

Bulletin
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Centrifugal Airfoil Plenum

FAN & BLOWER SYSTEM



 주식회사 **BnC**

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BnC Company Limited certifies that the
BPF Series Centrifugal Airfoil Plenum
Fans shown herein are licensed to bear the AMCA Seal.

The ratings shown are based on tests and procedures performed in
accordance with AMCA Publication 211 and AMCA Publication 311 and
comply with the requirements of the AMCA Certified Ratings Program.



Plenum Airfoil Fan BPF Series

기술 현황 (Technical Overview)



ISO 9001:2008

ISO 9001 인증

ISO 9001은 국제 표준화기구 기술위원회에서 제정한 품질경영과 품질보증에 관한 일련의 국제규격입니다. 본 인증은 이 규격을 바탕으로 자사 체질에 맞는 품질경영 시스템을 수립하여 제 3 자 인증기관으로 부터 자사 품질경영 시스템의 적합성 및 실행 상태를 평가 받아 고객에게 신뢰할 수 있는 제품과 서비스를 공급하는 체제를 갖추어 운용하고 있다는 것을 보증하는 것으로 공급자 품질 시스템에 대한 제 3 자 심사 및 등록제도입니다.



AMCA SEAL

AMCA 에서 승인된 Laboratory 에서 소음(dB)과 성능 (풍량, 정압, 축동력), 효율을 검증 하여 제품 카탈로그의 데이터를 보증해 주는 국제적으로 공신력이 있는 연구 기관의 인증서로 본지인 Plenum Fan 전 제품에 부착됩니다.



KARSE

한국설비기술협회(KARSE) 단체표준 인증

KARSE 인증은 설비기자재의 성능보증 체계 구축을 통한 고품질 기자재 보급 유도과 이를 통한 소비자의 신뢰 확보, 건설시장 질서유지, 전문업체 육성을 목적으로 하고 있습니다.



고효율기자재

고효율 기자재 인증

고효율 기자재란, 고효율시험기관에서 측정 한 에너지 소비효율 및 품질시험 결과 전 항목을 만족하고 에너지 관리공단에서 고효율 에너지 기자재로 인증 받은 제품입니다.

Plenum Airfoil Fan

BPF Series

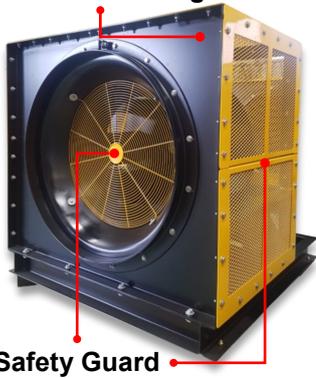
제품 특징 (Product Features)

강한 내구성, 고효율, 저소음을 실현한 BnC Plenum Airfoil Fan

- Airfoil 형상의 익형 Blade 적용으로 작은 동력으로 효율이 높고, 운전 소음이 낮은 송풍기입니다.
- 유선형의 Inlet Cone 과 Wheel Cone 사용으로 최적의 기류를 형성합니다.
- 견고한 용접구조와 엄선한 볼 및 롤러 베어링을 사용하여 장시간 연속 운전에도 신뢰성이 높은 운전이 가능합니다.
- 안전을 위한 Accessory



Plenum Housing



Wheel Dia. (mm)	300	~	1,486
풍량 (CMM)	10	~	3,000
토출 속도 (m/s)	5	~	30
정압 (mmAq)	10	~	500

고성능 WHEEL



- 상하 익형(翼形)의 적용으로 최적의 기류를 형성합니다.

- 이상적인 블레이드 배열을 통해 회전 시 발생하는 와류 및 소음을 최소화하였습니다.

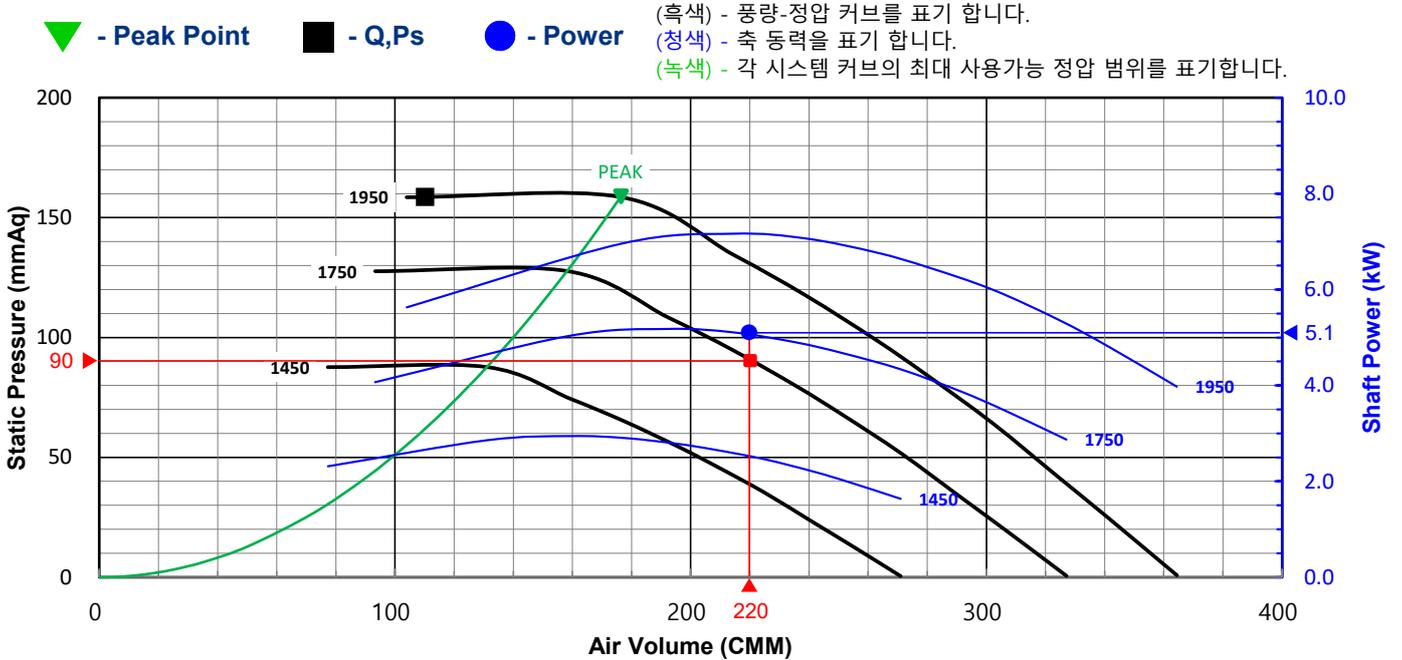


- 스피닝 공법으로 제작된 유선형 Wheel Cone과 Inlet Cone을 적용하여 높은 효율과 안정적인 기류 공급을 실현하였습니다.



Plenum Airfoil Fan BPF Series

성능곡선을 이용한 팬 선정 방법 (Fan Selection Process Using Performance Curve)



풍량(CMM)	정압(mmAq)	RPM
220	90	1750

Symbols and Subscripts

Q	- Air Volume (m ³ /min)
Pt	- Total Pressure (mmAq)
Ps	- Static Pressure (mmAq)
S.Pow	- Shaft Power (kW)
St.Eff	- Static Efficiency (%)
To.Eff	- Total Efficiency (%)
LwA	- Sound Power Level (dBA)

Selection Steps

- 풍량 지정 표시**
가로축에서 원하는 풍량 지점을 찾은 후, 해당 지점에서 **세로 방향**으로 기준선을 그립니다.
- 정압 지정 표시**
세로축의 좌측에서 원하는 정압 지점을 찾은 후, 해당 지점에서 **가로 방향**으로 기준선을 그립니다.
- 교차점 확인**
①, ②에서 그은 두 선이 만나는 지점을 확인합니다.
교차점이 위치한 **검은색 성능곡선**이 바로 해당 운전점에 적합한 팬의 모델에 해당합니다.
- 동력 확인**
선정된 곡선(검은색 곡선)에 대응하는 회전수(RPM)를 찾습니다.
동일한 RPM의 청색 곡선(동력 곡선)과 ①에서 그은 풍량선이 만나는 지점에서 **우측 세로축으로 기준선을 연장**합니다.
이때, 선이 우측 축과 만나는 지점의 값에서 팬의 소요 동력을 확인할 수 있습니다. 이 그림에서는, 약 **5.1 kW**로 확인할 수 있습니다.

	Q(m ² /min)	Pt(mmAq)	Ps(mmAq)	S.Pow(kW)	St.Eff(%)	To.Eff(%)	LwA(dB)
1750 RPM	251.5	80.4	67.6	4.67	70.8%	59.3%	91
	235.8	90.9	79.6	4.9	71.5%	62.5%	90
	214.4	103.9	94.6	5.11	71.2%	64.7%	89
	192.3	115.9	108.3	5.18	70.1%	65.5%	88
	158.2	132.8	127.7	5.03	68.1%	65.4%	87

각 페이지는 하나의 팬 규격에 대한 모든 성능, 정압, 동력, 소음 등의 데이터가 수록 되어 있습니다.
이 그림은 BPF-0630 (# 4) 의 성능 곡선의 표시법에 대한 설명입니다.

BPF-0400 (# 2 3/4)

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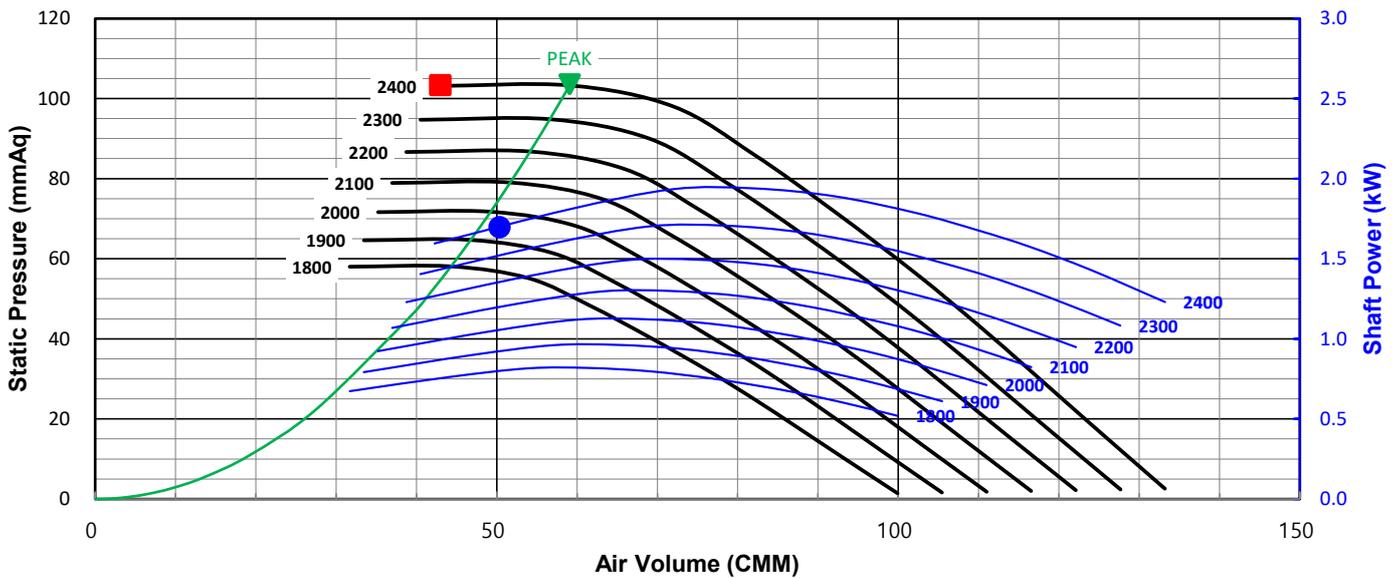
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System range (Maximum rev./min)
 Class-I = 3,302 RPM
 Class-II = 3,586 RPM
 Impeller Diameter : 411 mm.
 Outlet Area. : 0.1317 m²

▼ - Peak Point ■ - Q,P_s ● - Power



1800 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	76.7	37.3	31.6	0.75	52.5%	79
	69.1	44.9	40.3	0.8	56.9%	78
	61.5	52	48.3	0.82	59.2%	78
	54	57.9	55.1	0.82	59.4%	78
44.3	59.9	58	0.76	54.9%	78	

1900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	80.9	41.6	35.2	0.89	52.5%	80
	72.9	50	44.9	0.94	56.9%	80
	64.9	58	53.9	0.96	59.2%	80
	57	64.5	61.4	0.96	59.4%	80
46.7	66.8	64.7	0.9	54.9%	80	

2000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	85.2	46	39	1.03	52.5%	82
	76.7	55.5	49.7	1.09	56.9%	81
	68.3	64.3	59.7	1.12	59.2%	81
	60	71.5	68	1.12	59.4%	81
49.2	74	71.7	1.05	54.9%	81	

2100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	89.4	50.8	43	1.2	52.5%	83
	80.6	61.1	54.8	1.27	56.9%	83
	71.7	70.8	65.8	1.3	59.2%	82
	63.0	78.8	75	1.3	59.4%	82
51.6	81.6	79	1.21	54.9%	82	

2200 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	93.7	55.7	47.2	1.37	52.5%	84
	84.4	67.1	60.2	1.46	56.9%	84
	75.1	77.8	72.2	1.49	59.2%	84
	66	86.5	82.3	1.49	59.4%	84
54.1	89.6	86.7	1.39	54.9%	84	

2300 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	98	60.9	51.5	1.57	52.5%	85
	88.2	73.4	65.8	1.66	56.9%	85
	78.5	85	79	1.71	59.2%	85
	69	94.6	89.9	1.7	59.4%	85
56.6	97.9	94.8	1.59	54.9%	85	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0450 (# 3)

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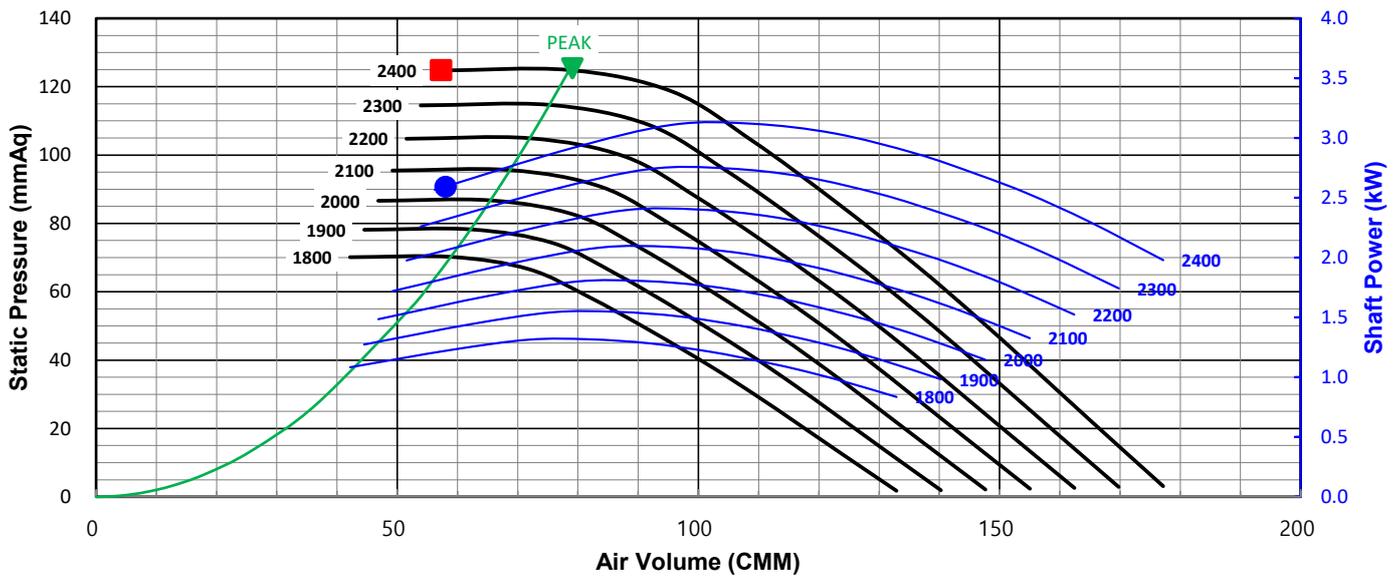
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System range (Maximum rev./min)
 Class-I = 2,992 RPM
 Class-II = 3,509 RPM
 Impeller Diameter : 452 mm.
 Outlet Area. : 0.1590 m²

▼ - Peak Point ■ - Q,Ps ● - Power



1800 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	102	45.2	38.2	1.21	52.5%	82
	91.9	54.4	48.7	1.28	56.9%	81
	81.8	63	58.5	1.32	59.2%	81
	71.8	70.1	66.6	1.31	59.4%	81
58.9	72.5	70.2	1.23	54.9%	81	

1900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	107.6	50.3	42.5	1.42	52.5%	83
	97	60.6	54.3	1.51	56.9%	83
	86.3	70.2	65.2	1.55	59.2%	83
	75.8	78.1	74.2	1.54	59.4%	82
62.1	80.8	78.2	1.44	54.9%	82	

2000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	113.3	55.8	47.1	1.66	52.5%	85
	102.1	67.1	60.1	1.76	56.9%	84
	90.8	77.8	72.2	1.81	59.2%	84
	79.8	86.5	82.3	1.8	59.4%	84
65.4	89.6	86.7	1.68	54.9%	84	

2100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	119.0	61.5	52	1.92	52.5%	86
	107.2	74.0	66.3	2.04	56.9%	85
	95.4	85.7	79.6	2.09	59.2%	85
	83.7	95.4	90.7	2.08	59.4%	85
68.7	98.7	95.6	1.95	54.9%	85	

2200 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	124.6	67.5	57	2.21	52.5%	87
	112.3	81.2	72.8	2.34	56.9%	87
	99.9	94.1	87.4	2.4	59.2%	87
	87.7	104.7	99.5	2.4	59.4%	87
72	108.4	104.9	2.24	54.9%	87	

2300 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	130.3	73.8	62.4	2.53	52.5%	88
	117.4	88.8	79.5	2.67	56.9%	88
	104.5	102.9	95.5	2.75	59.2%	88
	91.7	114.5	108.8	2.74	59.4%	88
75.2	118.5	114.6	2.56	54.9%	88	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0500 (# 3 1/2)

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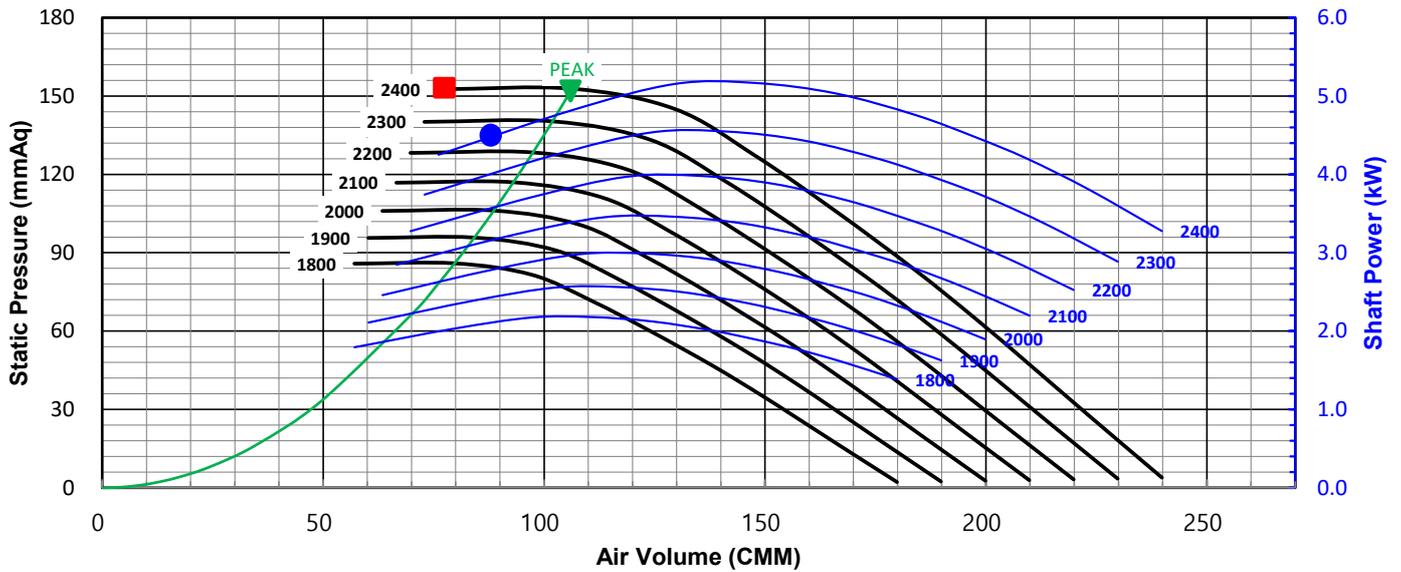
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System range (Maximum rev./min)
 Class-I = 2,706 RPM
 Class-II = 3,173 RPM
 Impeller Diameter : 500 mm.
 Outlet Area. : 0.1948 m²

▼ - Peak Point ■ - Q,Ps ● - Power



1800 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	138	55.3	46.7	2.01	52.5%	85
	124.4	66.5	59.6	2.12	56.9%	84
	110.7	77.1	71.6	2.18	59.2%	84
	97.2	85.8	81.5	2.17	59.4%	84
79.7	88.8	85.9	2.03	54.9%	84	

1900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	145.7	61.6	52.1	2.36	52.5%	86
	131.3	74.1	66.4	2.5	56.9%	86
	116.8	85.9	79.8	2.56	59.2%	86
	102.6	95.6	90.8	2.56	59.4%	86
84.1	98.9	95.7	2.39	54.9%	85	

2000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	153.4	68.2	57.7	2.75	52.5%	88
	138.2	82.1	73.6	2.91	56.9%	87
	123	95.2	88.4	2.99	59.2%	87
	108	105.9	100.7	2.98	59.4%	87
88.6	109.6	106.1	2.79	54.9%	87	

2100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	161.1	75.2	63.6	3.19	52.5%	89
	145.1	90.6	81.1	3.37	56.9%	89
	129.1	104.9	97.4	3.46	59.2%	88
	113.4	116.7	111	3.45	59.4%	88
93.0	120.8	117	3.23	54.9%	88	

2200 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	168.7	82.6	69.8	3.66	52.5%	90
	152	99.4	89.1	3.88	56.9%	90
	135.3	115.1	106.9	3.98	59.2%	90
	118.8	128.1	121.8	3.97	59.4%	90
97.4	132.6	128.4	3.71	54.9%	90	

2300 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	176.4	90.3	76.3	4.19	52.5%	91
	158.9	108.7	97.3	4.43	56.9%	91
	141.4	125.9	116.9	4.55	59.2%	91
	124.2	140.1	133.1	4.54	59.4%	91
101.9	145	140.3	4.24	54.9%	91	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0560 (# 3 3/4)

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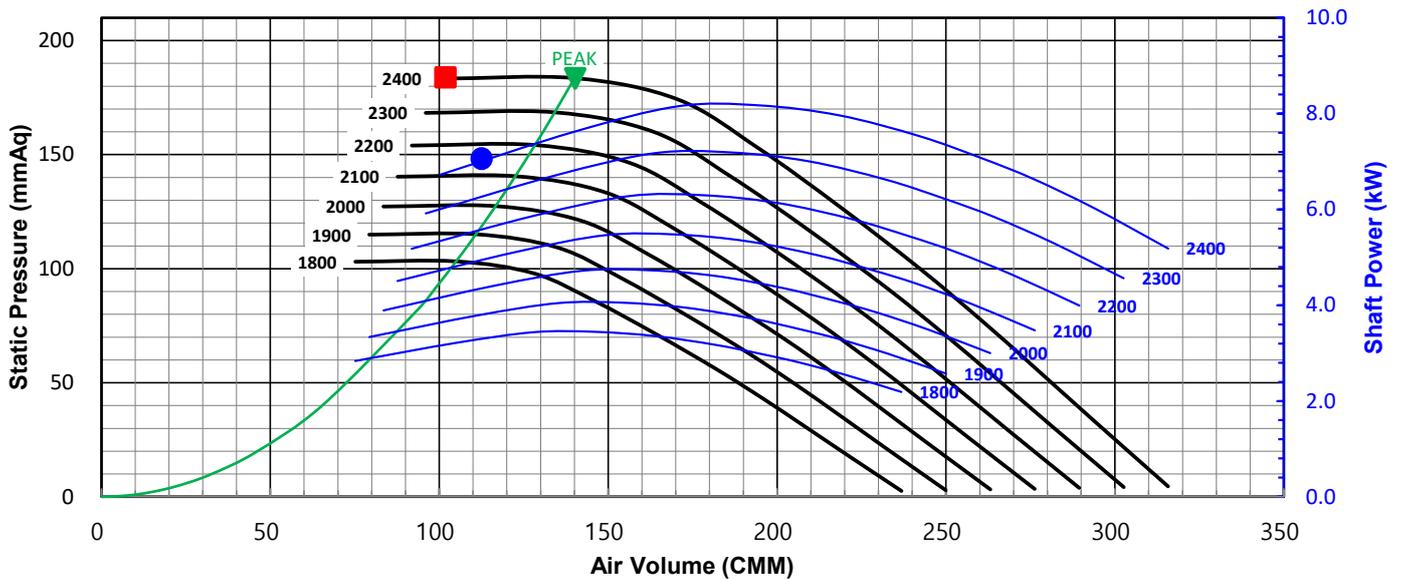
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System range (Maximum rev./min)
 Class-I = 2,469 RPM
 Class-II = 2,895 RPM
 Impeller Diameter : 548 mm.
 Outlet Area. : 0.2341 m²

▼ - Peak Point ■ - Q,Ps ● - Power



1800 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	181.8	66.4	56.1	3.17	52.5%	88
	163.7	79.9	71.6	3.36	56.9%	87
	145.7	92.6	86	3.45	59.2%	87
	128	103	97.9	3.44	59.4%	87
105	106.6	103.2	3.22	54.9%	87	

1900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	191.9	74	62.5	3.73	52.5%	89
	172.8	89	79.8	3.95	56.9%	89
	153.8	103.2	95.8	4.05	59.2%	88
	135.1	114.8	109.1	4.04	59.4%	88
110.8	118.8	115	3.78	54.9%	88	

2000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	202	82	69.3	4.35	52.5%	90
	181.9	98.7	88.4	4.61	56.9%	90
	161.9	114.3	106.2	4.73	59.2%	90
	142.2	127.2	120.9	4.72	59.4%	90
116.6	131.7	127.4	4.41	54.9%	90	

2100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	212.1	90.4	76.4	5.04	52.5%	92
	191.0	108.8	97.5	5.33	56.9%	91
	170.0	126.0	117.1	5.47	59.2%	91
	149.3	140.2	133.3	5.46	59.4%	91
122.5	145.1	140.5	5.11	54.9%	91	

2200 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	222.2	99.2	83.9	5.79	52.5%	93
	200.1	119.4	107	6.13	56.9%	93
	178.1	138.3	128.5	6.29	59.2%	92
	156.4	153.9	146.3	6.28	59.4%	92
128.3	159.3	154.2	5.87	54.9%	92	

2300 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	232.3	108.4	91.7	6.62	52.5%	94
	209.2	130.5	116.9	7.01	56.9%	94
	186.2	151.2	140.4	7.19	59.2%	94
	163.5	168.2	159.9	7.17	59.4%	94
134.1	174.1	168.5	6.71	54.9%	94	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0630 (# 4)

FEG 75



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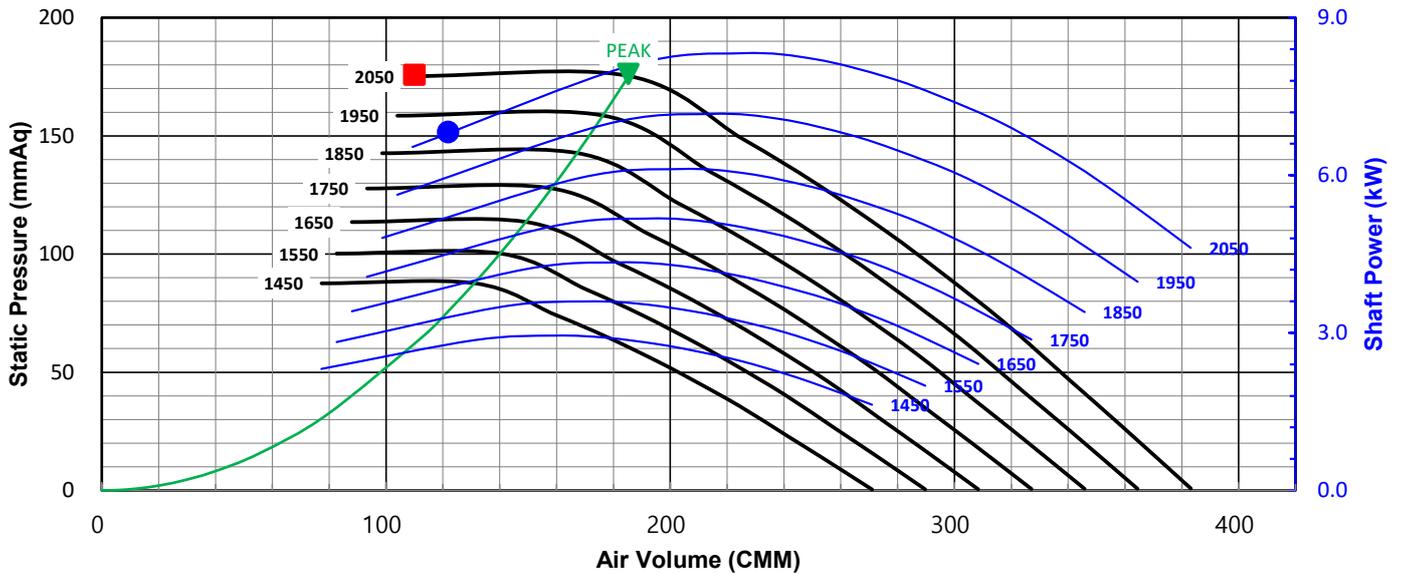
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The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



System range (Maximum rev./min)
 Class-I = 2,155 RPM
 Class-II = 2,483 RPM
 Class-III = 2,910 RPM
 Impeller Diameter : 610 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



1450 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	208.4	55.2	46.4	2.66	59.3%	87
	195.4	62.4	54.6	2.79	62.5%	85
	177.7	71.3	64.9	2.91	64.7%	84
	159.4	79.5	74.4	2.95	65.5%	83
131.1	91.1	87.7	2.86	65.4%	82	

1550 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	222.7	63.1	53	3.25	59.3%	88
	208.8	71.3	62.4	3.4	62.5%	87
	189.9	81.5	74.2	3.55	64.7%	86
	170.3	90.9	85	3.6	65.5%	85
140.1	104.2	100.2	3.49	65.4%	84	

1650 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	237.1	71.5	60.1	3.92	59.3%	89
	222.3	80.8	70.8	4.1	62.5%	88
	202.2	92.4	84.1	4.28	64.7%	87
	181.3	103	96.3	4.34	65.5%	87
149.1	118	113.5	4.21	65.4%	86	

1750 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	251.5	80.4	67.6	4.67	59.3%	91
	235.8	90.9	79.6	4.9	62.5%	90
	214.4	103.9	94.6	5.11	64.7%	89
	192.3	115.9	108.3	5.18	65.5%	88
158.2	132.8	127.7	5.03	65.4%	87	

1850 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	265.8	89.9	75.5	5.52	59.3%	92
	249.3	101.6	89	5.78	62.5%	91
	226.7	116.1	105.7	6.03	64.7%	90
	203.3	129.5	121.1	6.12	65.5%	89
167.2	148.4	142.7	5.94	65.4%	89	

1950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	280.2	99.9	83.9	6.46	59.3%	93
	262.7	112.9	98.9	6.77	62.5%	92
	238.9	129	117.4	7.07	64.7%	91
	214.3	143.9	134.5	7.17	65.5%	91
176.3	164.9	158.6	6.95	65.4%	90	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0680 (# 4 1/2)

FEG 75



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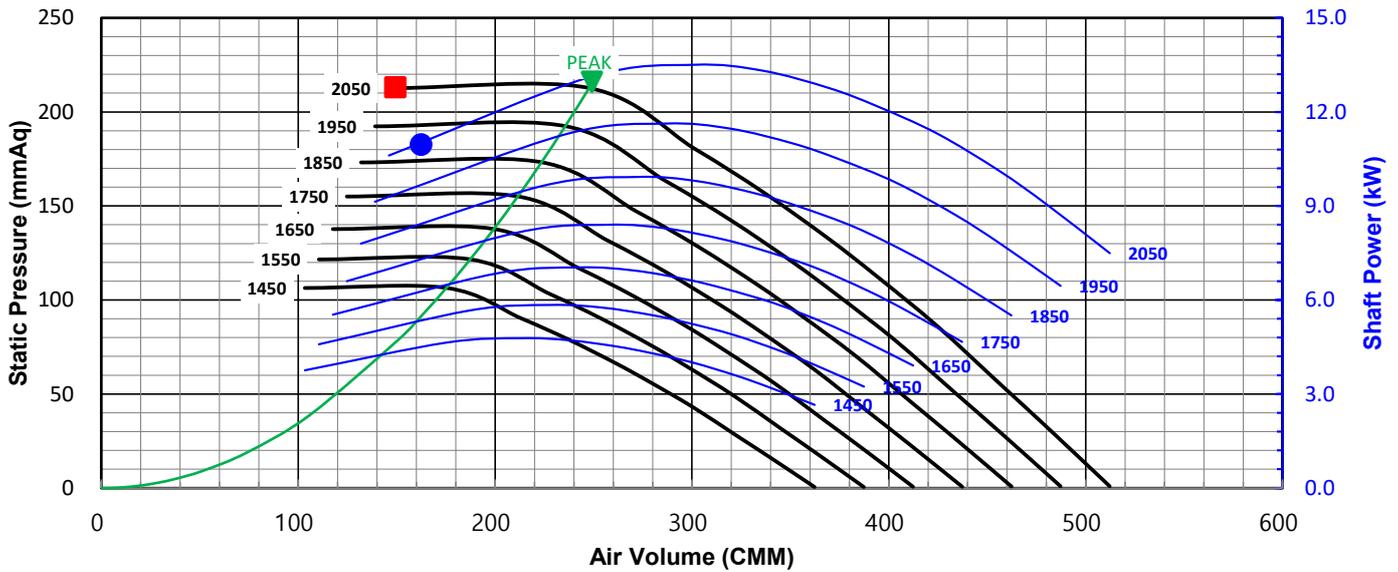
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The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



System range (Maximum rev./min)
 Class-I = 2,015 RPM
 Class-II = 2,300 RPM
 Class-III = 2,643 RPM
 Impeller Diameter : 672 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA	RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)		(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
1450	278.6	72.1	56.3	4.31	59.3%	90	1550	297.8	82.4	64.3	5.27	59.3%	91
	261.2	80.2	66.3	4.52	62.5%	88		279.2	91.6	75.8	5.52	62.5%	90
	237.5	90.2	78.8	4.71	64.7%	87		253.9	103.1	90	5.76	64.7%	89
	213.1	99.5	90.3	4.78	65.5%	86		227.8	113.7	103.2	5.84	65.5%	88
	175.2	112.6	106.4	4.64	65.4%	85		187.3	128.7	121.6	5.67	65.4%	87
1650	317	93.3	72.9	6.35	59.3%	92	1750	336.2	105	82	7.58	59.3%	94
	297.2	103.8	85.9	6.66	62.5%	91		315.2	116.8	96.6	7.94	62.5%	93
	270.3	116.9	102	6.95	64.7%	90		286.7	131.5	114.8	8.29	64.7%	92
	242.5	128.8	116.9	7.04	65.5%	89		257.2	144.9	131.5	8.4	65.5%	91
	199.4	145.8	137.8	6.84	65.4%	89		211.5	164.1	155	8.15	65.4%	90
1850	355.4	117.3	91.7	8.96	59.3%	95	1950	374.6	130.4	101.9	10.49	59.3%	96
	333.3	130.6	108	9.38	62.5%	94		351.3	145.1	120	10.99	62.5%	95
	303.1	146.9	128.3	9.79	64.7%	93		319.5	163.3	142.5	11.46	64.7%	94
	271.9	162	147	9.93	65.5%	92		286.5	180	163.3	11.63	65.5%	94
	223.6	183.4	173.2	9.63	65.4%	91		235.7	203.7	192.4	11.28	65.4%	93

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwoA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0710 (# 5)

FEG 75



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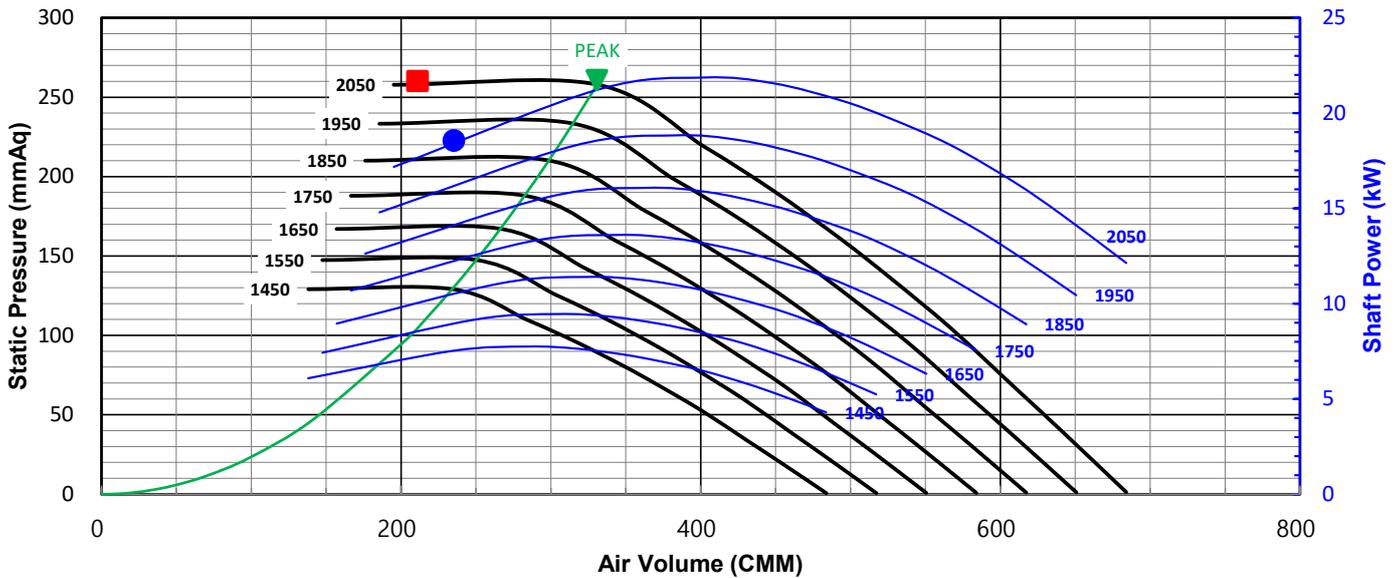
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System range (Maximum rev./min)
 Class-I = 1,829 RPM
 Class-II = 2,087 RPM
 Class-III = 2,398 RPM
 Impeller Diameter : 740 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



1450 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	372	81.3	68.3	6.98	59.3%	92
	348.8	91.9	80.4	7.32	62.5%	91
	317.2	105	95.6	7.63	64.7%	90
	284.5	117.1	109.5	7.74	65.5%	89
234	134.2	129	7.51	65.4%	88	

1550 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	397.7	92.9	78	8.53	59.3%	94
	372.9	105	91.9	8.94	62.5%	93
	339.1	120	109.2	9.32	64.7%	92
	304.1	133.8	125.1	9.45	65.5%	91
250.1	153.3	147.4	9.18	65.4%	90	

1650 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	423.3	105.3	88.4	10.29	59.3%	95
	396.9	119	104.2	10.78	62.5%	94
	361	136	123.8	11.25	64.7%	93
	323.8	151.6	141.8	11.4	65.5%	92
266.3	173.7	167.1	11.07	65.4%	91	

1750 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	449.0	118.4	99.5	12.28	59.3%	97
	421.0	133.8	117.2	12.86	62.5%	96
	382.8	153.0	139.2	13.42	64.7%	95
	343.4	170.6	159.5	13.61	65.5%	94
282.4	195.4	187.9	13.2	65.4%	93	

1850 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	474.6	132.4	111.2	14.5	59.3%	98
	445	149.6	131	15.2	62.5%	97
	404.7	171	155.6	15.85	64.7%	96
	363	190.6	178.2	16.08	65.5%	95
298.6	218.4	210	15.6	65.4%	94	

1950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	500.3	147.1	123.5	16.98	59.3%	99
	469.1	166.2	145.5	17.8	62.5%	98
	426.6	190	172.9	18.56	64.7%	97
	382.7	211.8	198	18.83	65.5%	97
314.7	242.7	233.4	18.27	65.4%	96	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwoA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0800 (# 5 1/2)

FEG 75



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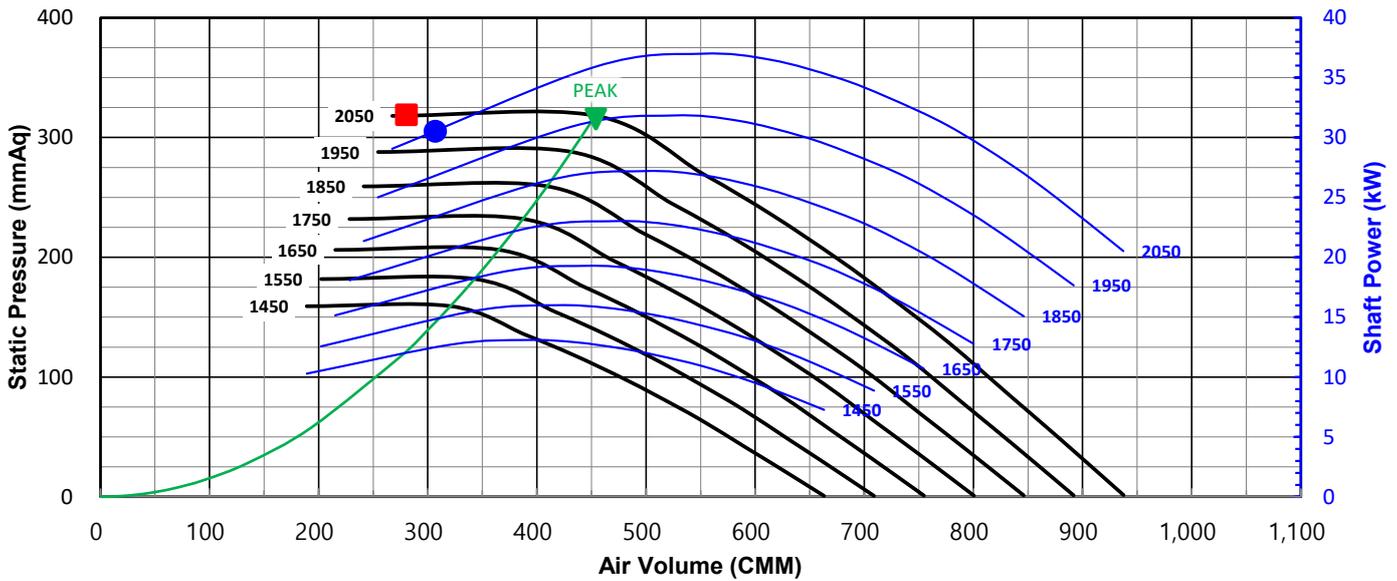
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The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



System range (Maximum rev./min)
 Class-I = 1,647 RPM
 Class-II = 1,807 RPM
 Class-III = 2,115 RPM
 Impeller Diameter : 822 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



1450 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	509.9	100.2	84.3	11.81	59.3%	96
	478.1	113.3	99.3	12.37	62.5%	94
	434.8	129.5	117.9	12.91	64.7%	93
	390	144.4	135.1	13.09	65.5%	92
320.7	165.5	159.2	12.7	65.4%	91	

1550 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	545.1	114.5	96.3	14.43	59.3%	97
	511.1	129.4	113.4	15.12	62.5%	96
	464.8	148	134.8	15.77	64.7%	95
	416.9	165	154.4	15.99	65.5%	94
342.9	189.1	181.9	15.52	65.4%	93	

1650 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	580.2	129.8	109.1	17.4	59.3%	99
	544	146.7	128.6	18.23	62.5%	97
	494.7	167.7	152.7	19.02	64.7%	96
	443.8	187	174.9	19.29	65.5%	96
365	214.3	206.2	18.72	65.4%	95	

1750 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	615.4	146	122.8	20.76	59.3%	100
	577.0	165.0	144.6	21.75	62.5%	99
	524.7	188.7	171.8	22.69	64.7%	98
	470.7	210.4	196.8	23.01	65.5%	97
387.1	241.1	231.9	22.33	65.4%	96	

1850 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	650.6	163.1	137.2	24.53	59.3%	101
	610	184.4	161.6	25.7	62.5%	100
	554.7	210.8	192	26.81	64.7%	99
	497.6	235.1	219.9	27.19	65.5%	99
409.2	269.4	259.2	26.38	65.4%	98	

1950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	685.7	181.3	152.5	28.73	59.3%	102
	643	204.9	179.6	30.1	62.5%	101
	584.7	234.2	213.3	31.39	64.7%	101
	524.5	261.2	244.4	31.84	65.5%	100
431.4	299.4	288	30.9	65.4%	99	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-0900 (# 6)

FEG 71



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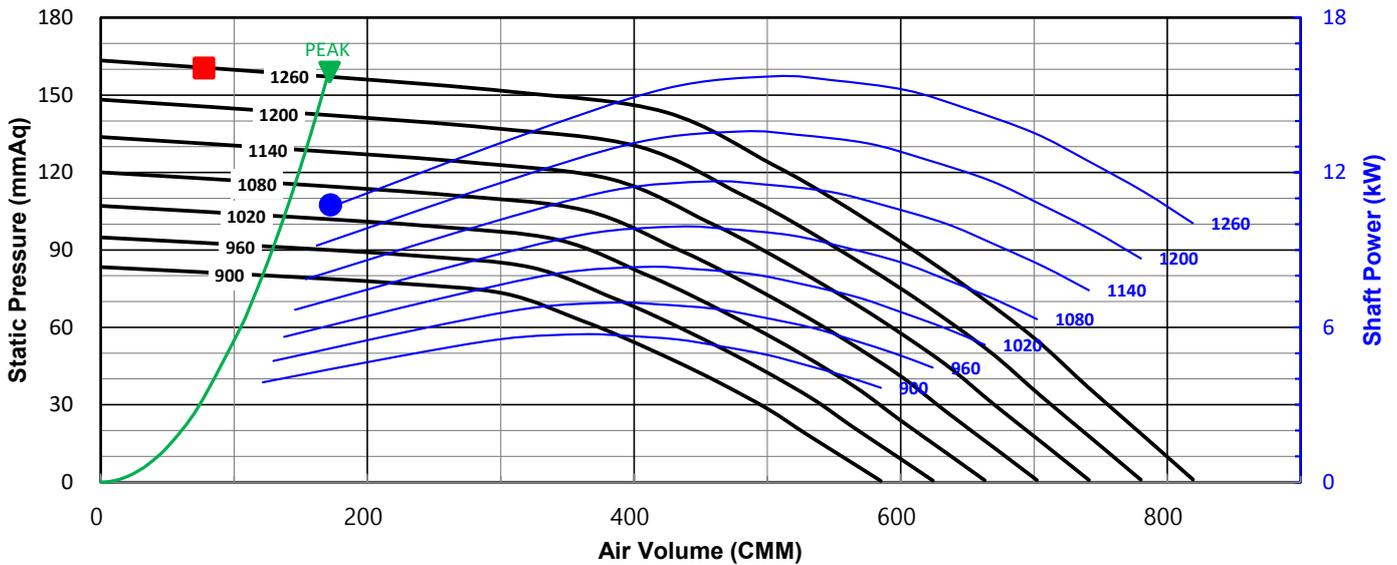
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System range (Maximum rev./min)
 Class-I = 1,413 RPM
 Class-II = 1,552 RPM
 Class-III = 1,923 RPM
 Impeller Diameter : 903 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	463.8	47.6	38.6	5.28	55.3%	89
	431.6	54.6	46.8	5.54	59.4%	88
	392	62.5	56	5.68	63.1%	86
	360.3	68.1	62.7	5.73	64.2%	85
302.5	77	73.1	5.56	64.8%	84	

960 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	494.7	54.2	43.9	6.41	55.3%	90
	460.3	62.1	53.2	6.72	59.4%	89
	418.1	71.1	63.8	6.89	63.1%	88
	384.3	77.5	71.3	6.96	64.2%	87
322.6	87.6	83.2	6.75	64.8%	86	

1020 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	525.6	61.2	49.6	7.68	55.3%	91
	489.1	70.1	60.1	8.06	59.4%	90
	444.2	80.3	72	8.27	63.1%	89
	408.3	87.5	80.5	8.35	64.2%	88
342.8	98.9	93.9	8.09	64.8%	87	

1080 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	556.5	68.6	55.6	9.12	55.3%	93
	517.9	78.6	67.3	9.57	59.4%	92
	470.4	90.0	80.7	9.81	63.1%	91
	432.3	98.2	90.3	9.91	64.2%	90
363.0	110.9	105.3	9.61	64.8%	89	

1140 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	587.4	76.5	62	10.73	55.3%	94
	546.6	87.6	75	11.25	59.4%	93
	496.5	100.3	90	11.54	63.1%	92
	456.3	109.4	100.6	11.65	64.2%	91
383.1	123.5	117.3	11.3	64.8%	90	

1200 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	618.4	84.7	68.7	12.51	55.3%	95
	575.4	97.1	83.2	13.12	59.4%	94
	522.6	111.2	99.7	13.46	63.1%	93
	480.4	121.2	111.5	13.59	64.2%	93
403.3	136.9	130	13.18	64.8%	92	

*Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwoA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-1000 (# 7)

FEG 71



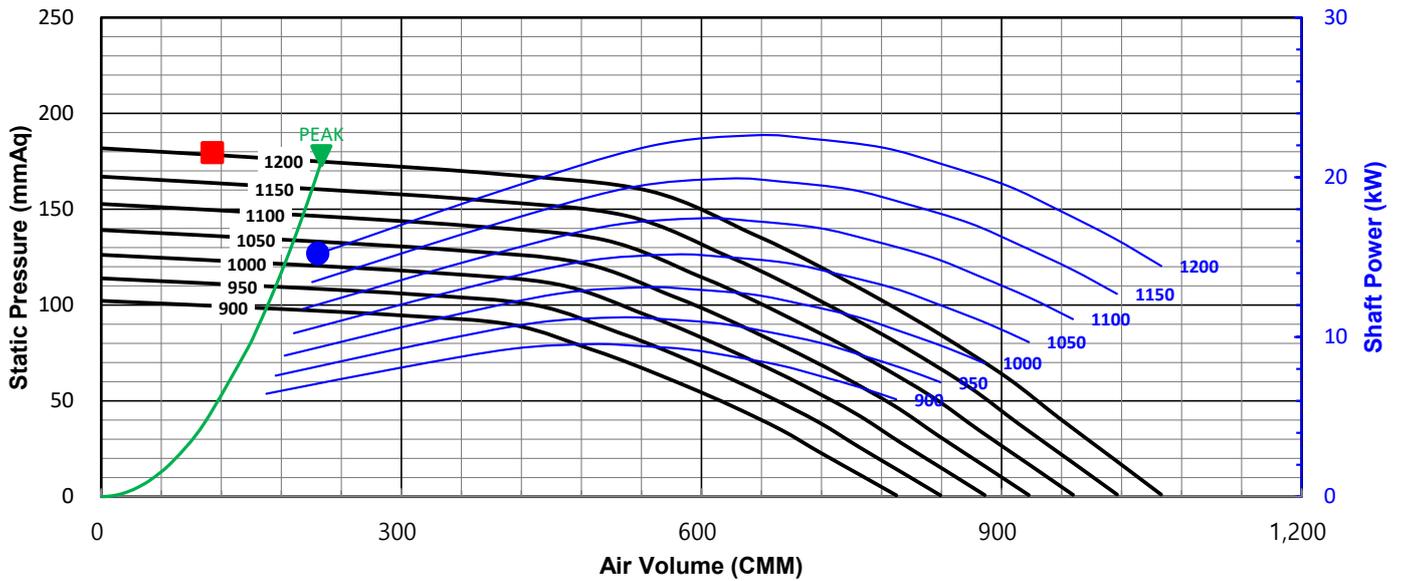
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System range (Maximum rev./min)
 Class-I = 1,344 RPM
 Class-II = 1,497 RPM
 Class-III = 1,639 RPM
 Impeller Diameter : 1000 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	629.8	58.5	47.3	8.79	55.3%	92
	586.1	67	57.3	9.22	59.4%	91
	532.3	76.7	68.7	9.46	63.1%	89
	489.3	83.6	76.9	9.55	64.2%	88
410.8	94.4	89.7	9.26	64.8%	87	

950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	664.8	65.1	52.8	10.34	55.3%	93
	618.7	74.6	63.9	10.85	59.4%	92
	561.9	85.4	76.6	11.12	63.1%	91
	516.5	93.1	85.7	11.23	64.2%	90
433.6	105.2	99.9	10.89	64.8%	89	

1000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	699.8	72.2	58.5	12.06	55.3%	94
	651.2	82.7	70.8	12.65	59.4%	93
	591.5	94.7	84.9	12.97	63.1%	92
	543.6	103.2	94.9	13.1	64.2%	91
456.4	116.6	110.7	12.7	64.8%	90	

1050 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	734.8	79.6	64.5	13.96	55.3%	95
	683.8	91.2	78.1	14.64	59.4%	94
	621.1	104.4	93.6	15.02	63.1%	93
	570.8	113.8	104.7	15.16	64.2%	92
479.3	128.5	122.1	14.7	64.8%	91	

1100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	769.8	87.3	70.7	16.05	55.3%	96
	716.4	100.1	85.7	16.84	59.4%	95
	650.6	114.6	102.7	17.27	63.1%	94
	598	124.9	114.9	17.43	64.2%	93
502.1	141	134	16.9	64.8%	92	

1150 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	804.8	95.5	77.3	18.34	55.3%	97
	748.9	109.4	93.7	19.24	59.4%	96
	680.2	125.2	112.3	19.73	63.1%	95
	625.2	136.5	125.6	19.92	64.2%	95
524.9	154.2	146.5	19.32	64.8%	94	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-1120 (# 8)

FEG 71



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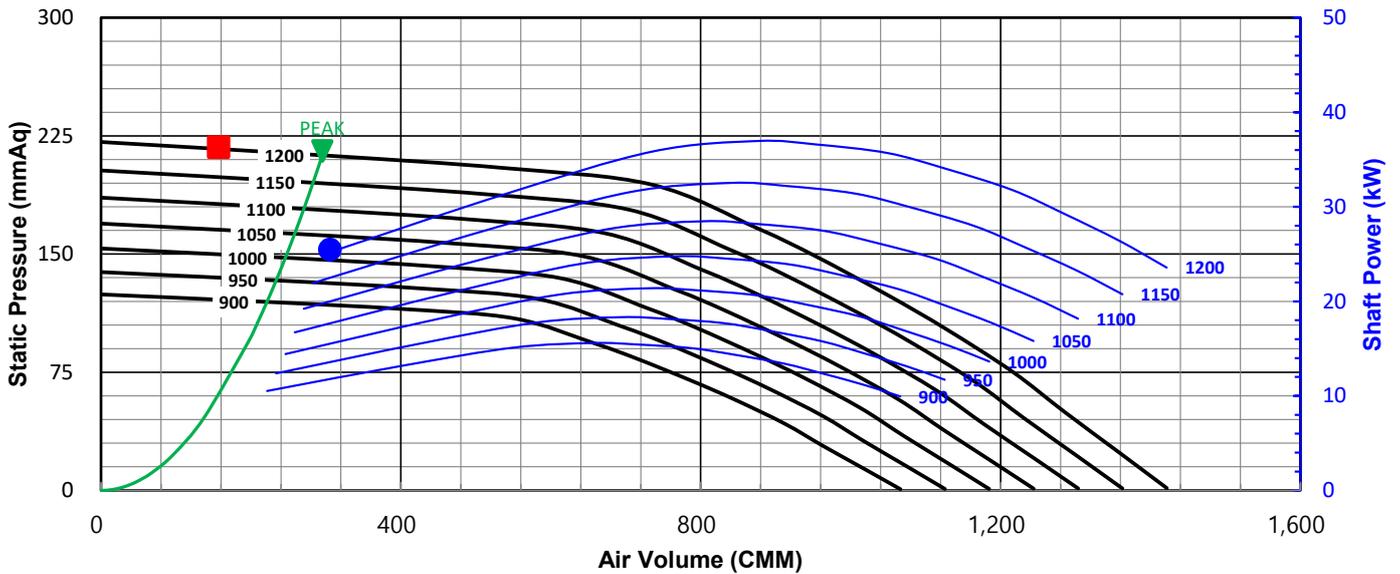
BnC Company Limited certifies that the **BPF Series Centrifugal Airfoil Plenum Fans** shown herein are licensed to bear the AMCA Seal.

The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



System range (Maximum rev./min)
 Class-I = 903 RPM
 Class-II = 1,179 RPM
 Class-III = 1,486 RPM
 Impeller Diameter : 1103 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	845.2	71.2	57.6	14.35	55.3%	95
	786.5	81.5	69.8	15.06	59.4%	94
	714.4	93.3	83.7	15.44	63.1%	92
	656.6	101.7	93.5	15.59	64.2%	91
551.3	114.9	109.1	15.12	64.8%	90	

950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	892.2	79.3	64.2	16.88	55.3%	96
	830.2	90.8	77.8	17.71	59.4%	95
	754.1	104	93.2	18.16	63.1%	94
	693.1	113.4	104.2	18.33	64.2%	93
581.9	128	121.6	17.78	64.8%	92	

1000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	939.1	87.9	71.1	19.69	55.3%	97
	873.9	100.7	86.2	20.65	59.4%	96
	793.7	115.3	103.3	21.18	63.1%	95
	729.6	125.6	115.5	21.38	64.2%	94
612.5	141.8	134.7	20.74	64.8%	93	

1050 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	986.1	96.9	78.4	22.79	55.3%	98
	917.6	111.0	95	23.91	59.4%	97
	833.4	127.1	113.9	24.52	63.1%	96
	766.0	138.5	127.3	24.75	64.2%	95
643.1	156.4	148.5	24	64.8%	94	

1100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1033.1	106.4	86.1	26.2	55.3%	99
	961.3	121.8	104.3	27.49	59.4%	98
	873.1	139.5	125	28.19	63.1%	97
	802.5	152	139.8	28.46	64.2%	96
673.8	171.6	163	27.6	64.8%	95	

1150 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1080	116.2	94.1	29.94	55.3%	100
	1005	133.1	114	31.41	59.4%	99
	912.8	152.4	136.6	32.21	63.1%	98
	839	166.1	152.8	32.52	64.2%	98
704.4	187.6	178.2	31.54	64.8%	97	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-1250 (# 9)

FEG 71



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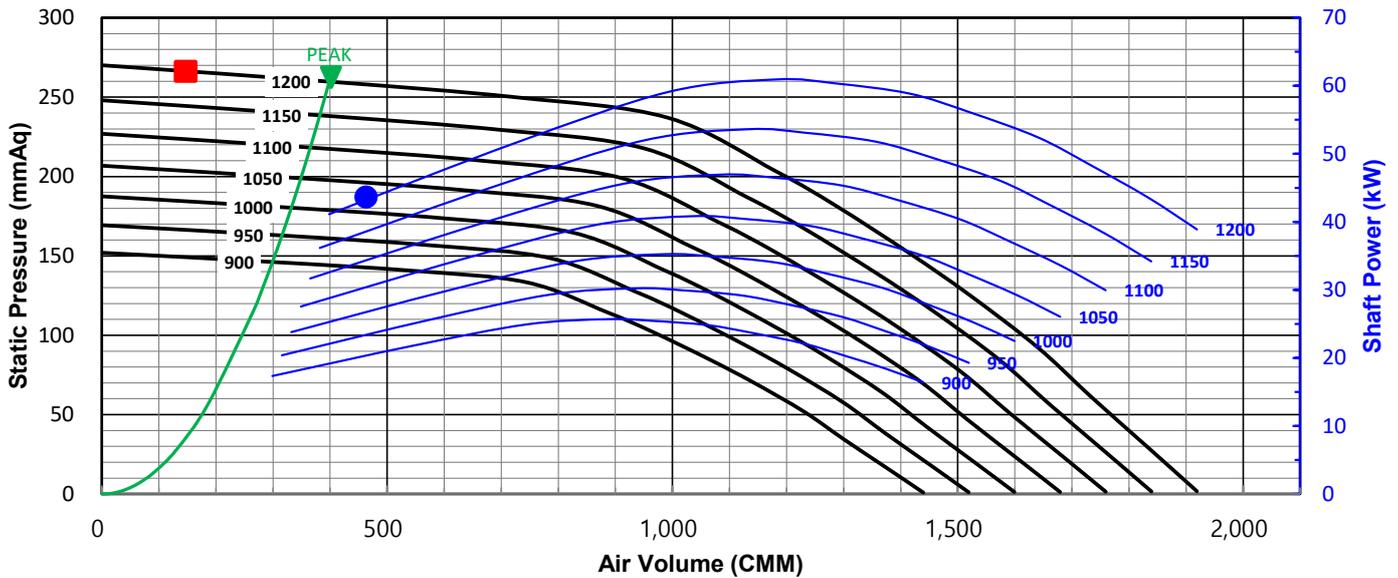
BnC Company Limited certifies that the **BPF Series Centrifugal Airfoil Plenum Fans** shown herein are licensed to bear the AMCA Seal.

The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



System range (Maximum rev./min)
 Class-I = 817 RPM
 Class-II = 1,066 RPM
 Class-III = 1,344 RPM
 Impeller Diameter : 1219 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1140.9	86.9	70.4	23.66	55.3%	98
	1061.7	99.6	85.2	24.82	59.4%	97
	964.3	114	102.2	25.46	63.1%	95
	886.3	124.3	114.3	25.7	64.2%	94
744.1	140.3	133.3	24.92	64.8%	93	

950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1204.3	96.8	78.4	27.83	55.3%	99
	1120.7	110.9	95	29.19	59.4%	98
	1017.9	127	113.9	29.94	63.1%	97
	935.6	138.4	127.3	30.23	64.2%	96
785.5	156.3	148.5	29.31	64.8%	95	

1000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1267.7	107.3	86.9	32.46	55.3%	100
	1179.7	122.9	105.2	34.05	59.4%	99
	1071.4	140.7	126.2	34.92	63.1%	98
	984.8	153.4	141.1	35.26	64.2%	97
826.8	173.2	164.6	34.19	64.8%	96	

1050 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1331.1	118.3	95.8	37.57	55.3%	101
	1238.7	135.5	116	39.42	59.4%	100
	1125.0	155.2	139.1	40.42	63.1%	99
	1034.0	169.1	155.6	40.81	64.2%	98
868.2	191	181.4	39.57	64.8%	97	

1100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1394.5	129.9	105.2	43.2	55.3%	102
	1297.7	148.8	127.4	45.32	59.4%	101
	1178.6	170.3	152.7	46.48	63.1%	100
	1083.3	185.6	170.7	46.93	64.2%	99
909.5	209.6	199.1	45.5	64.8%	98	

1150 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1457.9	141.9	114.9	49.36	55.3%	103
	1356.7	162.6	139.2	51.79	59.4%	102
	1232.2	186.2	166.9	53.11	63.1%	101
	1132.5	202.9	186.6	53.62	64.2%	101
950.8	229.1	217.6	51.99	64.8%	100	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-1400 (# 10)

FEG 71



BnC Co., Ltd.



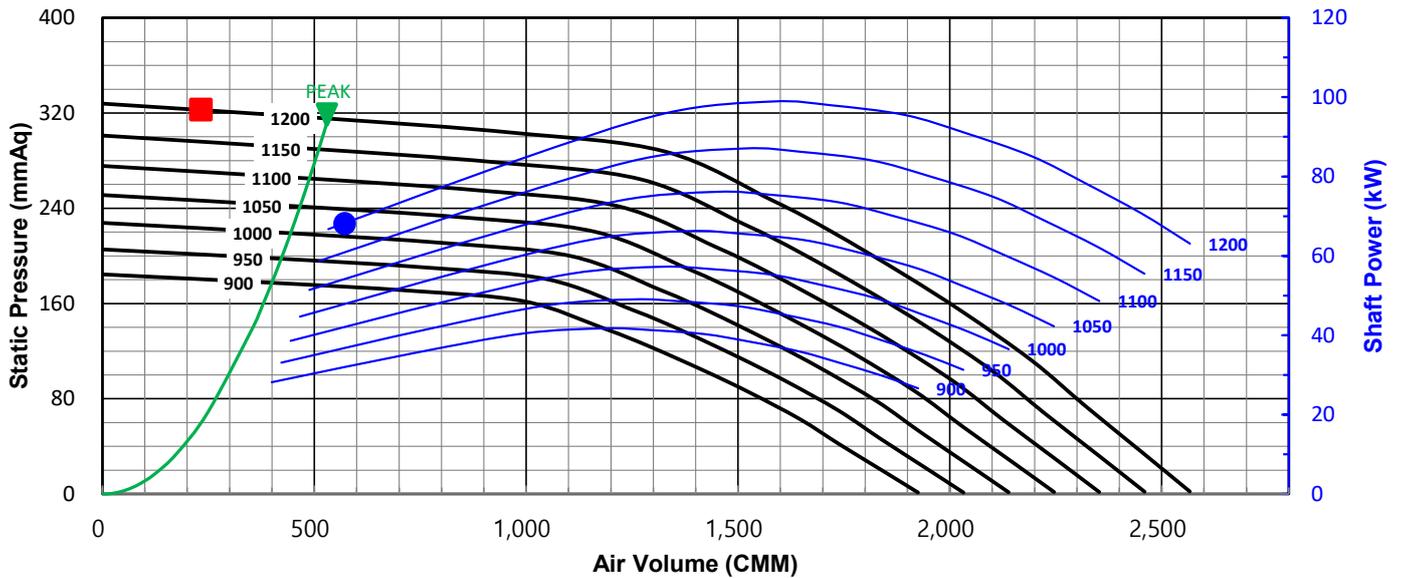
BnC Company Limited certifies that the **BPF Series Centrifugal Airfoil Plenum Fans** shown herein are licensed to bear the AMCA Seal.

The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



System range (Maximum rev./min)
 Class-I = 742 RPM
 Class-II = 968 RPM
 Class-III = 1,221 RPM
 Impeller Diameter : 1343 mm.

▼ - Peak Point ■ - Q,Ps ● - Power



900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1525.7	105.6	85.4	38.41	55.3%	101
	1419.8	120.9	103.5	40.29	59.4%	100
	1289.5	138.4	124	41.32	63.1%	98
	1185.3	150.9	138.7	41.72	64.2%	97
995.1	170.4	161.8	40.45	64.8%	96	

950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1610.5	117.7	95.2	45.17	55.3%	102
	1498.7	134.8	115.3	47.39	59.4%	101
	1361.2	154.3	138.2	48.59	63.1%	100
	1251.1	168.1	154.6	49.06	64.2%	99
1050.4	189.8	180.3	47.58	64.8%	98	

1000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1695.3	130.4	105.5	52.68	55.3%	103
	1577.6	149.3	127.8	55.27	59.4%	102
	1432.8	170.9	153.1	56.68	63.1%	101
	1317	186.3	171.3	57.23	64.2%	100
1105.7	210.3	199.7	55.49	64.8%	99	

1050 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1780.0	143.7	116.3	60.99	55.3%	104
	1656.5	164.6	140.9	63.98	59.4%	103
	1504.5	188.5	168.8	65.61	63.1%	102
	1382.8	205.4	188.8	66.25	64.2%	101
1161.0	231.9	220.2	64.24	64.8%	100	

1100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1864.8	157.8	127.6	70.12	55.3%	105
	1735.3	180.7	154.6	73.56	59.4%	104
	1576.1	206.8	185.3	75.44	63.1%	103
	1448.7	225.4	207.2	76.17	64.2%	102
1216.2	254.5	241.7	73.86	64.8%	101	

1150 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	1949.6	172.4	139.5	80.13	55.3%	106
	1814.2	197.5	169	84.06	59.4%	105
	1647.8	226.1	202.6	86.2	63.1%	104
	1514.5	246.4	226.5	87.03	64.2%	103
1271.5	278.2	264.2	84.39	64.8%	103	

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

BPF-1600 (# 11)

FEG 71



BnC Co., Ltd.



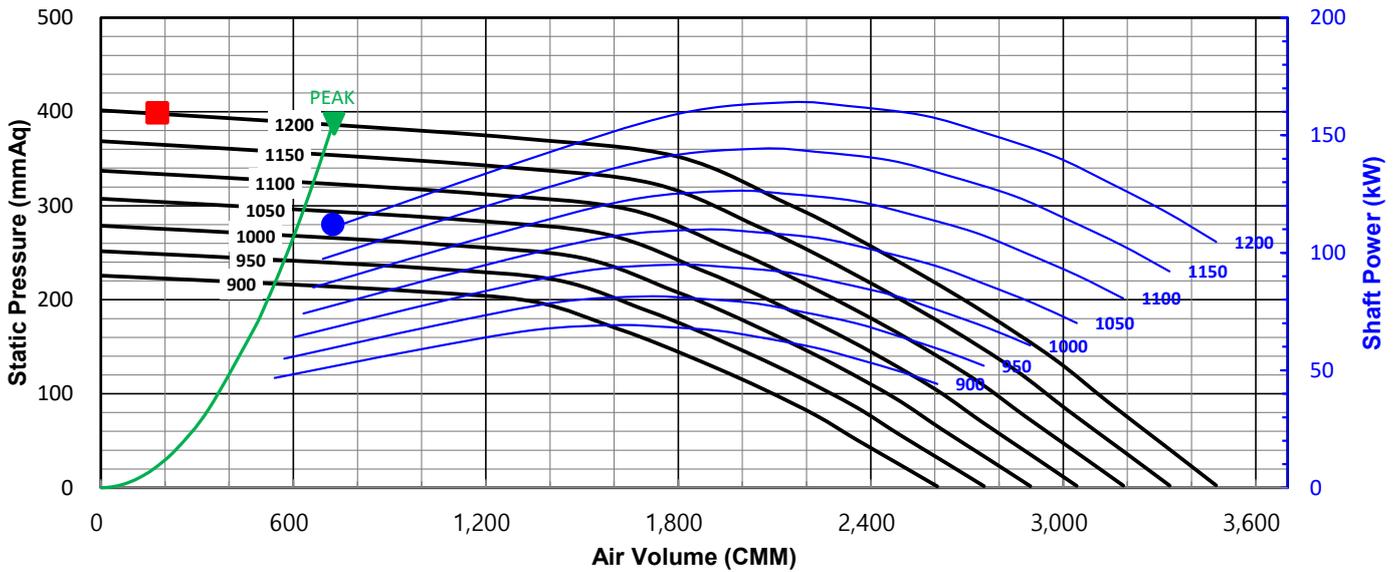
BnC Company Limited certifies that the **BPF Series Centrifugal Airfoil Plenum Fans** shown herein are licensed to bear the AMCA Seal.

The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



System range (Maximum rev./min)
 Class-I = 670 RPM
 Class-II = 875 RPM
 Class-III = 1,103 RPM
 Impeller Diameter : 1486 mm.

▼ - Peak Point ■ - Q,P_s ● - Power



900 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	2066.9	129.2	104.6	63.7	55.3%	104
	1923.4	148	126.7	66.82	59.4%	103
	1746.9	169.4	151.9	68.53	63.1%	101
	1605.6	184.7	169.8	69.19	64.2%	100
	1348	208.6	198.1	67.09	64.8%	99

950 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	2181.7	144	116.6	74.91	55.3%	105
	2030.2	164.9	141.2	78.59	59.4%	104
	1843.9	188.8	169.2	80.59	63.1%	103
	1694.8	205.8	189.2	81.37	64.2%	102
	1422.9	232.4	220.7	78.9	64.8%	101

1000 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	2296.5	159.5	129.2	87.38	55.3%	106
	2137.1	182.7	156.4	91.66	59.4%	105
	1941	209.2	187.5	94	63.1%	104
	1784	228	209.7	94.91	64.2%	103
	1497.8	257.5	244.6	92.03	64.8%	102

1050 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	2411.4	175.9	142.4	101.15	55.3%	107
	2243.9	201.5	172.5	106.11	59.4%	106
	2038.1	230.6	206.7	108.82	63.1%	105
	1873.2	251.4	231.2	109.87	64.2%	104
	1572.7	283.9	269.6	106.54	64.8%	103

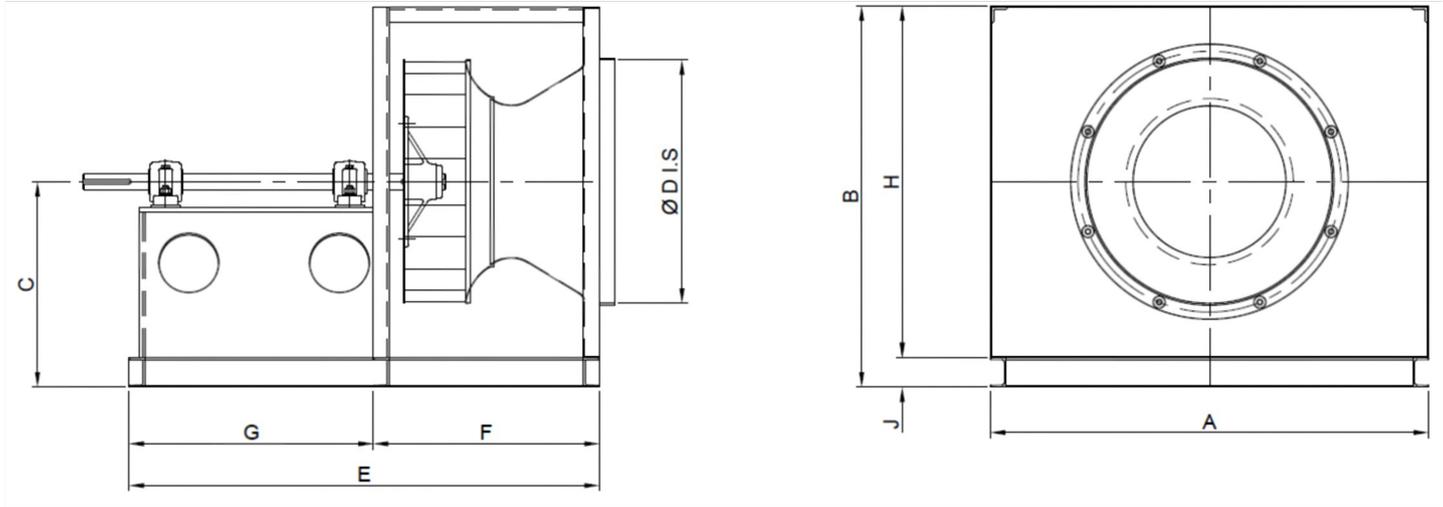
1100 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	2526.2	193	156.3	116.3	55.3%	108
	2350.8	221.1	189.3	122.01	59.4%	107
	2135.1	253.1	226.9	125.11	63.1%	106
	1962.4	275.9	253.7	126.32	64.2%	105
	1647.6	311.6	295.9	122.49	64.8%	104

1150 RPM	Q	Pt	Ps	S.Pow	To. Eff	LwA
	(m ³ /min)	(mmAq)	(mmAq)	(kW)	(%)	(dB)
	2641	211	170.8	132.89	55.3%	109
	2457.7	241.7	206.9	139.41	59.4%	108
	2232.2	276.7	248	142.96	63.1%	107
	2051.6	301.6	277.3	144.35	64.2%	107
	1722.5	340.5	323.5	139.96	64.8%	106

※ Power rating (kW) does not include transmission losses.
 Performance certified is for installation type A – free inlet, free outlet with partition. Power rating (kW) does not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories). Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

Plenum Airfoil Fan BPF Series

수평형 외형도면 (Horizontal Type Out-line Drawing)



No	Model No.	A	B	C	D	E	F	G	H	J
1	BPF-0400 (# 2 3/4)	750	675	375	415	990	410	580	600	75
2	BPF-0450 (# 3)	825	735	405	456	1075	445	630	660	75
3	BPF-0500 (# 3 1/2)	915	805	440	505	1135	485	650	730	75
4	BPF-0560 (# 3 3/4)	1000	875	475	553	1100	420	680	800	75
5	BPF-0630 (# 4)	1110	965	520	616	1300	570	730	890	75
6	BPF-0680 (# 4 1/2)	1225	1055	565	678	1360	620	740	980	75
7	BPF-0710 (# 5)	1350	1180	640	747	1365	595	770	1080	100
8	BPF-0800 (# 5 1/2)	1500	1300	700	830	1555	765	790	1200	100
9	BPF-0900 (# 6)	1650	1420	760	905	1640	830	810	1320	100
10	BPF-1000 (# 7)	1825	1585	855	1010	1775	925	850	1460	125
11	BPF-1120 (# 8)	2010	1735	930	1113	1865	1005	860	1610	125
12	BPF-1250 (# 9)	2225	1905	1015	1230	1990	1100	890	1780	125
13	BPF-1400 (# 10)	2450	2085	1105	1356	2200	1200	1000	1960	125
14	BPF-1600 (# 11)	2710	2295	1210	1487	2360	1320	1040	2170	125

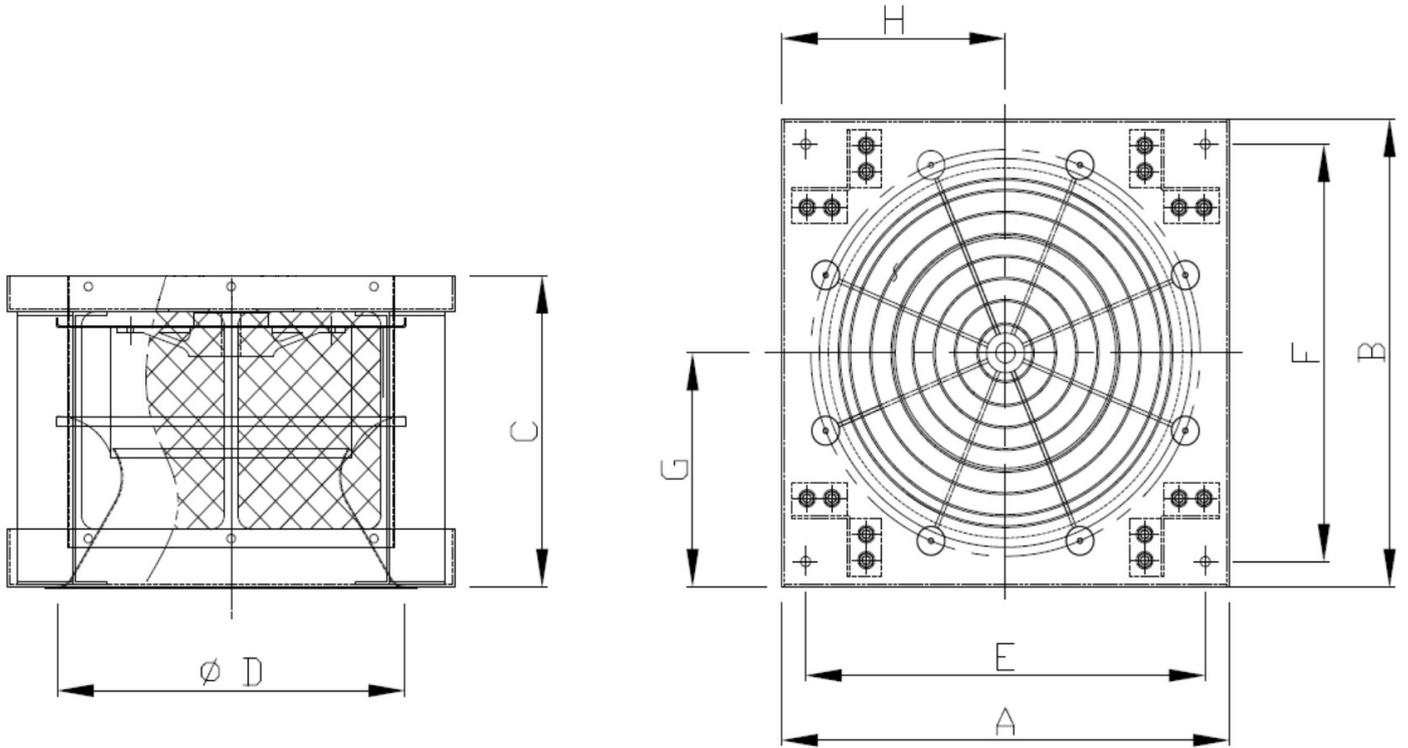
- NOTE -

Custom-made 제품은 적용 전 반드시 당사 영업/기술부와 협의를 부탁드립니다.

상기 치수는 제품의 개선으로 사전 예고 없이 변경 될 수 있으며, 당사 기술/영업부의 별도 승인 후 적용 바랍니다.

Plenum Airfoil Fan BPF Series

수직형 외형도면 (Vertical Type Out-line Drawing)



No	Model No.	A	B	C	D	E	F	G	H
1	BPF-0400 (# 2 3/4)	298	600	360	415	270	270	300	300
2	BPF-0450 (# 3)	328	660	390	456	300	300	330	330
3	BPF-0500 (# 3 1/2)	363	730	425	505	335	335	365	365
4	BPF-0560 (# 3 3/4)	398	800	460	553	370	370	400	400
5	BPF-0630 (# 4)	443	890	510	616	405	405	445	445
6	BPF-0680 (# 4 1/2)	488	980	560	678	450	450	490	490
7	BPF-0710 (# 5)	538	1080	610	747	500	500	540	540
8	BPF-0800 (# 5 1/2)	598	1200	675	830	560	560	600	600
9	BPF-0900 (# 6)	658	1320	740	905	610	610	660	660
10	BPF-1000 (# 7)	728	1460	810	1010	680	680	730	730
11	BPF-1120 (# 8)	803	1610	890	1113	755	755	805	805
12	BPF-1250 (# 9)	888	1780	875	1230	840	840	890	890
13	BPF-1400 (# 10)	978	1960	1070	1356	930	930	980	980
14	BPF-1600 (# 11)	1083	2170	1180	1487	1035	1035	1085	1085

- NOTE -

Custom-made 제품은 적용 전 반드시 당사 영업/기술부와 협의를 부탁드립니다.

상기 치수는 제품의 개선으로 사전 예고 없이 변경 될 수 있으며, 당사 기술/영업부의 별도 승인 후 적용 바랍니다.



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