

PLENUM FAN

GAP-S series

GSF

SINCE 1975

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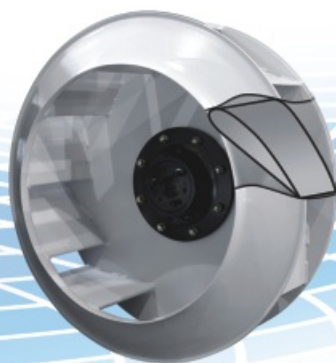
PLENUM FAN GBP-S & GAP-S series

PLENUM FAN은 하우징이 없어 소형의 컴팩트한 사이즈를 자랑합니다. 또한 모터 직결식으로 벨트교체 및 유지보수 비용이 저렴하고 벨트손실에 대한 전력비 절감이 가능합니다. 일반 건축물, 빌딩등의 공조시스템에 적합합니다. Backward 타입의 블레이드와 Airfoil 타입의 플레넘 팬의 제작 공급이 가능합니다.

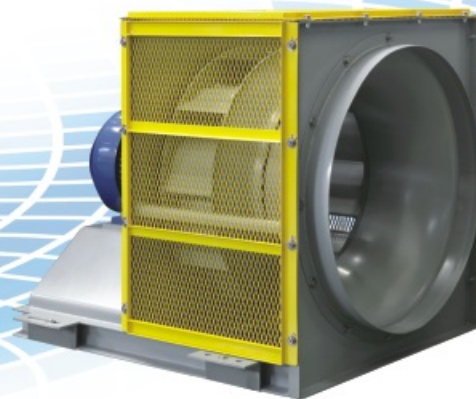
This blower is a small, compact size do not have the housing. In addition, direct expression in motor belt replacement and maintenance cost is low and it is possible to reduce power ratio for the belt losses. General buildings, is suitable for the air conditioning system, such as a building. Can be manufactured by supplying the plenum fan Backward type and Airfoil type.



**GBP MODEL IMPELLER
(BACKWARD CURVE)**



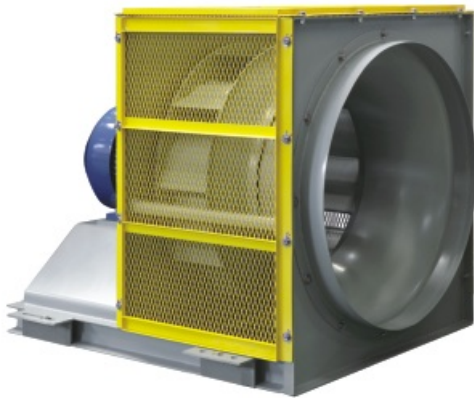
**GAP MODEL IMPELLER
(AIR FOIL)**



GBP-S & GAP-S series

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PLENUM FAN



All models have the AMCA Certified in preparation.
Preparing a high-efficiency equipment certification
in order to have confidence in the energy saving.



GAP-4.75S & GAP- 2.5S for the entire model to have
obtained the AMCA Seal certified performance and sound.

GAP-2.5S & GAP-4.75S

GBP all models are preparing for the AMCA certified
performance and sound.

1. Wheels

The impeller from GBP-2S ~ GBP-4 by a backward type is used.
GAP-4.25S ~ GAP-8S Airfoil type of impeller is to be used.

2. HUB

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

3. 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.

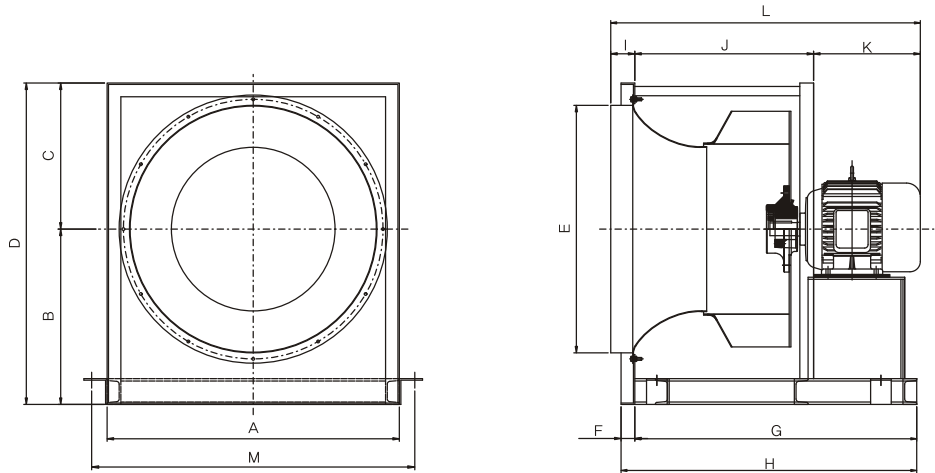
4. Protection guards

Options screen guards are installed to prevent contact with the rotor of the human body.

GBP-S & GAP-S series

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표준외형도 Standard shape of PLENUM FAN(GBP-S & GAP-S SERIES)



GBP MODEL : Backward Curve Type Impeller (후곡형)

	MODEL NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	MOTOR		FAN WEIGHT kg
GBP	#2	400	240	200	440	310	30	500	530	70	260	230	560	520	3HP-2P	0.5HP-4P	83
	#2,25	450	270	225	495	360	30	560	590	70	280	268	618	570	5HP-2P	1HP-4P	95
	#2,5	500	300	250	550	380	30	620	650	70	320	300	690	620	7.5HP-2P	1HP-4P	104
	#2,75	550	330	275	605	440	30	630	660	70	320	330	720	670	10HP-2P	2HP-4P	120
	#3	600	360	300	660	480	30	770	800	70	350	460	880	720	15HP-2P	2HP-4P	187
	#3,25	650	390	325	715	520	30	640	670	70	380	270	720	770	5HP-4P	2HP-6P	125
	#3,5	700	420	350	770	560	30	730	760	70	400	325	795	820	7.5HP-4P	2HP-6P	147
	#3,75	720	450	360	810	600	30	750	780	70	390	405	865	840	10HP-4P	3HP-6P	165
	#4	800	480	400	880	640	40	810	850	70	470	360	900	920	10HP-4P	3HP-6P	186

※상기 FAN 중량은 모터가 제외된 중량입니다.

※Motor weight was not included in the weight of the fan.

GAP MODEL : Air Foil Type Impeller (익형)

	MODEL NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	MOTOR		FAN WEIGHT kg
GAP	#4,25	820	510	410	920	680	40	920	960	70	490	430	990	940	15HP-4P	5HP-6P	235
	#4,5	850	540	425	965	720	40	960	1000	70	520	470	1060	970	20HP-4P	5HP-6P	287
	#4,75	900	570	450	1020	760	40	1030	1070	70	555	460	1085	1020	20HP-4P	7.5HP-6P	312
	#5	950	600	475	1075	800	40	1040	1080	70	575	500	1145	1070	25HP-4P	7.5HP-6P	343
	#5,25	1000	630	500	1130	835	40	1100	1140	70	600	520	1190	1120	30HP-4P	10HP-6P	370
	#5,5	1050	660	525	1185	870	40	1180	1220	100	650	525	1275	1170	40HP-4P	15HP-6P	396
	#5,75	1100	690	550	1240	910	40	1110	1150	100	670	480	1250	1220	50HP-4P	20HP-6P	420
	#6	1150	720	575	1295	950	40	1210	1250	100	700	525	1325	1286	60HP-4P	25HP-6P	451
	#6,5	1200	750	600	1350	1025	40	1260	1300	100	770	495	1365	1336	100HP-4P	30HP-6P	540
	#7	1300	780	650	1430	1120	40	1380	1420	100	800	580	1480	1436	120HP-4P	40HP-6P	629
	#8	1600	810	800	1610	1280	-	-	1500	150	1000	485	1635	1736	75HP-6P	40HP-8P	1331

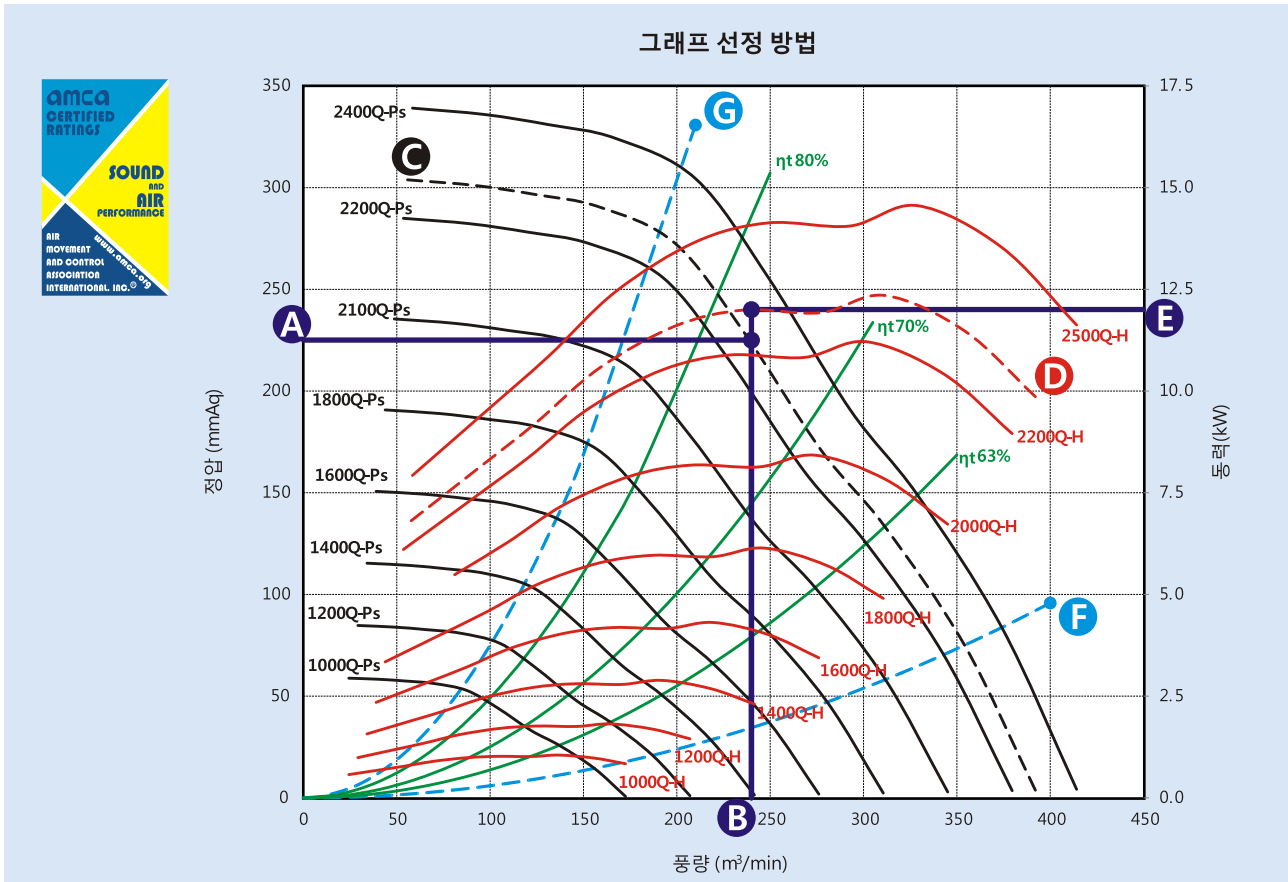
※상기 FAN 중량은 모터가 제외된 중량입니다.

※Motor weight was not included in the weight of the fan.

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

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

팬 선정 방법 예 Fan Selection Example



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)와 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.

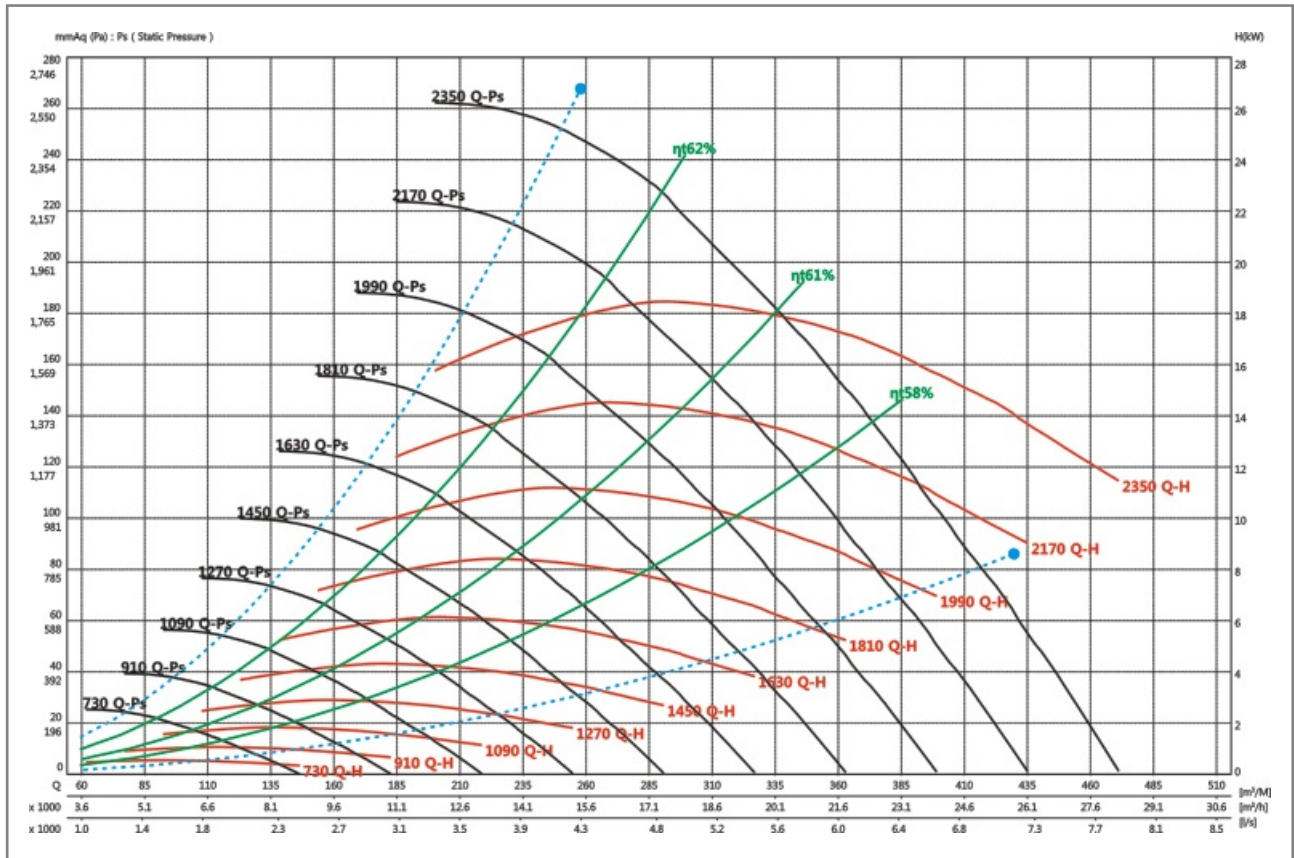
GAP-S series

PLENUM FAN
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GAP-4.25S

FEG 67

Wheel dia	648 mm	Tip Speed = 0.03393 * rpm	Outlet Dim'	157 * 2036	Outlet Area	0.3197 m ²	Class 1	1768 rpm	Class 2	2358 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
110	5.74	776	0.64	61.0	65	959	1.23	61.1	71												
135	7.04	867	0.86	58.9	70	1031	1.54	61.3	73	1174	2.26	61.1	76								
160	8.34	970	1.13	55.7	74	1115	1.90	60.8	75	1245	2.73	61.4	77	1364	3.57	61.3	80	1486	4.48	60.0	82
185	9.65	1076	1.47	52.5	79	1206	2.32	59.2	78	1327	3.24	61.1	79	1438	4.20	61.4	81	1539	5.16	61.5	83
210	10.95	1183	1.87	49.6	82	1302	2.81	57.2	81	1412	3.80	60.3	81	1520	4.88	61.1	83	1619	5.99	61.3	84
235	12.25	1294	2.36	47.1	85	1409	3.43	54.9	84	1507	4.50	58.9	83	1606	5.64	60.6	84	1699	6.83	61.1	85
260	13.56	1407	2.95	44.9	87	1512	4.09	52.7	87	1607	5.27	57.1	86	1696	6.49	59.4	86	1784	7.76	60.7	87
285	14.86	1521	3.62	42.8	89	1620	4.89	50.7	89	1710	6.17	55.3	89	1795	7.48	58.0	88	1877	8.83	59.6	89
310	16.16	1637	4.42	41.0	91	1728	5.77	48.8	91	1814	7.14	53.4	91	1894	8.54	56.5	90	1972	10.0	58.4	90
335	17.47	1754	5.34	39.4	92	1838	6.78	47.1	93	1924	8.30	51.5	93	2000	9.78	54.8	92	2070	11.3	57.2	92
360	18.77	1875	6.42	37.7	94	1954	7.92	45.1	94	2032	9.55	50.0	94	2104	11.1	53.2	94	2175	12.8	55.7	94
385	20.07	1991	7.60	36.4	95	2068	9.19	43.5	95	2139	10.9	48.5	96	2211	12.6	51.7	96	2278	14.3	54.3	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	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)
110	5.74																				
135	7.04																				
160	8.34																				
185	9.65	1647	6.21	60.7	84																
210	10.95	1706	7.04	61.6	85	1801	8.22	61.3	87	1894	9.39	60.4	88								
235	12.25	1786	8.04	61.3	87	1869	9.26	61.4	88	1950	10.5	61.5	89	2034	11.8	61.1	90	2117	13.1	60.4	90
260	13.56	1868	9.06	61.1	88	1951	10.5	61.2	89	2025	11.8	61.4	90	2099	13.1	61.6	90	2173	14.5	61.5	91
285	14.86	1954	10.2	60.7	89	2033	11.7	61.1	90	2107	13.1	61.2	91	2177	14.6	61.3	91	2247	16.1	61.4	92
310	16.16	2045	11.5	59.8	91	2117	12.9	60.6	91	2190	14.5	61.0	92	2259	16.1	61.2	92	2327	17.8	61.2	93
335	17.47	2139	12.8	58.7	92	2208	14.4	59.8	92	2276	16.1	60.6	93	2343	17.7	60.9	93				
360	18.77	2240	14.4	57.5	94	2303	16.1	58.8	94												
385	20.07	2340	16.0	56.2	96																

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

2015.Jan-R10.0

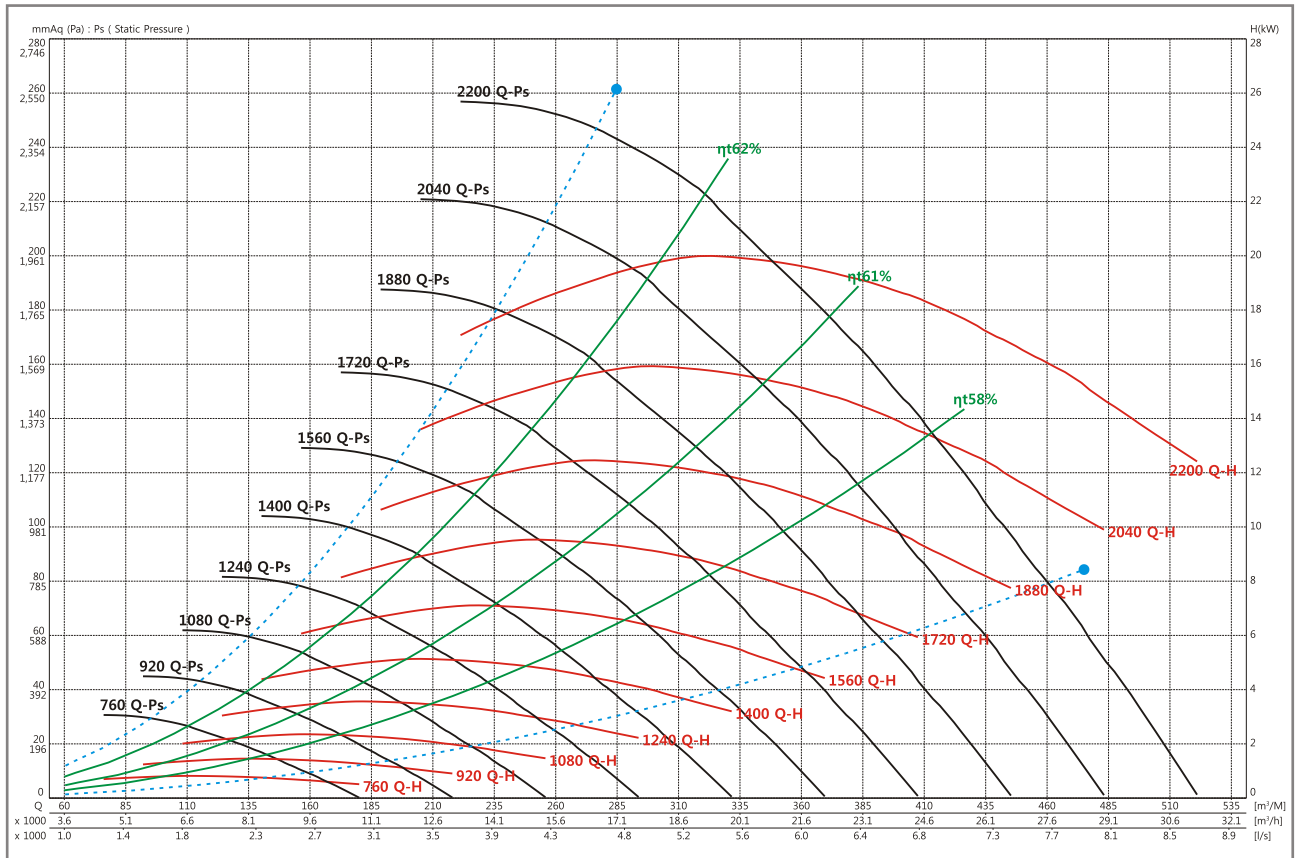
GAP-S series

PLENUM FAN
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GAP-4.5S

FEG 67

Wheel dia	685 mm	Tip Speed = 0.03587 * rpm	Outlet Dim'	166 * 2152	Outlet Area	0.3572 m ²	Class 1	1673 rpm	Class 2	2230 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
135	6.30	771	0.82	60.3	67	930	1.51	61.6	72	1078	2.25	59.8	75								
160	7.46	853	1.06	57.8	72	999	1.84	61.2	74	1128	2.68	61.5	77	1258	3.59	60.0	79				
185	8.63	940	1.34	54.9	76	1072	2.21	60.6	76	1194	3.17	61.3	78	1303	4.13	61.5	80	1416	5.17	60.4	82
210	9.80	1029	1.68	52.1	79	1150	2.65	59.1	78	1264	3.69	61.1	80	1370	4.79	61.3	81	1465	5.88	61.6	83
235	10.96	1121	2.10	49.6	83	1234	3.16	57.2	81	1337	4.26	60.3	81	1439	5.47	61.1	83	1531	6.69	61.3	84
260	12.13	1213	2.58	47.5	85	1321	3.74	55.1	84	1417	4.94	59.0	83	1511	6.21	60.6	84	1601	7.55	61.2	86
285	13.30	1310	3.15	45.1	87	1411	4.42	53.2	86	1502	5.72	57.5	86	1589	7.07	59.6	86	1671	8.45	60.8	87
310	14.46	1407	3.80	43.2	89	1502	5.19	51.3	89	1588	6.57	55.9	88	1669	8.01	58.4	88	1746	9.46	60.1	88
335	15.63	1503	4.55	41.7	91	1591	6.02	49.6	90	1678	7.54	54.1	90	1753	9.05	57.2	90	1827	10.6	59.0	90
360	16.80	1604	5.42	40.0	92	1684	6.98	48.0	92	1768	8.61	52.5	92	1841	10.2	55.7	92	1910	11.9	57.8	92
385	17.96	1702	6.41	38.8	94	1779	8.03	46.3	94	1859	9.78	50.9	94	1929	11.5	54.3	94	1996	13.2	56.6	93
410	19.13	1801	7.49	37.3	95	1877	9.25	44.9	95	1947	11.0	49.6	95	2018	12.9	52.9	95	2083	14.7	55.3	95

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
135	6.30																				
160	7.46																				
185	8.63																				
210	9.80	1564	7.05	60.9	85	1660	8.23	59.9	86												
235	10.96	1616	7.90	61.6	86	1704	9.18	61.3	87	1793	10.5	60.5	88								
260	12.13	1683	8.88	61.3	87	1761	10.2	61.5	88	1839	11.6	61.5	89	1919	13.0	61.0	90	1999	14.6	60.3	91
285	13.30	1753	9.92	61.2	88	1829	11.4	61.3	89	1903	12.9	61.4	90	1971	14.4	61.6	91	2044	15.9	61.4	91
310	14.46	1824	11.0	60.9	89	1899	12.6	61.2	90	1971	14.2	61.2	91	2037	15.8	61.4	91	2103	17.4	61.5	92
335	15.63	1900	12.2	60.2	90	1970	13.9	60.9	91	2040	15.6	61.1	92	2107	17.4	61.2	92	2170	19.1	61.3	93
360	16.80	1979	13.6	59.2	92	2044	15.3	60.3	92	2110	17.0	60.8	92	2175	18.9	61.1	93				
385	17.96	2060	15.0	58.2	93	2124	16.8	59.3	93	2185	18.6	60.3	94								
410	19.13	2143	16.6	57.2	95																

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

2015.Jan-R10.0

GAP-S series

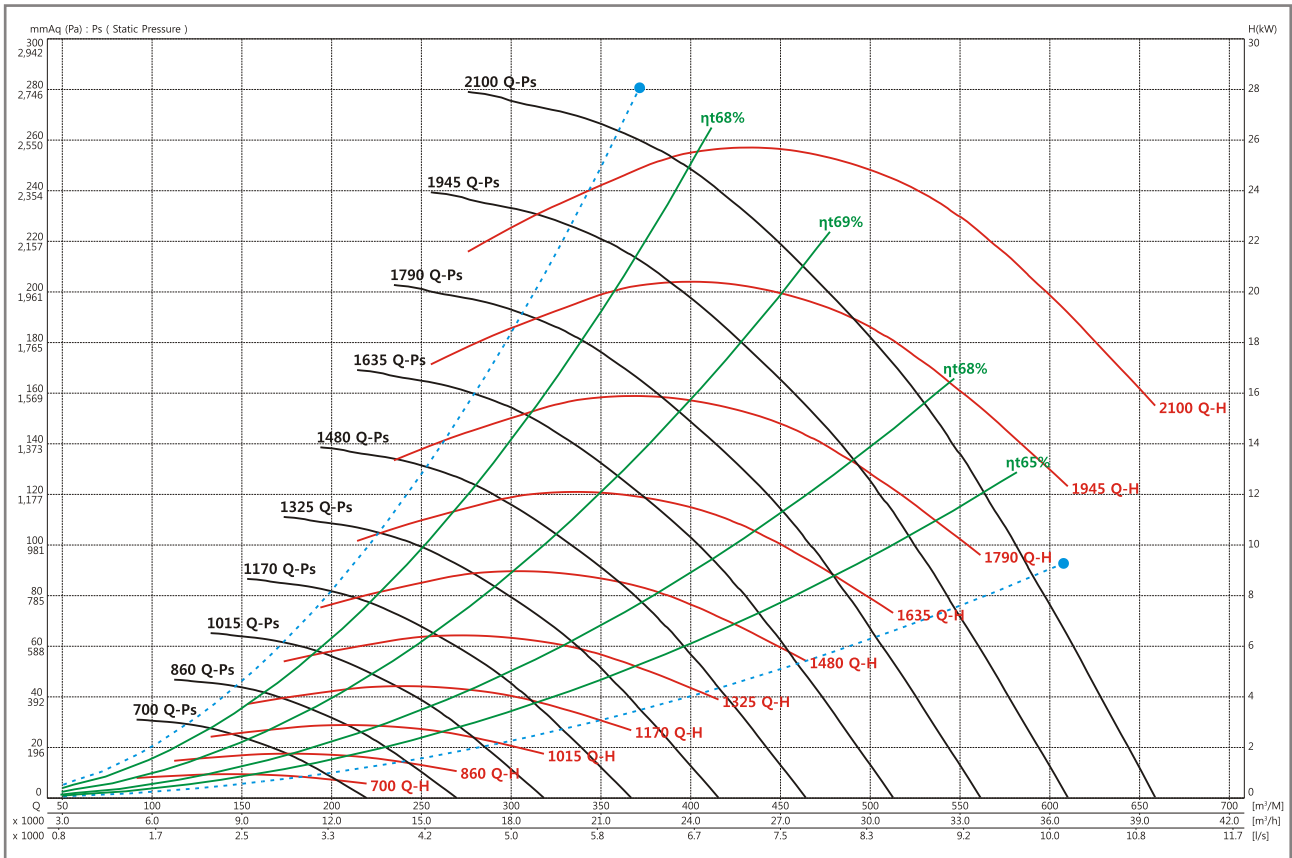
PLENUM FAN
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GAP-4.75S

FEG 71

Wheel dia	724 mm	Tip Speed = 0.03791 * rpm	Outlet Dim	176 * 2275	Outlet Area	0.4004 m ²	Class 1	1583 rpm	Class 2	2110 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)					40 mmAq (392 Pa)					60 mmAq (588 Pa)					80 mmAq (785 Pa)					100 mmAq (981 Pa)				
		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL	
		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)	
170	7.08	707	0.94	68.9	66		859	1.75	68.5	70		997	2.62	66.5	75											
200	8.33	779	1.19	67.3	69		914	2.09	69.1	72		1039	3.08	68.2	75		1160	4.1	66.6	79						
230	9.57	859	1.51	64.6	73		977	2.50	69.0	74		1090	3.58	69.0	76		1198	4.7	68.2	79		1303	5.9	66.9	82	
260	10.82	941	1.89	61.7	76		1046	2.96	68.3	76		1150	4.1	69.1	78		1248	5.4	68.9	80		1343	6.7	68.3	82	
290	12.07	1027	2.36	59.0	79		1120	3.5	66.8	78		1214	4.8	68.9	79		1308	6.1	69.1	81		1395	7.5	68.9	83	
320	13.32	1114	2.92	56.6	81		1200	4.2	64.9	81		1283	5.5	68.3	81		1369	6.9	69.1	82		1452	8.4	69.1	84	
350	14.57	1201	3.6	54.6	83		1280	4.9	63.1	83		1357	6.3	67.1	83		1435	7.8	68.7	84		1513	9.4	69.1	85	
380	15.82	1292	4.3	52.3	86		1365	5.7	61.0	85		1435	7.2	65.6	85		1508	8.8	67.9	86		1578	10.4	68.9	86	
440	18.32	1472	6.2	49.2	89		1537	7.8	57.5	89		1599	9.4	62.5	89		1659	11.1	65.6	89		1721	12.9	67.5	89	
470	19.56	1565	7.3	47.6	91		1624	9.0	55.8	91		1685	10.7	60.8	91		1742	12.5	64.2	91		1798	14.4	66.4	91	
500	20.81	1657	8.5	46.4	93		1713	10.3	54.3	93		1770	12.2	59.3	93		1823	14.1	62.9	93		1877	16.0	65.2	92	
510	21.23	1686	9.0	46.1	94		1745	10.8	53.7	93		1800	12.7	58.7	93		1852	14.6	62.3	93		1904	16.6	64.9	93	

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)					140 mmAq (1373 Pa)					160 mmAq (1569 Pa)					180 mmAq (1765 Pa)					200 mmAq (1961 Pa)				
		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL		rpm	BkW	ηt	SPL	
		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)		m ⁻¹	kW	%	dB(A)	
170	7.08																									
200	8.33																									
230	9.57																									
260	10.82	1436	8.0	67.3	84																					
290	12.07	1480	9.0	68.4	85		1563	10.4	67.6	87		1647	12.0	66.9	88											
320	13.32	1531	9.9	68.9	85		1609	11.5	68.5	87		1685	13.1	68.0	89		1761	14.8	67.4	90		1836	16.5	66.7	91	
350	14.57	1590	11.1	69.1	86		1662	12.7	69.0	88		1734	14.4	68.7	89		1802	16.2	68.3	90		1872	18.0	67.7	91	
380	15.82	1651	12.2	69.1	87		1721	14.0	69.1	88		1787	15.8	69.0	90		1854	17.7	68.8	91		1917	19.5	68.5	92	
440	18.32	1783	14.9	68.5	90		1846	16.8	69.0	90		1907	18.8	69.1	91		1967	20.9	69.1	92		2026	23.0	69.1	92	
470	19.56	1855	16.4	67.8	91		1912	18.4	68.6	91		1971	20.5	69.0	92		2030	22.7	69.1	93		2087	24.90	69.1	93	
500	20.81	1930	18.1	66.9	92		1984	20.2	68.0	93		2039	22.3	68.7	93		2094	24.60	69.0	93						
510	21.23	1957	18.7	66.6	93		2009	20.8	67.8	93		2063	23.00	68.5	93											

- 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

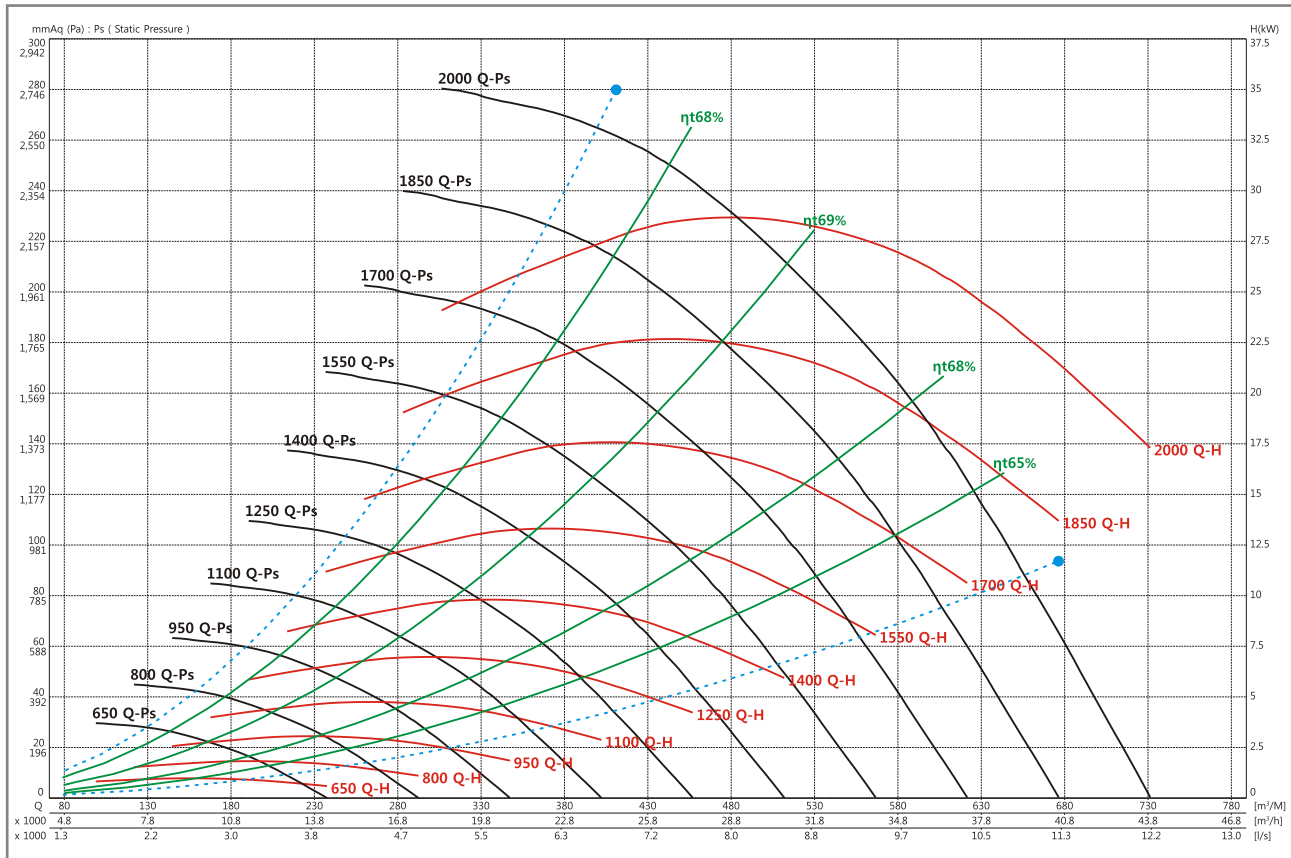
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-5S

FEG 71

Wheel dia	762 mm	Tip Speed =	0.0399 * rpm	Outlet Dim'	185 * 2394	Outlet Area	0.4429 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)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
195	7.34	685	1.09	68.6	66	827	2.02	68.7	71	957	3.02	66.8	75								
230	8.66	760	1.41	66.5	70	883	2.43	69.1	73	999	3.55	68.5	76	1109	4.74	67.1	79				
300	11.29	924	2.27	60.7	77	1018	3.48	67.8	77	1114	4.83	69.1	79	1206	6.25	69.0	81	1293	7.72	68.5	83
335	12.61	1011	2.87	58.0	80	1095	4.17	66.1	80	1181	5.60	68.7	80	1265	7.12	69.1	82	1347	8.71	69.0	83
365	13.74	1085	3.44	55.8	82	1164	4.84	64.4	82	1242	6.35	67.9	82	1320	7.94	69.0	83	1398	9.66	69.1	84
370	13.92	1097	3.56	55.8	83	1176	4.96	64.0	82	1252	6.48	67.8	82	1330	8.09	69.0	83	1407	9.82	69.1	85
405	15.24	1187	4.36	53.3	85	1258	5.88	62.1	85	1329	7.49	66.3	85	1399	9.18	68.3	85	1471	11.0	69.0	86
440	16.56	1277	5.31	51.3	87	1344	6.94	60.0	87	1409	8.65	64.7	87	1473	10.4	67.3	87	1537	12.3	68.6	87
475	17.88	1366	6.39	49.7	89	1431	8.14	58.0	89	1490	9.92	63.1	89	1549	11.8	66.1	89	1609	13.8	67.8	89
510	19.19	1459	7.65	48.1	91	1518	9.47	56.2	91	1574	11.4	61.4	91	1631	13.4	64.6	91	1685	15.5	66.8	91
545	20.51	1549	9.01	46.7	93	1607	11.0	54.6	93	1662	13.1	59.6	93	1712	15.1	63.3	92	1762	17.2	65.6	92
580	21.83	1643	10.6	45.7	94	1695	12.7	53.0	94	1747	14.9	58.2	94	1797	17.0	61.7	94	1846	19.3	64.2	94

Air flow (m ³ /min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
195	7.34																				
230	8.66																				
300	11.29	1379	9.26	67.8	85	1463	10.8	66.9	86												
335	12.61	1425	10.3	68.7	85	1502	12.0	68.1	87	1578	13.8	67.4	88	1654	15.5	66.7	90				
365	13.74	1472	11.4	69.0	86	1544	13.2	68.7	87	1614	15.0	68.3	89	1684	16.8	67.6	90	1754	18.8	67.1	91
370	13.92	1480	11.6	69.1	86	1552	13.4	68.8	87	1622	15.2	68.4	89	1691	17.1	67.8	90	1759	19.0	67.2	92
405	15.24	1541	12.9	69.1	87	1607	14.8	69.1	88	1673	16.8	68.9	89	1738	18.8	68.6	91	1800	20.8	68.2	92
440	16.56	1603	14.3	69.1	88	1668	16.4	69.1	89	1729	18.4	69.1	90	1790	20.5	69.0	91	1850	22.7	68.7	92
475	17.88	1670	15.9	68.7	90	1730	18.0	69.1	90	1790	20.2	69.1	91	1849	22.5	69.1	92	1905	24.7	69.0	93
510	19.19	1741	17.6	68.1	91	1798	19.8	68.8	92	1853	22.1	69.1	92	1909	24.5	69.2	93	1964	26.9	69.1	93
545	20.51	1815	19.5	67.2	92	1867	21.8	68.2	93	1920	24.2	68.8	93	1974	26.7	69.0	94				
580	21.83	1892	21.6	66.2	94	1941	24.0	67.4	94	1989	26.4	68.3	94								

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

2015.Jan-R10.0

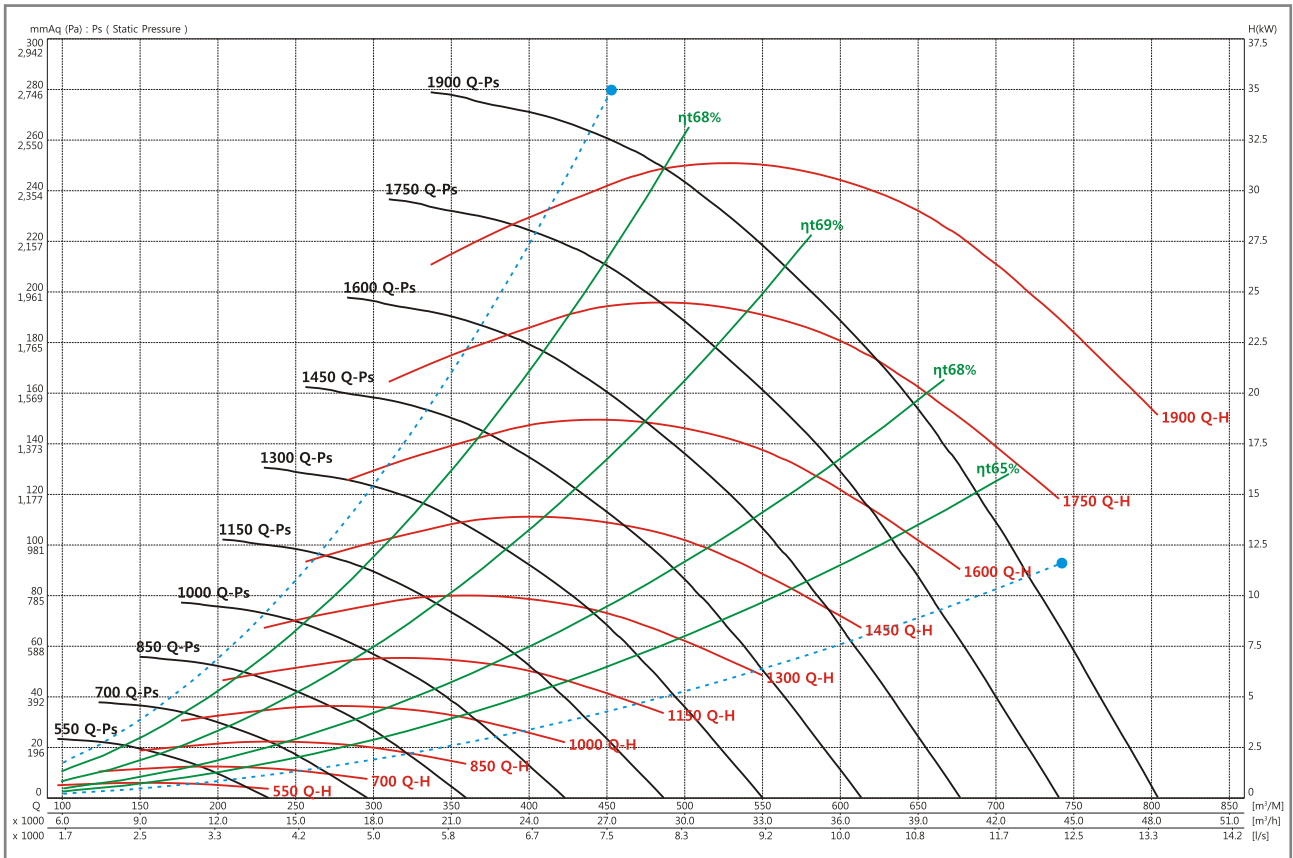
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-5.25S

FEG 71

Wheel dia	800 mm	Tip Speed = 0.04189 * rpm	Outlet Dim'	194 * 2513	Outlet Area	0.4875 m ²	Class 1	1432 rpm	Class 2	1910 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
210	7.18	645	1.17	68.8	66	781	2.16	68.6	71	908	3.26	66.5	75								
250	8.55	716	1.51	66.8	70	837	2.64	69.1	73	947	3.85	68.4	76	1054	5.15	66.9	79				
290	9.91	796	1.96	63.9	74	899	3.18	68.9	75	1000	4.53	69.1	77	1095	5.96	68.4	80	1187	7.46	67.3	82
330	11.28	879	2.51	61.0	78	968	3.83	67.9	77	1061	5.32	69.1	79	1147	6.86	69.0	81	1231	8.48	68.5	83
370	12.65	964	3.17	58.0	80	1045	4.61	66.1	80	1125	6.17	68.7	81	1207	7.89	69.1	82	1284	9.63	69.0	84
410	14.02	1050	3.96	55.4	83	1125	5.53	63.9	83	1196	7.18	67.6	83	1270	8.99	68.9	84	1344	10.9	69.1	85
450	15.38	1137	4.90	53.3	85	1207	6.58	61.7	85	1272	8.36	66.3	85	1339	10.2	68.3	85	1406	12.2	69.0	86
490	16.75	1227	6.00	51.3	88	1292	7.82	59.6	87	1352	9.70	64.4	87	1412	11.7	67.2	87	1473	13.8	68.5	88
530	18.12	1317	7.28	49.5	90	1376	9.19	57.6	89	1432	11.2	62.8	89	1488	13.3	65.9	89	1544	15.5	67.6	89
570	19.49	1407	8.71	47.8	92	1463	10.8	56.0	91	1516	12.9	61.0	91	1569	15.1	64.3	91	1620	17.4	66.5	91
610	20.85	1498	10.4	46.4	93	1549	12.5	54.3	93	1601	14.8	59.3	93	1649	17.1	62.9	93	1698	19.5	65.2	93
650	22.22	1589	12.2	45.2	95	1638	14.5	52.8	95	1687	16.9	57.6	95	1733	19.4	61.4	95	1780	21.9	63.9	95

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
210	7.18																				
250	8.55																				
290	9.91																				
330	11.28	1312	10.2	67.7	85	1393	11.9	66.8	87												
370	12.65	1359	11.4	68.7	85	1432	13.3	68.1	87	1504	15.2	67.5	89	1576	17.2	66.7	90				
410	14.02	1413	12.8	69.1	86	1481	14.8	68.8	88	1547	16.8	68.4	89	1612	19.0	67.9	90	1678	21.1	67.3	92
450	15.38	1472	14.3	69.1	87	1537	16.5	69.1	88	1598	18.6	68.9	90	1660	20.9	68.6	91	1719	23.1	68.3	92
490	16.75	1535	16.0	69.0	89	1596	18.3	69.1	89	1655	20.6	69.1	90	1712	22.9	69.0	91	1769	25.3	68.8	92
530	18.12	1602	17.8	68.6	90	1658	20.2	69.0	91	1715	22.6	69.2	91	1770	25.1	69.1	92	1824	27.6	69.1	93
570	19.49	1672	19.8	67.9	91	1724	22.2	68.7	92	1778	24.8	69.0	93	1830	27.4	69.1	93	1882	30.1	69.1	94
610	20.85	1747	22.0	66.9	93	1794	24.6	68.0	93	1844	27.2	68.7	94	1895	30.0	69.0	94				
650	22.22	1822	24.5	65.9	95	1869	27.1	67.2	95												

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

2015.Jan-R10.0

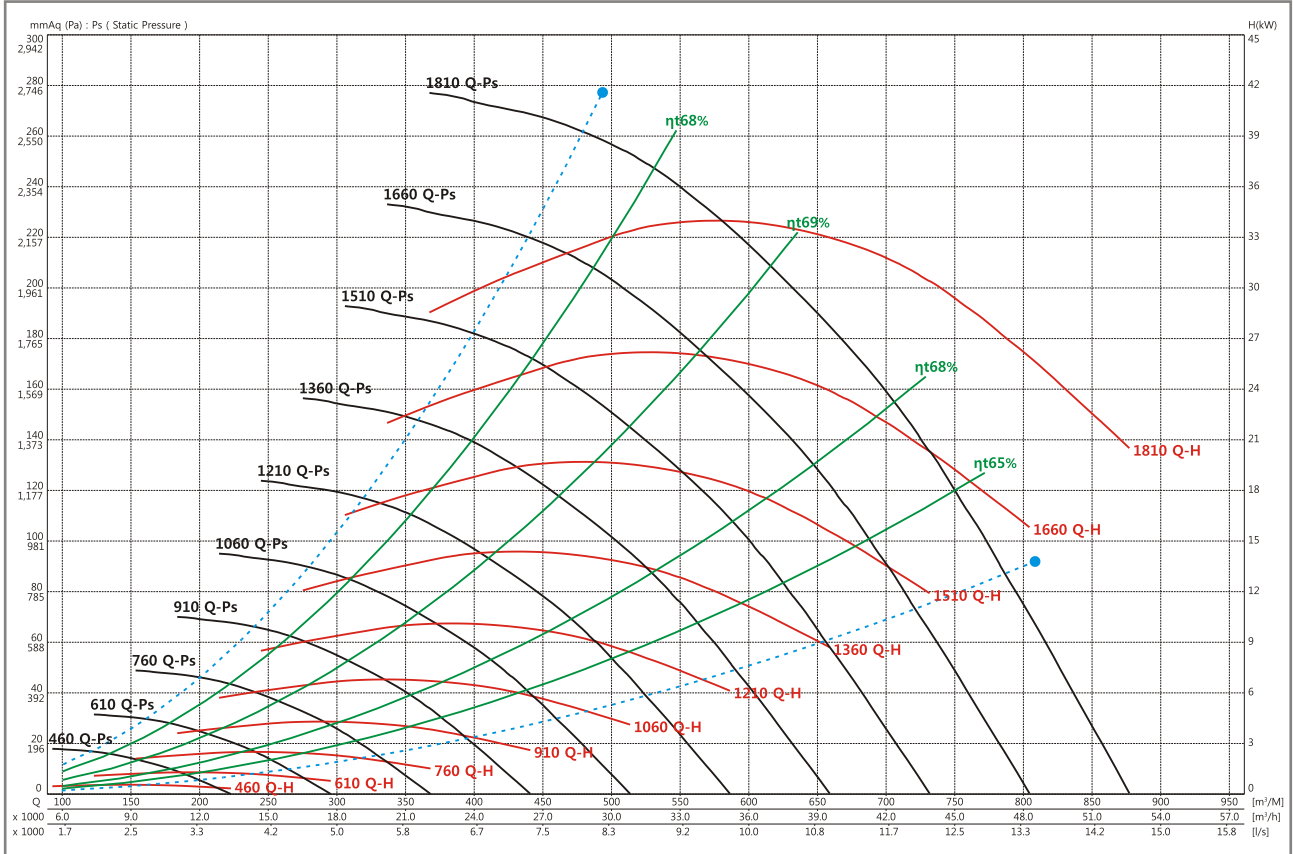
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-5.5S

FEG 71

Wheel dia	837 mm	Tip Speed = 0.04383 * rpm	Outlet Dim'	203 * 2630	Outlet Area	0.5339 m ²	Class 1	1369 rpm	Class 2	1825 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
250	7.80	646	1.43	68.1	68	769	2.59	69.0	72	882	3.85	67.6	76								
290	9.05	712	1.82	65.9	72	821	3.10	69.2	74	923	4.49	68.8	77	1020	5.96	67.6	79				
330	10.30	782	2.30	63.1	75	878	3.67	68.7	76	972	5.21	69.1	78	1060	6.80	68.7	80	1145	8.48	67.8	82
370	11.55	856	2.87	60.2	78	940	4.36	67.5	78	1025	5.99	69.1	79	1108	7.74	69.1	81	1186	9.53	68.7	83
410	12.80	930	3.56	57.6	81	1006	5.14	65.9	81	1083	6.88	68.6	81	1161	8.77	69.2	82	1234	10.7	69.1	84
450	14.05	1006	4.37	55.4	83	1077	6.08	63.9	83	1145	7.91	67.6	83	1216	9.88	68.9	84	1285	11.9	69.1	85
490	15.30	1083	5.30	53.3	86	1148	7.13	62.0	85	1211	9.06	66.3	85	1275	11.1	68.3	85	1340	13.3	69.0	86
530	16.55	1161	6.39	51.5	87	1222	8.33	60.0	87	1281	10.4	64.7	87	1339	12.5	67.4	87	1398	14.8	68.6	88
570	17.79	1239	7.62	49.7	89	1296	9.70	58.2	89	1352	11.9	63.3	89	1405	14.1	66.2	89	1460	16.5	67.9	89
610	19.04	1317	9.02	48.4	91	1371	11.2	56.6	91	1424	13.5	61.6	91	1474	15.9	64.9	91	1525	18.4	66.9	91
650	20.29	1397	10.6	47.0	93	1447	12.9	55.0	93	1498	15.4	60.0	93	1545	17.9	63.5	92	1592	20.4	65.8	92
690	21.54	1475	12.4	46.0	94	1524	14.8	53.5	94	1572	17.4	58.5	94	1618	20.0	62.1	94	1662	22.7	64.6	94

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
250	7.80																				
290	9.05																				
330	10.30	1230	10.2	66.7	85																
370	11.55	1262	11.4	68.0	85	1338	13.3	67.1	87												
410	12.80	1304	12.7	68.7	86	1373	14.7	68.2	87	1441	16.8	67.6	89	1509	19.0	66.8	90				
450	14.05	1352	14.1	69.1	86	1417	16.3	68.8	88	1480	18.5	68.4	89	1542	20.8	67.9	91	1604	23.1	67.3	92
490	15.30	1404	15.6	69.1	87	1465	17.9	69.1	89	1524	20.3	68.9	90	1584	22.7	68.6	91	1641	25.2	68.2	92
530	16.55	1458	17.2	69.1	89	1517	19.7	69.1	89	1574	22.2	69.1	90	1629	24.7	69.0	92	1683	27.3	68.7	93
570	17.79	1515	19.0	68.8	90	1571	21.6	69.1	91	1626	24.2	69.1	91	1679	26.9	69.1	92	1730	29.6	69.0	93
610	19.04	1576	20.9	68.2	91	1628	23.6	68.8	92	1680	26.4	69.1	92	1731	29.2	69.1	93	1781	32.1	69.1	94
650	20.29	1640	23.1	67.4	92	1688	25.8	68.3	93	1737	28.7	68.8	93	1786	31.7	69.1	94				
690	21.54	1706	25.4	66.4	94	1751	28.3	67.6	94	1796	31.2	68.4	94								

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

2015Jan-R10.0

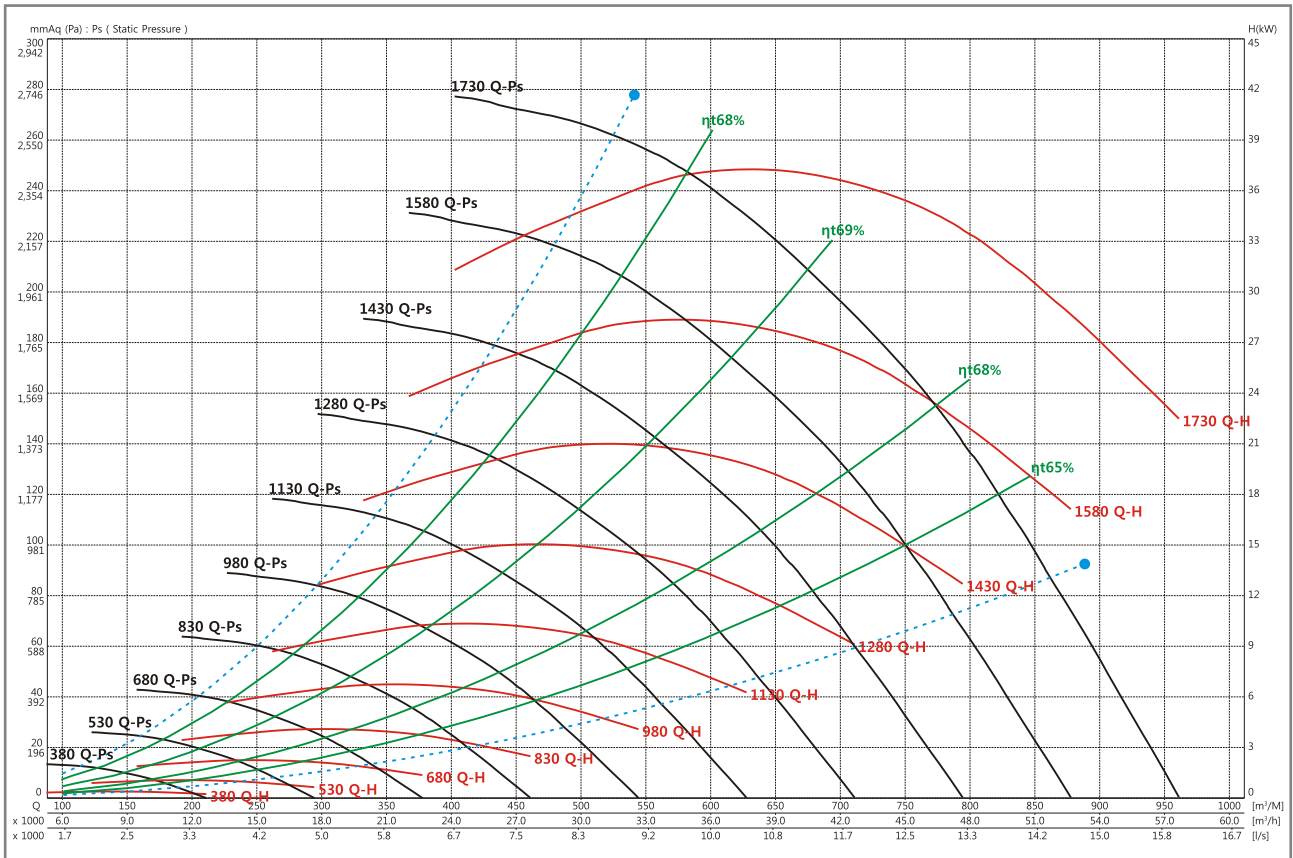
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-5.75S

FEG 71

Wheel dia	876 mm	Tip Speed = 0.04587 * rpm	Outlet Dim	212 * 2752	Outlet Area	0.5834 m ²	Class 1	1308 rpm	Class 2	1744 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
280	8.00	626	1.62	67.8	69	742	2.92	69.0	72	848	4.31	67.8	76								
320	9.14	683	2.02	65.7	72	787	3.42	69.2	74	884	4.95	68.8	77	976	6.58	67.6	80				
360	10.28	746	2.50	63.1	76	836	4.00	68.8	76	927	5.67	69.1	78	1012	7.42	68.6	80	1093	9.24	67.7	83
400	11.43	810	3.08	60.7	78	891	4.67	67.7	78	974	6.46	69.1	79	1053	8.35	69.1	81	1128	10.3	68.6	83
440	12.57	874	3.73	58.2	81	948	5.45	66.3	80	1024	7.34	68.8	81	1098	9.35	69.1	82	1169	11.4	69.0	84
480	13.71	939	4.51	56.2	83	1009	6.34	64.4	83	1076	8.30	67.9	83	1145	10.4	69.0	84	1213	12.7	69.1	85
520	14.85	1006	5.39	54.0	85	1071	7.35	62.8	85	1134	9.45	66.8	84	1196	11.6	68.6	85	1261	14.0	69.1	86
560	16.00	1074	6.41	52.3	87	1135	8.51	61.0	87	1193	10.7	65.5	86	1250	13.0	67.9	86	1310	15.5	68.9	87
600	17.14	1142	7.58	50.8	89	1200	9.80	59.2	88	1255	12.1	64.0	88	1308	14.5	66.8	88	1362	17.0	68.3	89
640	18.28	1211	8.88	49.2	90	1264	11.2	57.6	90	1316	13.6	62.6	90	1367	16.2	65.7	90	1417	18.8	67.6	90
680	19.43	1278	10.3	47.8	92	1330	12.8	56.0	92	1379	15.3	61.1	91	1428	18.0	64.4	91	1475	20.7	66.6	91
720	20.57	1347	11.9	46.7	93	1397	14.5	54.6	93	1444	17.2	59.6	93	1489	20.0	63.3	93	1533	22.8	65.6	93

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	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)
280	8.00																				
320	9.14																				
360	10.28	1174	11.1	66.6	85																
400	11.43	1201	12.3	67.9	85	1275	14.4	67.0	87												
440	12.57	1237	13.6	68.6	86	1304	15.8	68.0	87	1371	18.1	67.3	89	1437	20.4	66.6	90				
480	13.71	1278	15.0	69.0	86	1341	17.3	68.7	88	1402	19.7	68.2	89	1464	22.2	67.6	91	1524	24.7	67.0	92
520	14.85	1323	16.5	69.1	87	1382	18.9	69.0	88	1440	21.5	68.7	90	1497	24.0	68.4	91	1553	26.7	67.9	92
560	16.00	1369	18.0	69.1	88	1426	20.7	69.1	89	1481	23.3	69.0	90	1535	26.0	68.8	91	1589	28.8	68.5	92
600	17.14	1417	19.7	69.0	89	1472	22.5	69.2	90	1525	25.3	69.1	91	1577	28.1	69.1	92	1628	31.1	68.9	93
640	18.28	1468	21.5	68.6	90	1520	24.4	69.0	91	1572	27.4	69.2	92	1622	30.4	69.1	93	1671	33.4	69.1	93
680	19.43	1522	23.6	68.0	92	1571	26.5	68.7	92	1620	29.6	69.0	93	1668	32.7	69.2	93	1715	35.9	69.1	94
720	20.57	1578	25.7	67.2	93	1624	28.8	68.2	93	1669	31.9	68.8	94	1716	35.2	69.0	94				

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

2015Jan-R10.0

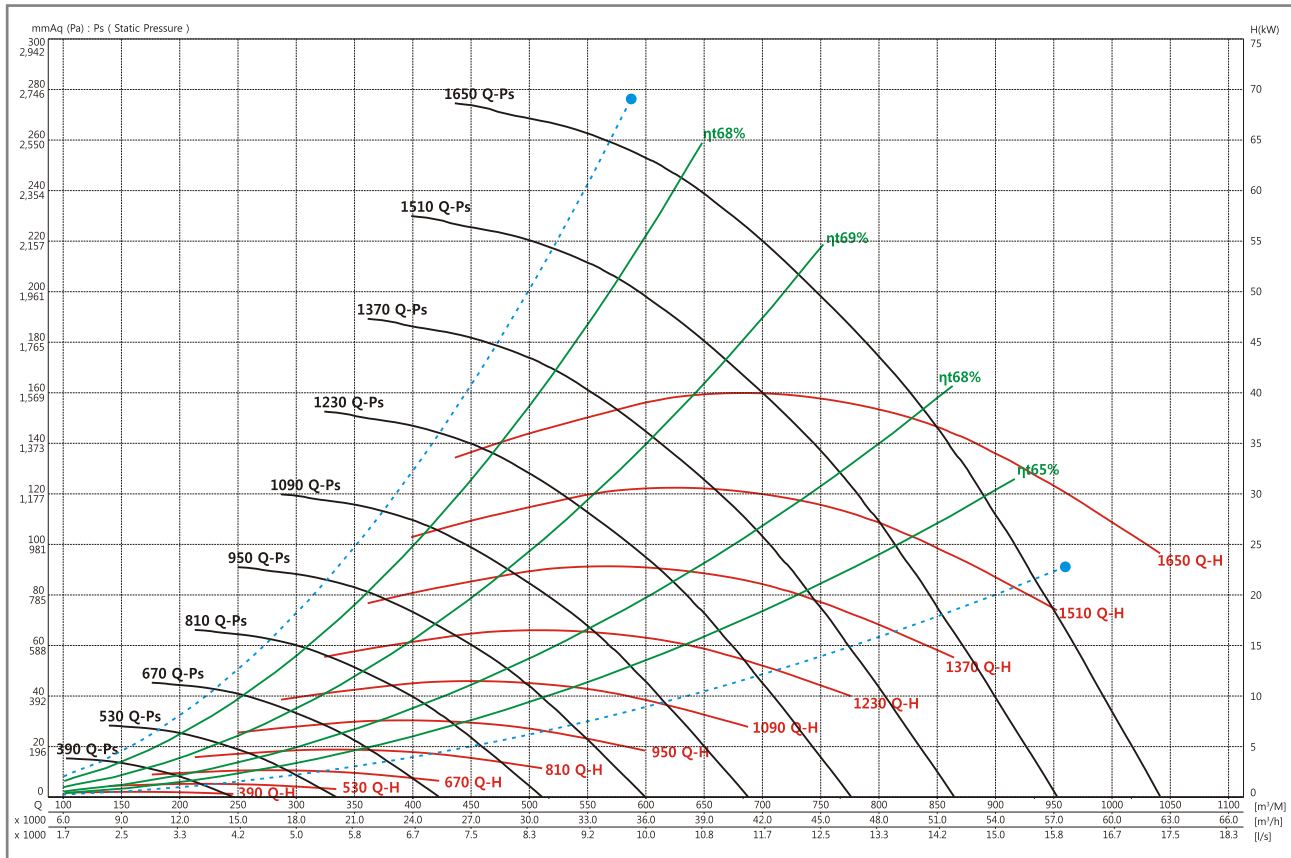
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-6S

FEG 71

Wheel dia	914 mm	Tip Speed = 0.047857 * rpm	Outlet Dim'	220 * 2871	Outlet Area	0.6316 m ²	Class 1	1254 rpm	Class 2	1672 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
250	6.60	537	1.34	69.1	65	664	2.57	67.8	71												
300	7.92	593	1.72	68.0	68	706	3.11	69.0	72	809	4.62	67.6	76								
350	9.24	657	2.21	65.6	73	756	3.75	69.1	74	848	5.41	68.8	77	936	7.18	67.7	80	1019	8.97	66.4	82
400	10.55	725	2.82	62.6	76	811	4.48	68.6	76	897	6.33	69.1	78	976	8.25	68.8	81	1053	10.3	67.9	83
450	11.87	797	3.58	59.7	79	871	5.34	67.2	79	948	7.33	69.0	80	1023	9.45	69.1	82	1094	11.6	68.8	84
500	13.19	868	4.46	57.2	82	936	6.38	65.3	82	1004	8.47	68.4	82	1074	10.7	69.1	83	1141	13.1	69.1	85
550	14.51	941	5.5	54.8	85	1004	7.59	63.3	84	1065	9.8	67.3	84	1129	12.2	68.8	85	1191	14.7	69.2	86
600	15.83	1014	6.72	52.8	87	1073	8.95	61.3	86	1130	11.3	65.8	86	1187	13.8	68.0	86	1244	16.5	68.9	87
650	17.15	1090	8.15	50.8	89	1145	10.6	59.3	88	1197	13	64.1	88	1248	15.7	66.9	88	1301	18.4	68.4	89
700	18.47	1164	9.76	49.2	91	1216	12.3	57.5	90	1265	14.9	62.5	90	1314	17.7	65.6	90	1361	20.6	67.5	90
750	19.79	1240	11.6	47.8	92	1288	14.3	55.8	92	1336	17.2	60.8	92	1381	20.1	64.1	92	1425	23	66.4	92
800	21.11	1317	13.7	46.4	94	1362	16.5	54.0	94	1406	19.5	59.2	94	1448	22.5	62.8	94	1491	25.7	65.1	94

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
250	6.60																				
300	7.92																				
350	9.24																				
400	10.55	1130	12.4	66.9	85																
450	11.87	1162	13.8	68.2	85	1230	16.2	67.4	87	1298	18.6	66.5	89								
500	13.19	1204	15.5	68.9	86	1266	18	68.4	88	1327	20.5	67.8	89	1389	23.2	67.1	90	1449	25.8	66.4	92
550	14.51	1251	17.3	69.1	87	1309	19.9	68.9	88	1366	22.6	68.6	90	1422	25.4	68.2	91	1477	28.2	67.6	92
600	15.83	1302	19.2	69.2	88	1357	22	69.1	89	1410	24.9	69.0	90	1463	27.8	68.7	91	1515	30.8	68.4	92
650	17.15	1355	21.3	69.0	89	1408	24.3	69.2	90	1459	27.4	69.1	91	1508	30.5	69.0	92	1557	33.6	68.9	93
700	18.47	1411	23.6	68.5	91	1460	26.7	69.0	91	1509	30	69.1	92	1558	33.3	69.1	93	1604	36.6	69.1	94
750	19.79	1470	26.1	67.8	92	1517	29.4	68.6	93	1563	32.8	69.0	93	1608	36.2	69.1	94				
800	21.11	1533	29	66.8	94	1575	32.3	68.0	94	1619	35.8	68.6	94								

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

2015.Jan-R10.0

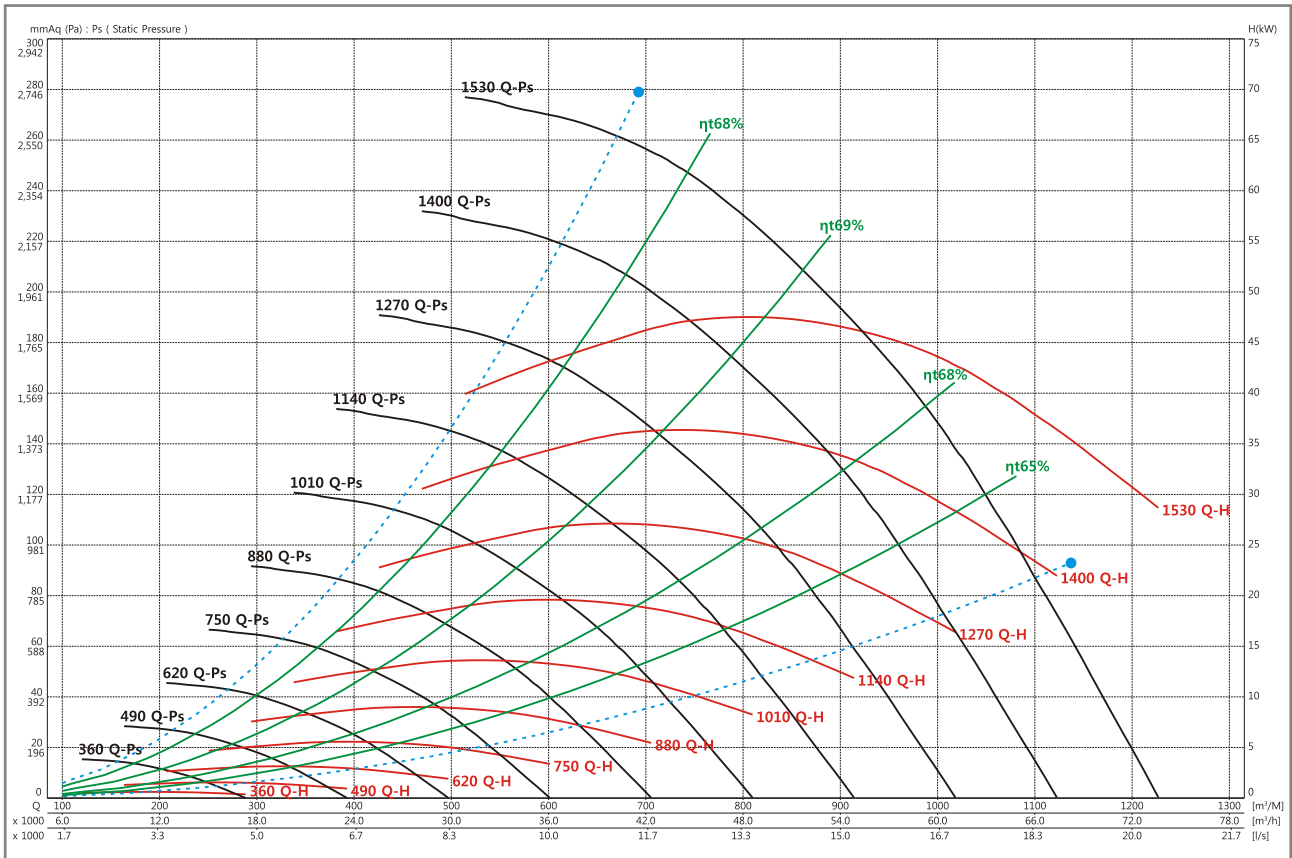
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-6.5S

FEG 71

Wheel dia	990 mm	Tip Speed = 0.05184 * rpm	Outlet Dim'	238 * 3110	Outlet Area	0.7402 m ²	Class 1	1157 rpm	Class 2	1543 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
300	6.76	502	1.62	69.1	66	617	3.07	68.0	71												
350	7.88	546	2.01	68.1	69	650	3.63	69.0	72	746	5.39	67.6	76								
400	9.01	596	2.49	66.1	72	689	4.25	69.1	74	777	6.19	68.7	77	859	8.22	67.5	80				
450	10.13	649	3.07	63.6	76	731	4.95	68.9	76	813	7.06	69.1	78	888	9.25	68.5	81	962	11.6	67.5	83
500	11.26	704	3.76	61.1	78	777	5.76	67.9	78	852	8.02	69.2	80	923	10.4	69.0	82	991	12.9	68.5	84
550	12.38	760	4.56	58.7	81	827	6.72	66.5	80	895	9.09	68.9	81	962	11.6	69.1	83	1025	14.2	69.0	84
600	13.51	817	5.49	56.6	83	879	7.80	64.9	83	940	10.3	68.2	83	1003	13.0	69.1	84	1064	15.8	69.1	85
650	14.64	874	6.56	54.6	85	932	9.00	63.2	85	989	11.6	67.2	84	1046	14.4	68.8	85	1103	17.4	69.1	86
700	15.76	932	7.78	52.8	87	987	10.4	61.4	87	1039	13.1	65.9	86	1092	16.1	68.1	87	1146	19.2	69.0	87
750	16.89	991	9.19	51.3	89	1043	12.0	59.7	88	1092	14.9	64.5	88	1140	17.9	67.2	88	1190	21.1	68.5	89
800	18.01	1050	10.7	49.7	90	1099	13.6	58.0	90	1146	16.7	63.1	90	1191	19.9	66.1	90	1237	23.2	67.9	90
850	19.14	1110	12.5	48.4	92	1156	15.6	56.6	92	1200	18.7	61.6	92	1243	22.1	64.9	91	1286	25.6	67.0	91

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
300	6.76																				
350	7.88																				
400	9.01																				
450	10.13																				
500	11.26	1057	15.4	67.6	85	1123	18.0	66.7	87												
550	12.38	1087	17.0	68.5	86	1147	19.8	67.8	88	1208	22.7	67.1	89								
600	13.51	1121	18.6	69.0	87	1178	21.6	68.5	88	1233	24.6	68.0	89	1288	27.8	67.4	91	1343	30.9	66.7	92
650	14.64	1159	20.5	69.1	87	1212	23.6	69.0	89	1265	26.8	68.6	90	1316	30.0	68.2	91	1367	33.4	67.7	92
700	15.76	1199	22.4	69.2	88	1250	25.7	69.1	89	1299	29.0	69.0	90	1348	32.5	68.7	92	1396	35.9	68.4	93
750	16.89	1240	24.5	69.0	89	1290	28.0	69.1	90	1337	31.5	69.1	91	1383	35.0	69.0	92	1429	38.7	68.8	93
800	18.01	1283	26.7	68.7	91	1330	30.3	69.1	91	1377	34.1	69.1	92	1421	37.8	69.1	93	1465	41.6	69.0	94
850	19.14	1329	29.1	68.2	92	1374	32.9	68.8	92	1418	36.7	69.1	93	1461	40.7	69.1	94	1503	44.7	69.1	94

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

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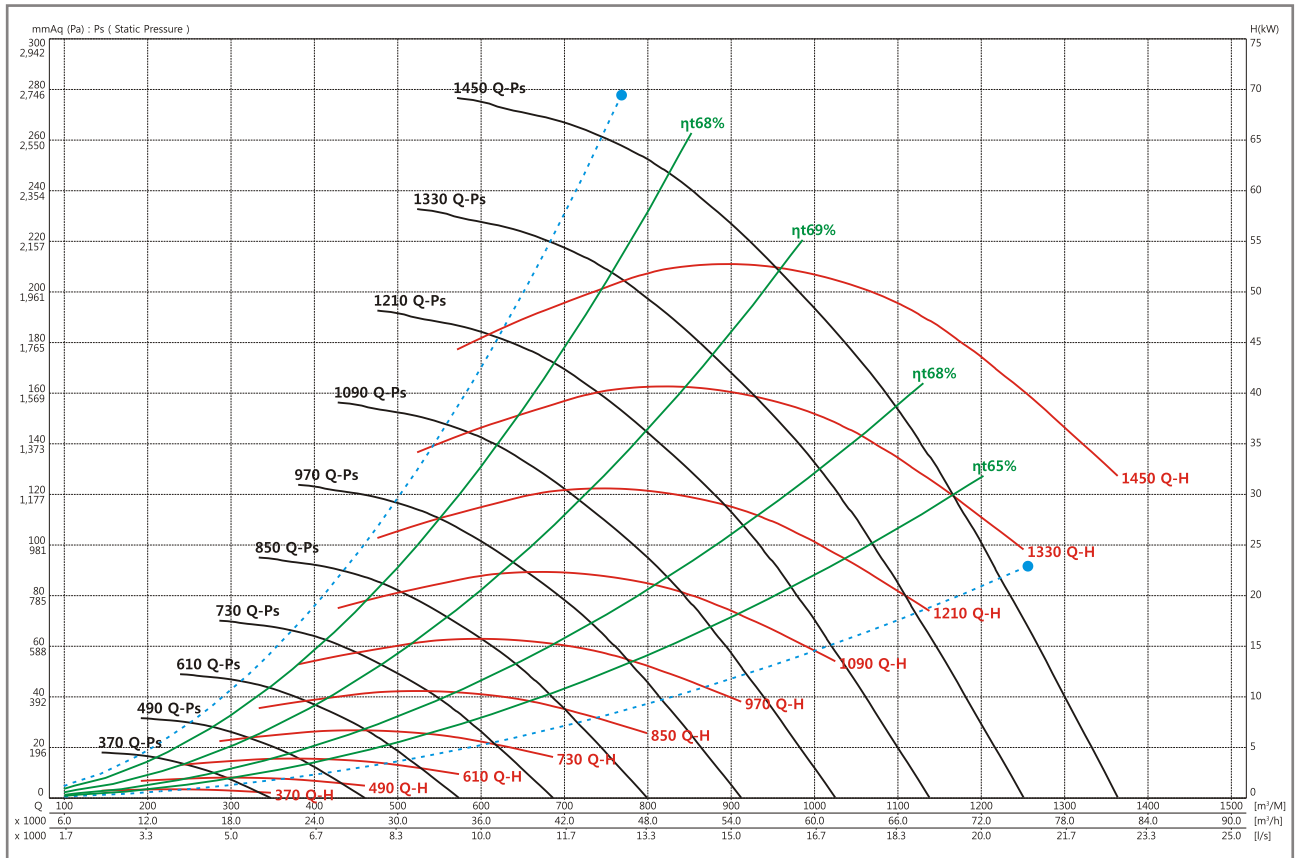
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-7S

FEG 71

Wheel dia	1044 mm	Tip Speed = 0.05466 * rpm	Outlet Dim'	251 * 3280	Outlet Area	0.8233 m ²	Class 1	1098 rpm	Class 2	1463 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
400	8.10	527	2.34	67.8	69	623	4.16	69.1	73	712	6.16	67.8	76								
450	9.11	570	2.82	65.9	73	657	4.80	69.2	74	739	6.96	68.7	77	817	9.23	67.6	80				
500	10.12	615	3.40	63.6	76	693	5.51	68.9	76	770	7.84	69.1	78	842	10.3	68.5	81	912	12.8	67.5	83
550	11.13	662	4.08	61.4	79	732	6.31	68.1	78	804	8.79	69.2	80	872	11.4	69.0	82	936	14.1	68.4	84
600	12.15	709	4.87	59.2	81	774	7.24	66.8	80	840	9.84	69.0	81	904	12.6	69.1	83	965	15.5	68.9	84
650	13.16	757	5.76	57.2	83	818	8.27	65.4	82	878	11.0	68.5	83	938	13.9	69.1	84	997	17.0	69.1	85
700	14.17	806	6.78	55.4	85	863	9.46	63.9	84	918	12.3	67.6	84	975	15.4	68.9	85	1031	18.6	69.1	86
750	15.18	856	7.94	53.7	87	909	10.7	62.3	86	961	13.8	66.5	86	1013	16.9	68.5	86	1066	20.3	69.1	87
800	16.20	905	9.21	52.0	88	957	12.2	60.8	88	1004	15.3	65.3	87	1053	18.6	67.8	87	1102	22.1	68.8	88
850	17.21	956	10.7	50.8	90	1004	13.8	59.2	89	1050	17.1	64.1	89	1095	20.5	66.8	89	1141	24.1	68.4	89
900	18.22	1006	12.3	49.5	91	1052	15.6	57.8	91	1095	19.0	62.8	91	1138	22.5	65.9	90	1182	26.3	67.7	90
950	19.23	1057	14.1	48.4	92	1100	17.5	56.4	92	1142	21.0	61.5	92	1183	24.8	64.8	92	1224	28.6	66.9	92

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL	rpm	BkW	ηt	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
400	8.10																				
450	9.11																				
500	10.12																				
550	11.13	1000	16.9	67.6	86	1063	19.9	66.6	87												
600	12.15	1024	18.5	68.4	86	1082	21.6	67.6	88	1141	24.7	66.8	89								
650	13.16	1053	20.1	68.9	87	1107	23.4	68.4	88	1161	26.7	67.7	90	1215	30.1	67.1	91	1267	33.5	66.4	92
700	14.17	1084	21.9	69.1	87	1136	25.3	68.8	89	1186	28.8	68.4	90	1236	32.3	67.9	91	1286	36.0	67.3	92
750	15.18	1117	23.8	69.1	88	1167	27.4	69.1	89	1215	31.0	68.8	90	1262	34.7	68.5	91	1309	38.5	68.1	93
800	16.20	1152	25.8	69.1	89	1200	29.5	69.1	90	1246	33.3	69.0	91	1291	37.2	68.9	92	1336	41.2	68.5	93
850	17.21	1188	27.9	69.0	90	1234	31.8	69.2	91	1279	35.8	69.1	92	1322	39.8	69.0	93	1365	44.0	68.9	93
900	18.22	1225	30.2	68.7	91	1269	34.2	69.0	92	1313	38.4	69.2	92	1355	42.6	69.1	93	1395	46.9	69.1	94
950	19.23	1264	32.6	68.1	92	1306	36.8	68.8	93	1348	41.1	69.1	93	1389	45.6	69.1	94	1429	50.0	69.1	95

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

2015.Jan-R10.0

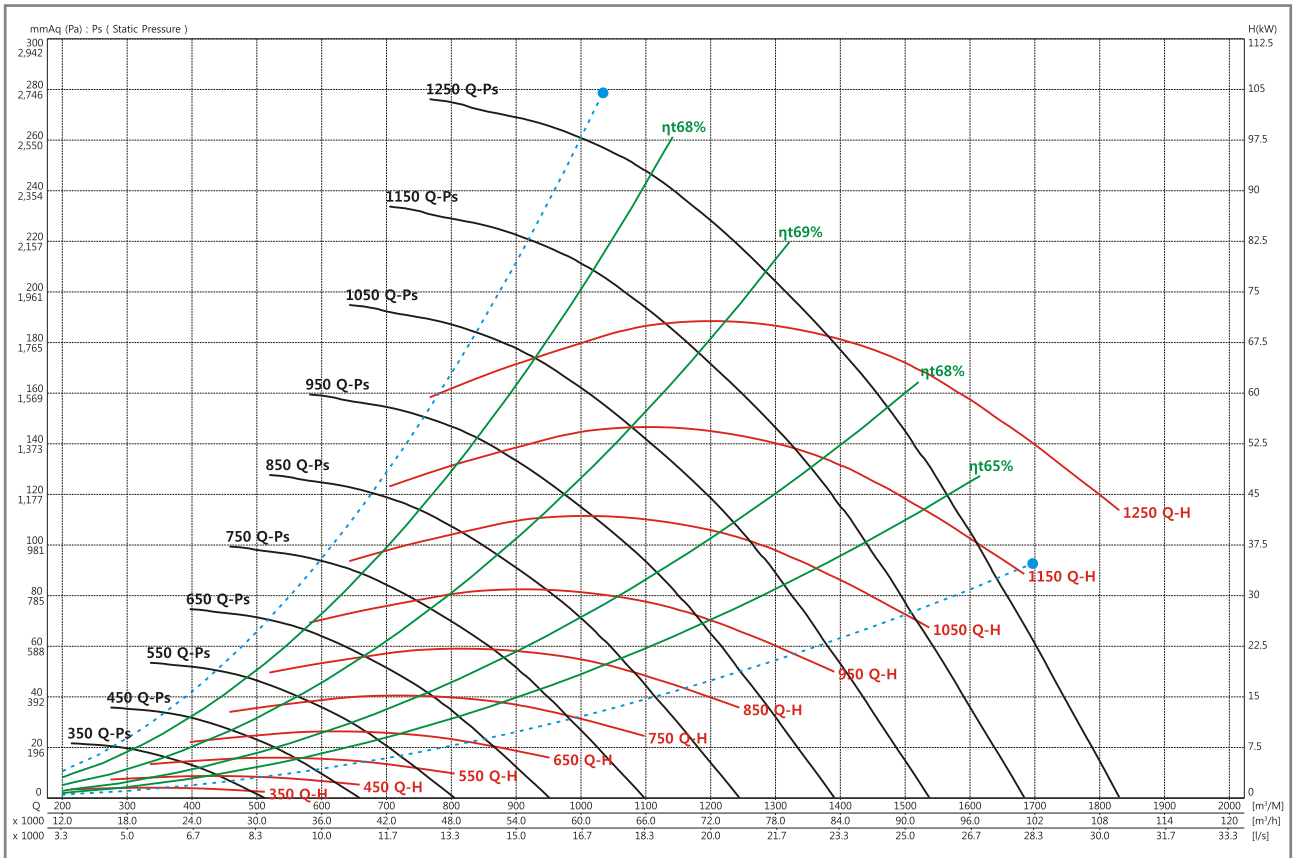
GAP-S series

PLENUM FAN
www.gsfan.co.kr

GAP-8S

FEG 71

Wheel dia	1210 mm	Tip Speed = 0.06336 * rpm	Outlet Dim'	290 * 3801	Outlet Area	1.1023 m ²	Class 1	947 rpm	Class 2	1263 rpm	Not Applicable
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Air flow (m³/min)	Outlet Vel (m/sec)	20 mmAq (196 Pa)				40 mmAq (392 Pa)				60 mmAq (588 Pa)				80 mmAq (785 Pa)				100 mmAq (981 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
475	7.18	423	2.62	68.9	68	514	4.88	68.5	72	597	7.31	66.4	76								
550	8.32	461	3.24	67.4	71	543	5.75	69.1	74	619	8.48	68.1	77	691	11.3	66.4	80				
625	9.45	503	4.01	65.1	75	576	6.73	69.1	76	646	9.70	68.9	78	711	12.8	67.9	81	776	16.1	66.6	84
700	10.58	547	4.94	62.8	78	612	7.82	68.6	78	677	11.1	69.1	80	737	14.4	68.7	82	795	18.0	67.9	84
775	11.72	593	6.05	60.2	81	651	9.11	67.5	80	710	12.6	69.1	81	767	16.2	69.1	83	821	20.0	68.7	85
850	12.85	639	7.33	58.0	83	692	10.6	66.0	82	746	14.2	68.7	83	799	18.1	69.2	84	850	22.1	69.1	86
925	13.99	686	8.78	55.8	85	736	12.3	64.2	85	784	16.1	67.9	84	834	20.2	69.0	85	883	24.5	69.1	87
1000	15.12	733	10.5	53.9	87	780	14.2	62.5	87	825	18.3	66.7	86	870	22.5	68.5	87	916	27.0	69.1	88
1075	16.25	781	12.4	52.0	89	826	16.4	60.8	89	867	20.6	65.3	88	909	25.0	67.8	88	951	29.7	68.8	89
1150	17.39	830	14.6	50.5	91	871	18.8	59.0	90	911	23.2	63.9	90	950	27.9	66.7	90	989	32.7	68.3	90
1225	18.52	879	17.1	49.2	93	918	21.5	57.5	92	955	26.1	62.5	92	991	31.0	65.7	91	1028	36.0	67.5	91
1300	19.66	928	19.8	48.0	94	964	24.5	56.0	94	1000	29.4	61.1	93	1035	34.4	64.4	93	1069	39.6	66.5	93

Air flow (m³/min)	Outlet Vel (m/sec)	120 mmAq (1177 Pa)				140 mmAq (1373 Pa)				160 mmAq (1569 Pa)				180 mmAq (1765 Pa)				200 mmAq (1961 Pa)			
		rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL	rpm	BkW	η _t	SPL
		m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)	m ⁻¹	kW	%	dB(A)
475	7.18																				
550	8.32																				
625	9.45																				
700	10.58	853	21.6	66.9	86																
775	11.72	873	23.8	68.0	86	926	27.9	67.1	88												
850	12.85	900	26.3	68.7	87	947	30.5	68.2	89	995	34.9	67.5	90	1043	39.5	66.8	91				
925	13.99	929	28.9	69.0	88	974	33.4	68.7	89	1018	38.0	68.3	90	1062	42.8	67.7	92	1106	47.6	67.1	93
1000	15.12	961	31.7	69.1	89	1003	36.4	69.0	90	1045	41.3	68.8	91	1086	46.2	68.4	92	1127	51.3	68.0	93
1075	16.25	994	34.6	69.1	90	1035	39.7	69.1	91	1075	44.8	69.0	92	1114	50.0	68.9	93	1152	55.3	68.5	93
1150	17.39	1029	37.9	68.9	91	1068	43.1	69.1	92	1107	48.5	69.1	92	1144	54.0	69.1	93	1180	59.5	68.9	94
1225	18.52	1065	41.3	68.6	92	1103	46.8	69.0	93	1140	52.5	69.1	93	1176	58.2	69.1	94	1211	64.0	69.1	95
1300	19.66	1103	45.1	67.9	93	1138	50.7	68.7	94	1174	56.6	69.0	94	1209	62.6	69.1	95	1243	68.7	69.1	95

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

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 ←

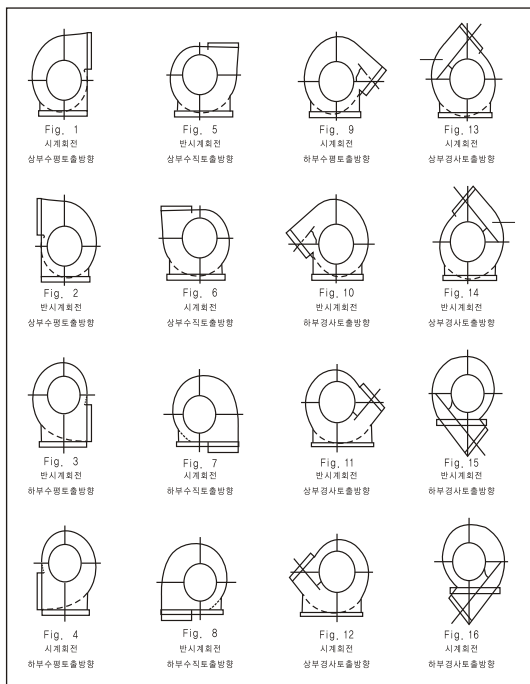
송풍기의 크기 ←

→ 전동기의 위치

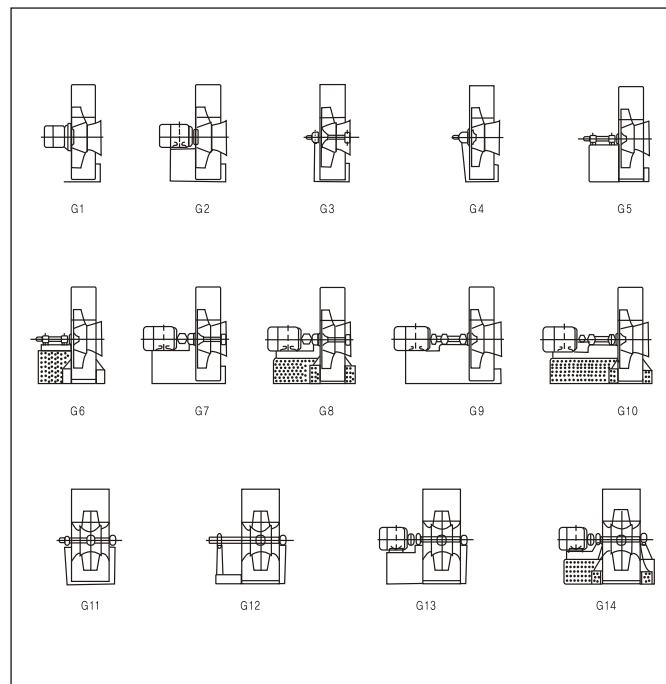
→ 송풍기의 구동방법

송풍기의 구동방법

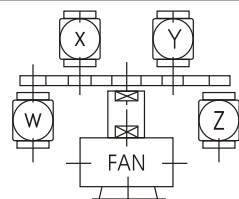
■ 송풍기의 회전방향 (흡입구측에서 보았을때)



■ 송풍기의 구동방법

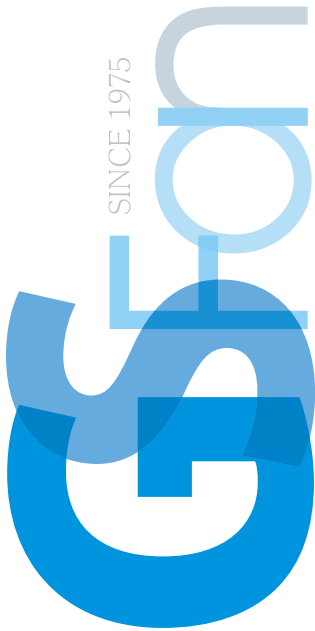


전동기의 위치



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소 속 : 담 당:
전화번호 :



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