BREEZEWAY

Wall Mounted Propeller Fans

PRODUCT GUIDE





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INTRODUCTION

Breezeway Series Wall Mounted Propeller Fans

The Breezeway propeller fan line provides a variety of solutions to address the needs of wall mounted exhaust and ventilation applications such as garages, factories, warehouses, and other relatively clean air applications.

Whether steel or cast aluminum, all propellers in the Breezeway product line are statically and dynamically balanced to AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans, to ensure quiet and reliable operation.

Breezeway fans have one of the broadest motor selections in the industry. All fans are fully assembled and factory tested prior to shipping; belt drive models are pre-set to the specified RPM.







Breezex (BX)



BC-Series



BHH-Series



BCH-Series

INTRODUCTION

BREEZEWAY DIRECT DRIVE SERIES

P-Series

- Static pressure up to 0.625 in. wg.
- Flow capacity up to 6,562 CFM.
- Exhaust or supply in light-duty applications.
- Stamped aluminum propeller with steel hub, zinccoated wire guard/power assembly mounted on RIS vibration isolators attached to a steel venturi panel.
- Available sizes from 10" to 24".

Breezex (BX)

- Static pressure up to 0.375 in. wg.
- Flow capacity up to 4,720 CFM.
- Exhaust or supply in light-duty applications.
- Field reversible fan.
- Stamped aluminum propeller with steel hub, a fabricated power assembly and steel venturi panel.
- Base-mounted TE type motors.
- Explosion proof motors with less reversing switch.
- Available sizes from 10" to 24"

BC-Series

- Static pressure up to 0.75 in. wg.
- Flow capacity up to 43,437 CFM.
- Exhaust or supply in light-duty applications.
- Available sizes from 24" to 54".

BREEZEWAY BELT DRIVE SERIES

BHH-Series

- Static pressure up to 1.0 in. wg.
- Flow capacity up to 58,413 CFM.
- Exhaust or supply in heavy-duty applications.
- High-efficiency fabricated steel propeller, a robust galvanized power assembly that can handle high horsepower motors, and a fully developed venturi integrally spun into a galvanized panel.
- Available sizes from 24" to 60".

BCH-Series

- Static pressure up to 1.0 in. wg.
- Flow capacity up to 68,172 CFM.
- Exhaust in heavy-duty applications.
- High-efficiency cast aluminum airfoil propeller, a fabricated steel power assembly and a heavy gauge venturi panel.
- Available sizes from 24" to 60".

CERTIFICATIONS & LISTINGS



Breezeway Direct & Belt Drive Fans

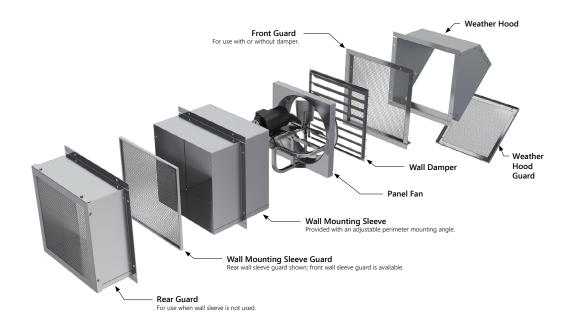
PennBarry certifies that the Breezeway direct drive and belt drive models shown on 14 and 17-29 are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA publication 211 and AMCA publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



cULus Certification

Breezeway fans (models P, BHH and BCH) carry the UL label, UL705 (ZACT/ ZACT7), file #E28413.

Accessory Overview



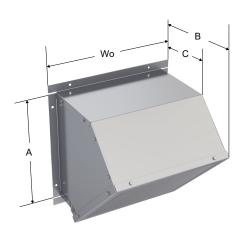
Protection that conforms to OSHA regulations should be installed when fans are located within seven (7) feet of floor and/or working level, or within reach of personnel. Review OSHA codes for specific details.

Weather Hood

Weather hoods are designed to divert rain and snow from exhaust and supply wall openings. They are designed to be surface mounted and can be installed in conjunction with wall dampers. Guards are provided. Standard construction is galvanized steel, painted upon request. In order to minimize shipping costs, the weather hood will be shipped knocked down for the BHM and BHH products, unless factory assembly is specified. Other models will be shipped factory assembled.

Use the tables below to help with space planning and sizing guidelines. Please note the maximum recommended intake (supply) CFM. This guideline will keep the intake CFM below 500 FPM. If the intake CFM exceeds the recommended volume, use the next larger fan.

Caution: When a Breezeway fan is selected for a supply application, face velocities greater than 500 FPM can pull water into the structure. We suggest that a PennBarry Weather Hood be selected in supply applications to help prevent water penetration when high velocity conditions cannot be avoided.



Size			P-S	eries						всн вс			
Size	10	12	16	18	20	24	24	30	36	42	48	54	60**
Wo	15 3/4	17 3/4	23 1/2	25	27 1/2	33 1/4	28 3/4	34 3/4	40 3/4	46 3/4	55	61	67
А	15 1/4	17 1/4	23	24 1/2	27	32 3/4	28 1/4	34 1/4	40 1/4	46 1/4	54 1/4	60 1/4	66 1/4
В	18 3/8	19 11/16	23 3/4	24 13/16	26 9/16	30 1/2	27 3/8	31 3/4	36 5/8	41	45 3/4	49 5/8	54 5/8
С	12 1/8	13 1/8	15 1/2	16 1/8	17 1/4	19 1/2	17 5/8	20 1/4	23 3/8	25 7/8	28 3/8	31	34 1/4
Max. Rec.	10	12	16	18	20	24	24	30	36	42	48	54	60
Supply CFM	806	1033	1837	2084	2531	3724	2771	4073	5625	7427	10219	12604	15240

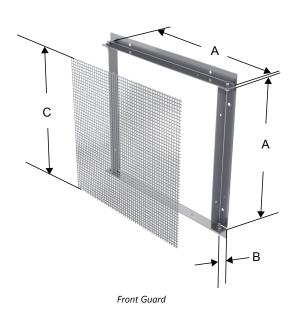
All dimensions in inches. **BCH only.

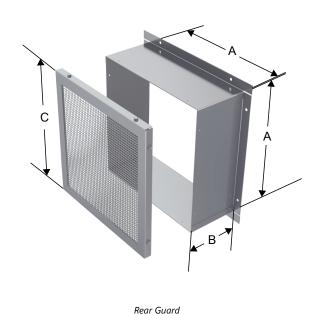
Size				внн								В	X				
Size	24	30	36	42	48	54*	60*	12Q	14Q	16T	16Q	18T	18Q	20T	20Q	24T	24Q
Wo	32 3/4	38 3/4	44 3/4	50 3/4	57	63	69	15 1/4	17 1/4	19 3/4	19 3/4	21 3/4	21 3/4	23 3/4	23 3/4	27 3/4	27 3/4
А	32 1/4	38 1/4	44 1/4	50 1/4	56 1/4	62 3/8	68 3/8	15 1/4	16 1/4	19	19	21	21	23	23	27	27
В	28 1/4	32 1/2	36 3/4	41	45 1/4	49 3/8	53 3/8	17 7/8	19	20	20	22 3/8	22 3/8	23 1/4	23 1/4	26 1/8	26 1/8
С	17 1/4	19 3/4	22 3/8	24 3/4	27 1/4	29 3/8	32 1/8	12 3/8	12 3/4	13 7/8	13 7/8	14 1/4	14 1/4	15 1/2	15 1/2	17 1/4	17 1/4
Max. Rec.	24	30	36	42	48	54	60	-	-	-	-	-	-	-	-	-	-
Supply CFM	3611	5080	6799	8768	10986	13509	16233	-	-	-	-	-	-	-	-	-	-

All dimensions in inches. *BHH only.

Front & Rear Guards

Protection is available for both the rear motor side (rear guard) of the fan and the front face (front guard) of the fan. Both assemblies include a sheet metal sleeve with an attached guard. The rear guard is long enough to enclose the belt and pulleys. The front guard is surface mounted and long enough to enclose a wall damper, if provided. The guard for either is removable for maintenance. Standard shipment is knocked down for BHM and BHH, or optionally available as factory assembled. Shipment for other models is factory assembled only. The guards on both conform to OSHA specifications.





Protection that conforms to OSHA regulations should be installed when fans are located within seven (7) feet of floor and/or working level, or within reach of personnel. Review OSHA codes for specific details.

C:			P-Se	ries*						всн вс			
Size	10	12	16	18	20	24	24	30	36	42**	48**	54**	60***
А	-	-	-	-	-	-	28 3/16	34 3/16	40 3/16	46 3/16	54 1/4	60 1/4	66 1/4
В	-	-	-	-	-	-	13 1/2	16 1/2	16 1/2	20 1/2	25	25	25
C _{SQ}	15 1/2	17 1/2	23 1/4	24 3/4	27 1/4	33	28 5/8	34 5/8	40 5/8	46 5/8	54 3/4	60 3/4	66 3/4
SCREEN	1 Piece	1 Piece	2 Pieces	2 Pieces									

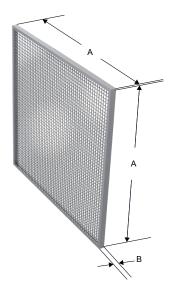
All dimensions in inches. *Motor side guard of concentric rings integral to unit. **BCH or BC only. ***BCH only.

Size				внн						В	X		
Size	24	30	36	42	48	54*	60*	12	14	16	18	20	24
A ^{SQ.}	32 1/4	38 3/4	44 1/4	50 1/4	56 1/4	62 3/8	68 3/8	14 11/16	16 3/16	18 15/16	21 15/16	22 15/16	26 15/16
B Front	5	5	5	5	5	5	5	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
B Rear	20	20	20	22	22	27	27	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	13 1/2
С	32 3/8	38 3/8	44 3/8	50 3/8	56 3/8	62 1/2	68 1/2	15 1/8	16 5/8	19 3/8	21 3/8	23 3/8	27 3/8
Screen	1 Piece	2 Pieces	2 Pieces	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece				

All dimensions in inches. *BHH only.

Wall Mounting Sleeve Guards and Weather Hood Guards

These guards are supplied with the Weather Hood and Wall Sleeve. They are fabricated from galvanized sheet and suitable for use for OSHA protection. (Note that guard may be attached to either front or rear of wall sleeve.)



Protection that conforms to OSHA regulations should be installed when fans are located within seven (7) feet of floor and/or working level, or within reach of personnel. Review OSHA codes for specific details.

C:				вс всн			
Size	24	30	36	42*	48	54	60*
A ^{SQ.}	29	34 5/8	40 5/8	46 5/8	54 3/4	60 3/4	66 3/4
В	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Screen	1 Piece	1 Piece	1 Piece	1 Piece	1 Piece	2 Pieces	2 Pieces

All dimensions in inches. *BCH only.

Size				ВНН			
3126	24	30	36	42	48	54*	60*
A ^{SQ.}	32 3/8	38 3/8	44 3/8	50 3/8	56 3/8	62 1/2	68 1/2
В	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Screen	1 Piece	2 Pieces	2 Pieces				

All dimensions in inches. *BHH only.

Extended Lube Lines

Preloaded at the factory, lube lines allow bearing maintenance when easy access to the bearings is unavailable.

Spare Belt Options

An extra set of one or two spare belts is an available selection.

Stainless Steel Hardware

If another material is desired for the unit's hardware, stainless steel hardware is available for selection.

Stainless Steel Shaft

If another material is desired for the motor shaft, stainless steel shafts are available for selection.

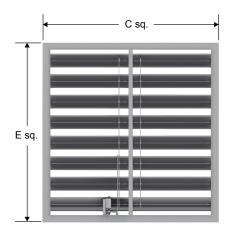
Dampers

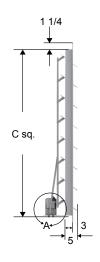
Type WSR recessed gravity dampers, which are the most popular form of backdraft protection, open when the fan starts and automatically close shut when the fan stops. These dampers are used for exhaust only and are enclosed within a heavy, steel frame that protects the roll-formed steel blades. Each blade pivots freely on nylon bearings. Blades are interconnected with one or more tie-rods for simultaneous operation. Consult factory for surface mount dampers, if required.

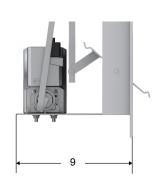
Type EBR is the motorized version of the gravity WSR. It includes all of the WSR features plus an enclosed actuator motor for positive opening and closing of the damper. The motor is field wired in parallel with the fan. Allow a minimum 7" between the fan and the damper when motorized. Larger actuators will be provided with a transformer for 460V.

Dampers required for supply applications are provided as motorized center-pivot type (not illustrated.) If a standard top-pivot damper is used for supply applications, a field supplied time delay relay is strongly recommended.

Caution: When a Breezeway fan is selected for a supply application, face velocities greater than 500 FPM can pull water into the structure. We suggest that a PennBarry Weather Hood be selected in supply applications to help prevent water penetration when high velocity conditions cannot be avoided.







Legend

- 1. Flanged Steel Frame
- 2. Self-Acting Steel Blades
- 3. Mounting Holes
- 4. Motor Mounting Assembly

Size				P-Series						всн	BC		
Size	10	12	16	18	20	24	24	30	36	42*	48	54	60*
E ^{SQ.}	17 1/2	19 1/2	25 1/4	26 3/4	29 1/4	34 3/4	30 1/2	36 1/2	42 1/2	48 1/2	56 1/2	62 1/2	68 1/2
C _{SQ}	15	17	22 3/4	24 1/4	26 3/4	32 1/4	28	34	40	46	54	60	66
No. Panels	1	1	1	1	1	1	1	1	2	2	2	2	2

All dimensions in inches. *BCH only.

Size				внн						В	X		
Size	24	30	36	42	48	54*	60*	12	14	16	18	20	24
E ₂ ď	34 1/2	40 1/2	46 1/2	52 1/2	58 1/2	64 1/2	70 1/2	17 1/2	19 1/2	21 1/2	23 1/2	25 1/4	29 1/4
C ₂ ď	32	38	44	50	56	62	68	15	17	19	21	22 3/4	26 3/4
No. Panels	1	1	2	2	2	2	2	1	1	1	1	1	1

All dimensions in inches. *BHH only.

Safety Service Switch

Safety service switches are available to allow positive electrical shut-off and safety. Switches are shipped loose for field mounting. (Factory wiring of explosion proof applications is not available.) A wide range of NEMA rated enclosures with service switches are available for indoor, outdoor, and explosion proof installations. Service switches are to be field wired by a licensed electrician.



Finishes

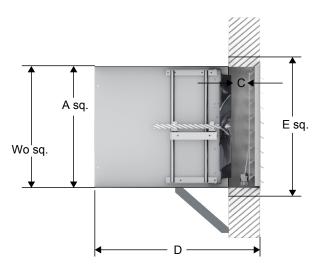
Coatings, such as Polyester Powder Coat, Epoxy Powder Coat, Phenolic Epoxy Powder Coat, and others are available. See the coatings brochure for details. for fan housing only (we cannot coat impellers)

NOTE: Accessories are painted by request and those with moving parts are excluded, such as dampers.

Wall Sleeves

Wall Sleeves effectively add depth to the wall where the fan and several of its accessories will be installed. This provides more flexibility and convenience to secure these parts, as well as protection and a neat appearance. Standard construction is galvanized steel. Standard shipment is knocked down for BHH, or optionally available as factory assembled. Shipment for other models is factory assembled only. A guard is provided for either front or rear installation.

Fan and wall damper shown for reference only. E dimension includes flange.



Size			P-Se	eries						вс всн			
Size	10	12	16	18	20	24	24	30	36	42*	48	54	60*
Wo ^{SQ.}	15 3/4	17 3/4	23 1/2	25	27 1/2	33	28 3/4	34 3/4	40 3/4	46 3/4	55	61	67
A ^{SQ.}	15 1/4	17 1/4	23	24 1/2	27	32 1/2	28 1/4	34 1/4	40 1/4	46 1/4	54 1/4	60 1/4	66 1/4
C _{MIN} .	4	4	4	4	5	5	6	6	6	6	7	7 1/2	7 1/2
D	18 3/4	18 3/4	22 3/4	23	24 3/4	30 3/4	30 3/4	35	38	44	47 1/2	48	48
E _{SQ.}	17 1/2	19 1/2	25 1/4	26 3/4	29 1/4	34 3/4	30 1/2	36 1/2	42 1/2	48 1/2	56 1/2	62 1/2	68 1/2

All dimensions in inches. *BCH only.

Size				внн						В	х		
Size	24	30	36	42	48	54*	60*	12	14	16	18	20	24
Wo ^{SQ.}	32 3/4	38 3/4	44 3/4	50 3/4	57	63	69	15 1/4	17 1/4	19 3/4	21 3/4	23 3/4	27 3/4
A ^{SQ.}	32 1/4	38 1/4	44 1/4	50 1/4	56 1/4	62 3/8	68 3/8	14 3/4	16 3/4	19 1/4	21 1/4	23 1/4	27 1/4
C ^{MIN.}	6	6	6	6	7	7	7	4	4	4	4	4	4
D	36	39	41	41	41	48	48	23 1/2	23 1/2	24	24 1/4	25	25
E _{SQ}	34 1/2	40 1/2	46 1/2	52 1/2	58 1/2	64 1/2	70 1/2	17 1/2	19 1/2	21 1/2	23 1/2	25 1/4	29 1/4

All dimensions in inches. *BHH only.

P-Series Slip-in Fan Pak

This provides a ventilation package in one convenient and compact assembly. The Fan Pak incorporates the Breezeway Type P direct drive fans with their integral back guards installed in a galvanized steel sleeve with a self-acting damper on the exterior face. (A motorized damper can be substituted for the standard damper when desired.)

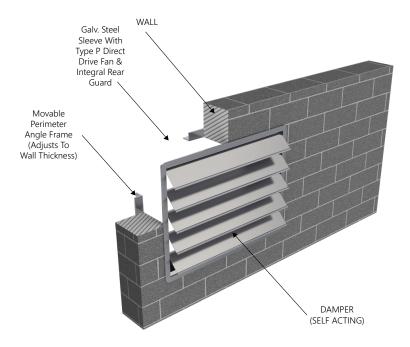
A moveable angle frame is positioned on the perimeter of the sleeve. This adjusts to the wall thickness. When properly fastened, it secures the assembly in the wall opening. Anchor bolts, lag screws or other appropriate fasteners should be used to fasten the unit to the inside and outside face of the wall or mounting frame.

Variable Frequency Drives

Variable frequency drives (VFDs) are designed to meet performance requirements while increasing efficiency. By varying the fan motor input frequency and voltage, the VFD controls the motor speed and torque, helping to improve productivity and lower energy consumption. The VSC and VSA are ideal for both new and retrofit fan applications. Shipped loose and separately.

Firestat:

Firestat switch automatically disconnects the unit when the temperature of the air being exhausted exceeds a preset rating.



Variable Speed Motor Control

PennBarry Lek-Trol™ solid state controllers are an economical way to reduce the high speed of selected P-Series motors by as much as 50%. Check the Lek-Trol™ availability table below to verify suitability for the fan model selected.

Motors suitable for use with field supplied Frequency Inverters can be supplied for BLL, BHM, BHH, BC and BCH models. Contact your PennBarry representative.

P-Series Direct Drive Available Lek-Trol™ Speed Controls

			RF					Single	Phase		
Model	Nominal HP		KF	/IVI		115/1/6	50 ODP	230/1/0	60 ODP	TE 115/	200/240
		1050	1300	1550	1650	Avail.	Lek-Trol	Avail.	Lek-Trol	Avail.	Lek-Trol
P10VA	1/30	Χ	-	-	-	Yes	LT30	-	-	-	-
P10RA	1/12	-	-	X	-	Yes	LT30	Use TE	LT35	Yes (2)	LT30/35*
P12VA	1/12	Χ	-	=	-	Yes	LT30	-	-	-	-
P12RA	1/7	=	-	X	-	Yes	LT50	Use TE	LT35	Yes (2)	LT30/35*
P16VA	1/3	Χ	-	=	-	Yes	-	-	-	-	-
P16SA	1/2	=	X	=	-	Yes	LT50	-	-	-	=
P16RA	1/2	÷	-	X	-	Yes	LT40	Use TE	-	Yes (2)	-
P16Q1A	3/4	=	-	=	Χ	Yes	LT60	Use TE	-	Yes (2)	=
P18VA	1/2	Χ	-	=	-	Yes	-	-	-	-	-
P18RA	3/4	=	-	X	-	Yes	-	-	-	-	-
P20TA	3/4	X (1)	-	-	-	Use TE	-	Use TE	-	Yes (2)	-
P24VA	3/4	Χ	-	-	-	Use TE	-	Use TE	-	Yes (2)	-

(1) Nominal 1140 RPM. (2) 50/60 Hz. *LT30 for 115V, LT35 for 200/240V.

MOTOR AVAILABILITY

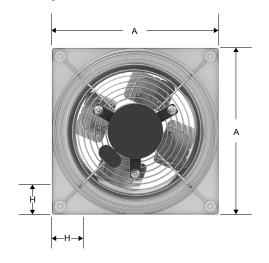
NEMA Motor

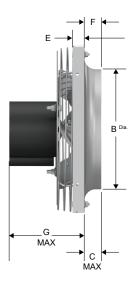
This chart lists the NEMA frame sizes for each combination of HP, phase, voltage, enclosure and speed configuration. Verify the NEMA frame size for the desired motor and compare to the maximum motor frame size listed on the individual fan data page in this brochure.

			Single Phase	220V, 230V, 460V, or 575V - Three Phase					
НР	0	DP	TE	EVD	2C2W	ODP	Tr	EVE	25214
	115V	230V	115/230	EXP	EXP 2S2W	ODP	TE	EXP	2S2W
1/4	48	58	56	48/56	48	48	48	48	-
1/3	48/56	48/56	56	56	56	56	56	56	-
1/2	48/56	48/56	56	56	56	56	56	56	56
3/4	56	56	56	56	56	56	56	56	56
1	56	56	56	56	56	145T	145T	145T	145T
1 1/2	56	56	145T	184T	-	145T	145T	145T	182T
2	145T	145T	182T	182T	-	145T	145T	145T	182T
3	184T	184T	184T	215T	=	145T	182T	182T	184T
5	-	-	-	-	-	184T	184T	184T	215T
7 1/2	=	-	=	-	=	213T	213T	213T	215T
10	-	-	-	-	-	215T	215T	215T	256T
15	-	-	-	-	-	254T	254T	254T	284T
20	-	-	-	-	-	256T	256T	256T	284T

On horsepowers less than 1 1/2, motor frame, sizes may change due to variations in voltage, special features and motor manufacturer. Motors shown are ball bearing, continuous duty and 1750 RPM or 1750/1140 RPM for two speed - two winding motors.

P-SERIES | DIMENSIONS

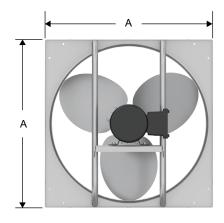


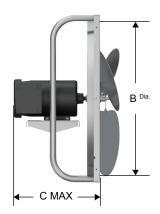


Model	А	B Dia.	C Max.	E	F	G Max.	н	Wall Opening Wo	Est. Ship Wt. (Lbs.)	Panel Gauge
P10	15	10 3/4	2 1/2	1	1 1/4	6 1/2	3/4	15 3/4	12	18
P12	17	12 1/4	3 1/4	1	1	7 1/2	17/8	17 3/4	14	18
P16	22 3/4	16 3/4	3 3/4	1	2 1/4	11 1/4	2 7/8	23 1/2	30	18
P18	24 1/4	18 3/4	3 3/4	1	2	9 1/8	3 5/8	25	40	18
P20	26 3/4	20 7/8	3 3/4	1	13/4	12 1/2	3 1/4	27 1/2	50	18
P24	32 1/4	25	4 1/4	2	2 3/8	12 7/8	4 11/16	33	76	18

All wire frames are 11 gauge. All dimensions are in inches.

BREEZEX BX | DIMENSIONS

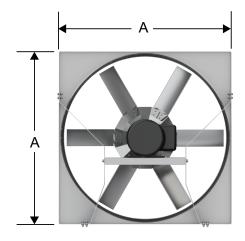


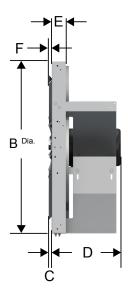


Model	A Sq.	B Dia.	C Max.	Wall Opening Wo	Est. Ship Wt. (LBS.)	Panel Gauge	Motor Plate Gauge
BX12Q	14 1/2	12 3/4	12	15 1/4	24	16	10
BX14Q	16 1/2	14 3/4	12	17 1/4	25	16	10
BX16T	19	16 3/4	12 1/2	19 3/4	29	16	10
BX16Q	19	16 3/4	12 1/2	19 3/4	29	16	10
BX18T	21	18 3/4	12 1/2	21 3/4	33	16	10
BX18Q	21	18 3/4	12 3/4	21 3/4	33	16	10
BX20T	23	20 3/4	13 1/2	23 3/4	35	16	10
BX20Q	23	20 3/4	12 1/2	23 3/4	35	16	10
BX24T	27	24 3/4	13 1/2	27 3/4	43	16	10
BX24Q	27	24 3/4	13 1/8	27 3/4	43	16	10

All dimensions are in inches.

BC | DIMENSIONS

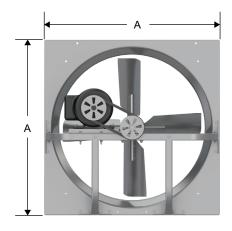


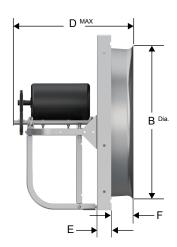


Model	A Sq.	B Dia.	C Max.	D Max.	E	F	Wall Opening Wo	Est. Ship Wt. (LBS.)	Panel Gauge	Web Gauge
BC24	28	25	4 1/2	15	3 1/8	3	28 3/4	80	16	12
BC30	34	31	4 1/2	16	2 5/8	3	34 3/4	100	16	12
BC36	40	37	5	16	3	4 3/4	40 3/4	180	14	10
BC42	46	43	5	18	3 13/16	3 1/2	46 3/4	260	14	10
BC48	54	49	5	23	2 3/4	3 1/2	54 3/4	310	14	10
BC54	60	55	5	24	3	5	60 3/4	340	14	10

All dimensions are in inches.

BHH | DIMENSIONS

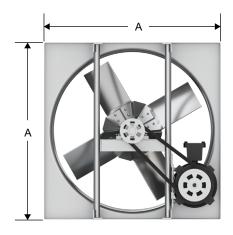


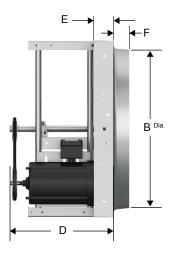


Model	А	B Dia.	D Max.	E	F	Est. Ship Wt. (LBS.)	Wall Opening	Max Motor Frame Size
BHH24	32	25 1/2	26	3	5	130	32 3/4" sq.	184T
внн30	38	31 1/2	26	3	5	150	38 3/4" sq.	184T
внн36	44	37 1/2	27	3	5	190	44 3/4" sq.	215T
BHH42	50	43 1/2	27	3	5	245	50 3/4" sq.	215T
BHH48	56	49 1/2	27	3	5	255	57" sq.	215T
BHH54	62	55 1/2	27	3	5	430	63" sq.	284T
внн60	68	61 1/2	27	3	5	460	69" sq.	284T

All dimensions are in inches.

BCH | DIMENSIONS





Model	А	B Dia.	D Max.	E	F	Damper OD	Est. Ship Wt. (LBS.)	Wall Opening	Max Motor Frame Size
BCH24	28	25	16	3	3	28" sq.	182	28 3/4" sq.	145T
BCH30	34	31	18	2 1/2	3	34" sq.	182	34 3/4" sq.	145T
ВСН36	40	37	20	3	4 3/4	40" sq.	182	40 3/4" sq.	184T
BCH42	46	43	22	3 3/4	4 1/2	46" sq.	228	46 3/4" sq.	184T
BCH48	54	49	25	2 3/4	4 3/4	54" sq.	322	55" sq.	286T
BCH54	60	55	28	3	5	60" sq.	335	61" sq.	286T
BCH60	66	61	28	2 3/4	6	66" sq.	460	67" sq.	286T

All dimensions are in inches.

BZW FAN SELECTIONS

Model

P = P-Series Breezeway Direct Drive Fan BX = Breezex Breezeway Direct Drive Fan

BC = BC-Series Breezeway Direct Drive Fan

BHH = BHH-Series Breezeway Belt Drive Fan.

BCH = BCH-Series Breezeway Belt Drive Fan.

Construction

Application	Drive Type	Unit Size
E = Exhaust / relief	$B = Belt^B$	10 ^p
S = Supply / intake ^{DMH}	D = Direct ^D	12 ^{PX}
		14 ^x
Application Flow (CFM)	Drive Kit Option	16 ^{PX}
<enter value=""></enter>	$0 = None^{B}$	18 ^{PX}
	A = Adjustable drive kit ^B	20 ^{PX}
Application Static Pressure (inwg)	L = Life safety ^B	24 30 ^{CB}
<enter value=""></enter>	X = Special ^B	36 ^{CB}
		42CIMH
	Fan RPM	48CIMH
	<###>	54 ^{CIH}
		60 ^{IH}

Motor

BZW FAN SELECTIONS

Electrical Accessories

Controllers

0 = None

2 = Lek-Trol solid state speed controller (loose)^p

7 = Provided by others^p

 $V = VFD^{CB}$

Note: VFD can be ordered separately

Service Switches and ITW*

0 = None

3 = NEMA 3R ITW only

A = NEMA 1 - loose

D = NEMA 3R - loose

G = NEMA 4 - loose $N = NEMA 7 - loose^{CXB}$

 $Q = NEMA 9 - loose^{CXB}$

X = Special

* ITW - Internal wiring not provided on explosion proof motors

Switches / Sensors

0 = None

F = Firestat switch

Options and Accessories

Construction Accessories

0 = None

 $P = Fan pack^{P}$

Y = Wall mounting sleeve (assembled)

Z = Wall mounting sleeve (knocked down)^{CB}

Extended Lube Lines (w/ assembled wall sleeve only)

 $0 = None^{B}$

L = Extended lube lines^B

Guard/Screen

0 = None

F = Front guard

G = Front and rear guard

H = Rear guard

Paint/Coating

0 = None

1 = Fan & Acc - epoxy powder coat (light gray)

2 = Fan & Acc - epoxy powder coat with UV protection (gray)

3 = Fan & Acc - phenolic epoxy powder coat (gray)

4 = Fan & Acc - phenolic epoxy powder coat with UV protection (gray)

5 = Fan & Acc - polyester powder coat*

F = Epoxy powder coat (light gray)

G = Epoxy powder coat with UV protection (gray)

K = Phenolic epoxy powder coat (gray)

L = Phenolic epoxy powder coat with UV protection (gray)

N = Polyester powder coat*

X = Special

* Colors - Only available in Polyester

Powder Coat

** Selections F, G, K, L, N are applicable to fan only

Paint Color*

00 = None

50 = Chrome green

55 = Pale green

56 = Dove gray (PPC standard)

61 = White

63 = Oxford beige

65 = Dover white

66 = Desert tan

70 = Black

73 = Smoke gray

77 = Brick red

79 = Peppercorn

81 = Pale brown

83 = Chocolate brown

85 = Timeless bronze

94 = Charcoal

X = Special

* Colors only available for polyester powder coat

Spare Belt(s)

0 = None

 $1 = 1 \text{ spare set}^B$

 $2 = 2 \text{ spare sets}^B$

Stainless Steel

0 = None

B = Hardware and shaft^B

H = Hardware

S = 304SS Shaft^B

Transformer

0 = None

 $B = 277Vx115V^{P}$

X = Special

Damper

0 = None

D = Damper

Weather Hood

0 = None

A = Weather hood with guard (assembled)

B = Weather hood with guard (knocked down)^{CB}

P = Applies to P-Series

^c = Applies to BC-Series

x = Applies to BX-Series

= Applies to BCH-Series

H = Applies to BHH-Series

D = Applies to all direct drive units

^B = Applies to all belt drive units

No annotation indicates selection applies to all models.

PENNBARRY PRODUCT SOLUTIONS



Commercial

Roof & wall exhaust centrifugal fans

Ceiling, wall, & inline centrifugal fans

Roof supply centrifugal fans

Square & round centrifugal fans

Wall mounted axial fans

Hooded roof axial fans

Upblast roof axial fans

Gravity ventilators

Roof curbs

🔀 Industrial

Freestanding centrifugal fans

Industrial & material handling fans

Tubular centrifugal inline fans

Mixed flow centrifugal fans

Plug & plenum fans

Wall mounted propeller fans

Tube axial fans

Vane axial fans

Bifurcator fans

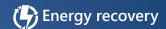
Lab exhaust



Kitchen ventilation

Make-up air units

Exhaust fans



Outdoor units

Indoor units

PennBarry is proud to be your preferred manufacturer of commercial and industrial fans and blowers. Learn how PennBarry can assist you in your next application by contacting your PennBarry Representative or visiting us on the web at www.pennbarry.com

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