

Bulletin
No.: BRV-001
Aug. 2020



Centrifugal Roof Ventilator

FAN & BLOWER SYSTEM



주식회사 **BnC**



신뢰할 수 있는 기술과, 기본에 충실한 품질로
최고의 가치를 실현합니다.



Index

1.기술 현황

2.제품 특징

3.Performance

4.Out-line Drawing





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 품질시스템에 대한 제 3 자 심사 및 등록제도입니다.



AMCA SEAL

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



고효율기자재

고효율 기자재 인증

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

BnC 인증 제품 (2020 년 08월 현재)

BFD-0450 (# 3 DS) BFS-0450 (# 3 SS)

BFD-0900 (# 6 DS) BFS-0900 (# 6 SS)



한국설비기술협회(KARSE) 단체표준 인증

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

강한 내구성과 높은 효율, 저소음을 실현한 BnC Centrifugal Roof Ventilator

Power Roof Ventilator

고효율, 저소음, 강한 내구성

Airfoil 형상의 익형 Blade 적용으로 작은 동력으로 효율이 높고, 운전 소음이 낮은 송풍기입니다.

유선형의 Inlet Cone 과 Wheel cone 사용으로 최적의 기류를 형성합니다.

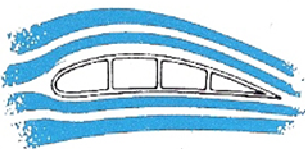
견고한 용접구조와 엄선한 볼 및 롤러 베어링을 사용하여 장시간 연속 운전에도 신뢰성이 높은 운전이 가능합니다



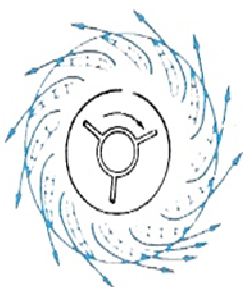
Wheel Dia. 300~2,000 mm

풍량 (m^3/min)	토출 속도 (m/s)	정압 (mmAq)
30	5	20
~	~	~
2,000	30	100

뛰어난 성능의 WHEEL



상/하 익형 적용으로
최상의 기류를 형성 합니다.



이상적인 블레이드의 배치로,
회전 시 와류 현상 및 소음의
최소 화를 실현하였습니다.



스피닝된 유선형의 Wheel Cone 및 Inlet Cone 의 적용으로 보다
높은 효율과 안정적인 기류공급이 되도록 제작 되었습니다.

2. 제품 특징



검증된 성능

당사는 본 카탈로그에서 보여지는 CENTRIFUGAL ROOF VENTILATION의 제품에 관하여 AMCA SEAL (Sound & Performance)를 사용하도록 승인되었습니다.

본 카탈로그의 성능평가는 AMCA Standard 211과 동일하게 시행된 TEST 와 절차에 의거하였으며, AMCA 보증평가 프로그램과 일치 합니다.

다양한 호환성

BRV Series



BFS Series



BRS Series



not certificated model

다양한 Accessory



Damper



Motor Air Vent



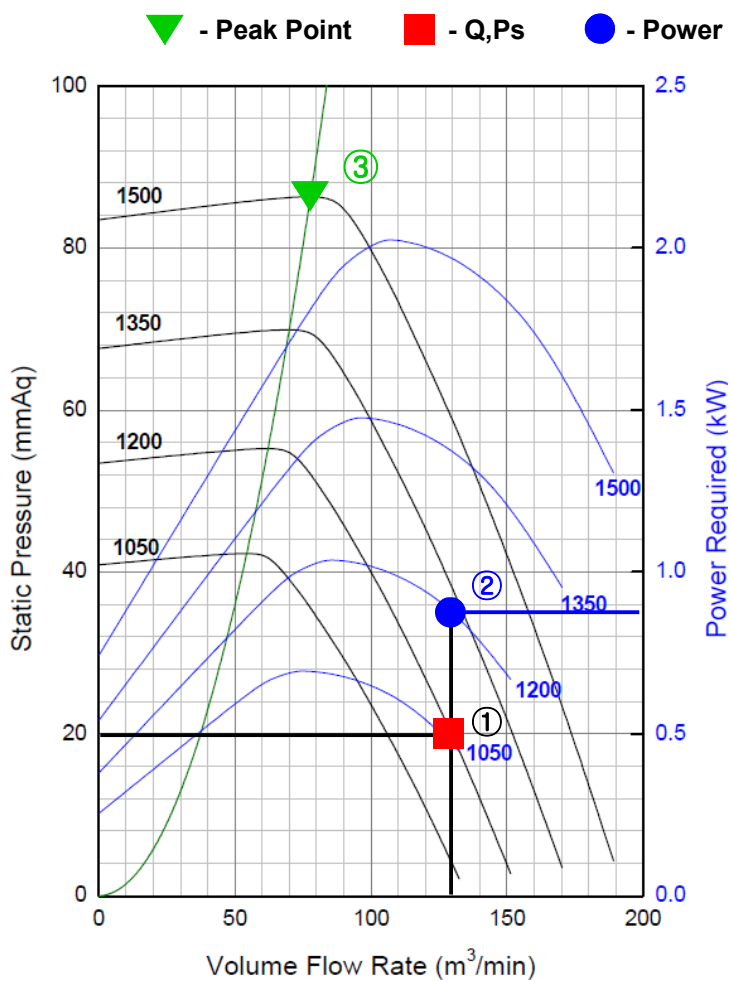
Disconnect Switch

팬 선정방법 (Fan Selection Guide)

각 페이지는 하나의 팬 구격에 대한 모든 성능, 정압, 동력, 소음 등의 데이터가 수록 되어 있습니다.
그림-1 은 BRV-0560 (# 3 3/4) 의 성능 곡선의 표시방법에 대한 설명 입니다.

※ 풍량 : 130 CMM, 정압 : 20 mmAq

1. (흑색) - 제품의 1,200 RPM 회전 시 시스템커브를 표기 합니다.
2. (청색) - 제품의 1,200 RPM 회전 시 축 동력을 표기 합니다.
3. (녹색) - 각 시스템커브의 최대 사용가능 정압 범위를 표기합니다.



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 (%)
Total Eff.	- Total Efficiency (%)
LwiA	- Sound Power Level (dBA)

< 그림 - 1 >

	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
1200 PRM	158	55	52	2.19	62.8	64.8	83
	138	65	64	2.25	64.7	66.1	83
	129	71	69	2.26	65.0	66.0	82
	123	73	72	2.26	64.6	65.5	82
	107	81	80	2.18	64.4	65.0	82

BRV-0560 (# 3 3/4)



BnC Co., Ltd.

Centrifugal Power Roof Ventilator



BnC Company Limited.
Certifies that the fans shown hereon are
licensed to bear the AMCA Seal.
The ratings shown are based on test and
procedures performed in accordance with
AMCA Publication. 211, 311 and comply with
the requirements of the AMCA Certified.
Rating Program.

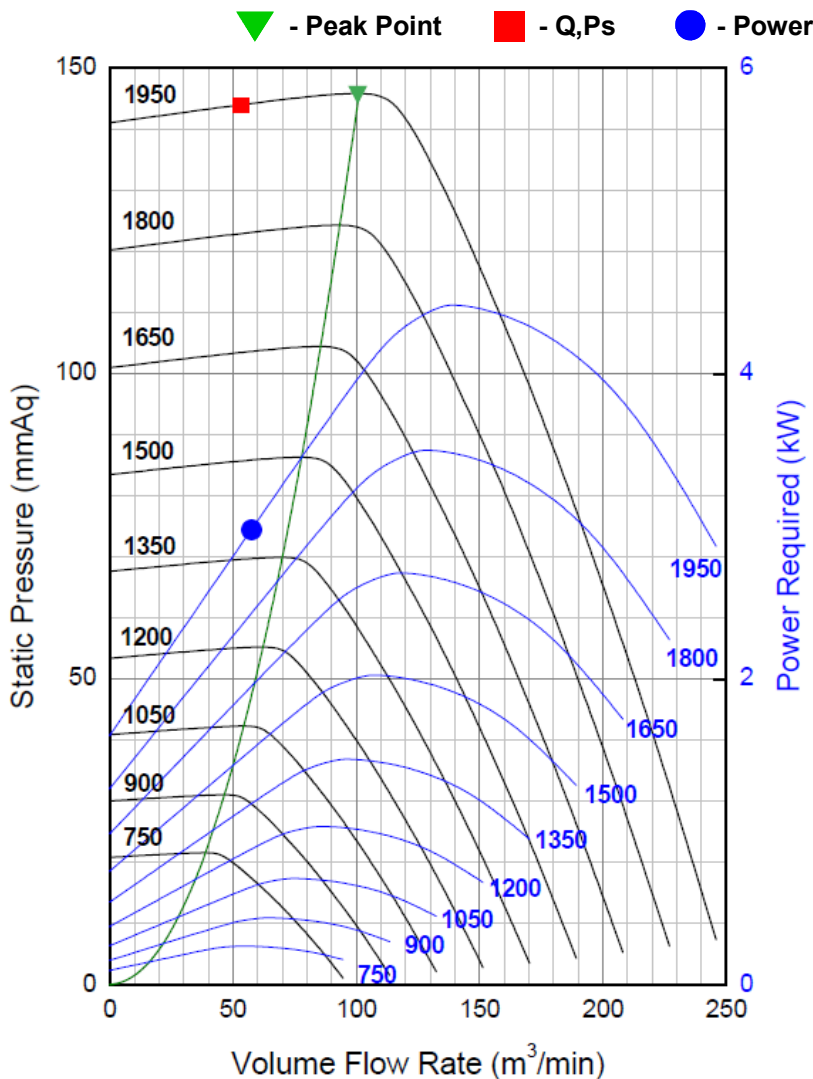
System range.(Maximum REV./Min)

Class- I = 2,469 RPM

Class- II = 2,895 RPM

Impeller Diameter : 548 mm.

Outlet Area. : 0.406 m²



900 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	79	21	20	0.43	62.8	64.8	71
	69	25	24	0.44	64.7	66.1	71
	64	27	26	0.44	65.0	66.0	70
	61	28	28	0.44	64.6	65.5	70
	53	31	30	0.43	64.4	65.0	70

1200 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	106	38	36	1.01	62.8	64.8	80
	93	45	44	1.04	64.7	66.1	79
	86	49	47	1.04	65.0	66.0	79
	82	51	49	1.04	64.6	65.5	79
	71	56	55	1.01	64.4	65.0	79

1500 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	132	59	56	1.97	62.8	64.8	86
	116	70	68	2.02	64.7	66.1	86
	108	76	74	2.03	65.0	66.0	85
	103	79	77	2.03	64.6	65.5	85
	89	87	85	1.96	64.4	65.0	85

1050 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	92	29	27	0.68	62.8	64.8	75
	81	34	33	0.70	64.7	66.1	75
	75	37	36	0.70	65.0	66.0	75
	72	39	38	0.70	64.6	65.5	75
	62	43	42	0.68	64.4	65.0	74

1350 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	119	48	46	1.44	62.8	64.8	83
	104	57	55	1.48	64.7	66.1	83
	97	62	60	1.48	65.0	66.0	83
	92	64	63	1.48	64.6	65.5	83
	80	70	69	1.43	64.4	65.0	83

1650 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	146	71	68	2.62	62.8	64.8	88
	127	85	83	2.69	64.7	66.1	88
	118	92	90	2.70	65.0	66.0	88
	113	95	94	2.70	64.6	65.5	88
	98	105	104	2.61	64.4	65.0	87

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

The AMCA Certified Ratings Seal does not apply to efficiency ratings.

BRV-0630 (# 4)



BnC Co., Ltd.

▼ - Peak Point ■ - Q,Ps ● - Power

Centrifugal Power Roof Ventilator



BnC Company Limited.

Certifies that the fans shown hereon are licensed to bear the AMCA Seal.

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

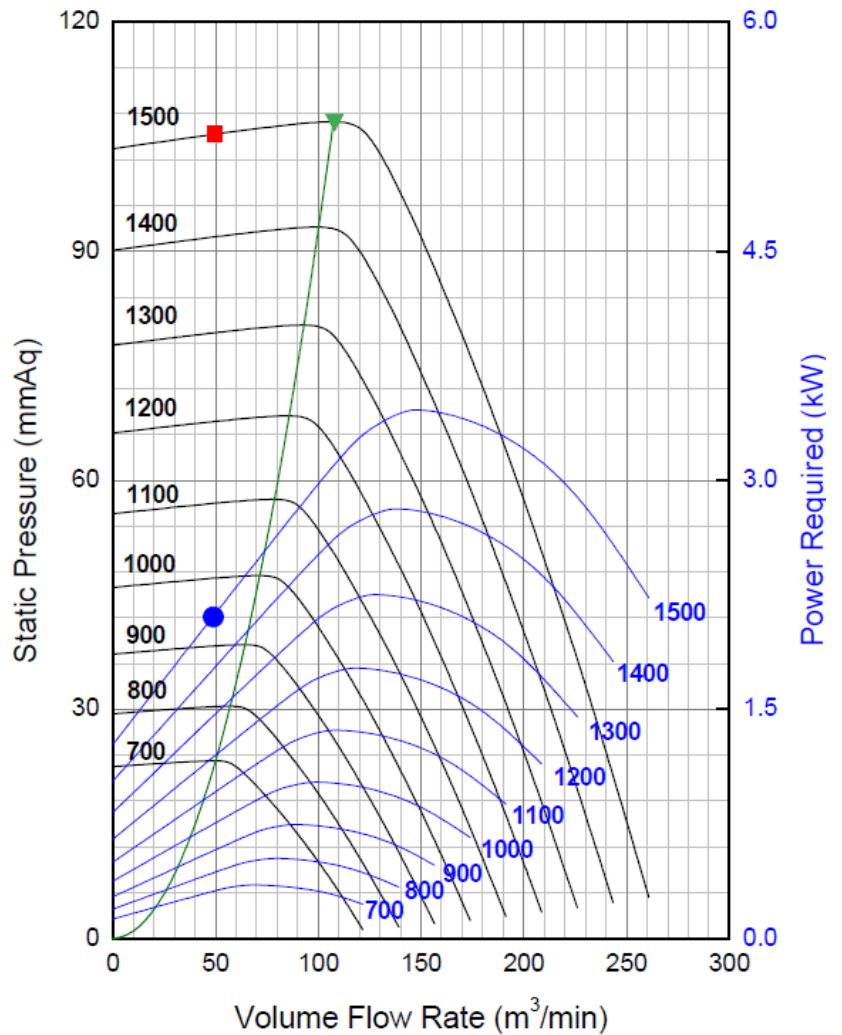
System range.(Maximum REV./Min)

Class- I = 2,155 RPM

Class- II = 2,483 RPM

Impeller Diameter : 610 mm.

Outlet Area. : 0.504 m²



800 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	97	21	20	0.51	62.8	64.8	71
	85	25	24	0.53	64.7	66.1	71
	79	27	26	0.53	65.0	66.0	70
	75	28	27	0.53	64.6	65.5	70
	66	31	30	0.51	64.4	65.0	70

900 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	109	26	25	0.73	62.8	64.8	74
	96	31	30	0.75	64.7	66.1	74
	89	34	33	0.75	65.0	66.0	74
	85	35	34	0.75	64.6	65.5	74
	74	39	38	0.73	64.4	65.0	73

1000 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	122	32	31	1.00	62.8	64.8	77
	106	39	37	1.03	64.7	66.1	77
	99	42	41	1.03	65.0	66.0	77
	94	43	42	1.03	64.6	65.5	77
	82	48	47	0.99	64.4	65.0	76

1100 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	134	39	37	1.33	62.8	64.8	80
	117	47	45	1.36	64.7	66.1	80
	109	51	49	1.37	65.0	66.0	80
	104	53	51	1.37	64.6	65.5	80
	90	58	57	1.32	64.4	65.0	79

1200 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	146	47	45	1.72	62.8	64.8	83
	128	56	54	1.77	64.7	66.1	83
	119	60	59	1.78	65.0	66.0	82
	113	63	61	1.78	64.6	65.5	82
	99	69	68	1.72	64.4	65.0	82

1300 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	158	55	52	2.19	62.8	64.8	85
	138	65	64	2.25	64.7	66.1	85
	129	71	69	2.26	65.0	66.0	85
	123	73	72	2.26	64.6	65.5	85
	107	81	80	2.18	64.4	65.0	85

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

The AMCA Certified Ratings Seal does not apply to efficiency ratings.

BRV-0680 (# 4 1/2)



BnC Co., Ltd.

▼ - Peak Point

■ - Q,Ps

● - Power

Centrifugal Power Roof Ventilator



BnC Company Limited.

Certifies that the fans shown hereon are licensed to bear the AMCA Seal.

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

System range.(Maximum REV./Min)

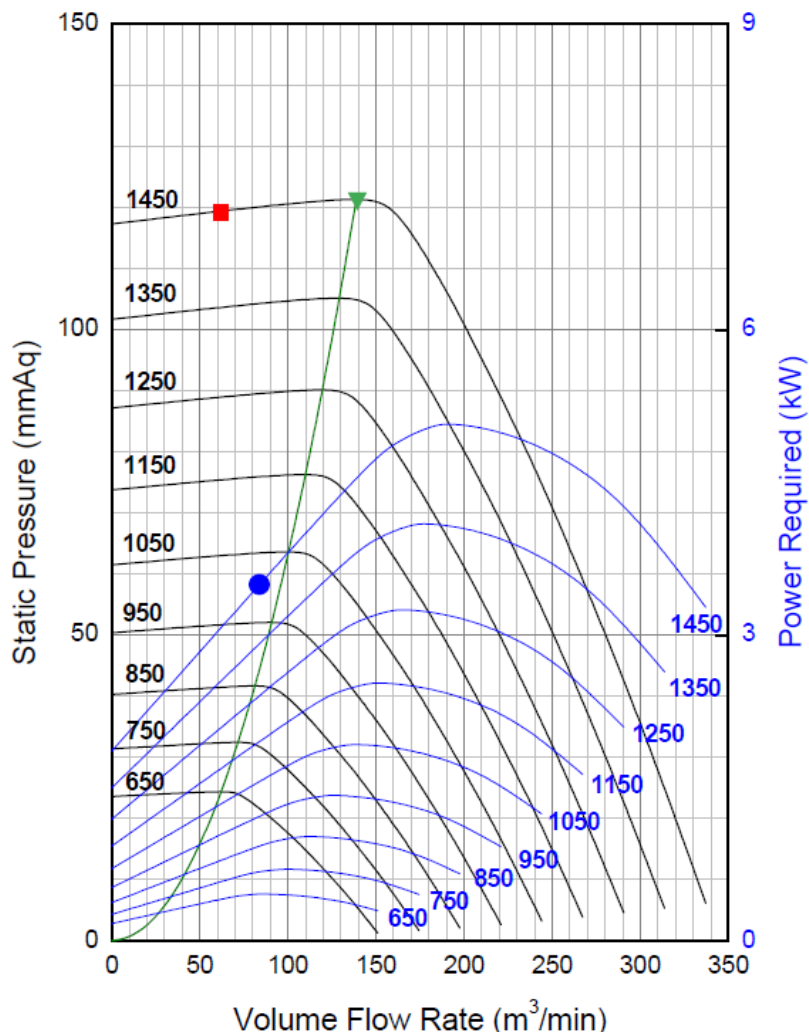
Class- I = 2,015 RPM

Class- II = 2,300 RPM

Class- III = 2,643 RPM

Impeller Diameter : 672 mm.

Outlet Area. : 0.613 m²



750 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	122	22	21	0.69	62.8	64.8	72
	107	26	25	0.70	64.7	66.1	72
	99	29	28	0.71	65.0	66.0	72
	95	30	29	0.71	64.6	65.5	72
	82	33	32	0.68	64.4	65.0	71

950 RPM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	155	35	34	1.39	62.8	64.8	79
	135	42	41	1.43	64.7	66.1	78
	126	46	45	1.43	65.0	66.0	78
	120	48	46	1.43	64.6	65.5	78
	104	52	51	1.38	64.4	65.0	78

1150 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	187	52	50	2.46	62.8	64.8	84
	164	62	60	2.53	64.7	66.1	84
	152	67	66	2.54	65.0	66.0	84
	145	70	68	2.54	64.6	65.5	84
	126	77	76	2.45	64.4	65.0	84

850 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	138	28	27	1.00	62.8	64.8	76
	121	34	33	1.02	64.7	66.1	75
	112	37	36	1.03	65.0	66.0	75
	107	38	37	1.03	64.6	65.5	75
	93	42	41	0.99	64.4	65.0	74

1050 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	171	43	41	1.87	62.8	64.8	82
	150	52	50	1.92	64.7	66.1	81
	139	56	55	1.93	65.0	66.0	81
	133	58	57	1.93	64.6	65.5	81
	115	64	63	1.86	64.4	65.0	81

1250 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	204	61	59	3.16	62.8	64.8	87
	178	73	71	3.24	64.7	66.1	87
	165	79	78	3.26	65.0	66.0	87
	158	82	81	3.25	64.6	65.5	87
	137	91	89	3.14	64.4	65.0	86

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

The AMCA Certified Ratings Seal does not apply to efficiency ratings.

BRV-0710 (# 5)



BnC Co., Ltd.

Centrifugal Power Roof Ventilator



BnC Company Limited.

Certifies that the fans shown hereon are licensed to bear the AMCA Seal.

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

System range.(Maximum REV./Min)

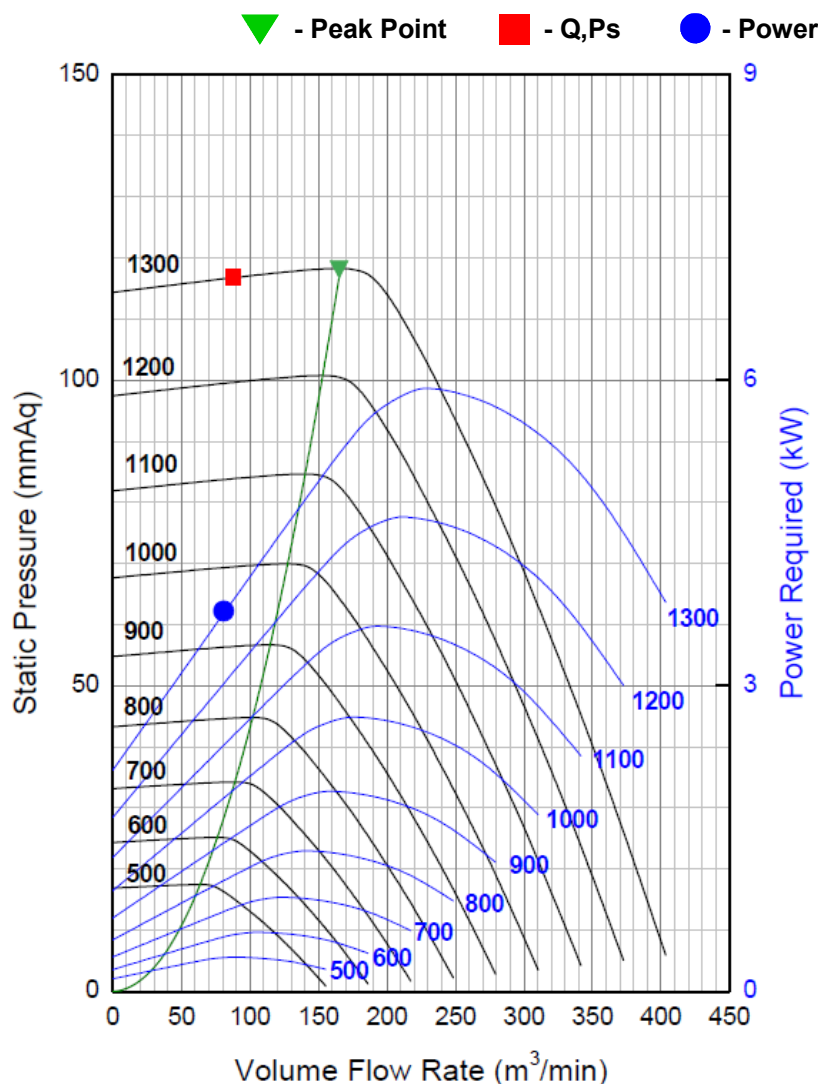
Class- I = 1,829 RPM

Class- II = 2,087 RPM

Class- III = 2,398 RPM

Impeller Diameter : 740 mm.

Outlet Area. : 0.732 m²



600 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	130	17	16	0.57	62.8	64.8	69
	114	21	20	0.58	64.7	66.1	68
	106	22	21	0.59	65.0	66.0	68
	101	23	22	0.59	64.6	65.5	68
	88	25	25	0.57	64.4	65.0	68

800 RPM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	174	30	29	1.34	62.8	64.8	77
	152	36	35	1.38	64.7	66.1	76
	141	39	38	1.38	65.0	66.0	76
	135	41	40	1.38	64.6	65.5	76
	117	45	44	1.34	64.4	65.0	76

1000 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	218	48	46	2.62	62.8	64.8	83
	190	57	55	2.69	64.7	66.1	83
	177	62	60	2.70	65.0	66.0	83
	169	64	63	2.70	64.6	65.5	82
	147	70	69	2.61	64.4	65.0	82

700 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	152	23	22	0.90	62.8	64.8	74
	133	28	27	0.93	64.7	66.1	73
	124	30	29	0.93	65.0	66.0	73
	118	31	30	0.93	64.6	65.5	73
	103	34	34	0.90	64.4	65.0	72

900 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	196	39	37	1.91	62.8	64.8	80
	171	46	45	1.96	64.7	66.1	80
	159	50	49	1.97	65.0	66.0	80
	152	52	51	1.97	64.6	65.5	79
	132	57	56	1.90	64.4	65.0	79

1100 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	239	58	55	3.48	62.8	64.8	86
	209	69	67	3.58	64.7	66.1	86
	195	75	73	3.59	65.0	66.0	86
	186	77	76	3.59	64.6	65.5	85
	162	85	84	3.47	64.4	65.0	85

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

The AMCA Certified Ratings Seal does not apply to efficiency ratings.

BRV-0800 (# 5 1/2)



BnC Co., Ltd.

Centrifugal Power Roof Ventilator



BnC Company Limited.

Certifies that the fans shown hereon are licensed to bear the AMCA Seal.

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

System range.(Maximum REV./Min)

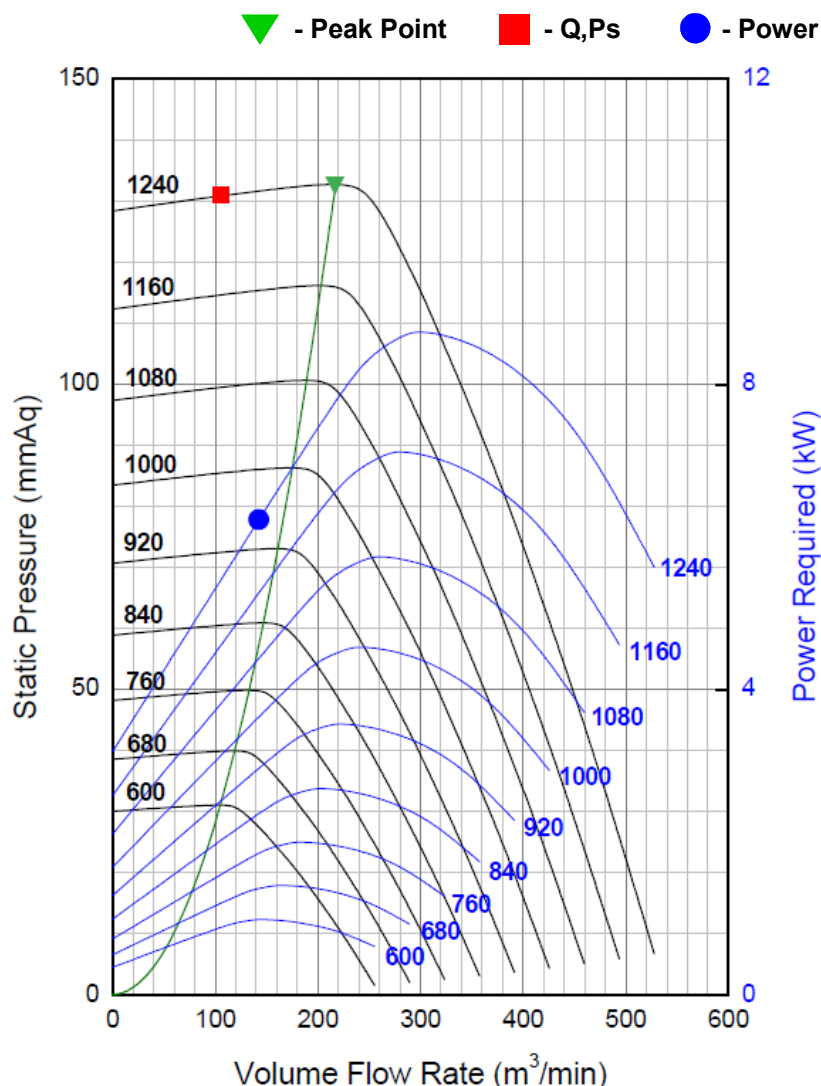
Class- I = 1,647 RPM

Class- II = 1,807 RPM

Class- III = 2,115 RPM

Impeller Diameter : 822 mm.

Outlet Area. : 0.913 m²



680 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	203	27	26	1.39	62.8	64.8	76
	177	32	31	1.43	64.7	66.1	76
	165	35	34	1.44	65.0	66.0	75
	157	36	35	1.44	64.6	65.5	75
	137	40	39	1.39	64.4	65.0	75

760 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	227	34	32	1.94	62.8	64.8	79
	198	41	39	2.00	64.7	66.1	78
	184	44	43	2.01	65.0	66.0	78
	176	46	44	2.00	64.6	65.5	78
	153	50	49	1.94	64.4	65.0	78

840 RPM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	251	41	40	2.62	62.8	64.8	81
	219	50	48	2.69	64.7	66.1	81
	204	54	52	2.71	65.0	66.0	81
	194	56	54	2.71	64.6	65.5	81
	169	61	60	2.61	64.4	65.0	80

920 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	274	50	48	3.45	62.8	64.8	84
	240	59	58	3.54	64.7	66.1	84
	223	64	63	3.55	65.0	66.0	83
	213	67	65	3.55	64.6	65.5	83
	185	73	72	3.43	64.4	65.0	83

1000 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	298	59	56	4.42	62.8	64.8	86
	261	70	68	4.54	64.7	66.1	86
	243	76	74	4.56	65.0	66.0	86
	232	79	77	4.56	64.6	65.5	86
	202	87	85	4.40	64.4	65.0	85

1080 PRM	Q (m ³ /min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	322	68	66	5.57	62.8	64.8	89
	282	82	80	5.72	64.7	66.1	88
	262	89	87	5.75	65.0	66.0	88
	250	92	90	5.74	64.6	65.5	88
	218	101	100	5.55	64.4	65.0	88

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

BRV-0900 (# 6)



BnC Co., Ltd.

Centrifugal Power Roof Ventilator



BnC Company Limited.

Certifies that the fans shown hereon are licensed to bear the AMCA Seal.

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

System range.(Maximum REV./Min)

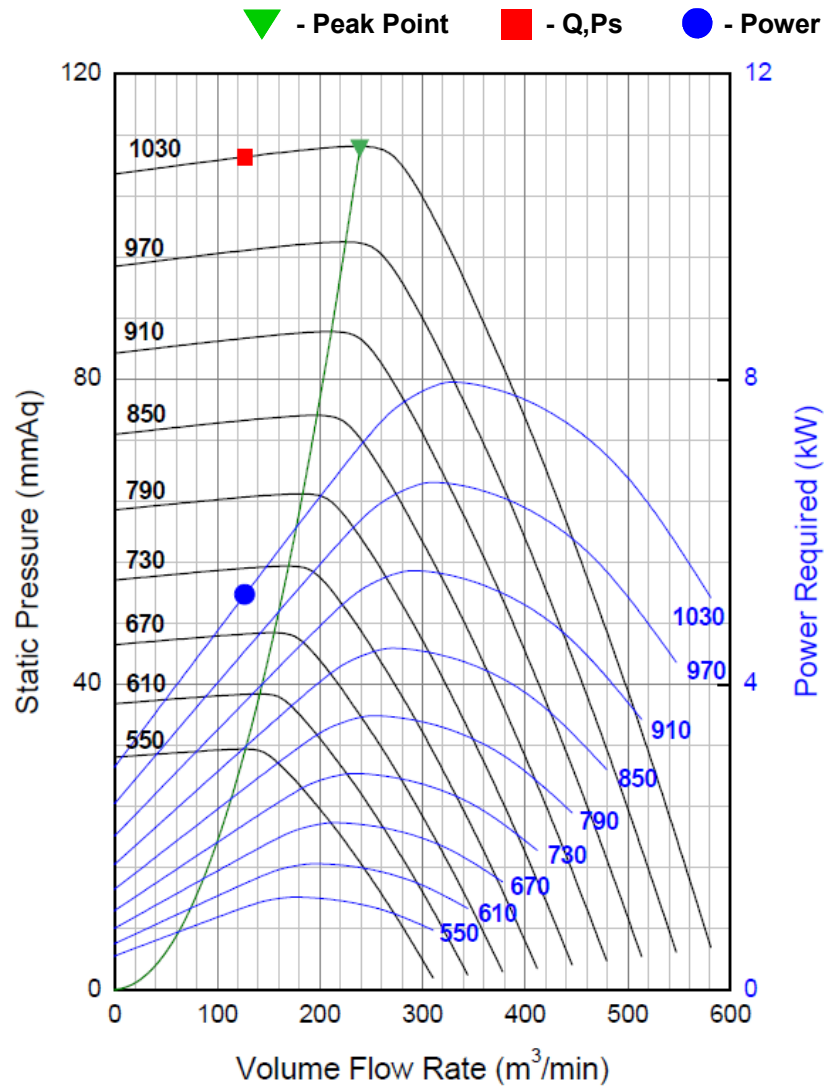
Class- I = 1,413 RPM

Class- II = 1,552 RPM

Class- III = 1,923 RPM

Impeller Diameter : 903 mm.

Outlet Area. : 1.086 m²



610 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	241	26	25	1.61	62.8	64.8	75
	211	32	30	1.65	64.7	66.1	75
	196	34	33	1.66	65.0	66.0	75
	187	35	34	1.66	64.6	65.5	75
	163	39	38	1.60	64.4	65.0	74

670 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	265	32	30	2.13	62.8	64.8	78
	232	38	37	2.19	64.7	66.1	78
	215	41	40	2.20	65.0	66.0	78
	206	43	42	2.20	64.6	65.5	78
	179	47	46	2.12	64.4	65.0	77

730 RPM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	289	38	36	2.76	62.8	64.8	81
	253	45	44	2.83	64.7	66.1	80
	235	49	48	2.84	65.0	66.0	80
	224	51	50	2.84	64.6	65.5	80
	195	56	55	2.74	64.4	65.0	79

790 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	313	44	42	3.49	62.8	64.8	83
	273	53	51	3.58	64.7	66.1	82
	254	57	56	3.60	65.0	66.0	82
	243	59	58	3.60	64.6	65.5	82
	211	65	64	3.47	64.4	65.0	82

850 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	336	51	49	4.35	62.8	64.8	85
	294	61	60	4.46	64.7	66.1	84
	273	66	65	4.48	65.0	66.0	84
	261	69	67	4.48	64.6	65.5	84
	227	76	74	4.33	64.4	65.0	83

910 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	360	59	56	5.33	62.8	64.8	87
	315	70	68	5.48	64.7	66.1	86
	293	76	74	5.50	65.0	66.0	86
	279	79	77	5.50	64.6	65.5	86
	243	87	85	5.31	64.4	65.0	85

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

BRV-1000 (# 7)



BnC Co., Ltd.

▼ - Peak Point

■ - Q,Ps

● - Power

Centrifugal Power Roof Ventilator



BnC Company Limited.

Certifies that the fans shown hereon are licensed to bear the AMCA Seal.

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

System range.(Maximum REV./Min)

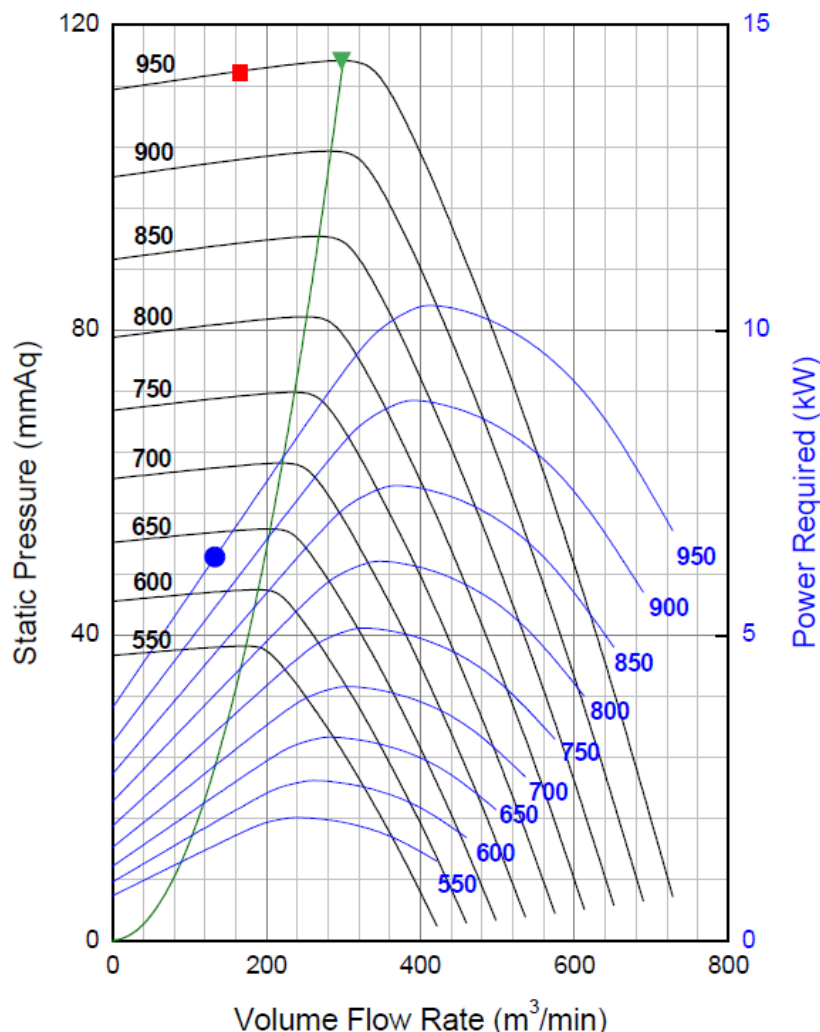
Class- I = 1,344 RPM

Class- II = 1,497 RPM

Class- III = 1,639 RPM

Impeller Diameter : 1000 mm.

Outlet Area. : 1.357 m²



600 PRM	Q	PT	PS	S.POW	ST.EFF	TO.EFF	LwA
	(m³/min)	(mmAq)	(mmAq)	(kW)	(%)	(%)	(dB)
	322	31	30	2.55	62.8	64.8	78
	282	37	36	2.62	64.7	66.1	78
	262	40	39	2.63	65.0	66.0	77
	250	42	41	2.63	64.6	65.5	77
	218	46	45	2.54	64.4	65.0	77

700 RPM	Q	PT	PS	S.POW	ST.EFF	TO.EFF	LwA
	(m³/min)	(mmAq)	(mmAq)	(kW)	(%)	(%)	(dB)
	376	43	41	4.04	62.8	64.8	83
	329	51	49	4.15	64.7	66.1	82
	306	55	54	4.17	65.0	66.0	82
	292	57	56	4.17	64.6	65.5	82
	254	63	62	4.03	64.4	65.0	82

800 PRM	Q	PT	PS	S.POW	ST.EFF	TO.EFF	LwA
	(m³/min)	(mmAq)	(mmAq)	(kW)	(%)	(%)	(dB)
	430	56	53	6.03	62.8	64.8	86
	376	67	65	6.20	64.7	66.1	86
	350	72	70	6.22	65.0	66.0	85
	334	75	73	6.22	64.6	65.5	85
	291	82	81	6.01	64.4	65.0	85

650 PRM	Q	PT	PS	S.POW	ST.EFF	TO.EFF	LwA
	(m³/min)	(mmAq)	(mmAq)	(kW)	(%)	(%)	(dB)
	349	37	35	3.24	62.8	64.8	81
	306	44	43	3.33	64.7	66.1	80
	284	47	46	3.34	65.0	66.0	80
	271	49	48	3.34	64.6	65.5	80
	236	54	53	3.22	64.4	65.0	79

750 PRM	Q	PT	PS	S.POW	ST.EFF	TO.EFF	LwA
	(m³/min)	(mmAq)	(mmAq)	(kW)	(%)	(%)	(dB)
	403	49	47	4.97	62.8	64.8	84
	353	58	57	5.11	64.7	66.1	84
	328	63	62	5.13	65.0	66.0	84
	313	66	64	5.13	64.6	65.5	84
	272	72	71	4.95	64.4	65.0	83

850 PRM	Q	PT	PS	S.POW	ST.EFF	TO.EFF	LwA
	(m³/min)	(mmAq)	(mmAq)	(kW)	(%)	(%)	(dB)
	457	63	60	7.24	62.8	64.8	88
	400	75	73	7.43	64.7	66.1	87
	371	81	79	7.46	65.0	66.0	87
	355	84	83	7.46	64.6	65.5	87
	309	93	91	7.20	64.4	65.0	87

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

The AMCA Certified Ratings Seal does not apply to efficiency ratings.

BRV-1120 (# 8)



BnC Co., Ltd.

Centrifugal Power Roof Ventilator



BnC Company Limited.

Certifies that the fans shown hereon are licensed to bear the AMCA Seal.

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

System range.(Maximum REV./Min)

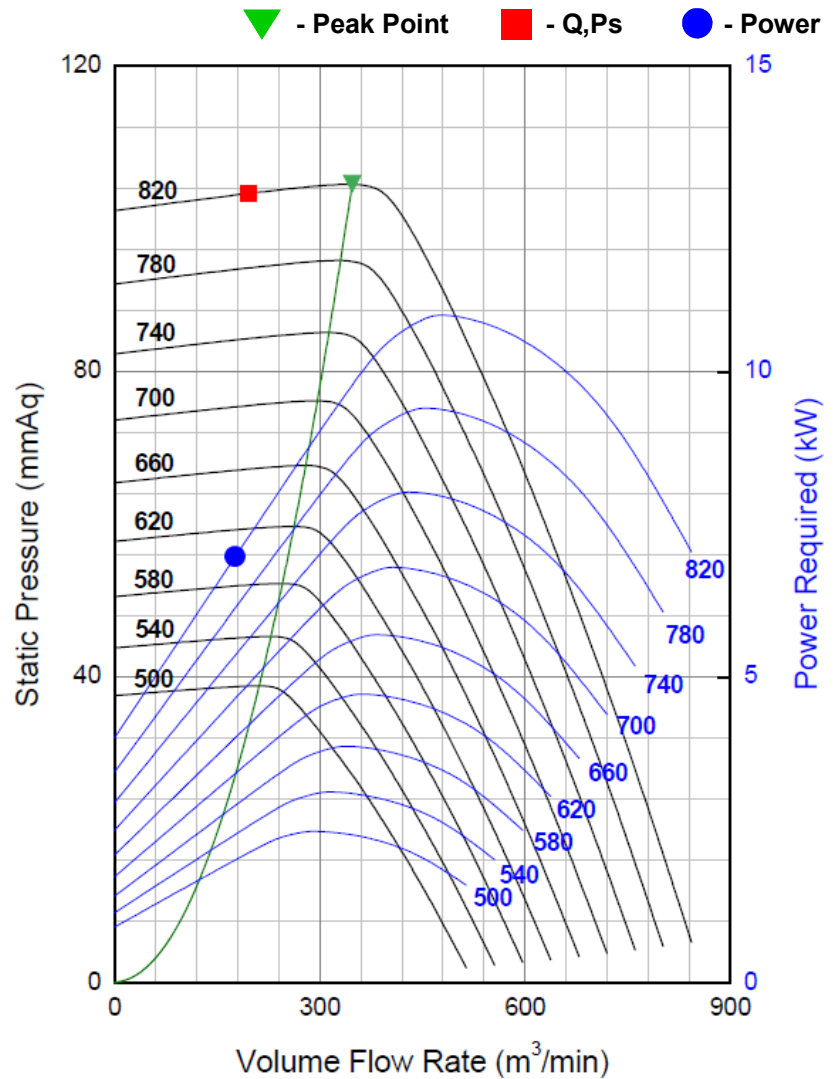
Class- I = 903 RPM

Class- II = 1,179 RPM

Class- III = 1,486 RPM

Impeller Diameter : 1,103 mm.

Outlet Area. : 1.647 m²



540 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	389	31	29	3.03	62.8	64.8	78
	341	37	36	3.11	64.7	66.1	77
	317	40	39	3.13	65.0	66.0	77
	302	41	40	3.13	64.6	65.5	77
	263	46	45	3.02	64.4	65.0	76

620 RPM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	447	41	39	4.59	62.8	64.8	82
	391	49	47	4.71	64.7	66.1	82
	364	53	51	4.73	65.0	66.0	81
	347	55	53	4.73	64.6	65.5	81
	302	60	59	4.57	64.4	65.0	81

700 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	505	52	50	6.60	62.8	64.8	86
	442	62	60	6.78	64.7	66.1	85
	410	67	65	6.81	65.0	66.0	85
	392	70	68	6.80	64.6	65.5	85
	341	77	75	6.57	64.4	65.0	85

580 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	418	36	34	3.76	62.8	64.8	80
	366	43	41	3.86	64.7	66.1	79
	340	46	45	3.87	65.0	66.0	79
	325	48	47	3.87	64.6	65.5	79
	283	53	52	3.74	64.4	65.0	79

660 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	476	46	44	5.53	62.8	64.8	84
	417	55	54	5.68	64.7	66.1	84
	387	60	58	5.71	65.0	66.0	83
	370	62	61	5.70	64.6	65.5	83
	322	68	67	5.51	64.4	65.0	83

740 PRM	Q (m³/min)	PT (mmAq)	PS (mmAq)	S.POW (kW)	ST.EFF (%)	TO.EFF (%)	LwA (dB)
	534	58	56	7.79	62.8	64.8	87
	467	69	67	8.01	64.7	66.1	87
	434	75	73	8.04	65.0	66.0	86
	414	78	76	8.04	64.6	65.5	86
	361	86	84	7.76	64.4	65.0	86

※ Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

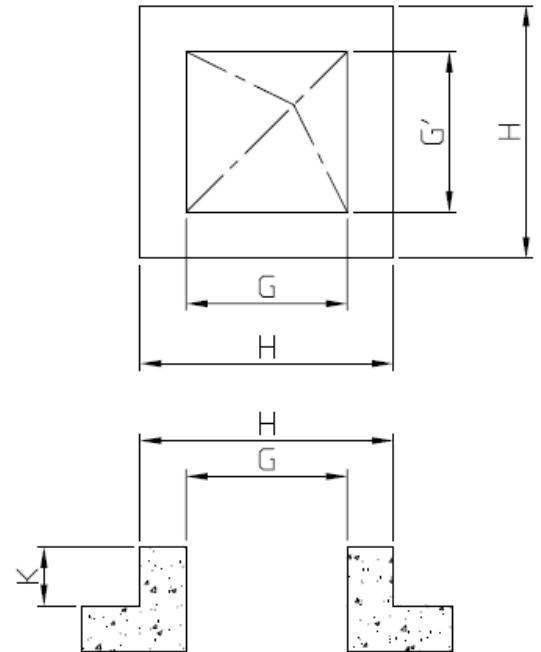
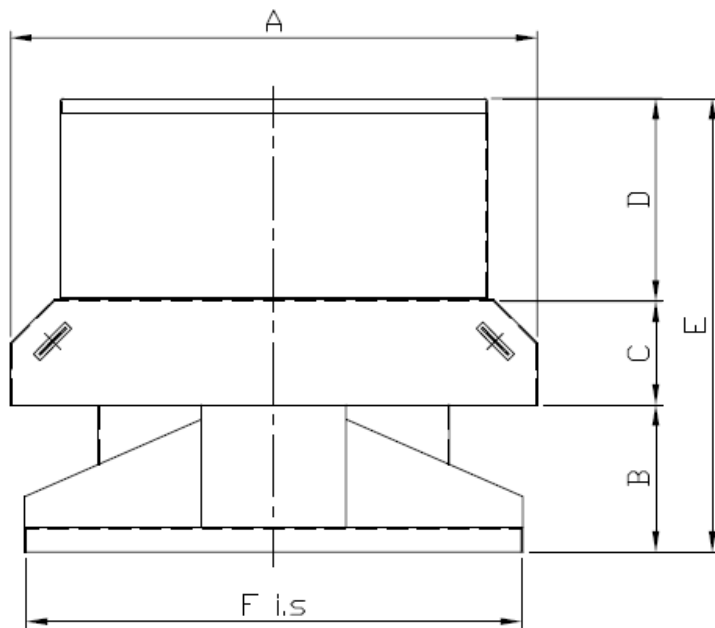
Performance certified is for installation type C: Ducted inlet, Free outlet.

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301.

Values shown are for LwA sound power levels for installation type C: Ducted inlet, Free outlet.

Ratings do not include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA standard 301.

4. OUT LINE DWG.



Roof Opening

DIMENSIONS (mm)									
Model No.	A	B	C	D	E	F	G	H	K
BRV-0315 (# 2)	800	150	150	350	650	620	500	790	50
BRV-0355 (# 2 1/2)	880	165	165	350	680	680	550	870	50
BRV-0400 (# 2 3/4)	975	180	182	400	762	760	600	965	55
BRV-0450 (# 3)	1075	195	200	400	795	840	650	1065	55
BRV-0500 (# 3 1/2)	1190	200	222	450	872	920	700	1180	75
BRV-0560 (# 3 3/4)	1200	230	230	450	910	950	750	1190	100
BRV-0630 (# 4)	1330	250	255	500	1005	1050	800	1320	100
BRV-0680 (# 4 1/2)	1470	280	280	500	1060	1160	900	1460	100
BRV-0710 (# 5)	1620	300	310	550	1160	1280	1000	1610	100
BRV-0800 (# 5 1/2)	1800	330	345	550	1225	1420	1100	1790	100
BRV-0900 (# 6)	1975	360	380	600	1340	1560	1200	1965	100
BRV-1000 (# 7)	2190	400	420	600	1420	1730	1300	2180	100
BRV-1120 (# 8)	2416	440	465	600	1505	1900	1500	2406	100

- NOTE -

1. 치수 G,H,K는 참고치수 이며, 현장 조건에 따라 변경 가능한 합니다.
 2. 개구부의 형태 종류에 따라 제품의 외형이 변경될 수 있습니다.
 3. 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.



Bumyang&Chicago Blower



주식회사 **BnC**

본사 : 경기도 평택시 포승면 내기리 680-8 (포승공단)

TEL: (031)683-6971~2 FAX: (02)683-6973