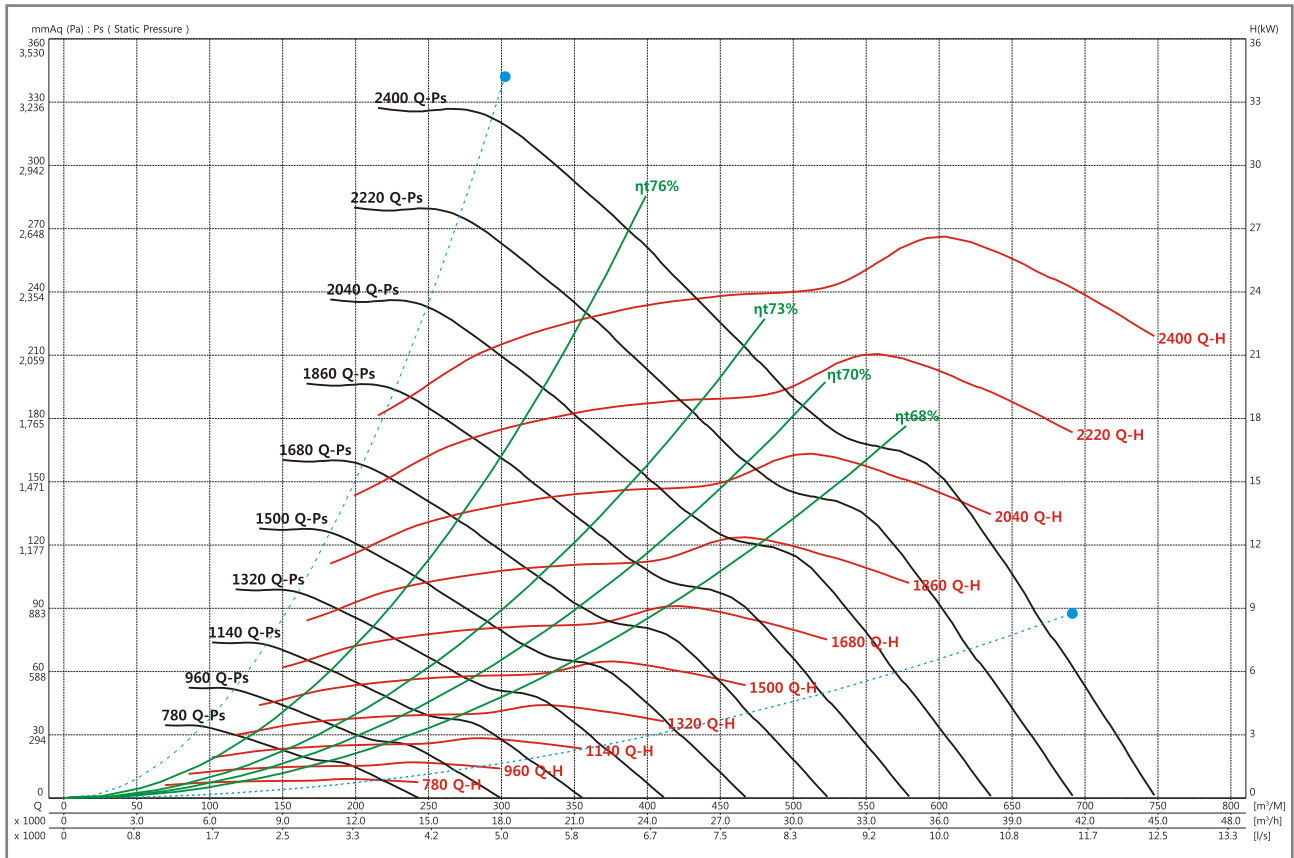
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GAF-4DS

FEG 80

Wheel dia	609 mm	Tip Speed = 0.031887 * rpm	Outlet Dim'	800 * 610	Outlet Area	0.4880 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)
200	6.83	910	1.32	68.6	77	1107	2.31	74.5	75	1261	3.34	76.0	78	1397	4.42	75.8	80	1520	5.54	74.9	82
230	7.86	947	1.62	66.9	80	1173	2.78	72.6	78	1323	3.93	75.1	80	1453	5.10	76.0	82	1573	6.34	75.8	84
260	8.88	1016	2.00	63.3	81	1241	3.31	70.2	82	1387	4.58	73.8	81	1515	5.89	75.3	83	1630	7.23	76.0	85
290	9.90	1097	2.47	59.5	83	1300	3.89	68.1	84	1455	5.31	72.2	84	1580	6.74	74.3	85	1692	8.21	75.3	86
320	10.93	1180	3.03	56.3	85	1331	4.46	67.1	86	1522	6.11	70.2	87	1646	7.68	72.9	87	1756	9.26	74.4	87
350	11.95	1266	3.67	52.6	86	1391	5.16	65.1	88	1583	6.99	68.4	90	1715	8.72	71.2	90	1821	10.4	73.2	89
380	12.98	1353	4.42	49.8	88	1469	6.02	62.3	90	1616	7.84	67.5	91	1779	9.79	69.7	93	1889	11.6	71.9	92
410	14.00	1440	5.27	47.2	90	1550	6.98	59.5	92	1660	8.77	66.4	93	1837	11.0	68.2	94	1958	13.0	70.3	94
440	15.03	1527	6.22	45.1	92	1632	8.05	57.1	93	1732	9.95	64.2	95	1866	12.1	67.5	95	2020	14.4	69.0	95
470	16.05	1617	7.31	43.0	94	1717	9.26	54.7	95	1810	11.3	62.0	96	1910	13.3	66.5	96	2067	15.9	67.8	96
500	17.08	1707	8.54	41.4	96	1804	10.6	52.3	97	1891	12.7	59.7	97	1978	14.8	64.8	97	2095	17.3	67.3	97
530	18.10	1797	9.88	39.7	98	1891	12.1	50.2	98	1973	14.3	57.6	98	2055	16.5	62.9	98	2143	18.9	66.4	98

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	6.83	1638	6.76	73.6	84																
230	7.86	1684	7.63	75.3	85	1788	8.96	74.6	87	1887	10.3	73.528	88								
260	8.88	1738	8.62	76.0	87	1839	10.1	75.7	88	1934	11.5	75.2	89	2025	13.0	74.6	90	2116	14.6	73.6	91
290	9.90	1795	9.69	75.9	88	1894	11.2	76.1	89	1987	12.8	75.8	90	2076	14.4	75.5	91	2161	16.1	75.1	92
320	10.93	1859	10.9	75.3	89	1951	12.5	75.9	90	2043	14.2	76.1	91	2130	15.9	76.0	92	2213	17.7	75.8	92
350	11.95	1923	12.2	74.4	90	2016	13.9	75.2	91	2102	15.7	75.9	92	2187	17.5	76.0	92	2268	19.4	76.1	93
380	12.98	1988	13.5	73.3	91	2079	15.4	74.4	92	2167	17.3	75.0	92	2248	19.2	75.6	93	2327	21.2	75.9	94
410	14.00	2054	15.0	72.2	93	2145	17.0	73.4	93	2231	19.0	74.3	93	2312	21.1	74.9	94	2390	23.2	75.4	95
440	15.03	2125	16.6	70.7	95	2212	18.7	72.3	95	2296	20.9	73.3	95	2377	23.1	74.2	95				
470	16.05	2188	18.3	69.6	97	2283	20.6	70.9	96	2363	22.8	72.4	96								
500	17.08	2245	20.0	68.3	98	2346	22.5	69.8	98												
530	18.10	2277	21.7	67.7	99																

- 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-DS series

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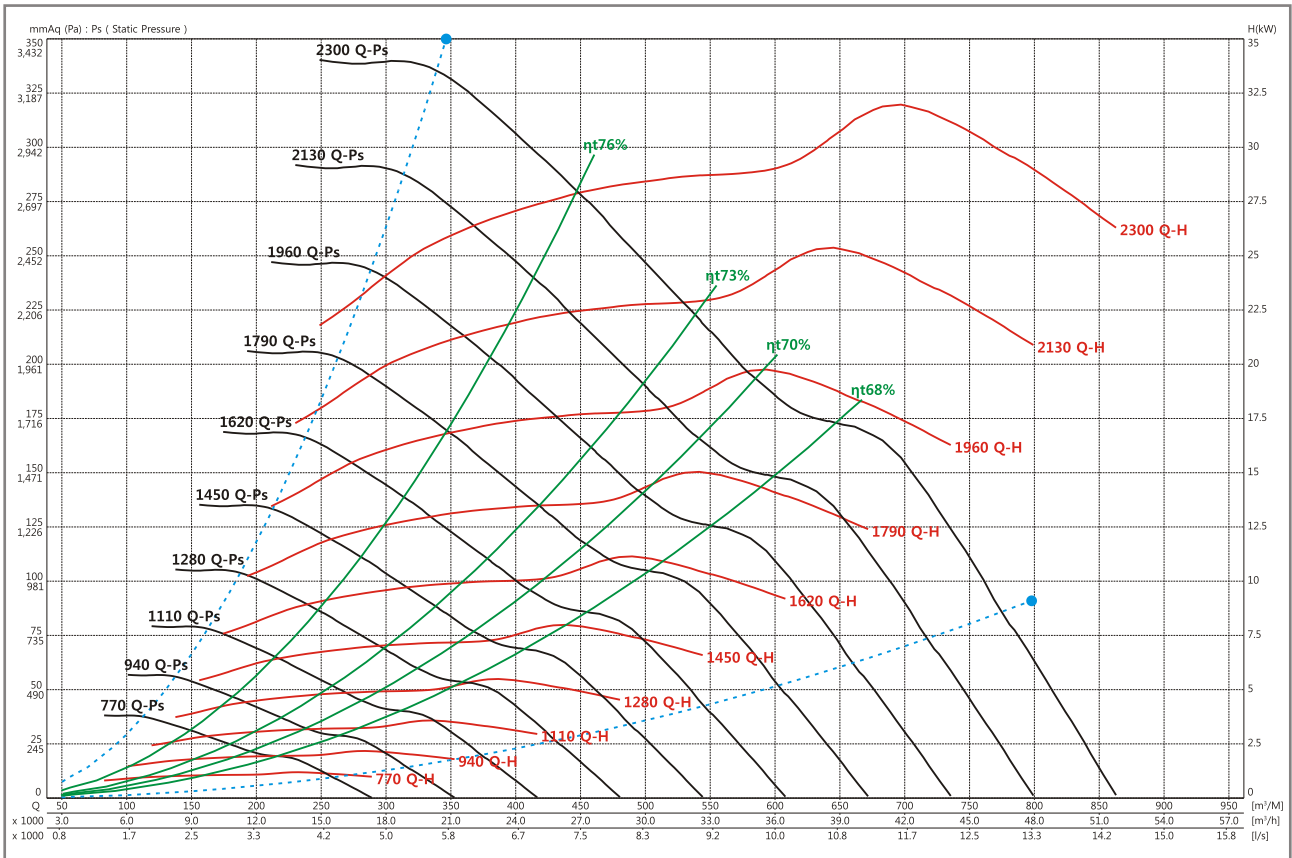
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GAF-4.25DS

FEG 80

Wheel dia	648 mm	Tip Speed = 0.033929 * rpm	Outlet Dim'	850 * 650	Outlet Area	0.5525 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
		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)
270	8.14	905	1.94	66.2	82	1120	3.30	72.0	80	1260	4.64	74.8	80	1381	6.02	75.9	82	1493	7.45	76.0	84
300	9.05	968	2.35	62.7	83	1176	3.85	69.9	83	1314	5.31	73.5	82	1434	6.82	75.1	84	1541	8.35	75.9	85
330	9.95	1034	2.82	59.3	84	1223	4.44	68.0	85	1370	6.05	72.1	84	1488	7.69	74.2	85	1594	9.36	75.3	86
360	10.86	1103	3.37	56.3	85	1248	5.00	67.3	86	1428	6.88	70.3	87	1543	8.63	73.0	87	1646	10.4	74.5	88
390	11.76	1175	4.02	53.3	87	1295	5.68	65.5	87	1478	7.72	68.7	89	1599	9.63	71.6	89	1701	11.6	73.4	89
420	12.67	1248	4.75	50.5	88	1358	6.51	63.1	89	1511	8.58	67.7	91	1655	10.7	70.1	92	1756	12.7	72.3	91
450	13.57	1319	5.55	48.3	89	1424	7.42	60.7	91	1539	9.46	67.0	92	1706	11.9	68.7	94	1814	14.1	70.9	93
480	14.48	1392	6.46	46.3	91	1492	8.44	58.3	92	1590	10.5	65.4	94	1741	13.0	67.8	95	1868	15.5	69.8	95
510	15.38	1465	7.46	44.3	93	1561	9.56	56.3	94	1652	11.7	63.4	95	1764	14.1	67.3	97	1917	16.9	68.5	97
540	16.29	1539	8.58	42.5	94	1633	10.8	54.0	96	1719	13.1	61.4	97	1808	15.5	66.2	98	1949	18.4	67.7	97
570	17.19	1615	9.85	41.1	96	1706	12.2	51.9	97	1786	14.6	59.5	98	1866	17.0	64.6	98	1973	19.8	67.3	98
600	18.10	1689	11.2	39.7	98	1777	13.7	50.2	99	1854	16.1	57.6	99	1931	18.7	62.9	99	2014	21.4	66.4	99

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)
270	8.14	1597	8.96	75.6	86	1693	10.5	75.0	87	1787	12.1	74.2	89								
300	9.05	1643	9.97	76.0	87	1736	11.6	75.7	88	1826	13.3	75.3	89	1910	15.0	74.8	90	1995	16.8	74.0	91
330	9.95	1691	11.1	75.9	88	1782	12.8	76.1	89	1870	14.6	75.8	90	1953	16.4	75.6	91	2032	18.3	75.2	92
360	10.86	1742	12.2	75.3	89	1831	14.1	75.9	90	1916	15.9	76.1	91	1999	17.9	76.0	92	2077	19.9	75.8	93
390	11.76	1795	13.5	74.6	90	1884	15.5	75.3	91	1965	17.4	75.9	92	2046	19.5	76.0	93	2123	21.6	76.1	93
420	12.67	1850	14.9	73.6	91	1936	16.9	74.6	92	2019	19.1	75.2	93	2093	21.1	75.9	93	2170	23.4	75.9	94
450	13.57	1905	16.3	72.6	93	1991	18.5	73.8	93	2071	20.7	74.6	93	2149	23.0	75.2	94	2219	25.2	75.7	95
480	14.48	1961	17.8	71.5	95	2045	20.1	72.9	94	2125	22.5	73.8	94	2201	24.9	74.6	95	2274	27.4	75.1	96
510	15.38	2018	19.5	70.3	96	2101	21.9	71.9	96	2180	24.4	73.0	96	2256	27.0	73.8	96				
540	16.29	2069	21.1	69.3	98	2159	23.8	70.6	97	2235	26.4	72.1	97								
570	17.19	2115	22.9	68.2	99	2211	25.7	69.8	99	2294	28.6	70.9	98								
600	18.10	2140	24.6	67.7	99	2262	27.8	68.6	100												

- 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-DS series

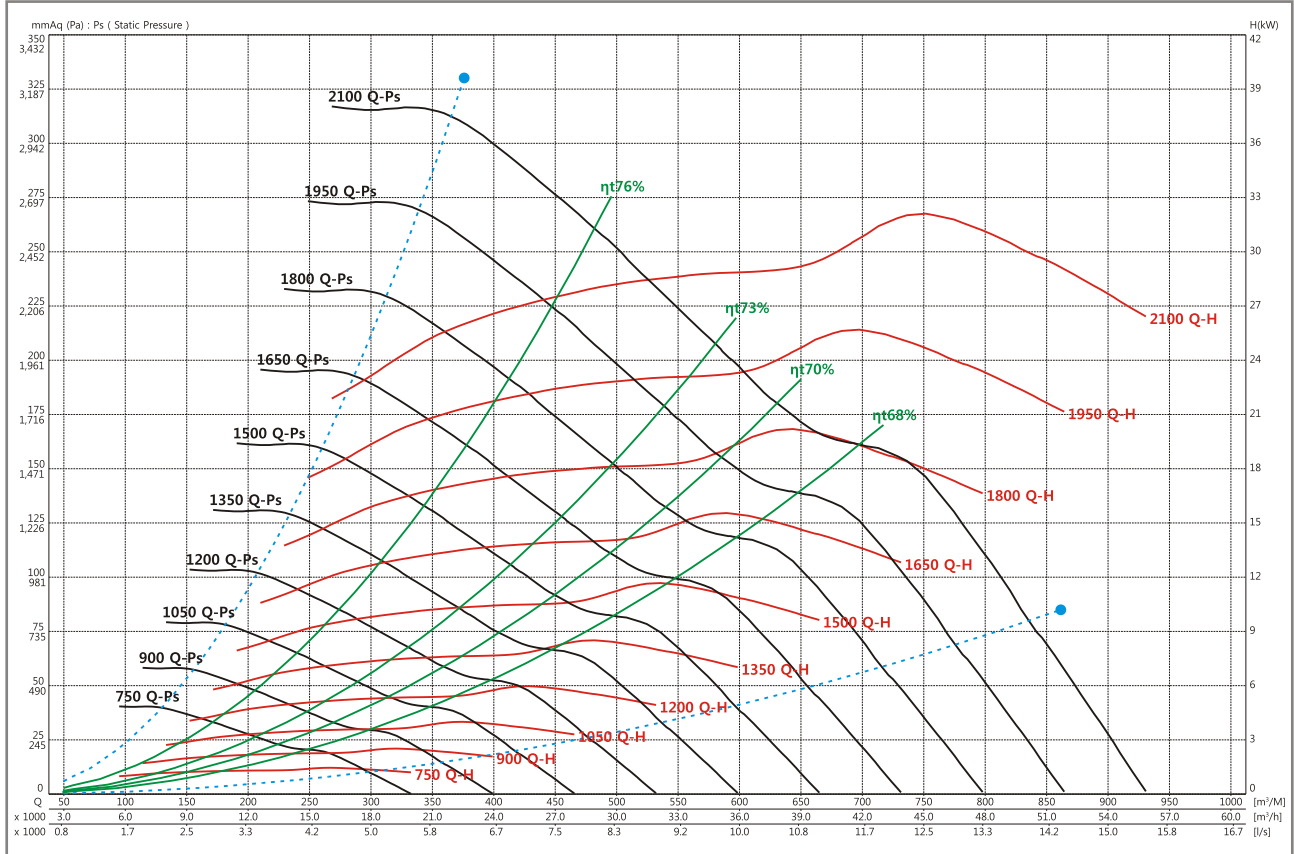
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GAF-4.5DS

FEG 80

Wheel dia	685 mm	Tip Speed = 0.035867 * rpm	Outlet Dim'	900 * 685	Outlet Area	0.6165 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)
300	8.11	854	2.15	66.3	81	1057	3.66	72.1	80	1190	5.16	74.9	80	1305	6.69	75.9	82	1411	8.29	76.0	84
330	8.92	905	2.54	63.3	84	1105	4.21	70.2	83	1235	5.82	73.7	82	1349	7.49	75.3	84	1451	9.18	75.9	85
360	9.73	962	3.01	60.2	85	1148	4.79	68.5	85	1282	6.54	72.4	84	1394	8.33	74.5	85	1494	10.1	75.6	86
390	10.54	1019	3.53	57.4	86	1172	5.35	67.6	86	1332	7.35	70.8	86	1440	9.24	73.4	86	1539	11.2	74.8	87
420	11.35	1079	4.13	54.7	87	1201	5.96	66.5	87	1376	8.16	69.5	89	1487	10.2	72.3	88	1584	12.3	73.9	88
450	12.17	1141	4.82	51.9	88	1249	6.72	64.6	88	1415	9.05	68.1	90	1536	11.3	70.8	90	1631	13.5	73.0	90
480	12.98	1201	5.57	49.8	89	1304	7.58	62.3	90	1436	9.89	67.5	91	1581	12.4	69.8	92	1679	14.7	72.0	92
510	13.79	1262	6.40	47.9	90	1361	8.54	60.2	91	1464	10.8	66.7	92	1623	13.6	68.5	94	1728	16.1	70.5	94
540	14.60	1323	7.32	46.0	91	1419	9.57	58.1	92	1509	11.9	65.2	94	1650	14.7	67.7	95	1771	17.4	69.7	96
570	15.41	1386	8.34	44.3	93	1477	10.7	56.3	94	1563	13.1	63.4	95	1669	15.8	67.2	96	1814	18.9	68.5	97
600	16.22	1449	9.46	42.7	94	1537	11.9	54.2	95	1619	14.5	61.6	96	1705	17.1	66.3	98	1842	20.4	67.8	98
630	17.03	1512	10.7	41.4	96	1599	13.3	52.3	97	1677	16	59.9	98	1754	18.6	64.9	99	1860	21.7	67.4	99

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)
300	8.11	1508	9.94	75.5	86	1600	11.7	75.0	87	1688	13.4	74.0	89								
330	8.92	1547	10.9	76.0	87	1636	12.8	75.7	88	1720	14.6	75.2	89	1802	16.5	74.6	91	1882	18.5	73.7	91
360	9.73	1587	12	76.0	88	1675	13.9	76.0	89	1758	15.9	75.8	90	1837	17.9	75.4	91	1912	20.0	75.0	92
390	10.54	1630	13.2	75.7	89	1715	15.2	76.0	90	1796	17.2	76.1	91	1875	19.4	75.8	92	1949	21.5	75.6	93
420	11.35	1675	14.4	75.0	90	1757	16.5	75.7	91	1837	18.7	75.9	92	1913	20.9	76.1	93	1988	23.2	75.9	93
450	12.17	1720	15.7	74.2	90	1803	18	75.0	92	1879	20.2	75.7	92	1955	22.6	75.9	93	2026	24.9	76.1	94
480	12.98	1766	17.1	73.4	92	1848	19.5	74.4	92	1925	21.9	75.1	93	1997	24.3	75.7	94	2067	26.8	75.9	95
510	13.79	1813	18.5	72.4	94	1894	21.1	73.6	93	1970	23.6	74.5	94	2043	26.2	75.1	95				
540	14.60	1861	20.1	71.4	95	1941	22.7	72.7	95	2016	25.4	73.7	95	2088	28.1	74.5	95				
570	15.41	1909	21.7	70.3	97	1988	24.5	71.9	96	2062	27.3	73.0	96								
600	16.22	1953	23.4	69.4	98	2038	26.4	70.8	98												
630	17.03	1993	25.2	68.3	99	2082	28.3	69.9	99												

- 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-DS series

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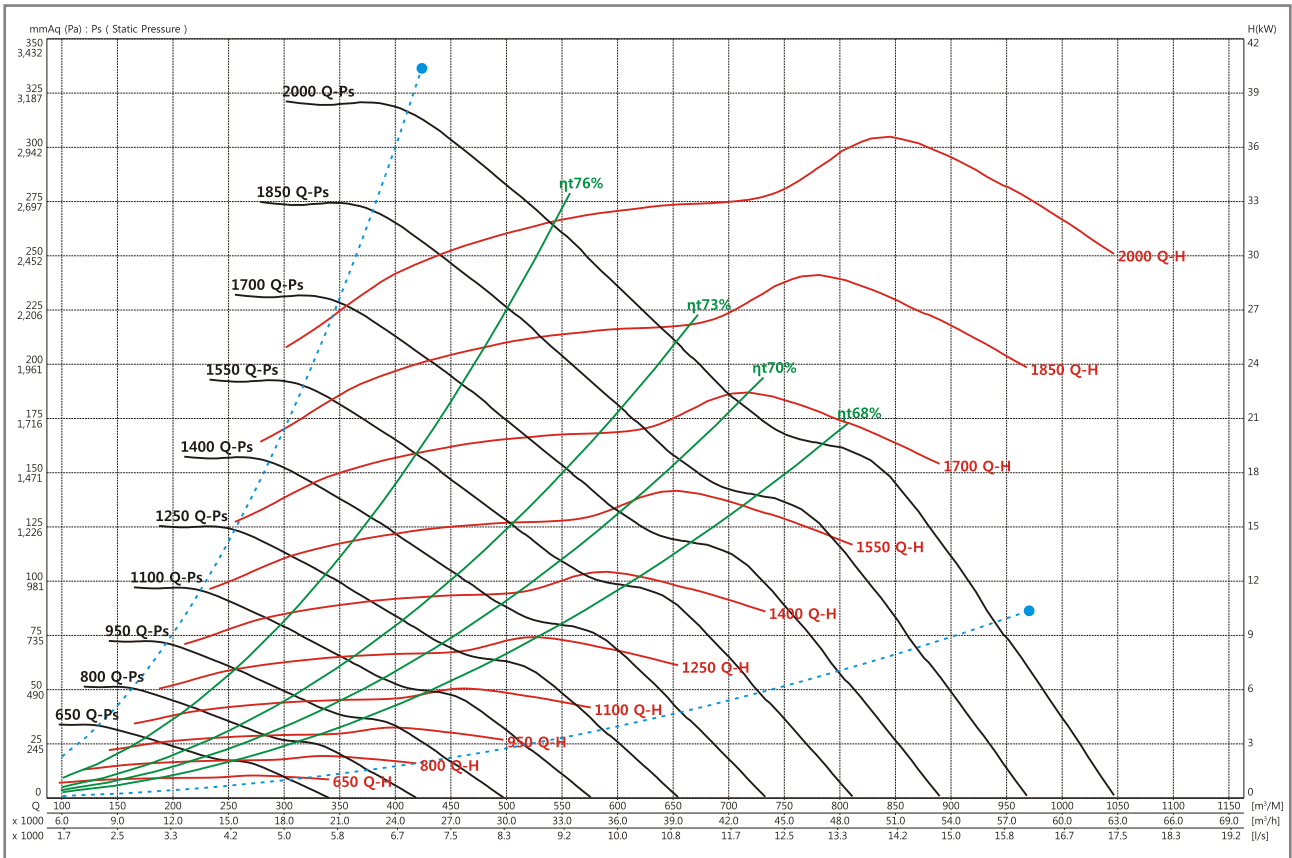


AIR FOIL FAN
GAF-DS series

GAF-4.75DS

FEG 80

Wheel dia	724 mm	Tip Speed = 0.037909 * rpm	Outlet Dim'	950 * 725	Outlet Area	0.6888 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
		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)
250	6.05	726	1.57	70.9	73	889	2.81	75.7	75	1024	4.15	75.8	77	1141	5.55	74.9	80				
300	7.26	780	2.04	67.7	78	953	3.52	73.8	77	1080	5.02	75.9	79	1194	6.63	76.0	81	1297	8.31	75.4	83
350	8.47	828	2.58	64.9	82	1021	4.36	71.2	82	1144	6.07	74.4	81	1252	7.84	75.8	83	1351	9.69	76.1	85
400	9.68	906	3.32	60.4	86	1083	5.29	68.6	85	1211	7.27	72.5	84	1316	9.24	74.5	85	1411	11.3	75.6	86
450	10.89	988	4.22	56.3	87	1117	6.25	67.2	87	1279	8.61	70.2	88	1381	10.8	72.9	87	1475	13.0	74.5	88
500	12.10	1075	5.33	52.3	88	1178	7.43	64.8	89	1337	10.0	68.2	90	1449	12.5	71.0	90	1539	14.9	73.1	90
550	13.31	1160	6.59	49.0	90	1256	8.90	61.4	91	1367	11.4	67.3	92	1513	14.4	69.2	93	1607	17.0	71.4	93
600	14.52	1246	8.06	46.0	92	1337	10.6	58.3	92	1424	13.2	65.4	93	1559	16.3	67.8	95	1672	19.3	69.8	96
650	15.73	1335	9.81	43.8	93	1420	12.5	55.4	94	1500	15.3	62.7	95	1592	18.3	66.9	97	1729	21.8	68.1	98
700	16.94	1424	11.8	41.4	95	1506	14.7	52.6	96	1580	17.6	60.1	97	1654	20.6	65.1	98	1758	24.1	67.5	100
750	18.15	1514	14.0	39.7	97	1593	17.2	50.2	98	1661	20.2	57.6	99	1730	23.4	62.8	100	1804	26.8	66.4	101
800	19.36	1605	16.6	38.0	99	1677	19.9	48.1	100	1744	23.1	55.2	101	1810	26.6	60.4	102	1874	30.0	64.4	102

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)
250	6.05																				
300	7.26	1392	10.0	74.6	85																
350	8.47	1443	11.6	75.8	86	1529	13.6	75.3	88	1610	15.6	74.7	89	1690	17.7	73.7	90				
400	9.68	1499	13.3	76.0	88	1582	15.5	76.0	89	1661	17.7	75.7	90	1736	19.9	75.3	91	1808	22.2	74.9	92
450	10.89	1560	15.3	75.3	89	1639	17.6	75.9	90	1716	19.9	76.1	92	1790	22.4	76.0	93	1859	24.8	75.8	93
500	12.10	1624	17.4	74.3	91	1702	19.9	75.1	92	1775	22.4	75.8	93	1846	25.1	75.9	94	1914	27.7	76.1	94
550	13.31	1689	19.7	73.1	93	1767	22.5	74.1	93	1838	25.2	74.9	94	1907	28.0	75.4	95	1972	30.8	75.9	95
600	14.52	1757	22.3	71.5	96	1831	25.2	72.9	95	1903	28.2	73.8	95	1971	31.1	74.6	95				
650	15.73	1822	25.0	70.0	98	1899	28.2	71.5	97	1969	31.3	72.6	97								
700	16.94	1882	27.9	68.4	100	1965	31.3	70.0	99												
750	18.15	1916	30.8	67.6	101																
800	19.36	1952	33.7	66.9	102																

- 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-DS series

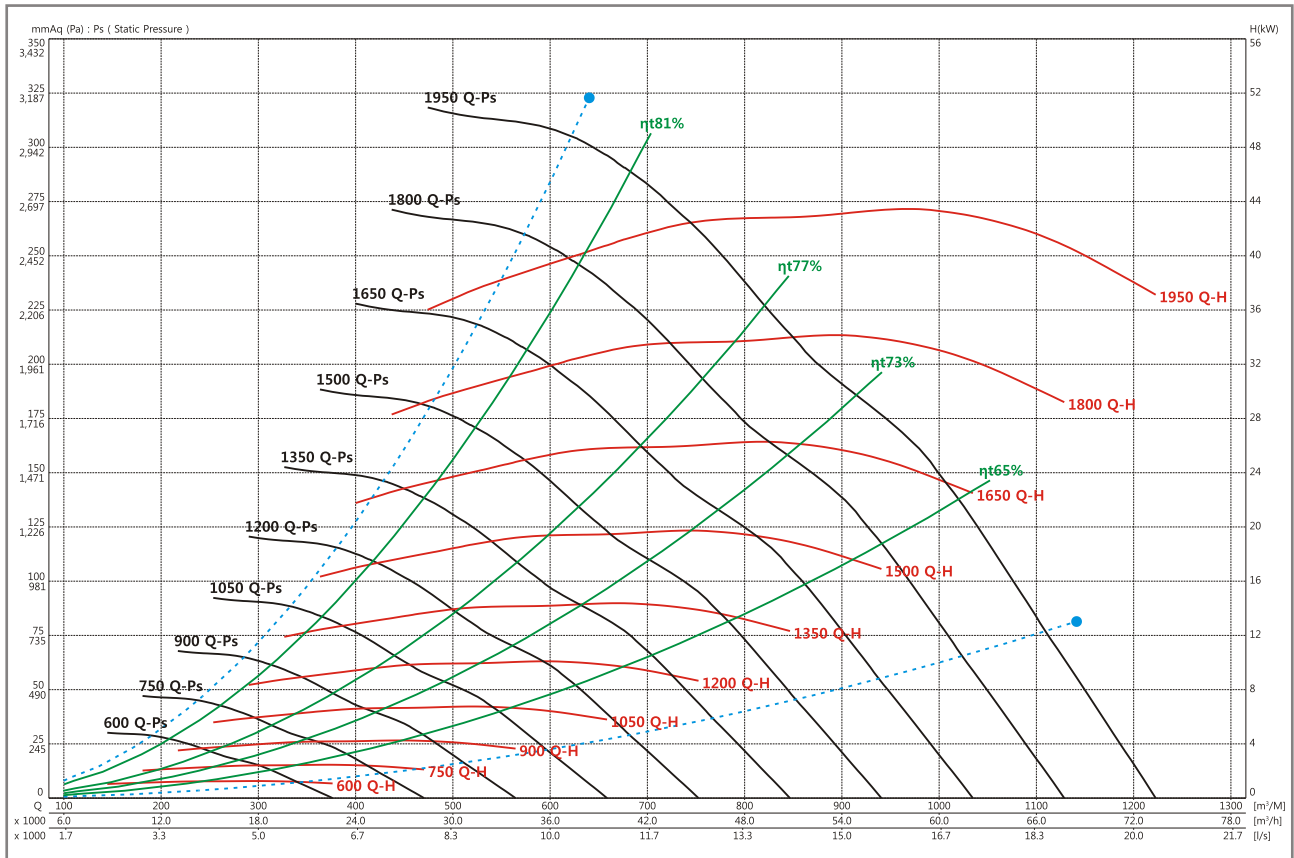
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GAF-5DS

FEG 85

Wheel dia	762 mm	Tip Speed = 0.039898 * rpm	Outlet Dim'	1000 * 760	Outlet Area	0.7600 m ²	Class 1	1504 rpm	Class 2	2005 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)
350	7.68	732	2.28	72.0	73	878	3.87	79.2	77	998	5.52	81.4	80								
400	8.77	788	2.85	68.4	76	935	4.69	76.3	79	1044	6.48	80.4	82	1148	8.39	81.4	84	1250	10.5	80.6	85
450	9.87	853	3.58	63.7	78	990	5.61	73.5	81	1099	7.62	78.2	83	1193	9.65	80.6	85	1286	11.8	81.4	86
500	10.96	923	4.50	59.2	80	1039	6.53	71.8	82	1156	8.88	75.7	85	1245	11.1	79.1	86	1330	13.4	80.7	88
550	12.06	994	5.56	55.3	83	1094	7.64	69.4	84	1210	10.2	73.6	86	1303	12.7	76.9	88	1382	15.1	79.4	89
600	13.16	1066	6.79	51.9	85	1158	9.01	66.0	86	1260	11.6	72.2	87	1360	14.5	74.7	89	1439	17.1	77.5	90
650	14.25	1139	8.20	49.2	87	1225	10.6	62.8	88	1312	13.2	70.5	89	1412	16.3	73.2	90	1496	19.3	75.6	91
700	15.35	1212	9.79	46.7	88	1295	12.4	59.7	89	1372	15.1	68.0	90	1461	18.2	72.0	91	1551	21.6	73.9	92
750	16.45	1285	11.6	44.4	90	1365	14.5	56.7	91	1437	17.2	65.3	91	1514	20.3	70.5	92	1601	23.9	72.8	93
800	17.54	1360	13.6	42.5	91	1436	16.7	54.1	92	1505	19.7	62.5	93	1574	22.8	68.5	93	1651	26.3	71.6	94
850	18.64	1435	15.9	41.0	92	1508	19.2	51.9	93	1574	22.4	60.0	94	1638	25.6	66.0	95	1705	29.0	70.2	95
900	19.74	1512	18.4	39.7	94	1582	22.0	49.8	95	1645	25.4	57.6	95	1705	28.7	63.8	96	1766	32.2	68.2	96

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)
350	7.68																				
400	8.77																				
450	9.87	1377	14.1	81.0	88																
500	10.96	1414	15.8	81.4	89	1496	18.3	81.2	90												
550	12.06	1459	17.7	80.7	90	1535	20.3	81.4	91	1610	23.0	81.3	92	1685	25.9	80.9	93				
600	13.16	1511	19.8	79.5	91	1581	22.5	80.6	92	1651	25.4	81.3	93	1720	28.3	81.4	94	1789	31.4	81.2	94
650	14.25	1568	22.2	77.8	92	1633	25.0	79.5	93	1698	28.0	80.5	94	1763	31.0	81.0	94	1827	34.2	81.4	95
700	15.35	1625	24.7	76.0	93	1690	27.8	77.9	94	1751	30.9	79.4	95	1811	34.0	80.3	95	1873	37.4	80.8	96
750	16.45	1681	27.5	74.3	94	1747	30.8	76.3	95	1808	34.1	77.9	96	1865	37.4	79.2	96	1921	40.7	80.1	97
800	17.54	1732	30.2	73.2	95	1804	33.9	74.6	96	1865	37.4	76.3	97	1922	41.0	77.7	97				
850	18.64	1781	33.0	72.2	96	1856	37.1	73.5	97	1922	41.1	74.8	98								
900	19.74	1832	36.0	71.0	97	1904	40.3	72.6	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.

2015.Jan-R10.0

GAF-DS series

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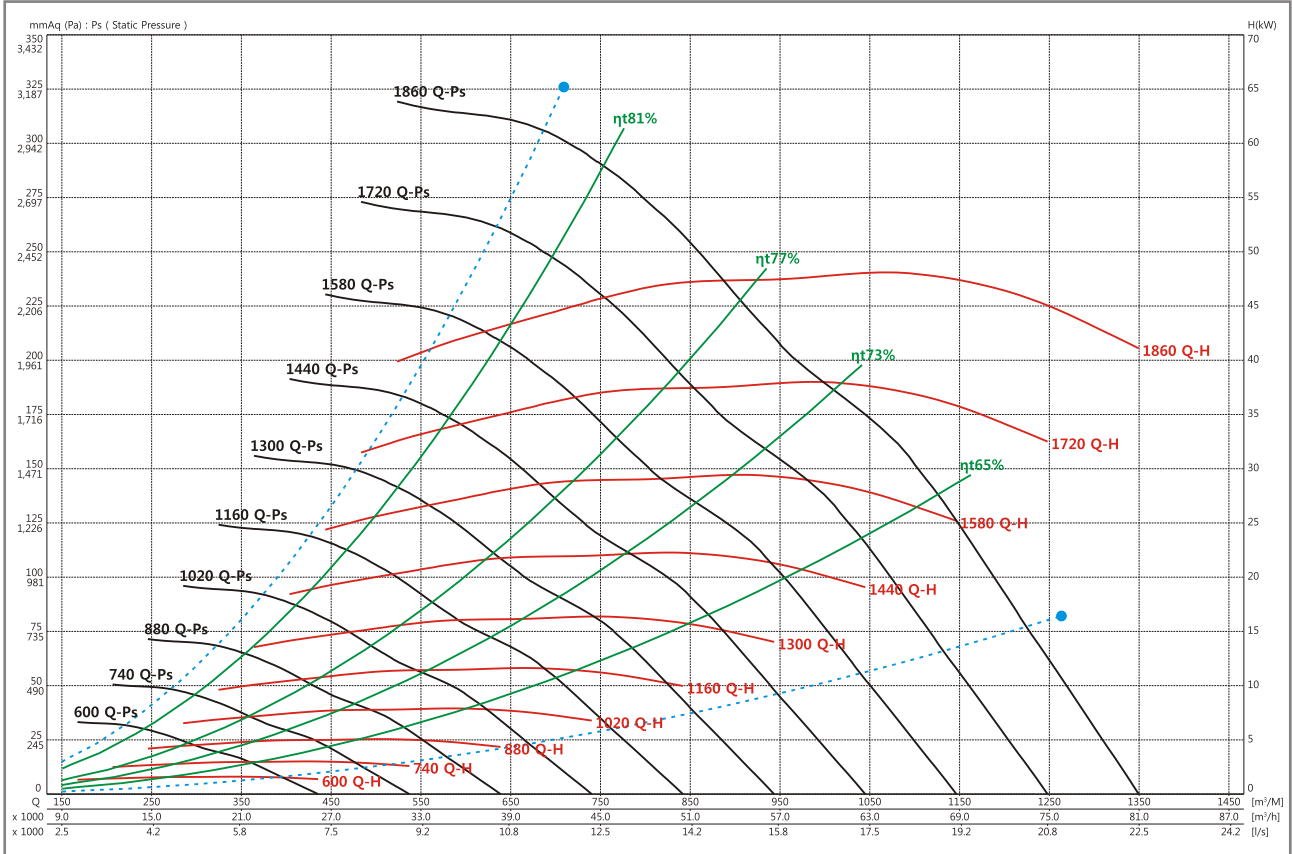


AIR FOIL FAN
GAF-DS series

GAF-5.25DS

FEG 85

Wheel dia	800 mm	Tip Speed = 0.041888 * rpm	Outlet Dim'	1050 * 800	Outlet Area	0.8400 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	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
400	7.94	709	2.65	71.2	74	850	4.49	78.5	78	960	6.32	81.3	81	1068	8.37	80.8	83				
450	8.93	761	3.27	67.6	76	899	5.33	75.7	80	1002	7.33	80.1	82	1100	9.46	81.4	84	1196	11.8	80.9	86
500	9.92	818	4.03	63.4	78	946	6.24	73.4	81	1050	8.47	78.0	84	1139	10.7	80.6	85	1227	13.1	81.4	87
550	10.91	878	4.94	59.2	81	989	7.19	71.8	83	1100	9.76	75.8	85	1185	12.2	79.1	87	1266	14.7	80.7	88
600	11.90	939	5.99	55.7	83	1036	8.28	69.8	84	1148	11.1	73.8	86	1235	13.8	77.2	88	1310	16.4	79.6	89
650	12.90	1001	7.18	52.5	84	1091	9.63	66.8	86	1190	12.5	72.5	87	1284	15.6	75.3	89	1359	18.4	77.9	90
700	13.89	1064	8.55	49.8	86	1148	11.2	63.8	87	1234	14.0	71.0	88	1331	17.4	73.6	90	1409	20.5	76.2	91
750	14.88	1127	10.1	47.4	88	1207	12.9	60.9	89	1284	15.8	69.1	90	1373	19.2	72.5	91	1458	22.8	74.4	92
800	15.87	1191	11.8	45.6	89	1268	14.8	58.1	90	1339	17.8	66.6	91	1417	21.2	71.3	92	1502	25.1	73.3	93
850	16.87	1255	13.7	43.7	90	1329	17.0	55.7	91	1396	20.1	64.2	92	1465	23.4	69.8	93	1545	27.4	72.3	94
900	17.86	1319	15.8	42.0	92	1391	19.3	53.4	93	1455	22.6	61.6	93	1519	26.1	67.6	94	1589	29.9	71.2	95
950	18.85	1385	18.2	40.8	93	1453	21.9	51.3	94	1515	25.4	59.3	95	1575	28.9	65.5	95	1636	32.7	69.8	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
400	7.94																				
450	8.93																				
500	9.92	1314	15.7	81.0	88																
550	10.91	1346	17.3	81.4	89	1425	20.2	81.2	90												
600	11.90	1385	19.3	80.7	90	1458	22.1	81.4	91	1530	25.1	81.4	92	1601	28.3	80.8	93				
650	12.90	1428	21.3	79.8	91	1497	24.3	80.7	92	1564	27.4	81.4	93	1632	30.7	81.3	94	1697	34.0	81.1	94
700	13.89	1477	23.6	78.4	92	1540	26.7	79.9	93	1604	30.0	80.7	94	1666	33.2	81.3	94	1729	36.7	81.4	95
750	14.88	1526	26.1	76.7	93	1588	29.4	78.5	94	1647	32.7	79.8	94	1707	36.2	80.6	95	1765	39.7	81.1	96
800	15.87	1575	28.8	75.1	94	1638	32.3	77.0	95	1695	35.8	78.6	95	1751	39.4	79.8	96	1806	43.0	80.5	97
850	16.87	1622	31.5	73.8	95	1686	35.3	75.6	96	1745	39.1	77.2	96	1799	42.8	78.6	97	1851	46.6	79.6	98
900	17.86	1665	34.3	72.9	96	1736	38.6	74.2	96	1794	42.5	75.8	97	1849	46.5	77.3	98				
950	18.85	1708	37.1	72.0	96	1779	41.7	73.2	97	1844	46.3	74.4	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-DS series

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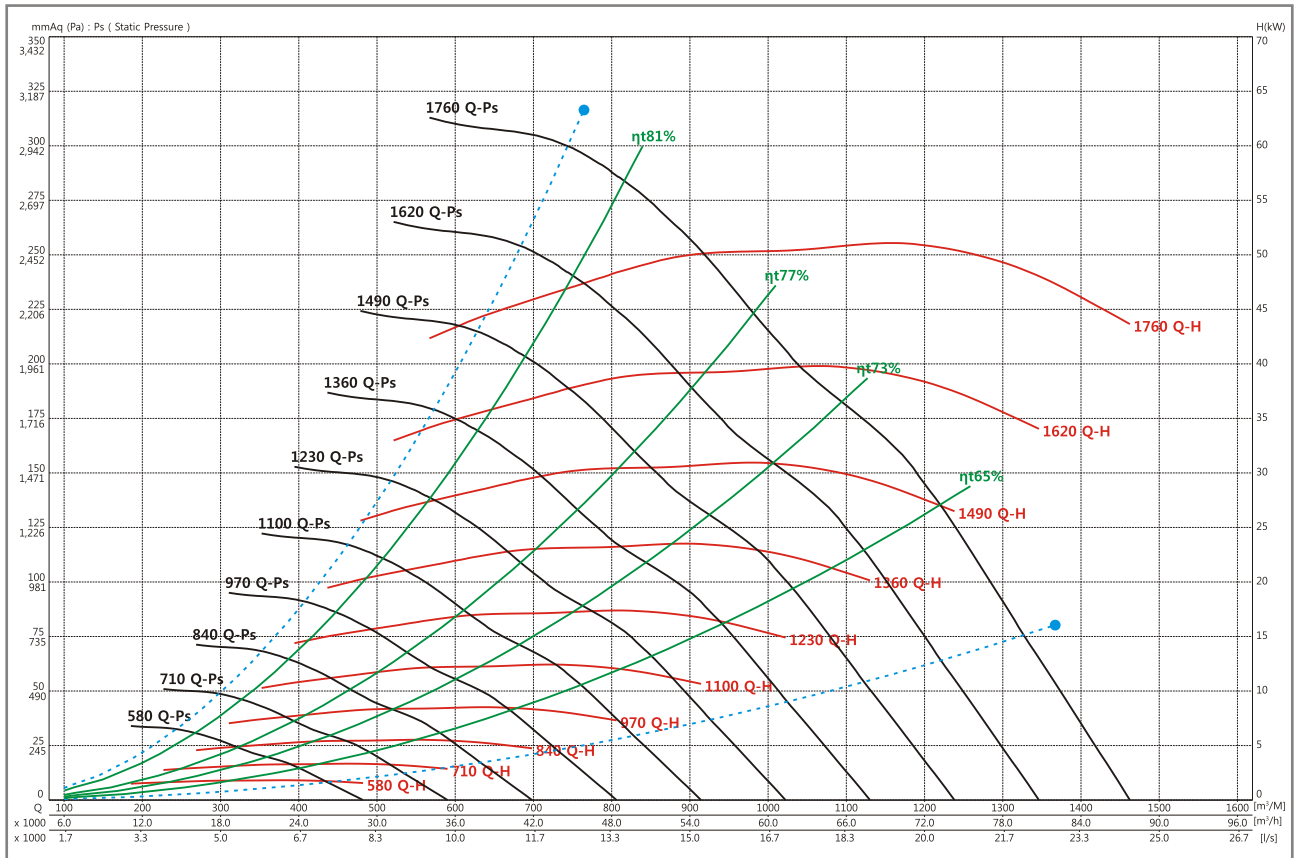
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GAF-5.5DS

FEG 85

Wheel dia	838 mm	Tip Speed = 0.043878 * rpm	Outlet Dim'	1100 * 840	Outlet Area	0.9240 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	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)
450	8.12	686	3.03	70.7	75	821	5.10	77.9	79	925	7.17	81.1	81	1025	9.40	81.1	84				
500	9.02	732	3.67	67.1	77	864	5.96	75.5	80	961	8.17	79.9	83	1054	10.5	81.4	85	1144	13.1	81.0	86
550	9.92	782	4.44	63.2	79	904	6.87	73.4	82	1004	9.34	77.9	84	1089	11.8	80.5	86	1172	14.4	81.4	87
600	10.82	834	5.34	59.5	81	941	7.82	72.0	83	1047	10.6	75.9	85	1128	13.3	79.2	87	1206	16.0	80.7	88
650	11.72	887	6.37	56.1	82	981	8.88	70.1	84	1089	12.0	74.0	86	1171	14.9	77.4	88	1244	17.7	79.8	89
700	12.63	941	7.54	53.2	84	1028	10.2	67.4	86	1126	13.3	72.8	87	1214	16.6	75.7	89	1286	19.7	78.4	90
750	13.53	995	8.86	50.6	86	1077	11.7	64.7	87	1164	14.8	71.5	88	1256	18.4	74.0	90	1329	21.8	76.7	91
800	14.43	1051	10.3	48.5	87	1128	13.3	61.9	88	1205	16.4	70.0	89	1294	20.2	73.0	91	1372	24.0	75.2	92
850	15.33	1105	11.9	46.4	89	1180	15.2	59.5	90	1251	18.4	67.8	91	1331	22.1	72.0	92	1413	26.3	73.8	93
900	16.23	1161	13.7	44.7	90	1233	17.2	57.1	91	1300	20.5	65.6	92	1370	24.2	70.7	92	1450	28.5	72.9	94
950	17.14	1217	15.7	43.2	91	1287	19.4	54.9	92	1350	22.9	63.4	93	1414	26.6	69.1	93	1487	30.9	72.0	94
1000	18.04	1274	17.9	41.8	92	1341	21.8	52.8	93	1402	25.5	61.2	94	1462	29.3	67.2	94	1526	33.5	70.9	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)
450	8.12																				
500	9.02																				
550	9.92	1255	17.3	81.1	89																
600	10.82	1282	18.9	81.4	89	1358	22.0	81.1	90												
650	11.72	1316	20.8	80.8	90	1386	23.9	81.4	91	1455	27.2	81.3	92	1525	30.7	80.5	93				
700	12.63	1353	22.8	80.1	91	1419	26.1	80.9	92	1485	29.4	81.4	93	1549	32.9	81.4	94	1614	36.7	80.9	95
750	13.53	1394	25.0	78.9	92	1456	28.4	80.2	93	1518	32.0	80.9	94	1579	35.5	81.4	94	1640	39.3	81.3	95
800	14.43	1437	27.5	77.4	93	1496	31.0	79.1	94	1554	34.6	80.3	94	1613	38.4	80.8	95	1670	42.1	81.4	96
850	15.33	1480	30.1	75.9	94	1539	33.8	77.8	94	1595	37.5	79.3	95	1649	41.4	80.3	96	1705	45.4	80.8	97
900	16.23	1523	32.8	74.4	94	1582	36.8	76.4	95	1637	40.7	78.0	96	1690	44.7	79.3	97	1741	48.7	80.2	97
950	17.14	1562	35.6	73.5	95	1625	39.9	75.1	96	1680	44.0	76.7	97	1732	48.2	78.2	97				
1000	18.04	1598	38.3	72.7	96	1666	43.1	73.9	97	1723	47.5	75.6	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-DS series

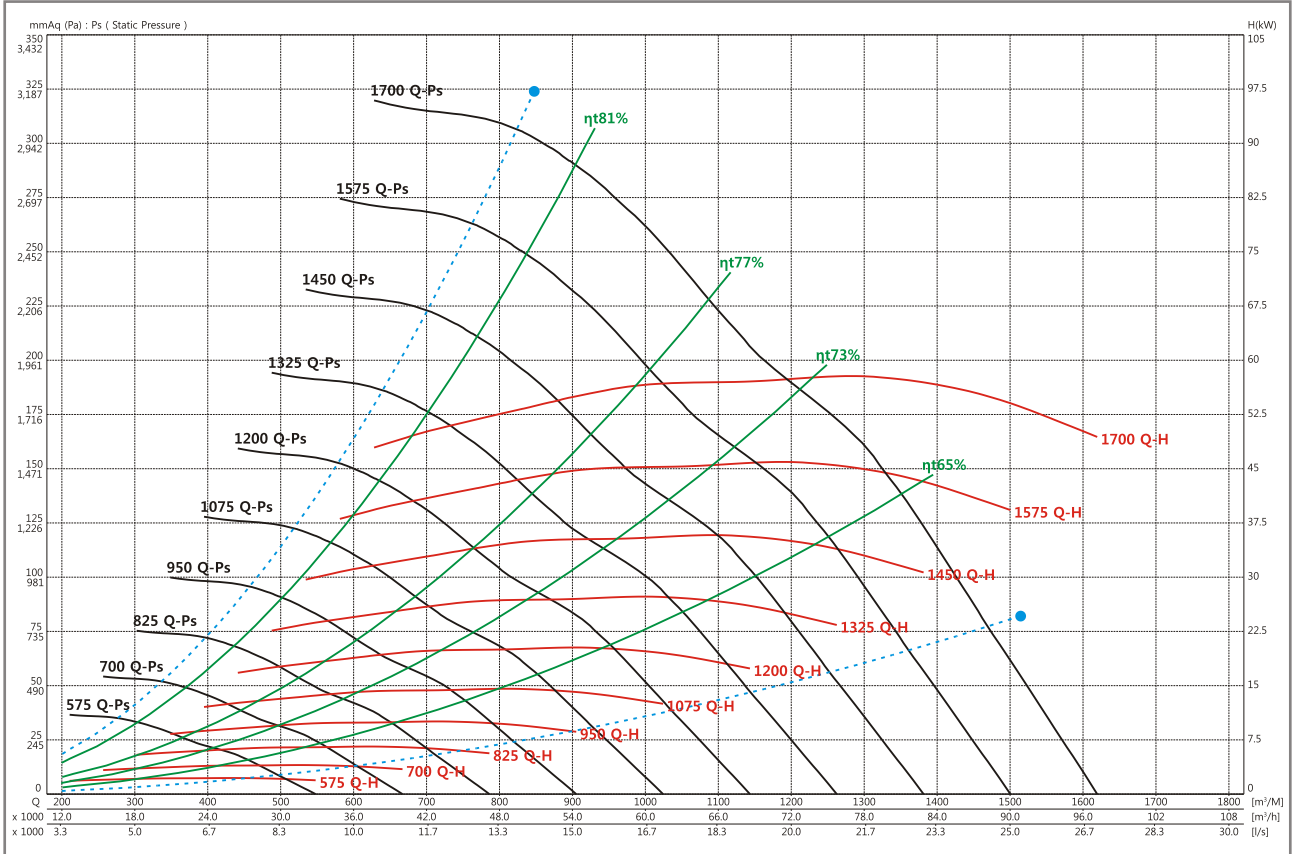
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GAF-DS series

GAF-5.75DS FEG 85

Wheel dia	876 mm	Tip Speed = 0.045867 * rpm	Outlet Dim'	1150 * 875	Outlet Area	1.0063 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	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)
375	6.21	575	2.20	76.2	71	707	3.94	81.4	76												
450	7.45	627	2.88	72.4	74	754	4.92	79.7	78	861	7.07	81.3	81								
525	8.70	682	3.72	68.6	76	810	6.13	76.3	80	905	8.48	80.5	82	997	11.0	81.4	84	1086	13.8	80.4	86
600	9.94	747	4.83	63.2	79	864	7.49	73.4	82	959	10.2	78.0	84	1040	12.9	80.6	86	1121	15.7	81.4	87
675	11.18	815	6.22	58.3	81	913	8.93	71.3	83	1016	12.1	75.3	86	1094	15.1	78.6	87	1166	18.1	80.5	89
750	12.42	886	7.89	53.9	84	971	10.7	68.2	85	1068	14.2	73.1	87	1150	17.6	76.2	89	1219	20.9	78.8	90
825	13.66	958	9.85	50.4	86	1035	12.9	64.5	87	1117	16.4	71.4	89	1205	20.3	73.9	90	1276	24	76.6	91
900	14.91	1030	12.1	47.4	88	1102	15.5	60.8	89	1172	18.9	69.1	90	1254	23.1	72.5	91	1332	27.4	74.4	93
975	16.15	1102	14.7	45.0	90	1172	18.4	57.4	91	1236	22.1	66.0	92	1305	26.1	70.9	93	1382	30.8	73.0	94
1050	17.39	1175	17.7	42.9	92	1242	21.8	54.4	93	1302	25.6	63.0	93	1362	29.6	68.7	94	1431	34.4	71.7	95
1125	18.63	1250	21.1	41.0	93	1313	25.5	51.9	94	1370	29.7	60.0	95	1426	33.9	66.0	95	1484	38.4	70.1	96
1200	19.88	1325	24.9	39.5	95	1386	29.8	49.5	96	1440	34.2	57.2	96	1491	38.6	63.4	97	1544	43.2	67.9	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)
375	6.21																				
450	7.45																				
525	8.70																				
600	9.94	1199	18.8	81.0	89																
675	11.18	1237	21.3	81.4	90	1307	24.7	81.4	91	1377	28.3	80.7	92								
750	12.42	1283	24.3	80.4	91	1348	27.8	81.1	92	1412	31.5	81.4	93	1475	35.3	81.2	94	1538	39.4	80.5	95
825	13.66	1337	27.6	78.7	92	1396	31.3	80.1	93	1456	35.2	80.8	94	1513	39.1	81.4	95	1571	43.2	81.3	95
900	14.91	1394	31.4	76.7	93	1451	35.3	78.5	94	1505	39.3	79.8	95	1559	43.5	80.6	96	1613	47.7	81.1	96
975	16.15	1450	35.4	74.7	95	1507	39.7	76.6	95	1560	43.9	78.2	96	1610	48.2	79.5	97	1659	52.7	80.3	97
1050	17.39	1501	39.4	73.3	96	1564	44.4	74.8	96	1616	49.0	76.5	97	1666	53.6	77.9	98				
1125	18.63	1550	43.7	72.2	97	1615	49.1	73.4	97	1673	54.4	74.8	98								
1200	19.88	1601	48.3	70.9	98	1663	54.0	72.4	98												

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- 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-DS series

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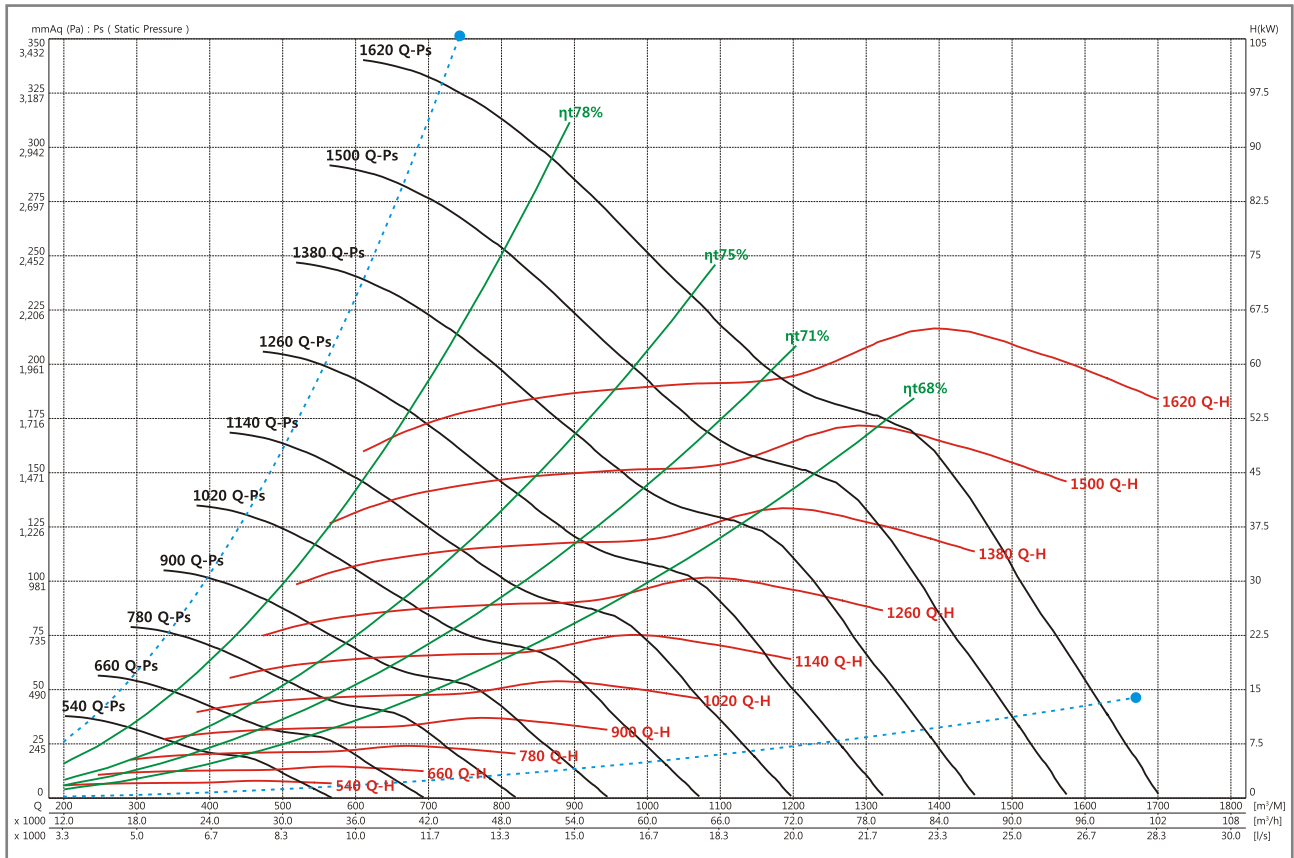
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GAF-6DS

FEG 80

Wheel dia	914 mm	Tip Speed = 0.047857 * rpm	Outlet Dim'	1200 * 915	Outlet Area	1.0980 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	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)
450	6.83	596	2.94	69.7	71	727	5.11	75.8	75	826	7.36	77.6	78	916	9.78	77.0	80	1002	12.4	75.2	83
525	7.97	625	3.69	66.9	75	776	6.28	73.3	77	873	8.83	76.4	80	956	11.4	77.5	82	1035	14.2	77.3	84
600	9.11	680	4.76	61.9	79	824	7.61	70.8	79	921	10.5	74.6	82	1004	13.4	76.6	84	1077	16.4	77.5	85
675	10.25	742	6.08	57.1	82	856	9.04	68.8	82	971	12.3	72.6	84	1052	15.6	74.9	86	1124	18.9	76.5	87
750	11.38	806	7.66	52.5	84	889	10.6	66.7	85	1017	14.4	70.4	86	1102	18.0	73.2	87	1173	21.6	75.0	89
825	12.52	871	9.54	49.0	87	943	12.7	63.1	87	1047	16.5	68.8	88	1151	20.7	71.4	89	1223	24.6	73.5	90
900	13.66	936	11.7	46.0	89	1003	15.2	59.5	89	1077	18.9	67.2	90	1191	23.5	69.7	90	1272	27.8	71.9	91
975	14.80	1001	14.2	43.1	91	1066	18.0	56.1	91	1127	21.8	64.6	91	1216	26.3	68.5	92	1316	31.3	70.3	93
1050	15.94	1068	17.0	41.0	93	1131	21.2	53.1	93	1185	25.2	61.6	93	1250	29.6	67.0	94	1346	34.8	69.1	94
1125	17.08	1135	20.3	39.0	95	1195	24.8	50.4	95	1247	29.1	58.8	95	1300	33.5	64.6	95	1373	38.6	67.9	96
1200	18.21	1203	24.0	37.4	96	1260	28.8	48.0	96	1309	33.3	55.9	97	1358	38.0	62.0	97	1412	42.8	66.3	97
1275	19.35	1270	28.0	35.8	98	1324	33.1	45.8	98	1374	38.1	53.3	98	1419	43.0	59.5	98	1466	48.0	64.1	99

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
450	6.83																				
525	7.97	1109	17.2	76.4	86	1182	20.4	75.0	87												
600	9.11	1146	19.5	77.5	87	1213	22.8	77.0	88	1278	26.2	76.2	90	1342	29.9	75.1	91				
675	10.25	1190	22.2	77.4	88	1253	25.7	77.6	90	1314	29.3	77.4	91	1373	33.0	76.9	92	1430	36.9	76.3	93
750	11.38	1238	25.2	76.3	90	1298	28.9	77.2	91	1356	32.8	77.5	92	1411	36.6	77.6	93	1466	40.7	77.3	94
825	12.52	1287	28.6	75.0	91	1347	32.6	76.1	92	1402	36.6	76.9	93	1455	40.7	77.4	94	1507	44.9	77.6	95
900	13.66	1336	32.1	73.6	93	1395	36.5	74.9	94	1451	40.8	75.8	94	1503	45.2	76.6	95	1552	49.5	77.2	96
975	14.80	1386	36.0	72.2	94	1445	40.7	73.5	95	1499	45.3	74.7	96	1552	50.1	75.5	96	1601	54.8	76.3	97
1050	15.94	1431	40.0	70.7	95	1494	45.1	72.2	96	1550	50.2	73.4	97	1600	55.2	74.5	97				
1125	17.08	1466	44.3	69.4	96	1540	49.9	70.8	97	1598	55.2	72.2	98								
1200	18.21	1491	48.7	68.4	98	1578	54.9	69.6	98												
1275	19.35	1523	53.4	67.2	99	1603	59.9	68.7	99												

- 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-DS series

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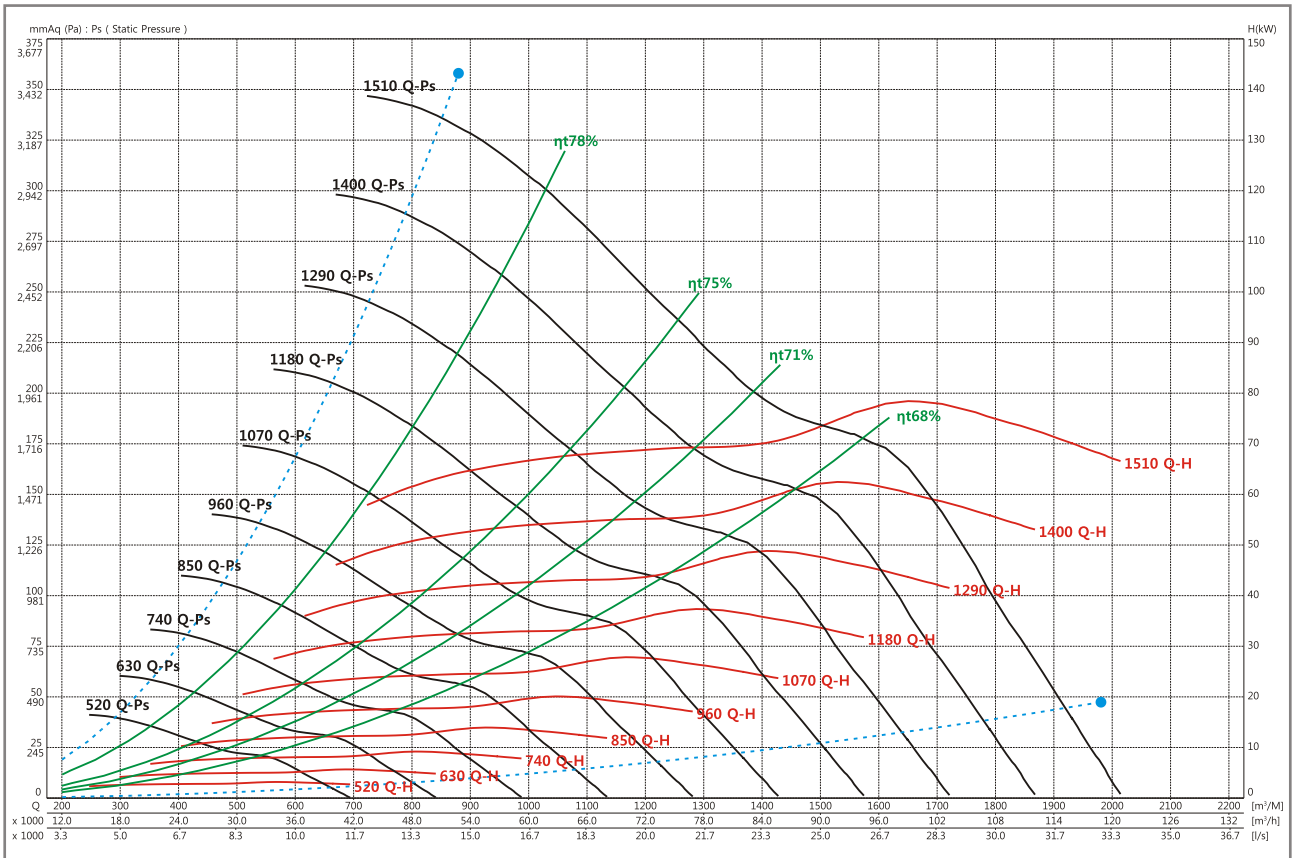


AIR FOIL FAN
GAF-DS series

GAF-6.5DS

FEG 80

Wheel dia	990 mm	Tip Speed = 0.051836 * rpm	Outlet Dim'	1300 * 990	Outlet Area	1.2870 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
		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	5.18					609	4.34	77.4	71	714	6.65	75.0	75								
500	6.48	539	3.18	70.7	70	657	5.60	76.5	74	750	8.14	77.6	77	835	10.9	76.3	80				
600	7.77	571	4.16	67.5	75	708	7.10	73.9	77	798	10.0	76.8	80	875	13.0	77.6	82	949	16.3	77.1	84
700	9.07	625	5.51	62.0	79	759	8.85	70.9	80	849	12.2	74.7	82	924	15.6	76.6	84	992	19.1	77.5	86
800	10.36	690	7.28	56.5	82	792	10.8	68.6	83	901	14.7	72.4	84	976	18.6	74.8	86	1042	22.4	76.4	87
900	11.66	758	9.47	51.6	85	831	13.0	65.9	86	947	17.5	70.0	86	1028	21.8	72.9	88	1093	26.1	74.7	89
1000	12.95	826	12.1	47.8	88	890	15.9	61.7	88	975	20.4	68.3	89	1077	25.4	70.7	89	1145	30.2	73.0	91
1100	14.25	894	15.1	44.5	90	955	19.4	57.9	90	1016	23.8	66.0	91	1112	29.2	69.1	91	1196	34.7	71.1	92
1200	15.54	964	18.7	41.8	92	1022	23.5	54.2	93	1075	28.1	62.7	93	1141	33.2	67.6	93	1235	39.4	69.5	94
1300	16.84	1034	22.9	39.5	95	1090	28.1	50.9	95	1138	33.0	59.4	95	1189	38.2	65.2	95	1261	44.2	68.2	96
1400	18.13	1105	27.7	37.4	96	1158	33.4	48.2	97	1204	38.7	56.3	97	1249	44.1	62.3	97	1300	49.8	66.6	97
1500	19.43	1176	33.2	35.8	98	1225	39.1	45.7	98	1272	45.1	53.3	99	1312	50.7	59.4	99	1356	56.6	64.0	99

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)
400	5.18																				
500	6.48																				
600	7.77	1019	19.7	75.9	86																
700	9.07	1057	22.8	77.5	87	1119	26.6	77.0	88	1179	30.7	76.1	90	1237	34.8	75.0	91				
800	10.36	1102	26.3	77.3	89	1160	30.4	77.6	90	1217	34.8	77.4	91	1270	39.1	77.0	92	1323	43.6	76.4	93
900	11.66	1154	30.5	76.1	90	1209	34.9	77.0	91	1261	39.4	77.5	92	1312	44.0	77.6	93	1362	48.8	77.4	94
1000	12.95	1204	35.0	74.5	92	1260	39.9	75.7	93	1311	44.7	76.6	94	1359	49.6	77.2	95	1406	54.6	77.5	95
1100	14.25	1256	39.8	72.9	93	1310	45.1	74.3	94	1362	50.5	75.2	95	1410	55.8	76.1	96	1455	61.1	76.8	97
1200	15.54	1307	45.3	71.1	95	1363	51.0	72.8	96	1413	56.7	74.0	96	1461	62.6	74.9	97	1507	68.4	75.6	98
1300	16.84	1348	50.9	69.7	96	1413	57.2	71.1	97	1465	63.4	72.6	98								
1400	18.13	1374	56.6	68.5	98	1454	63.8	69.7	98												
1500	19.43	1408	63.0	67.2	99	1481	70.5	68.6	100												

- 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-DS series

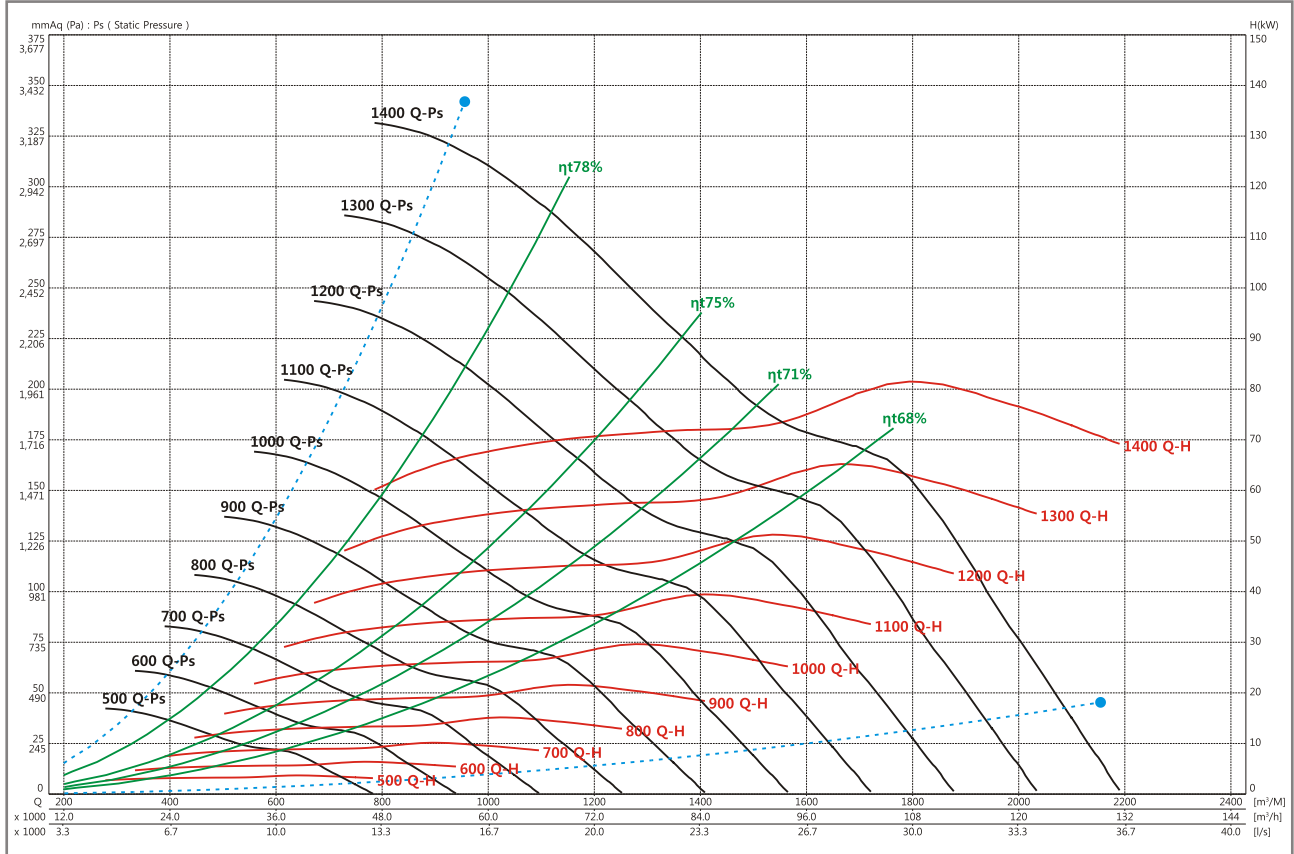
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GAF-7DS

FEG 80

Wheel dia	1066 mm	Tip Speed = 0.055816 * rpm	Outlet Dim'	1400 * 1065	Outlet Area	1.4910 m ²	Class 1	1075 rpm	Class 2	1433 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	5.59					578	5.44	77.6	72	671	8.19	76.3	76								
600	6.71	507	3.88	70.0	71	618	6.78	76.1	75	703	9.78	77.6	78	781	13.0	76.8	80	856	16.6	75.0	83
700	7.82	531	4.87	67.4	75	659	8.31	73.7	77	742	11.7	76.7	80	814	15.2	77.6	82	882	19.0	77.2	84
800	8.94	575	6.22	62.7	79	700	10.1	71.2	79	783	13.9	74.9	82	853	17.8	76.8	84	917	21.8	77.5	85
900	10.06	626	7.92	57.9	82	730	11.9	69.1	82	825	16.3	72.9	84	895	20.7	75.2	86	956	25.0	76.7	87
1000	11.18	680	9.96	53.3	84	755	14.0	67.2	85	865	19.0	70.8	86	936	23.8	73.5	87	997	28.7	75.3	89
1100	12.30	735	12.4	49.8	87	797	16.6	63.9	87	893	21.9	69.1	88	978	27.3	71.7	89	1038	32.5	73.9	90
1200	13.41	789	15.2	46.6	89	847	19.8	60.4	89	916	24.9	67.6	90	1014	31.0	70.1	90	1080	36.7	72.4	92
1300	14.53	844	18.4	43.9	91	899	23.4	56.9	91	954	28.6	65.3	92	1037	34.8	68.8	92	1119	41.3	70.7	93
1400	15.65	900	22.1	41.6	93	954	27.6	53.9	93	1002	32.9	62.4	93	1062	38.9	67.4	94	1148	46.0	69.4	94
1500	16.77	956	26.2	39.5	95	1008	32.2	51.1	95	1053	37.9	59.5	95	1101	43.9	65.4	95	1169	50.9	68.3	96
1600	17.89	1012	30.9	37.7	96	1062	37.4	48.7	97	1105	43.4	56.8	97	1148	49.7	62.9	97	1198	56.3	67.0	97

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	5.59																				
600	6.71																				
700	7.82	947	23.0	76.0	86																
800	8.94	977	26.0	77.4	87	1035	30.5	76.8	88	1092	35.2	75.8	90								
900	10.06	1013	29.5	77.5	88	1067	34.2	77.6	90	1120	39.0	77.3	91	1171	44.1	76.7	92	1222	49.4	75.9	93
1000	11.18	1053	33.5	76.6	90	1105	38.4	77.4	91	1154	43.5	77.6	92	1203	48.8	77.5	93	1250	54.3	77.2	94
1100	12.30	1094	37.9	75.3	91	1145	43.2	76.4	92	1193	48.5	77.1	93	1239	54.1	77.5	94	1283	59.7	77.6	95
1200	13.41	1135	42.5	74.0	93	1186	48.3	75.1	94	1234	54.1	76.1	94	1278	59.9	76.9	95	1321	65.9	77.4	96
1300	14.53	1177	47.5	72.6	94	1227	53.8	74.0	95	1275	60.1	75.0	96	1319	66.3	75.8	96	1361	72.6	76.5	97
1400	15.65	1217	52.9	71.0	95	1269	59.6	72.7	96	1316	66.3	73.8	97	1360	73.1	74.8	97				
1500	16.77	1249	58.6	69.7	96	1310	66.0	71.2	97	1357	73.0	72.7	98								
1600	17.89	1271	64.3	68.7	98	1344	72.5	70.0	98	1398	80.3	71.3	99								

- 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-DS series

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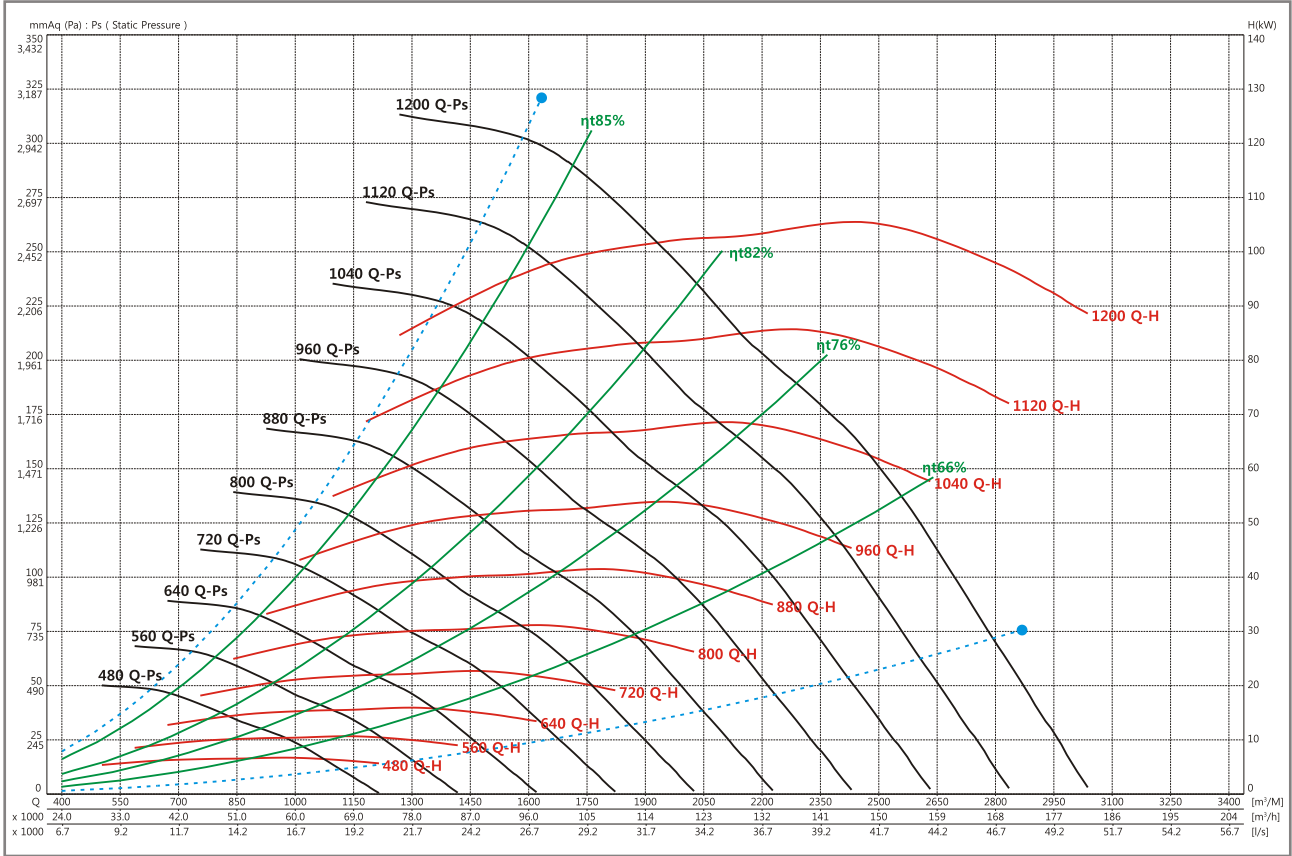


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GAF-DS series

GAF-8DS

FEG 90

Wheel dia	1210 mm	Tip Speed = 0.063356 * rpm	Outlet Dim'	1600 * 1220	Outlet Area	1.9520 m ²	Class 1	947 rpm	Class 2	1263 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)
875	7.47					538	9.13	83.0	74	612	13.1	85.1	77								
1000	8.54	484	6.88	69.6	75	572	11.1	79.9	77	641	15.3	84.2	79	705	19.9	85.1	81				
1125	9.61	524	8.62	64.2	78	605	13.2	76.9	79	673	18.0	82.1	81	733	22.9	84.5	83	789	28.0	85.1	84
1250	10.67	567	10.8	59.0	81	637	15.7	74.1	82	708	21.0	79.4	83	764	26.2	82.9	85	817	31.7	84.6	86
1375	11.74	611	13.3	54.5	84	672	18.4	70.8	84	740	24.3	77.0	85	798	30.0	80.8	86	848	35.8	83.2	88
1500	12.81	655	16.1	50.3	86	712	21.8	67.2	86	772	27.9	74.7	87	832	34.2	78.3	88	881	40.4	81.4	89
1625	13.87	700	19.5	47.0	88	753	25.5	63.5	88	806	31.9	72.4	89	864	38.8	76.5	90	916	45.6	79.2	91
1750	14.94	746	23.4	44.6	90	795	29.7	59.5	90	843	36.4	69.2	91	896	43.6	74.5	92	949	51.1	77.4	92
1875	16.01	791	27.6	42.3	92	839	34.6	56.2	92	883	41.5	66.3	92	930	49.0	72.4	93	980	56.8	75.7	93
2000	17.08	838	32.6	40.7	94	883	39.9	53.1	94	924	47.2	63.1	94	967	55.0	69.8	94	1013	63.2	73.9	95
2125	18.14	884	37.9	38.9	95	928	46.0	50.4	95	967	53.6	60.0	95	1006	61.6	67.1	96	1047	70.0	71.9	96
2250	19.21	931	44.0	37.5	97	973	52.6	48.0	97	1011	60.8	57.2	97	1047	69.0	64.5	97	1085	77.7	69.6	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)
875	7.47																				
1000	8.54																				
1125	9.61	847	33.7	84.4	86																
1250	10.67	868	37.4	85.1	88	919	43.6	84.8	89												
1375	11.74	896	41.8	84.6	89	943	48.2	85.1	90	988	54.7	85.0	91	1036	61.8	84.3	92				
1500	12.81	927	46.8	83.3	90	972	53.5	84.5	91	1014	60.2	85.0	92	1056	67.3	85.1	93	1099	74.7	84.8	93
1625	13.87	960	52.3	81.7	92	1003	59.3	83.3	92	1043	66.2	84.3	93	1083	73.6	84.9	94	1122	81.2	85.1	94
1750	14.94	995	58.4	79.8	93	1035	65.6	81.8	93	1075	73.2	83.2	94	1113	80.7	84.1	95	1150	88.5	84.7	95
1875	16.01	1028	64.8	78.0	94	1070	72.7	80.0	95	1107	80.4	81.7	95	1144	88.4	83.0	96	1180	96.4	83.9	97
2000	17.08	1060	71.7	76.4	95	1104	80.2	78.2	96	1142	88.5	80.1	96	1177	96.7	81.6	97				
2125	18.14	1091	78.8	74.8	96	1135	87.9	76.8	97	1176	97.0	78.3	98								
2250	19.21	1125	86.8	73.1	98	1167	96.3	75.4	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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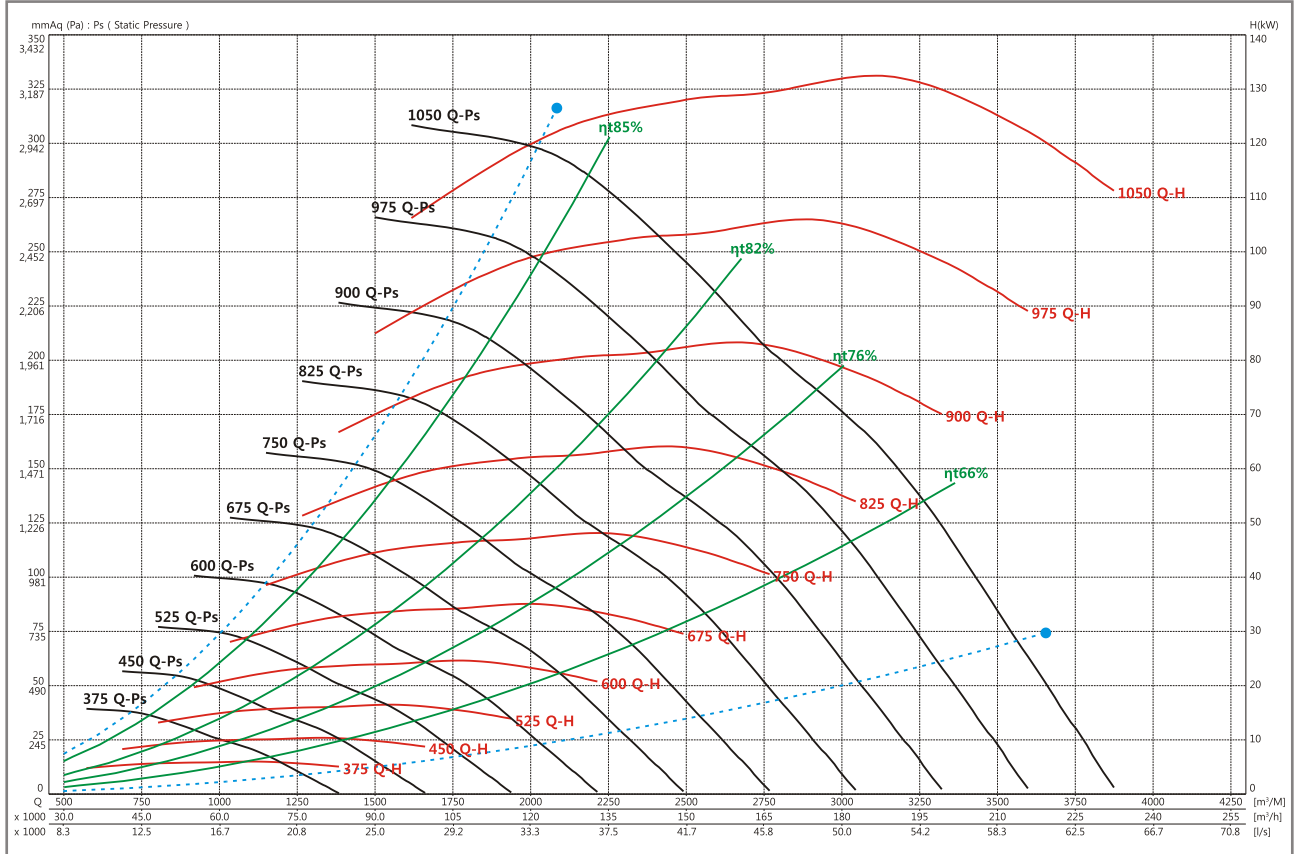
GAF-DS series

AIR FOIL FAN

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**GAF-9DS****FEG 90**

Wheel dia	1372 mm	Tip Speed = 0.071838 * rpm	Outlet Dim'	1800 * 1370	Outlet Area	2.4660 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)
1100	7.43	391	6.76	75.1	72	471	11.5	83.5	74	537	16.5	85.1	77								
1250	8.45	419	8.37	70.8	75	498	13.7	80.7	77	560	19.1	84.6	79	617	24.9	85.0	80				
1400	9.46	452	10.4	65.9	78	526	16.2	77.8	79	585	22.1	82.8	80	639	28.3	84.8	82	690	34.9	85.0	84
1550	10.48	487	12.9	61.1	81	552	19.0	75.2	81	613	25.5	80.4	82	664	32.1	83.6	84	712	39.1	84.9	85
1700	11.49	522	15.6	56.1	83	579	22.1	72.4	83	641	29.4	78.0	84	691	36.5	81.7	86	736	43.7	83.9	87
1850	12.50	559	18.9	52.3	86	611	25.9	69.1	85	667	33.5	75.9	86	719	41.3	79.5	87	763	49.1	82.3	89
2000	13.52	596	22.7	49.0	88	643	30.0	65.4	88	694	38.1	73.7	88	746	46.5	77.5	89	791	54.9	80.5	90
2150	14.53	633	26.9	46.2	89	678	34.8	62.0	89	723	43.1	71.3	90	772	52.0	75.7	91	819	61.2	78.4	91
2300	15.54	670	31.6	43.8	91	713	40.1	58.3	91	755	48.9	68.4	91	799	58.1	73.8	92	845	67.9	76.8	93
2450	16.56	708	37.0	41.9	93	749	46.0	55.2	93	788	55.2	65.6	93	828	64.8	71.8	94	871	74.9	75.3	94
2600	17.57	746	43.0	40.2	94	786	52.7	52.7	94	822	62.2	62.6	95	859	72.2	69.4	95	898	82.6	73.5	96
2750	18.59	784	49.5	38.7	96	823	60.1	50.2	96	857	69.9	59.7	96	891	80.1	66.8	96	927	91.0	71.7	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
		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)
1100	7.43																				
1250	8.45																				
1400	9.46																				
1550	10.48	758	46.4	85.0	87	805	54.2	84.2	88												
1700	11.49	780	51.4	84.9	88	822	59.4	85.1	89	864	67.7	84.7	91								
1850	12.50	804	56.9	84.0	90	844	65.3	84.8	91	883	73.9	85.1	92	922	83.0	84.9	93	962	92.5	84.2	94
2000	13.52	830	63.2	82.6	91	869	71.9	84.0	92	906	80.9	84.8	93	942	90.1	85.1	94	977	99.5	85.0	94
2150	14.53	858	70.1	80.9	92	895	79.3	82.7	93	930	88.3	83.9	94	965	98.0	84.7	95	998	107.7	85.0	95
2300	15.54	887	77.7	79.1	94	922	87.0	81.2	94	956	96.7	82.7	95	990	106.7	83.8	96	1022	116.8	84.5	96
2450	16.56	913	85.3	77.6	95	951	95.8	79.5	96	984	105.9	81.3	96	1016	116.2	82.7	97	1048	126.8	83.6	97
2600	17.57	939	93.6	76.1	96	978	104.7	78.0	97	1013	115.8	79.8	97	1043	126.2	81.3	98				
2750	18.59	966	102.6	74.6	97	1004	114.2	76.6	98	1041	126.2	78.2	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.

2015Jan-R10.0

GAF-DS series

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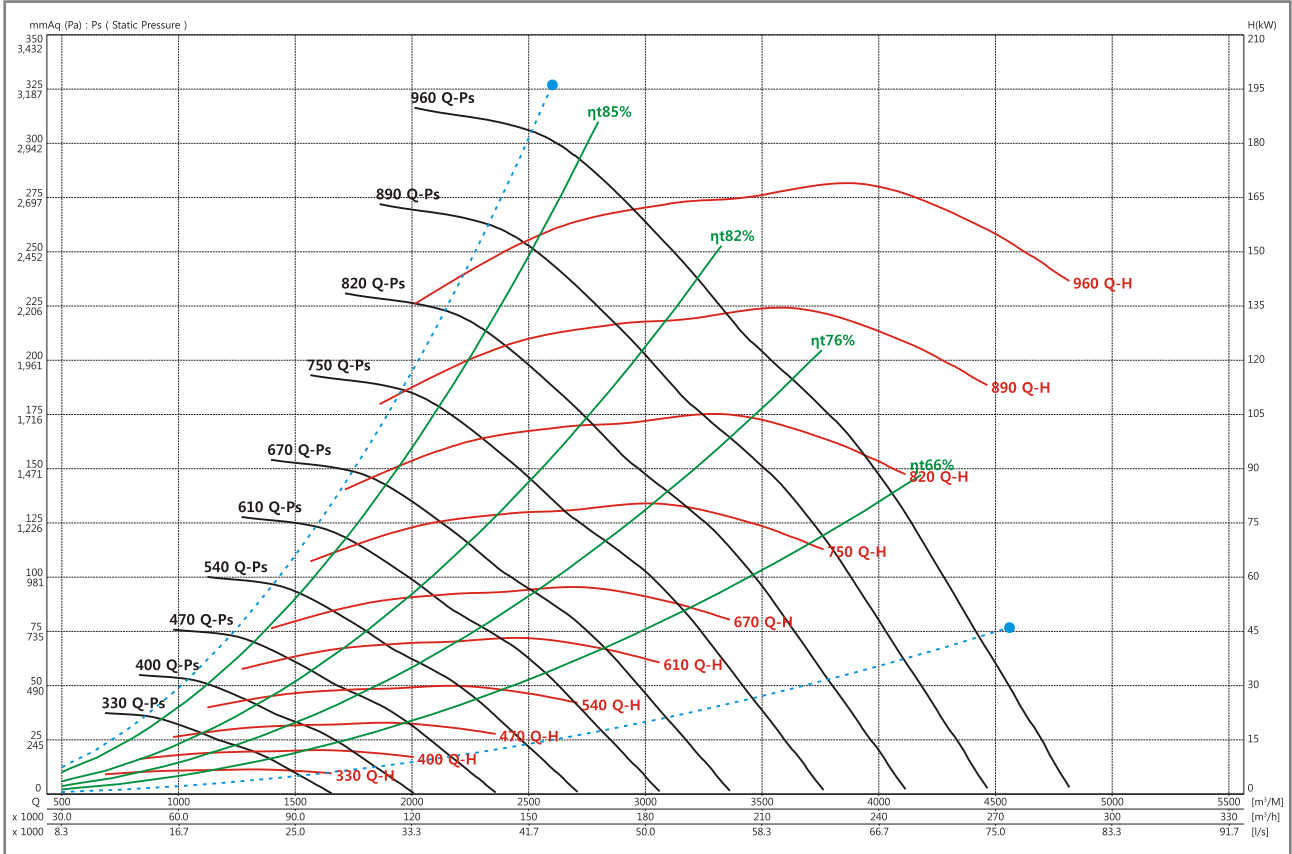


AIR FOIL FAN
GAF-DS series

GAF-10DS

FEG 90

Wheel dia	1520 mm	Tip Speed = 0.079587 * rpm	Outlet Dim'	2000 * 1525	Outlet Area	3.0500 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
		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)
1300	7.10	346	7.79	76.0	71	418	13.3	84.0	74	480	19.4	84.8	76								
1500	8.20	374	9.94	71.9	75	445	16.3	81.3	77	501	22.7	84.8	78	554	29.9	84.8	80				
1700	9.29	405	12.5	66.4	78	472	19.6	78.0	79	526	26.7	83.0	81	574	34.1	84.9	82	621	42.3	85.0	84
1900	10.38	439	15.7	61.0	81	498	23.3	75.3	82	553	31.3	80.4	83	599	39.4	83.6	84	642	47.8	84.9	85
2100	11.48	474	19.5	56.0	84	525	27.5	72.2	84	580	36.4	77.8	85	625	45.1	81.5	86	666	54.1	83.8	87
2300	12.57	510	24.0	51.9	86	556	32.6	68.5	86	606	42.0	75.6	87	654	51.9	79.1	88	692	61.2	82.0	89
2500	13.66	546	29.0	48.2	89	588	38.2	64.5	88	632	48.0	73.1	89	680	58.9	77.1	89	720	69.2	79.9	90
2700	14.75	582	34.8	45.2	91	622	44.7	60.6	90	662	55.2	70.3	91	705	66.3	75.1	91	747	77.8	77.9	92
2900	15.85	619	41.5	43.0	92	657	52.1	56.9	92	693	62.9	67.1	92	732	74.7	73.0	93	773	86.0	76.2	94
3100	16.94	656	48.9	41.0	94	693	60.6	54.0	94	726	71.8	64.0	94	761	83.9	70.5	94	799	97.9	74.4	95
3300	18.03	694	57.5	39.5	96	729	69.9	51.1	96	761	82.0	61.0	96	793	94.5	68.0	96	826	107.5	72.5	97
3500	19.13	732	67.1	38.1	97	765	80.1	48.6	97	796	93.0	58.0	97	825	105.7	65.2	98	856	119.5	70.2	98

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)
1300	7.10																				
1500	8.20																				
1700	9.29																				
1900	10.38	684	56.8	85.0	87	727	66.5	84.2	88												
2100	11.48	705	63.4	84.8	88	743	73.3	85.1	89	781	83.6	84.7	91								
2300	12.57	730	71.2	83.8	90	765	81.3	84.7	91	800	92.0	85.1	92	834	102.9	85.0	93	870	114.8	84.4	94
2500	13.66	756	79.8	82.3	91	790	90.4	83.7	92	823	101.5	84.6	93	855	112.9	85.0	94	886	124.4	85.1	95
2700	14.75	783	89.0	80.4	93	816	100.5	82.3	94	848	112.0	83.6	95	878	123.6	84.4	95	908	135.8	84.9	96
2900	15.85	811	99.4	78.3	94	843	111.1	80.5	95	874	123.6	82.2	96	903	135.6	83.3	97	932	148.3	84.2	97
3100	16.94	836	109.8	76.8	96	871	123.1	78.6	96	901	135.8	80.6	97	929	148.6	82.0	98	957	161.8	83.1	98
3300	18.03	862	121.4	75.3	97	897	135.4	77.2	98	929	149.4	78.8	98	957	162.9	80.5	99				
3500	19.13	888	133.4	73.5	98	922	148.3	75.8	99	955	163.3	77.4	99								

- 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-DS series

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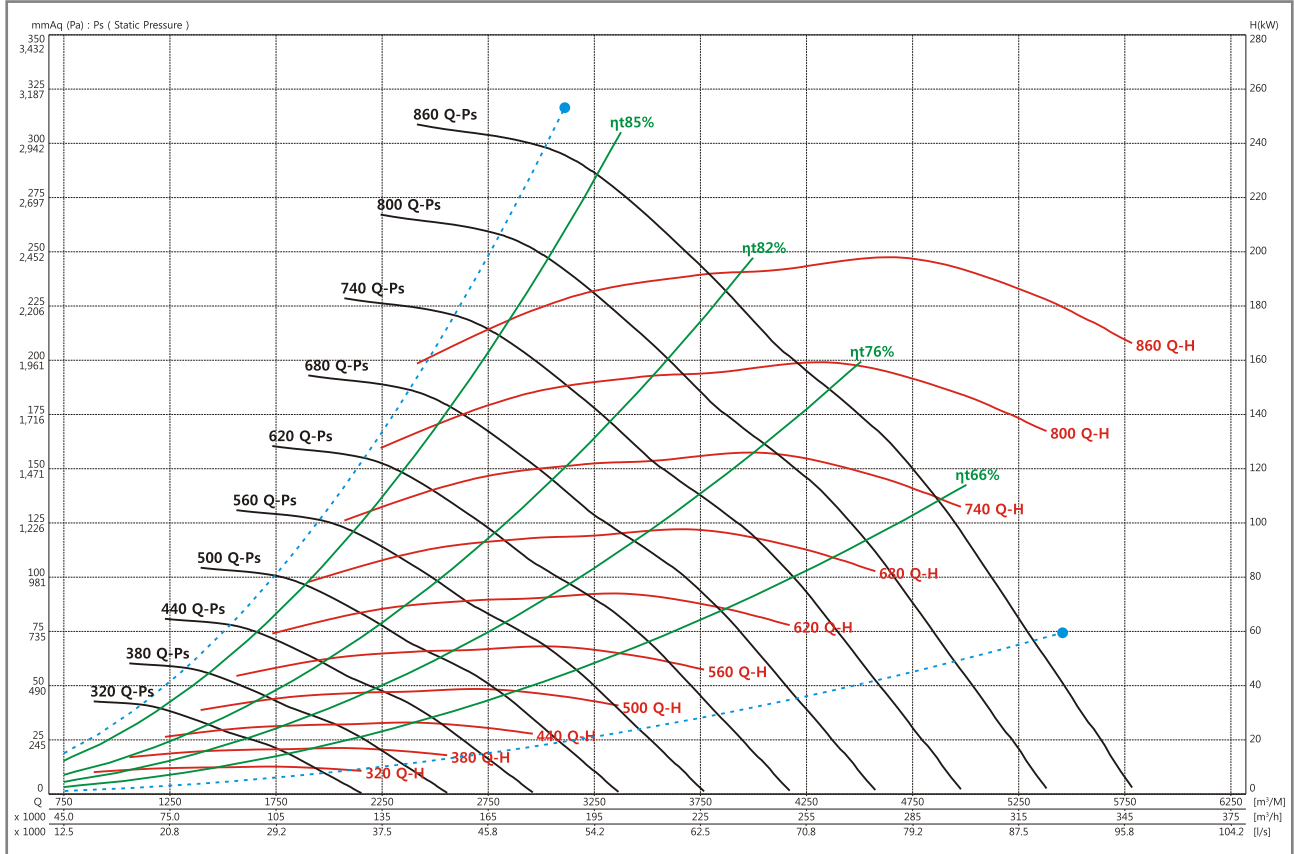
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GAF-11DS

FEG 90

Wheel dia	1676 mm	Tip Speed = 0.087755 * rpm	Outlet Dim'	2200 * 1675	Outlet Area	3.6850 m ²	Class 1	684 rpm	Class 2	912 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)
1500	6.78					372	15.2	84.7	73	430	22.4	84.2	76								
1750	7.91	331	11.2	73.2	74	396	18.6	82.3	76	448	26.3	85.0	78	499	35.0	84.3	80				
2000	9.05	359	14.3	67.8	78	422	22.7	78.7	79	471	31.2	83.6	80	515	40.0	85.1	82	559	49.7	84.7	83
2250	10.18	390	18.0	62.2	81	446	27.2	76.0	81	495	36.5	81.1	82	538	46.3	84.0	84	577	56.3	85.0	85
2500	11.31	423	22.6	57.1	84	470	32.2	72.8	84	521	42.9	78.2	85	562	53.4	82.1	86	599	63.9	84.1	87
2750	12.44	456	28.0	52.4	87	498	38.2	69.0	86	545	49.7	76.0	87	588	61.4	79.6	88	623	72.7	82.4	88
3000	13.57	490	34.3	48.8	89	529	45.4	65.4	88	570	57.4	73.6	89	612	69.8	77.4	89	649	82.5	80.3	90
3250	14.70	524	41.5	45.8	91	560	53.2	61.1	91	596	65.7	70.6	91	636	79.3	75.4	91	675	93.4	78.1	92
3500	15.83	558	49.6	43.2	93	593	62.5	57.5	93	626	75.7	67.5	93	661	89.6	73.2	93	698	104.3	76.4	94
3750	16.96	592	58.6	41.0	94	626	72.8	54.2	94	656	86.3	64.2	94	688	101.1	70.8	95	722	116.5	74.5	95
4000	18.09	627	69.1	39.2	96	659	84.1	51.0	96	688	98.7	60.9	96	717	113.9	68.0	96	748	130.1	72.6	97
4250	19.22	663	81.2	38.1	98	693	97.0	48.6	98	721	112.6	58.0	98	747	127.9	65.1	98	775	144.5	70.2	98

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)
1500	6.78																				
1750	7.91																				
2000	9.05																				
2250	10.18	616	67.2	84.9	86																
2500	11.31	635	75.3	85.0	88	670	87.2	85.0	89	706	99.9	84.4	90								
2750	12.44	657	84.5	84.0	90	690	97.0	84.9	91	722	109.8	85.1	92	754	123.3	84.8	93				
3000	13.57	681	95.0	82.5	91	713	108.2	83.9	92	743	121.5	84.7	93	772	135.1	85.1	94	801	149.4	85.0	95
3250	14.70	707	106.7	80.6	93	737	120.5	82.5	94	766	134.4	83.7	94	794	148.8	84.5	95	821	163.4	85.0	96
3500	15.83	733	119.5	78.5	94	762	133.7	80.7	95	790	148.7	82.3	96	817	163.5	83.5	96	843	178.7	84.3	97
3750	16.96	757	132.7	76.9	96	788	148.5	78.7	96	815	163.8	80.7	97	841	179.6	82.1	98				
4000	18.09	780	146.5	75.3	97	812	163.7	77.3	98	842	181.2	78.9	98								
4250	19.22	805	162.0	73.5	99	836	180.1	75.8	99												

- 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-DS series

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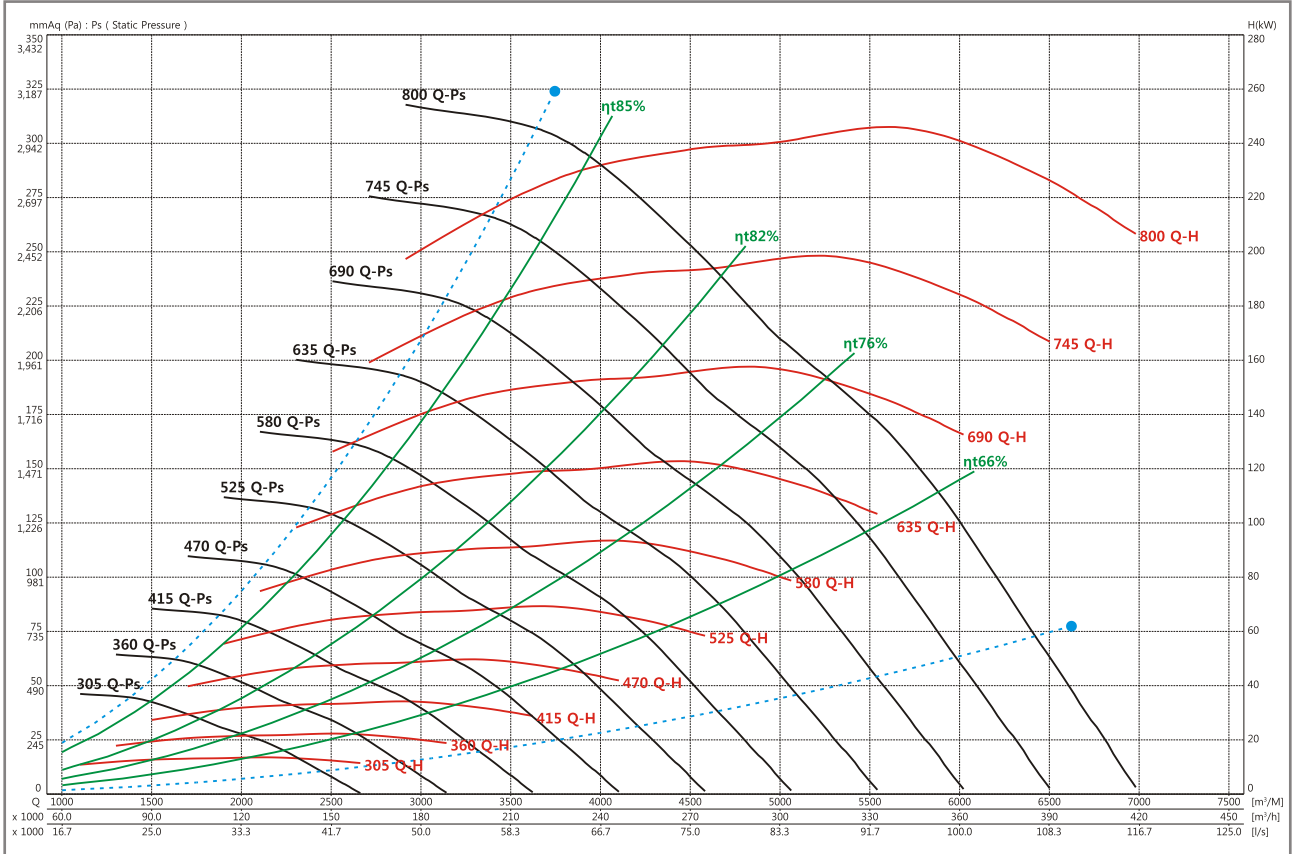


AIR FOIL FAN
GAF-DS series

GAF-12DS

FEG 90

Wheel dia	1828 mm	Tip Speed = 0.095714 * rpm	Outlet Dim'	2400 * 1830	Outlet Area	4.3920 m ²	Class 1	627 rpm	Class 2	836 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)
2050	7.78					360	21.6	82.5	75	409	30.9	85.1	78								
2300	8.73	322	15.9	69.3	77	380	25.5	79.7	78	426	35.4	84.1	80	468	46.0	85.1	82				
2550	9.68	345	19.4	64.5	80	399	29.9	77.0	80	444	40.6	82.2	82	484	51.8	84.6	83	521	63.4	85.1	84
2800	10.63	370	23.6	59.9	83	418	34.8	74.7	83	464	46.5	79.9	84	502	58.4	83.3	85	537	70.6	84.8	86
3050	11.57	395	28.3	55.5	85	437	39.9	71.9	85	484	53.2	77.8	86	521	65.7	81.5	86	555	78.7	83.7	87
3300	12.52	421	33.9	52.1	87	460	46.4	68.9	87	502	60.0	75.8	87	541	73.9	79.3	88	574	87.8	82.2	89
3550	13.47	447	40.2	48.9	89	483	53.3	65.6	89	521	67.6	73.7	89	560	82.5	77.5	89	594	97.6	80.5	90
3800	14.42	473	47.2	46.1	91	507	61.1	62.1	90	541	75.8	71.4	90	578	91.6	75.8	91	614	108.3	78.5	92
4050	15.37	499	54.9	43.9	93	532	70.0	58.8	92	563	85.2	68.7	92	597	101.7	74.0	92	632	119.1	77.0	93
4300	16.32	526	63.8	42.3	94	557	79.6	55.8	94	586	95.4	65.9	94	617	112.6	72.2	94	650	130.6	75.6	94
4550	17.27	553	73.7	40.7	95	583	90.5	53.3	95	610	106.9	63.2	95	639	124.9	70.0	95	669	143.3	73.9	96
4800	18.21	580	84.4	39.3	97	609	102.4	50.9	97	635	119.6	60.5	97	661	137.6	67.5	97	689	156.9	72.3	97

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)
2050	7.78																				
2300	8.73																				
2550	9.68	560	76.5	84.3	86																
2800	10.63	571	83.6	85.1	87	606	97.7	84.5	88												
3050	11.57	587	92.2	84.8	88	619	106.7	85.1	90	650	121.5	84.8	91								
3300	12.52	605	101.9	83.9	90	635	116.8	84.8	91	664	132.1	85.1	92	692	147.6	85.0	93	723	165.2	84.2	94
3550	13.47	623	112.2	82.6	91	652	127.6	84.0	92	680	143.6	84.8	93	707	160.0	85.1	94	734	177.1	85.0	95
3800	14.42	643	123.9	81.1	92	670	139.6	82.8	93	697	156.0	84.0	94	723	173.0	84.7	95	748	190.2	85.0	96
4050	15.37	663	136.2	79.3	94	690	153.1	81.5	94	715	169.7	82.9	95	741	187.7	83.9	96	765	205.4	84.6	97
4300	16.32	682	149.1	77.8	95	710	167.2	79.9	96	735	185.1	81.6	96	759	203.2	82.9	97	783	221.8	83.8	98
4550	17.27	700	162.5	76.4	96	730	182.5	78.3	97	755	201.1	80.2	97	778	219.7	81.7	98	800	238.2	82.8	99
4800	18.21	719	177.3	75.1	97	748	197.7	77.1	98	775	218.3	78.6	98	798	237.6	80.3	99				

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- 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-DS series

AIR FOIL FAN

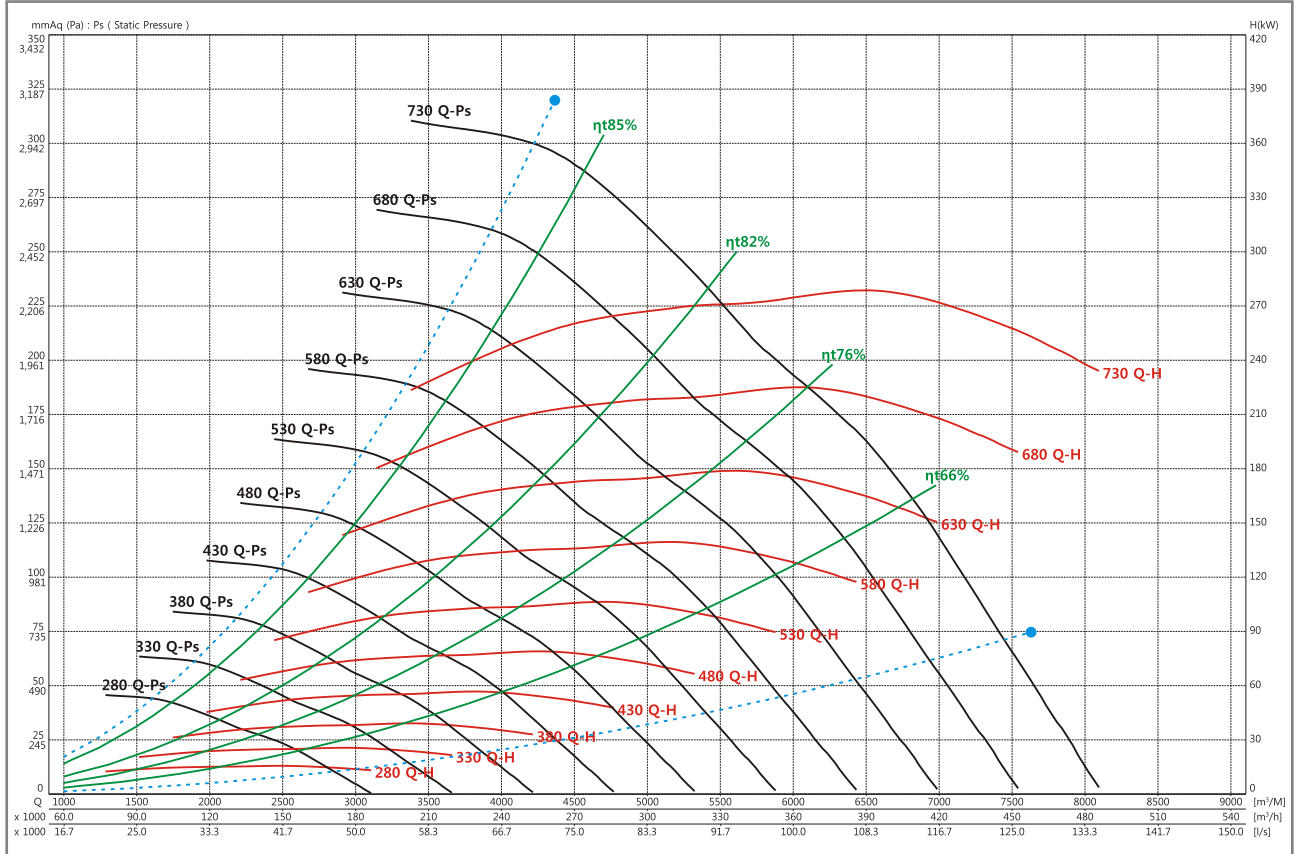
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GAF-13DS

FEG 90

Wheel dia	1980 mm	Tip Speed = 0.103673 * rpm	Outlet Dim'	2600 * 1980	Outlet Area	5.1480 m ²	Class 1	579 rpm	Class 2	772 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)
2200	7.12					321	22.6	84.1	74	368	32.8	84.8	76								
2500	8.09	284	16.3	72.5	75	338	26.7	81.6	76	382	37.7	84.9	78	424	49.9	84.7	81				
2800	9.07	305	20.1	67.9	78	358	31.9	78.7	79	399	43.6	83.5	80	437	56.2	85.0	82	474	69.8	84.7	84
3100	10.04	327	24.5	62.8	81	375	37.2	76.3	81	417	50.2	81.4	83	453	63.5	84.2	84	487	77.7	85.1	85
3400	11.01	351	29.9	58.3	84	393	43.2	73.7	84	436	57.7	78.9	85	470	71.7	82.6	86	502	86.3	84.4	87
3700	11.98	375	36.0	54.3	86	412	49.9	70.7	86	454	65.7	76.9	87	489	81.1	80.6	87	519	96.4	83.1	88
4000	12.95	399	42.8	50.5	88	434	58.0	67.5	88	471	74.2	74.9	88	508	91.4	78.4	89	537	107.4	81.4	90
4300	13.92	424	50.9	47.7	90	456	66.6	64.0	90	489	83.5	72.7	90	525	101.8	76.7	90	557	120.2	79.6	91
4600	14.89	449	60.0	45.4	92	479	76.5	60.4	92	509	94.1	70.0	92	542	113.1	75.0	92	575	133	77.9	93
4900	15.86	473	69.4	42.9	94	503	87.8	57.3	93	531	106.2	67.4	93	560	125.4	73.1	93	592	146.5	76.3	94
5200	16.84	499	81.0	41.5	95	527	100.1	54.4	95	553	119.1	64.6	95	580	139.4	71.0	95	609	160.7	74.7	95
5500	17.81	524	93.0	39.8	97	551	113.4	51.7	96	576	133.6	61.7	96	601	154.6	68.6	96	628	177	73.1	97

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)
2200	7.12																				
2500	8.09																				
2800	9.07																				
3100	10.04	520	92.6	84.8	87																
3400	11.01	533	102.0	85.1	88	563	118.2	84.9	89												
3700	11.98	549	112.9	84.5	89	577	129.7	85.1	90	605	147.4	85.0	91	634	166.5	84.4	92				
4000	12.95	566	124.9	83.4	90	593	142.4	84.5	91	619	160.5	85.0	92	645	179.6	85.1	93	671	199.3	84.7	94
4300	13.92	583	137.4	81.9	92	610	156.4	83.5	93	635	175.1	84.5	93	659	194.3	85.0	94	683	214.4	85.1	95
4600	14.89	602	151.7	80.2	93	627	171.0	82.1	94	652	191.1	83.5	95	675	210.7	84.4	95	698	231.6	84.9	96
4900	15.86	621	167.3	78.4	94	646	187.5	80.6	95	669	207.8	82.2	96	692	228.8	83.4	96	714	249.9	84.2	97
5200	16.84	639	183.5	77.1	96	665	205.2	78.9	96	688	226.6	80.9	97	710	248.6	82.3	98				
5500	17.81	656	200.1	75.8	97	683	223.6	77.7	98	707	246.6	79.3	98	728	268.7	80.9	99				

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- 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-DS series

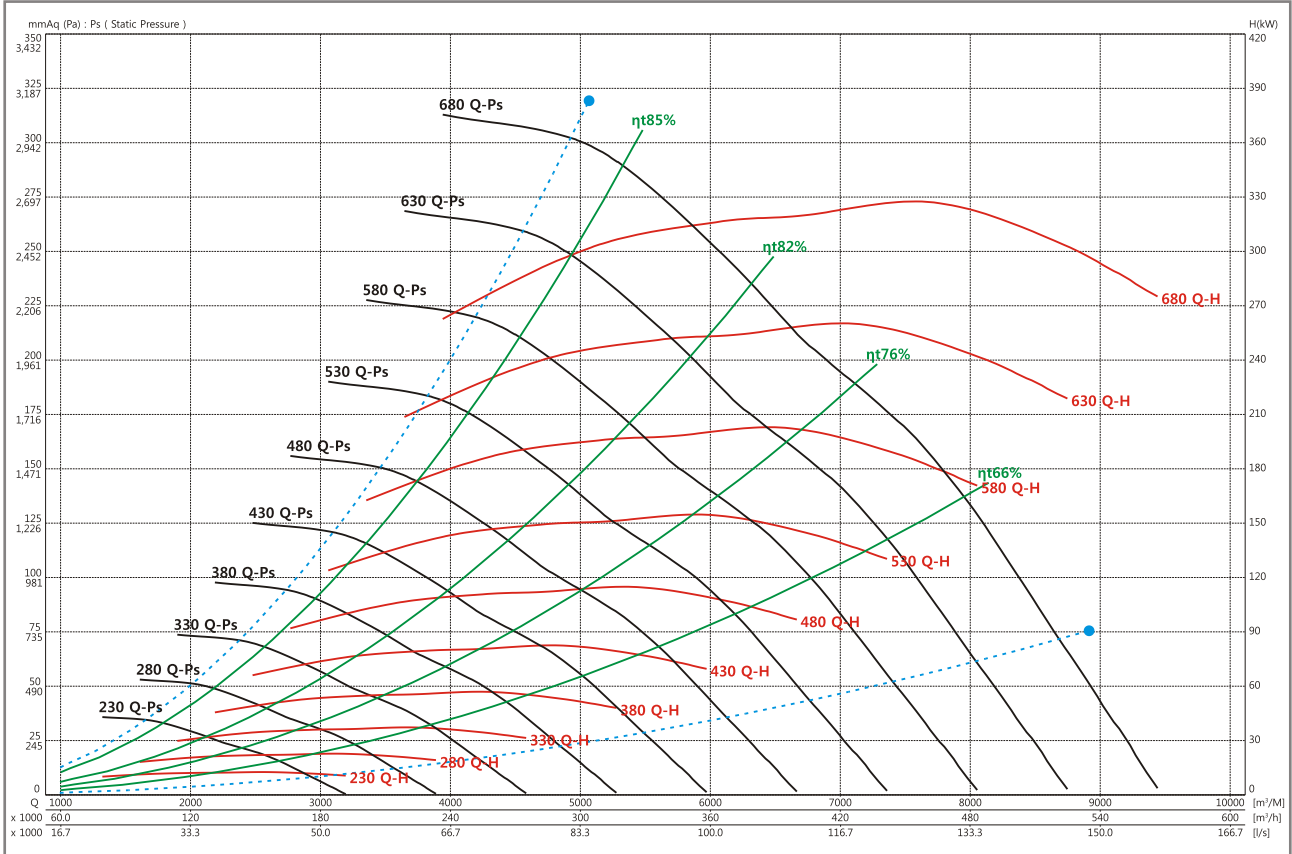
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GAF-14DS

FEG 90

Wheel dia	2138 mm	Tip Speed = 0.111945 * rpm	Outlet Dim'	2800 * 2135	Outlet Area	5.9780 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
2400	6.69	238	13.9	77.8	71	289	24.2	84.8	73												
2800	7.81	257	17.7	73.6	75	307	29.6	82.6	76	349	42.0	85.1	78								
3200	8.92	278	22.5	68.6	78	327	35.9	79.2	78	366	49.4	83.8	80	401	64.0	85.1	82	437	79.9	84.4	84
3600	10.04	302	28.3	63.1	82	346	43.0	76.3	81	385	58.1	81.5	82	418	73.6	84.2	84	450	90.0	85.1	85
4000	11.15	327	35.5	57.8	85	365	51.0	73.4	84	405	68.1	78.6	85	437	84.7	82.4	86	466	102.0	84.3	87
4400	12.27	352	43.7	53.2	87	386	60.4	69.9	87	423	78.7	76.4	87	457	97.3	80.1	88	485	115.7	82.7	89
4800	13.38	378	53.5	49.3	90	409	71.2	66.0	89	442	90.6	74.0	89	476	111.0	77.8	90	504	131.0	80.8	90
5200	14.50	404	64.7	46.2	92	433	83.7	62.1	91	462	103.8	71.4	91	494	125.6	75.9	92	524	148.1	78.5	92
5600	15.61	431	77.4	43.7	94	458	98.0	58.3	93	485	119.1	68.3	93	513	141.8	73.7	93	543	165.7	76.8	94
6000	16.73	457	91.8	41.6	95	484	113.9	54.9	95	508	136.1	65.1	95	533	159.6	71.4	95	561	184.6	75.0	95
6400	17.84	484	108.0	39.9	97	509	131.8	51.9	97	532	155.2	61.9	97	556	179.8	68.8	97	580	205.4	73.1	97
6800	18.96	511	126.2	38.3	99	535	151.7	49.3	98	557	176.5	58.8	98	579	201.8	66.0	98	601	228.5	70.9	98

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
2400	6.69																				
2800	7.81																				
3200	8.92																				
3600	10.04	481	107.6	84.7	87																
4000	11.15	495	120.2	85.0	88	522	139.3	85.0	89	550	159.3	84.2	90								
4400	12.27	512	134.8	84.3	90	537	154.7	85.0	91	563	175.3	85.1	91	588	197.2	84.7	92				
4800	13.38	530	151.2	82.8	91	555	172.0	84.2	92	578	193.4	84.9	93	602	215.7	85.1	94	625	238.8	85.0	94
5200	14.50	549	169.3	81.1	93	573	191.3	82.8	93	596	213.7	84.0	94	618	236.8	84.7	95	639	260.6	85.0	96
5600	15.61	570	189.5	79.0	94	592	212.3	81.2	95	614	235.9	82.7	95	636	260.1	83.7	96	656	284.6	84.5	97
6000	16.73	588	210.3	77.4	96	612	235.7	79.3	96	633	260.1	81.1	97	654	285.4	82.5	97	674	311.1	83.5	98
6400	17.84	606	232.4	75.8	97	631	259.7	77.7	98	654	286.8	79.4	98	674	313.0	81.0	99				
6800	18.96	625	256.5	74.0	99	649	285.2	76.2	99	673	314.2	77.9	99								

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2015Jan-R10.0

송풍기 견적 및 발주 사양서

주 문 주:	납품장소:	부	상대플랜지	: 유	무		
주 문 일: 20 . . .	용 도:		☆댐 퍼	: 유	토출	흡입	
수 량:	설치장소:		☆공동배드	: 유	무		
납 기: 20 . . .	운전조건:		☆기초보울트	: 유	무		
종 류:	온 도: MAX at °C	속	☆캔바스	: 유	토출	흡입	
모 델: G	습 도: %		☆방 진	: 유	무		
품 량: m³/min at °C	취급기체:		☆				
풍 압: mmAq at °C	기체성질:		구	입회검사	: 유	무	
회 전 수: r.p.m	비 중 량: kg/m³	비	시험성적서	: 유	무		
토 출 구: mm X mm	재 질		서	바란싱성적서	: 유	무	
흡 입 구: Ø mm				류	외형치수검사서:	유	무
흡입방식: 편흡입 양흡입							
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 ←

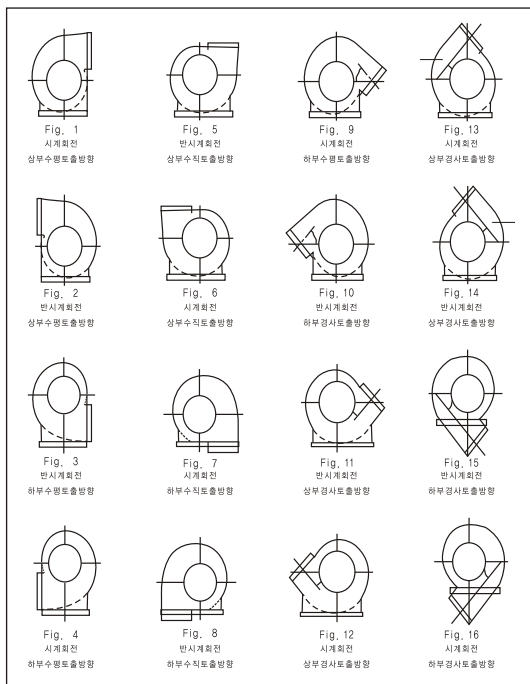
송풍기의 크기 ←

→ 전동기의 위치

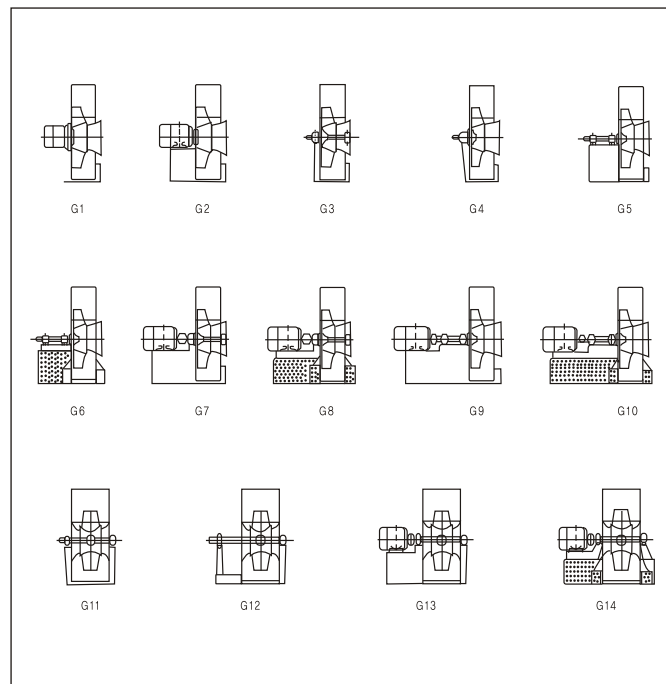
→ 송풍기의 구동방법

송풍기의 구동방법

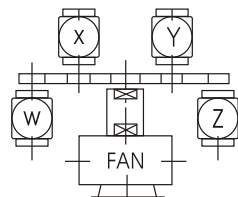
■ 송풍기의 회전방향 (흡입구측에서 보았을때)



■ 송풍기의 구동방법

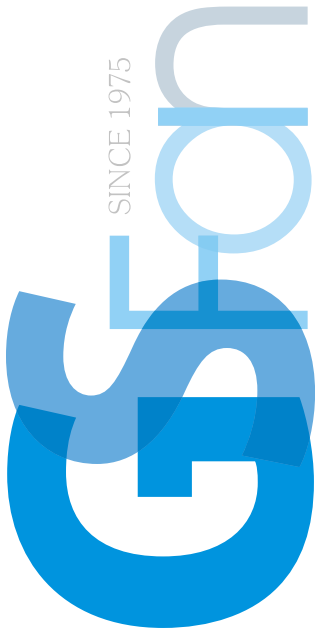


전동기의 위치



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회 사 명 : 작 성 일:
소 속 : 담 당:
전화번호 :



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