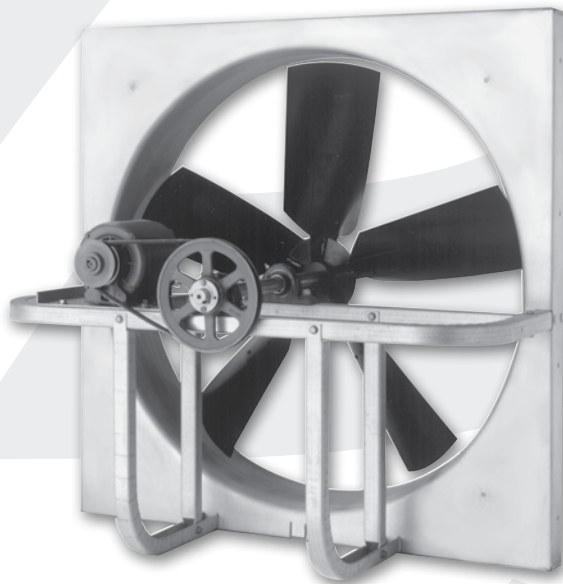




BZW08



BREEZEWAY

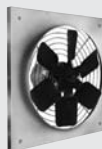
Wall Mounted Propeller Fans
Direct Drive and Belt Drive

MOVING YOUR WAY

› Breezeway Direct Drive Series

Model: P-Series

- Static pressure up to 1.25 in. wg.
- Flow capacity up to 6,500 CFM
- Exhaust or supply in light-duty applications
- Stamped aluminum propeller with steel hub, zinc-coated wire guard/power assembly mounted on RIS vibration isolators attached to a steel venturi panel
- Available in sizes 10" to 24"



Model: Breezex (BX)

- Static pressure up to 3/8 in. wg.
- Flow capacity up to 4,600 CFM
- Exhaust or supply in light-duty applications
- Stamped aluminum propeller with steel hub, a fabricated power assembly and steel venturi panel.
- Motors are base-mounted TE type
- Explosion-proof motors are available less reversing switch
- Available in sizes 10" to 24"



Model: BC-Series

- Static pressure up to .75 in. wg.
- Flow capacity up to 43,400 CFM
- Exhaust or supply in light-duty applications
- Available in sizes 24" to 54"



› Breezeway Belt Drive Series

Model: BLL-Series

- Static pressure up to .5 in. wg.
- Flow capacity up to 13,700 CFM
- Exhaust or supply in light-duty applications
- Fabricated steel propeller, fabricated steel power assembly, and a steel venturi panel
- Available in sizes 24" to 36"



Model: BHM-Series

- Static pressure up to 5/8 in. wg.
- Flow capacity up to 34,400 CFM
- Exhaust or supply in medium-duty applications
- High-efficiency fabricated steel propeller, galvanized power assembly, and a fully developed venturi, integrally spun into a galvanized panel
- Available in sizes 24" to 48"



Model: BHH-Series

- Static pressure up to 1 in. wg.
- Flow capacity up to 58,400 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 in sizes 24" to 60"



Model: BCH-Series

- Static pressure up to 1 in. wg.
- Flow capacity up to 68,000 CFM
- Exhaust or supply in heavy-duty applications
- High-efficiency cast aluminum air foil propeller, a fabricated steel power assembly and a heavy gauge venturi panel
- Available in sizes 24" to 60"



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› Breezeway Direct & Belt Drive Fans

PennBarry certifies that the Breezeway direct drive and belt drive models shown on pages 8 and 13 - 34 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.



› UL and CSA Certification

Breezeway fans (Models P, BLL, BHM, BHH & BCH) carry the UL label, UL 705, (ZACT), File #E28413.



Breezeway fans (Models P, BLL, BHM, BHH & BCH) are also certified by the Canadian Standard Association (File #LR13309).



PennBarry reserves the right to make changes at any time, without notice, to models, construction, specifications, options, availability, etc. This bulletin illustrates the appearance of PennBarry products at the time of publication. To view the latest updates, visit PennBarry at www.pennbarry.com.

Introduction

Breezeway Wall Mounted Propeller Fans



Introduction

Wall Mounted Propeller Fans



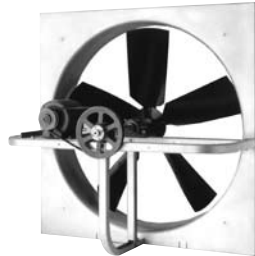
P-Series



BLL-Series



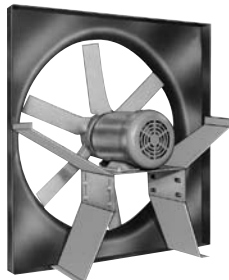
Breezex (BX)



BHM-Series



BHH-Series



BC-Series



BCH-Series

› 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 allow one of the broadest motor selections in the industry. All fans are fully assembled and test run prior to shipping and belt drive models are pre-set to the specified RPM.

› Breezeway Direct Drive Series

Model: P-Series

- Static pressure up to 1.25 in. wg.
- Flow capacity up to 6,500 CFM
- Exhaust or supply in light-duty applications
- Stamped aluminum propeller with steel hub, zinc-coated wire guard/power assembly mounted on RIS vibration isolators attached to a steel venturi panel
- Available in sizes 10" to 24"

Model: Breezex (BX)

- Static pressure up to 3/8 in. wg.
- Flow capacity up to 4,600 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.
- Motors are base-mounted TE type
- Explosion-proof motors are available less reversing switch
- Available in sizes 10" to 24"

Model: BC-Series

- Static pressure up to .75 in. wg.
- Flow capacity up to 43,400 CFM
- Exhaust or supply in light-duty applications
- Available in sizes 24" to 54"

› Breezeway Belt Drive Series

Model: BLL-Series

- Static pressure up to .5 in. wg.
- Flow capacity up to 13,700 CFM
- Exhaust or supply in light-duty applications
- Fabricated steel propeller, fabricated steel power assembly, and a steel venturi panel
- Available in sizes 24" to 36"

Model: BHM-Series

- Static pressure up to 5/8 in. wg.
- Flow capacity up to 34,400 CFM
- Exhaust or supply in medium-duty applications
- High-efficiency fabricated steel propeller, galvanized power assembly, and a fully developed venturi, integrally spun into a galvanized panel
- Available in sizes 24" to 48"

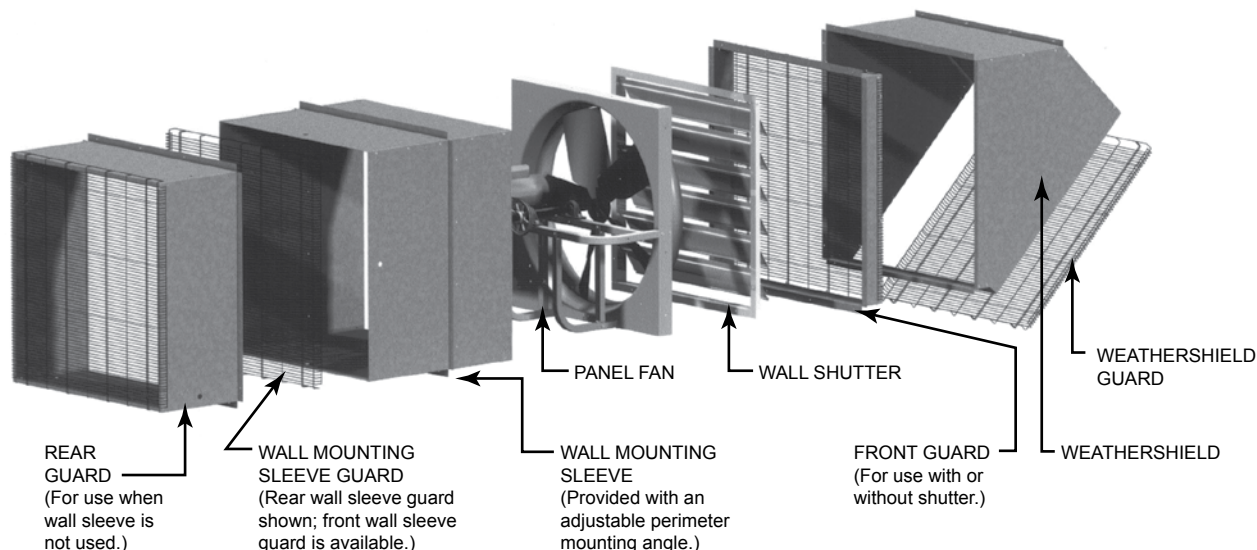
Model: BHH-Series

- Static pressure up to 1 in. wg.
- Flow capacity up to 58,400 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 in sizes 24" to 60"

Model: BCH-Series

- Static pressure up to 1 in. wg.
- Flow capacity up to 68,000 CFM
- Exhaust or supply in heavy-duty applications
- High-efficiency cast aluminum air foil propeller, a fabricated steel power assembly and a heavy gauge venturi panel
- Available in sizes 24" to 60"

Accessory Overview



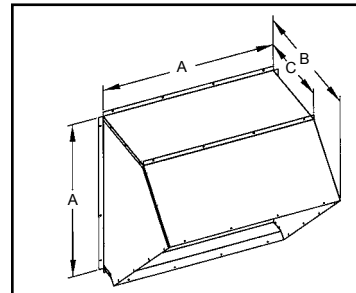
Protection that conforms to OSHA regulations should be installed when fans are located within seven (7) feet of floor and/or working level, or within reach of personnel. Review OSHA codes for specific details.

Weathershield

Weathershields 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 shutters. Guards are provided. Standard construction is galvanized steel, painted upon request. In order to minimize shipping costs, the weathershield 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.

Weathershield Drawing



Weathershield Dimensional Data

Size	P-Series						BLL*/BCH*/BC						
	10	12	16	18	20	24	24	30	36	42	48**	54**	60**
Wo	15 ¾	17 ¾	23 ½	25	27 ½	33 ¼	28 ¾	34 ¾	40 ¾	46 ¾	55	61	67
A	15 ¾	17 ¾	23	24 ½	27	32 ¾	28 ¾	34 ¾	40 ¾	46 ¾	54 ¼	60 ¼	66 ¼
B	18 ¾	19 11/16	23 ¾	24 13/16	26 9/16	30 ½	27 ¾	31 ¾	36 ¾	41	45 ¾	49 ⅝	54 ⅝
C	12 ¾	13 ⅛	15 ½	16 ⅛	17 ¼	19 ½	17 ⅝	20 ¼	23 ¾	25 ⅞	28 ¾	31	34 ¼
Max. Rec. Supply CFM	10	12	16	18	20	24	24	30	36	42	48	54	60
	806	1033	1837	2084	2531	3724	2771	4073	5625	7427	10219	12604	15240

All dimensions in inches. *Not supply. **BCH only.

Size	BHM/BHH							BX					
	24	30	36	42	48	54*	60*	12	14	16	18	20	24
Wo	15 ¾	17 ¾	23 ½	25	27 ½	33 ¼	28 ¾	34 ¾	40 ¾	46 ¾	55	61	67
A	15 ¾	17 ¾	23	24 ½	27	32 ¾	28 ¾	34 ¾	40 ¾	46 ¾	54 ¼	60 ¼	66 ¼
B	18 ¾	19 11/16	23 ¾	24 13/16	26 9/16	30 ½	27 ¾	31 ¾	36 ¾	41	45 ¾	49 ⅝	54 ⅝
C	12 ¾	13 ⅛	15 ½	16 ⅛	17 ¼	19 ½	17 ⅝	20 ¼	23 ¾	25 ⅞	28 ¾	31	34 ¼
Max. Rec. Supply CFM	10	12	16	18	20	24	24	-	-	-	-	-	-
	806	1033	1837	2084	2531	3724	2771	-	-	-	-	-	-

All dimensions in inches. *BHH only.

Introduction

Breezeway Wall Mounted Propeller Fans

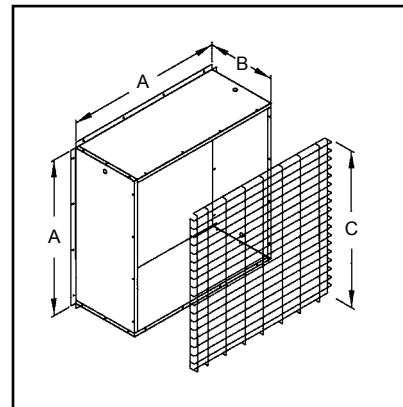
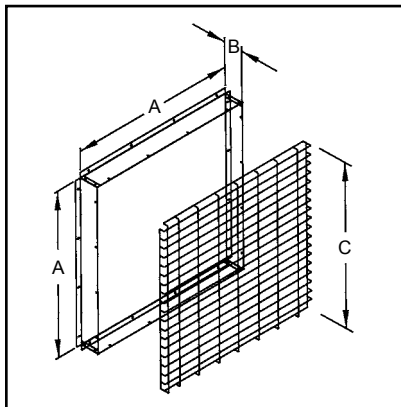


Options & Accessories

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 shutter, 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.

Front (Left) & Rear (Right) Guard Dimensional Data



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.

Front & Rear Guard Dimensional Data

Size	P-Series						BLI*/BCH*/BC						
	10	12	16	18	20	24	24	30	36	42**	48**	54**	60**
A	-	-	-	-	-	-	28 3/16	34 3/16	40 3/16	46 3/16	54 ¼	60 ¼	66 ¼
B	-	-	-	-	-	-	13 ½	16 ½	16 ½	20 ½	25	25	25
C ^{SQ.}	15 ½	17 ½	23 ¼	24 3/4	27 ¼	33	28 ⅝	34 ⅝	40 ⅝	46 ⅝	54 ¾	60 ¾	66 ¾
SCREEN	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	2 PIECES	2 PIECES

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

Size	BHM/BHH							BX					
	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
C	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	1 PIECE	1 PIECE	1 PIECE	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 / Weathershield Guards

These guards are supplied with the Weathershield and Wall Sleeve. They are fabricated 11 ga. galvanized wire "cage" 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.

Wall Mounting Sleeve Guard / Weathershield Guard Dimensional Data

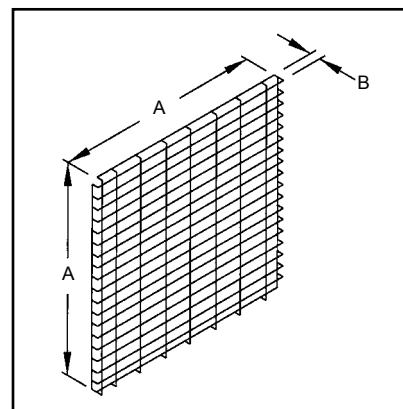
Size	BC/BLL/BCH						
	24	30	36	42*	48*	54*	60*
A ^{sq.}	29	34 5/8	40 5/8	46 5/8	54 1/4	60 3/4	66 3/4
B	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
SCREEN	1 PIECE	1 PIECE	1 PIECE	1 PIECE	1 PIECE	2 PIECES	2 PIECES

All dimensions in inches. *BCH only.

Size	BHM/BHH						
	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
B	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. *BHH only.

Guard Dimensional Data



› Wall Shutters

Type WSR recessed gravity shutters, the most popular form of backdraft protection, open when the fan starts and automatically close shut when the fan stops. These shutters 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 shutters, 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 shutter.

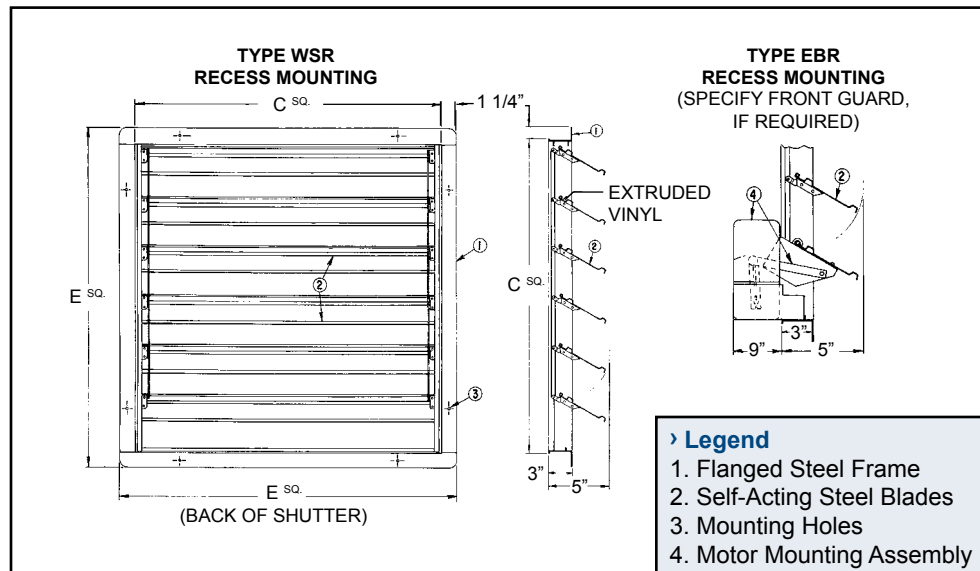
The motor is field wired in parallel with the fan. Allow a minimum 7" between the fan and the shutter when motorized. Larger actuators will be provided with a transformer for 460V.

Shutters required for supply applications are provided as motorized center-pivot type (not illustrated.) If standard top-pivot shutter 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, fan velocities greater than 500 FPM can pull water into the structure. We suggest that a PennBarry Weathershield be selected in supply applications to help prevent water penetration when high velocity conditions cannot be avoided.

› Wall Shutter Dimensional Data

› Wall Shutter Dimensional Data



Size	P-Series							BLL/BCH/BC					
	10	12	16	18	20	24	24	30	36	42*	48*	54*	60*
E ^{SQ.}	17 ½	19 ½	25 ¼	26 ¾	29 ¼	34 ¾	30 ½	36 ½	42 ½	48 ½	56 ½	62 ½	68 ½
C ^{SQ.}	15	17	22 ¾	24 ¼	26 ¾	32 ¼	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	BHM/BHH							BX					
	24	30	36	42	48	54*	60*	12	14	16	18	20	24
E ^{SQ.}	34 ½	40 ½	46 ½	52 ½	58 ½	64 ½	70 ½	17 ½	19 ½	21 ½	23 ½	25 ¼	29 ¼
C ^{SQ.}	32	38	44	50	56	62	68	15	17	19	21	22 ¾	26 ¾
No. Panels	1	1	2	2	2	2	2	1	1	1	1	1	1

All dimensions in inches. *BHH only.

› Safety Disconnect Switch

Safety disconnect 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 disconnect switches are available for indoor, outdoor, and explosion proof installations. Disconnects 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.

Introduction

Breezeway Wall Mounted Propeller Fans



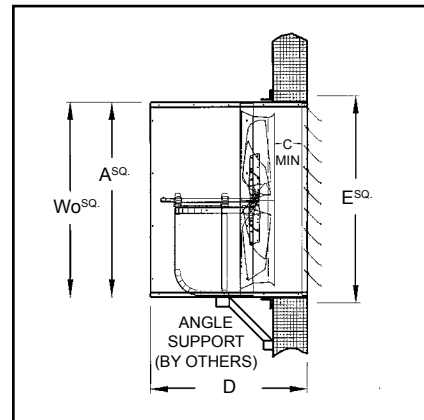
Options & Accessories

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 BHM and 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 shutter shown for reference only. E dimension includes flange.

Wall Sleeve Dimensional Data



Wall Sleeve Dimensional Data

Size	P-Series						BC/BLL/BCH						
	10	12	16	18	20	24	24	30	36	42*	48*	54*	60*
WoSQ.	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
ASQ.	15 3/4	17 3/4	23	24 1/2	27	32 1/2	28 3/4	34 3/4	40 3/4	46 3/4	54 3/4	60 3/4	66 3/4
CMIN.	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
ESQ.	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	BHM/BHH							BX					
	24	30	36	42	48	54*	60*	12	14	16	18	20	24
WoSQ.	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
ASQ.	32 3/4	38 3/4	44 3/4	50 3/4	56 3/4	62 3/4	68 3/4	14 3/4	16 3/4	19 1/4	21 1/4	23 1/4	27 1/4
CMIN.	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
ESQ.	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

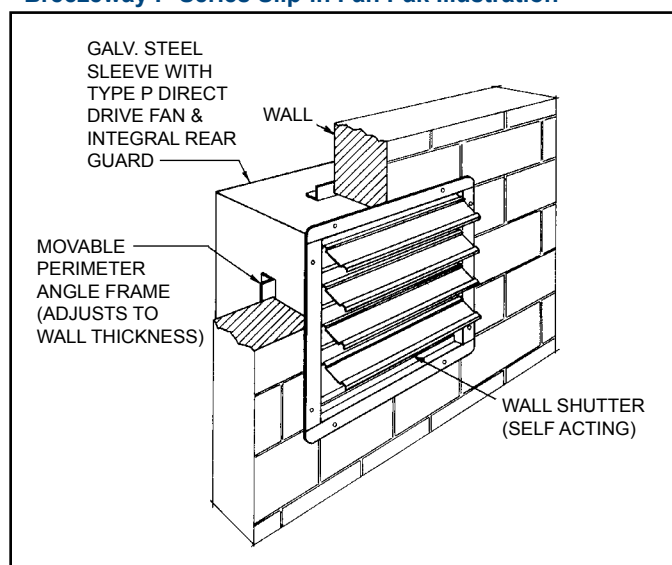
*All dimensions in inches. *BHH only.*

Breezeway P-Series Slip-in Fan Pak

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 shutter on the exterior face. (A motorized shutter can be substituted for the standard shutter 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.

Breezeway P-Series Slip-in Fan Pak Illustration



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› 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.

› Nema Motor Frame Size

HP	Single Phase					220V, 230V, 460V, or 575V - Three Phase			
	ODP		TE	EXP	2S2W	ODP	TE	EXP	2S2W
	115V	230V	115/230						
1/4	48	58	58	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	56	56	56	145T
1 1/2	56	56	145T	184T	-	56	56	56	182T
2	145T	145T	182T	182T	-	56/145T	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 horsepower 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.

› Direct Drive Motor Availability

The following chart lists the various motor options available for each of the direct drive fan models. Once a fan model is selected, this chart can be used to determine if a suitable motor is available. (If not, another selection may have to be made from the fan performance charts). Look under the nominal RPM heading to determine which fans have 2-speed and 3-speed motors.

› Breezeway BC Direct Drive Motor Availability

Model	Nominal HP	RPM				Single Phase			Three Phase				
		690 M	860 W	1140 T	1725 Q	OPEN 115/230V	TE	EXP	OPEN	TE	EXP	2S1W	2S2W
BC24W1	1/6	-	X	-	-	YES	YES	-	YES	-	-	-	-
BC24W2	1/3	-	X	-	-	YES	-	-	YES	YES	-	-	-
BC24T1	1/2	-	-	X	-	YES	YES	YES	YES	YES	YES	-	-
BC24T2	1	-	-	X	-	YES	YES	YES	YES	YES	YES	YES	YES
BC24Q	1 1/2	-	-	-	X	YES	YES	YES	YES	YES	YES	YES	YES
BC30W1	1/3	-	X	-	-	YES	-	-	YES	YES	-	-	-
BC30W2	1/2	-	X	-	-	YES	-	-	YES	YES	-	-	-
BC30W3	3/4	-	X	-	-	-	-	-	YES	YES	-	-	-
BC30T1	1	-	-	X	-	YES	YES	YES	YES	YES	YES	YES	YES
BC30T2	1 1/2	-	-	X	-	YES	YES	YES	YES	YES	YES	YES	YES
BC30Q1	3	-	-	-	X	YES	YES	YES	YES	YES	YES	YES	YES
BC30Q2	5	-	-	-	X	-	YES	YES	YES	YES	YES	YES	YES
BC36W1	1	-	X	-	-	-	-	-	YES	YES	-	-	-
BC36W2	1 1/2	-	X	-	-	-	-	-	YES	YES	-	-	-
BC36T1	3	-	-	X	-	YES	YES	-	YES	YES	YES	YES	YES
BC36Q	7 1/2	-	-	-	X	-	YES	-	YES	YES	YES	YES	YES
BC42W1	2	-	X	-	-	-	-	-	YES	YES	-	-	-
BC42W2	5	-	X	-	-	-	-	-	YES	YES	YES	-	-
BC42T	5	-	-	X	-	-	YES	-	YES	YES	-	YES	YES
BC48W1	3	-	X	-	-	-	-	-	YES	YES	YES	-	-
BC48W2	5	-	X	-	-	-	-	-	YES	YES	-	-	-
BC48W3	7 1/2	-	X	-	-	-	-	-	YES	YES	-	-	-
BC48T1	7 1/2	-	-	X	-	-	-	-	YES	YES	-	YES	YES
BC48T2	10	-	-	X	-	-	-	-	YES	YES	YES	YES	YES
BC54M	5	X	-	-	-	-	-	-	YES	YES	YES	-	-
BC54W	10	-	X	-	-	-	-	-	YES	YES	-	-	-

Introduction

Breezeway Wall Mounted Propeller Fans



Motor Availability

› Breezex (BX) Direct Drive Motor Availability

Model	Nominal HP	RPM		Single Phase		230/460 ODP - Three Phase	
		1140	1725	TE (A) 115V Only	EXP 115/230V	TE (A)	EXP
BX12Q	1/6	-	X	YES	YES	YES	-
BX14Q	1/6	-	X	YES	YES	YES	-
BX16T	1/6	X	-	YES	YES (B)	YES	-
BX16Q	1/3	-	X	YES	YES	YES	YES
BX18T	1/4	X	-	YES	YES	YES	-
BX18Q	1/3	-	X	YES	YES	YES	YES
BX20T	1/4	X	-	YES	YES	YES	-
BX20Q	1/3	-	X	YES	YES	YES	YES
BX24T	1/3	X	-	YES	YES (C)	YES	YES
BX24Q	1/2	-	X	YES	YES	YES	YES

(A) Use TE for ODP applications. (B) Uses 1/4 HP. (C) Uses 1/2 HP.

› 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 on the following page 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

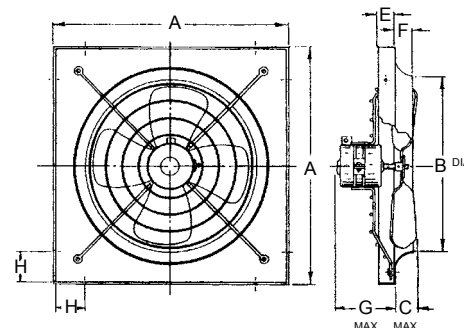
Model	Nominal HP	RPM				Single Phase					
		1050	1300	1550	1650	115/1/60 ODP		230/1/60 ODP		TE 115/200/240/1	
						Avail.	Lek-Trol	Avail.	Lek-Trol	Avail.	Lek-Trol
P10VA	1/30	X	-	-	-	YES	LT30	-	-	-	-
P10RA	1/12	-	-	X	-	YES	LT30	USE TE	LT35	YES (2)	LT30/35*
P12VA	1/12	X	-	-	-	YES	LT30	-	-	-	-
P12RA	1/4	-	-	X	-	YES	LT50	USE TE	LT35	YES (2)	LT30/35*
P16VA	1/3	X	-	-	-	YES	-	-	-	-	-
P16SA	1/2	-	X	-	-	YES	LT50	-	-	-	-
P16RA	1/2	-	-	X	-	YES	LT40	USE TE	-	YES (2)	-
P16Q1A	3/4	-	-	-	X	YES	LT60	USE TE	-	YES (2)	-
P18VA	1/2	X	-	-	-	YES	-	-	-	-	-
P18RA	3/4	-	-	X	-	YES	-	-	-	-	-
P20TA	3/4	X (1)	-	-	-	USE TE	-	USE TE	-	YES (2)	-
P20SA	1	-	X	-	-	YES	-	YES	-	-	-
P24VA	3/4	X	-	-	-	USE TE	-	USE TE	-	YES (2)	-

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

› P-Series Direct Drive Fan Dimensional Data

MODEL	A	B DIA.	C MAX.	E	F	G MAX.	H	WALL OPENING W _o	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	1 7/8	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 3/4	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	1 3/4	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.



Wall Mounted Propeller Fans

› P-Series Direct Drive Fan Performance Data

Model	HP	Max Watts	RPM	Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.250" SP		1.250" SP	
					CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones
P10VA	1/30	80	1050	2749	753	4.6	531	7.5	457	7.9	385	7.2	239	6.7	-	-	-	-	-	-	-	-	-	-
P10RA	1/12	115	1550	4058	841	5.8	699	6.5	631	7.3	570	8.5	486	10.8	425	12.5	387	12.9	321	13.2	-	-	-	-
P12VA	1/12	204	1050	3299	1354	10.7	1176	9.5	1090	9.9	959	10.5	755	11.1	615	10.1	240	10.0	-	-	-	-	-	-
P12RA	1/4	174	1550	4869	1489	10.3	1367	9.8	1326	10.1	1281	10.5	1160	11.7	1046	13.2	882	15.5	798	16.9	568	19.6	210	20
P16VA	1/3	463	1050	4398	2546	9.1	2088	8.8	1859	8.7	1699	8.6	1257	8.3	-	-	-	-	-	-	-	-	-	-
P16SA	1/2	550	1300	5445	3143	13.7	2933	14	2856	14.1	2758	14.3	2495	14.6	2244	15.0	1982	15.3	1671	15.4	-	-	-	-
P16RA	1/2	724	1550	6492	3555	14	3301	14.1	3256	14.1	3211	14.2	3102	14.5	2955	15.3	2736	16.9	2514	18.3	1979	20	1772	21
P16Q1A	3/4	962	1650	6911	3760	16.3	3557	16.6	3508	16.7	3459	16.7	3358	16.9	3256	17.1	3123	17.6	2864	18.9	2369	22	2032	24
P18VA	1/2	522	1050	4948	4210	15.2	3845	15.1	3768	15.1	3661	15.1	3370	15.3	3030	15.1	2719	13.6	2215	13.1	-	-	-	-
P18RA	3/4	1265	1550	7304	5233	20	4971	21	4971	21	4919	21	4787	22	4633	23	4383	25	4029	28	3547	35	3083	34
P20TA	3/4	815	1140	5969	4852	16.2	4449	16.4	4318	16.5	4185	16.7	3898	17.1	3570	17.7	3278	18.4	2717	20	1969	24	1200	25
P20SA	1	1415	1300	6807	6063	22	5786	22	5692	21	5597	21	5397	21	5149	21	4835	21	4466	21	3909	22	3121	23
P24VA	3/4	1117	1050	6597	6562	14.6	6210	14.6	6136	14.7	6063	14.7	5917	14.7	5758	14.9	5576	15.2	5249	15.8	4065	19.3	3654	21

Performance shown is for installation Type A: Free Inlet, Free Outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Performance ratings include the effect of backguard in the airstream. For models shown on this page, the AMCA Certified Ratings Seal applies to air and sound.

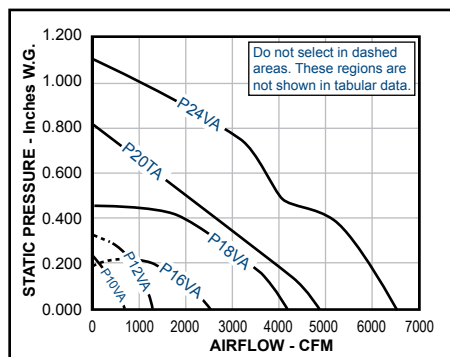
› P-Series Direct Drive Fan Curves

The fan curves illustrated here show the range of capacities available for P-Series direct drive units. Each graph shows the performance of several models at one particular nominal speed. Fan curves provide a quick method for selecting a fan unit based on design point requirements.

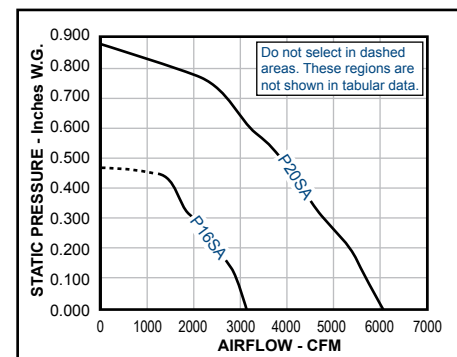
The direct drive performance charts provide the tabular data (CFM and static pressure) used to plot the fan curves. In addition, horsepower, tip speed and sones are tabulated. Since sound is normally an important factor in the selection of a fan, an engineer will usually want to select the "slowest" unit which meets CFM and SP requirements. Please refer to the Motor Selection section to make sure the motor you select meets your electrical requirements.

Note: Breezeway fans are only one component of a total system. As such, fan performance is directly affected by the system. It is critical that system designers determine the actual system loss to ensure that the actual flow is specified in the system design.

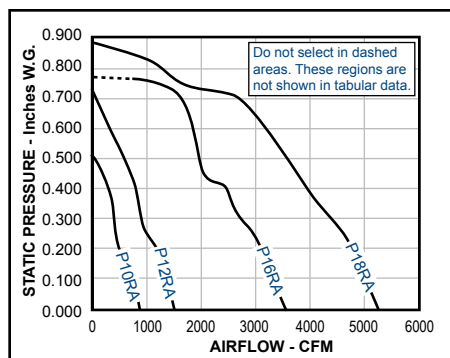
› P-Series Fan Curve 1050/1140 RPM



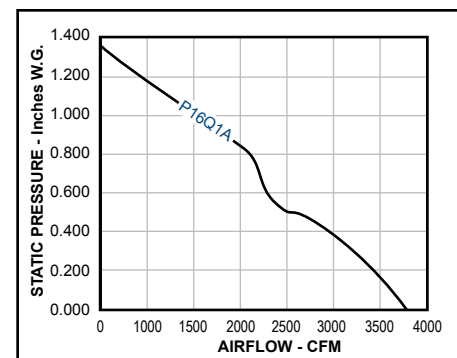
› P-Series Fan Curve 1300 RPM



› P-Series Fan Curve 1550 RPM



› P-Series Fan Curve 1650 RPM



Breezeway

Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Direct Drive

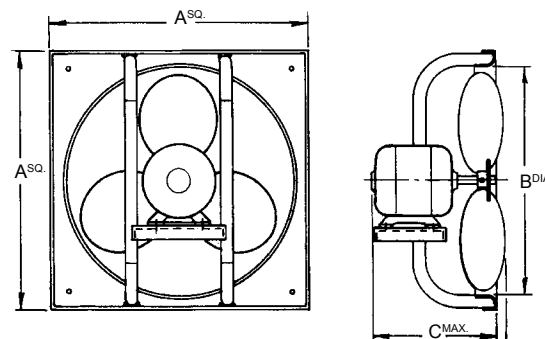


Breezex BX

› Breezex BX Direct Drive Fan Dimensional Data

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.



› Breezex BX (Supply) Direct Drive Fan Performance Data

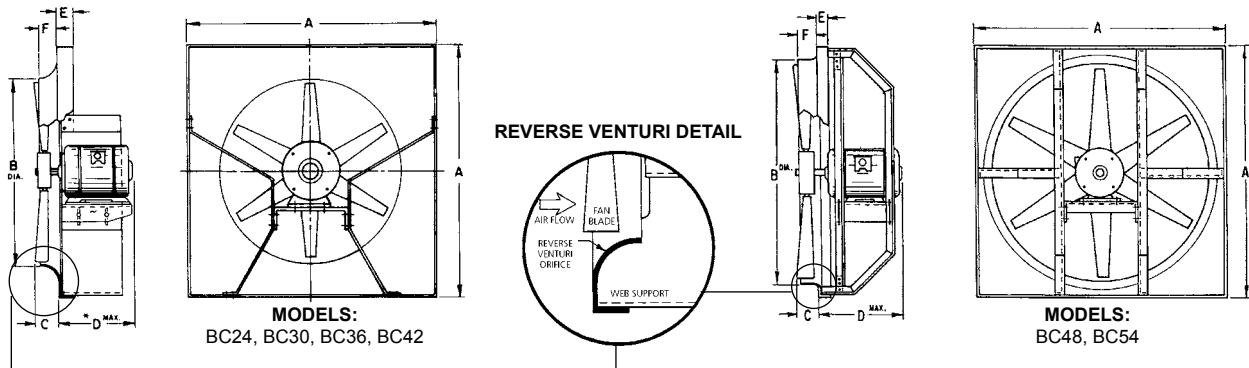
Model	HP	Fan Dia.	RPM	Tip Speed FPM	0.000" SP	0.125" SP	0.250" SP	0.375" SP	Sones @ .125"
					CFM	CFM	CFM	CFM	
BX12Q	1/6	12"	1725	5423	1400	1260	1050	805	4.0
BX14Q	1/6	14"	1725	6327	2000	1780	1580	1150	11.0
BX16T	1/6	16"	1140	4779	2255	1885	1390	650	7.2
BX16Q	1/3	16"	1725	7231	3035	2760	2550	2250	13.0
BX18T	1/4	18"	1140	5376	3100	2670	2100	820	8.2
BX18Q	1/3	18"	1725	8135	3500	3040	2275	1400	12.8
BX20T	1/4	20"	1140	5974	3800	3160	2590	2240	9.3
BX20Q	1/3	20"	1725	9039	3750	3440	3200	2560	14.0
BX24T	1/3	24"	1140	7168	4720	4540	3855	3000	14.8
BX24Q	1/2	24"	1725	10847	4650	4400	3800	3480	20.0

› Breezex BX (Exhaust) Direct Drive Fan Performance Data

Model	HP	Fan Dia.	RPM	Tip Speed FPM	0.000" SP	0.125" SP	0.250" SP	0.375" SP	Sones @ .125"
					CFM	CFM	CFM	CFM	
BX12Q	1/6	12"	1725	5423	1125	815	675	530	4.0
BX14Q	1/6	14"	1725	6327	1565	1395	1205	920	11.0
BX16T	1/6	16"	1140	4779	1995	1520	1000	600	7.2
BX16Q	1/3	16"	1725	7231	2530	2345	1835	1430	13.0
BX18T	1/4	18"	1140	5376	2365	2040	1605	625	8.2
BX18Q	1/3	18"	1725	8135	3000	2480	1980	1285	12.8
BX20T	1/4	20"	1140	5974	2705	2265	2130	1835	9.3
BX20Q	1/3	20"	1725	9039	3070	2835	2540	2245	14.0
BX24T	1/3	24"	1140	7168	3610	3475	2945	2295	14.8
BX24Q	1/2	24"	1725	10847	3555	3365	2905	2660	20.0

Performance shown is for installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sone ratings shown are loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation Type A: Free inlet fan sone levels.

› Breezeway BC Direct Drive Fan Dimensional Data



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

All dimensions are in inches.

› Breezeway BC Direct Drive Fan Performance Data

Model	HP	Max Watts	RPM	Tip Speed FPM	0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.750" SP		Sones @ .125"
					CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	
BC24W1	1/2	24"	860	5404	3153	0.15	1988	0.16	1097	0.18	-	-	-	-	13.1
BC24W2	1/2	24"	860	5404	4444	0.40	2306	0.40	-	-	-	-	-	-	13.9
BC24T1	1/3	24"	1140	7163	4718	0.33	3957	36.00	3054	0.36	2273	0.38	-	-	18.9
BC24T2	1	24"	1140	7163	7025	0.95	5500	0.94	3800	0.94	2310	0.93	-	-	20.0
BC24Q	1 1/2	24"	1750	10996	7725	1.15	7380	1.19	6995	1.25	6500	1.28	5445	1.31	33.0
BC30W1	1/3	30"	860	6754	5641	0.29	3660	0.31	-	-	-	-	-	-	14.4
BC30W2	1/2	30"	860	6754	7624	0.41	6372	0.44	4084	0.43	1661	0.42	-	-	15.9
BC30W3	3/4	30"	860	6754	9034	0.64	7897	0.66	6430	0.67	3238	0.67	-	-	16.8
BC30T1	1	30"	1140	8954	10717	0.90	9884	0.97	8969	1.01	7767	1.04	3775	0.97	23.0
BC30T2	1 1/2	30"	1140	8954	12606	1.48	11771	1.50	10922	1.52	10022	1.54	7017	1.51	24.0
BC30Q1	3	30"	1750	13744	13643	2.28	12782	2.34	12157	2.39	11581	2.47	10164	2.59	36.0
BC30Q2	5	30"	1750	13744	17110	3.04	16625	3.19	16140	3.34	15600	3.45	14405	3.58	40.0
BC36W1	1	36"	860	8105	11099	0.88	9337	0.92	5963	0.95	2525	1.09	-	-	19.0
BC36W2	1 1/2	36"	860	8105	13248	1.25	11249	1.34	6912	1.28	-	-	-	-	21.0
BC36T1	3	36"	1140	10744	18526	2.85	17232	2.94	15820	3.06	13680	3.12	6422	2.99	31.0
BC36Q	7 1/2	36"	1750	16496	25430	7.13	24372	7.21	23476	7.30	22719	7.40	21040	7.58	48.0
BC42W1	2	42"	860	9456	20033	1.94	18114	2.01	16008	2.06	12931	2.14	-	-	24.0
BC42W2	5	42"	860	9456	23083	3.58	21837	3.70	20394	3.75	18525	3.76	13396	3.75	30.0
BC42T	5	42"	1140	12535	27644	4.38	26201	4.56	24750	4.67	23297	4.70	19880	4.87	35.0
BC48W1	3	48"	860	10807	25547	2.74	23003	2.85	20415	2.89	17287	2.90	8499	2.88	31.0
BC48W2	5	48"	860	10807	30186	3.98	27927	4.08	25555	4.17	22891	4.26	10571	4.47	34.0
BC48W3	7 1/2	48"	860	10807	33416	5.63	31631	5.73	29705	5.83	27640	5.90	22719	5.80	38.0
BC48T1	7 1/2	48"	1140	14326	35342	6.23	33384	6.44	31458	6.59	29638	6.67	25448	6.75	45.0
BC48T2	10	48"	1140	14326	41224	9.18	39622	9.31	37948	9.43	36214	9.56	32477	9.79	48.0
BC54M	5	54"	690	9755	34071	3.99	31816	4.04	29388	4.06	25491	4.12	12345	3.59	30.0
BC54W	10	54"	860	12158	43437	7.68	41645	7.76	39842	7.81	38091	7.83	32441	7.99	41.0

Performance shown is for installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sone ratings shown are loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation Type A: Free inlet fan sone levels.

Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



Belt Drive Performance Data

Performance Data

The belt drive models shown on the following pages have sizes and capacities ranging from below 300 CFM to above 46,000 CFM, with static pressures from 0" to above 1". All models are available with a wide range of horsepower sizes and RPM's. Two-speed motors are commonly used to enhance this flexibility.

The data provided for each belt drive model includes:

- Elevation Drawing Showing Overall Dimensions
- Fan Curve Graph
- Performance Chart

Each curve graphically displays the range of capacities available for each model, in most cases beyond the specifics shown in the tabular data. The maximum performance afforded by each horsepower is indicated by dashed lines and the RPM is indicated by solid lines.

Some models have graphs that show both shaded and unshaded areas. Selection should be made from the unshaded area only.

The highest RPM shown for a specific horsepower in the tabular data is the maximum speed that for any point along the performance curve, the BHP will not exceed the available horsepower.

It is important to note that while it is common industry-wide practice to exceed a "nominal" horsepower by using a motor's service factor, PennBarry uses a conservative portion of the service factor, allowing half to remain a true "safety" factor.

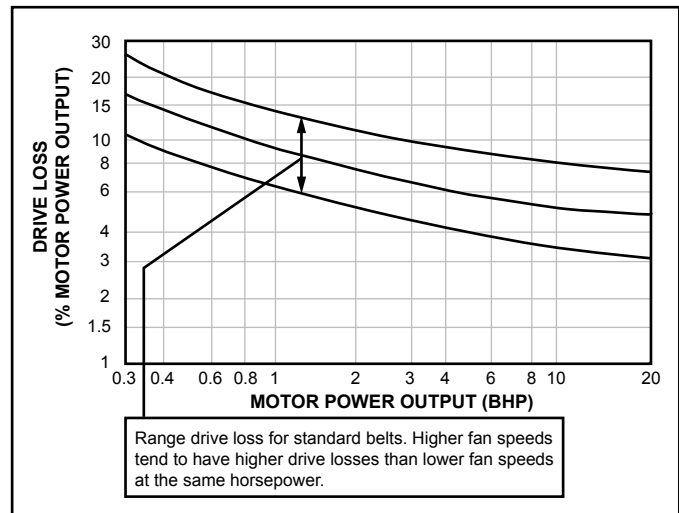
Use the Motor Availability chart (see Motor Selection) to select motor enclosures and voltages which can be installed in the fans.

Note: Breezeway fans are only one component of a total system. As such, performance is directly affected by the system. It is critical that system designers determine actual system losses to ensure that the actual flow is specified in the system range.

Belt Drive Losses

The AMCA Review Committee has developed the chart shown below for the purpose of estimating belt drive losses. To calculate total BHP (including drive losses): Find the BHP of your operating point on the x-axis on the graph below. Follow the vertical line to the curves indicating the range of drive losses. Look at the y-axis on the left and find the drive loss percentage. Calculate the total BHP by adding the drive loss to the operating point BHP. For BHP's below 0.3, use 30%.

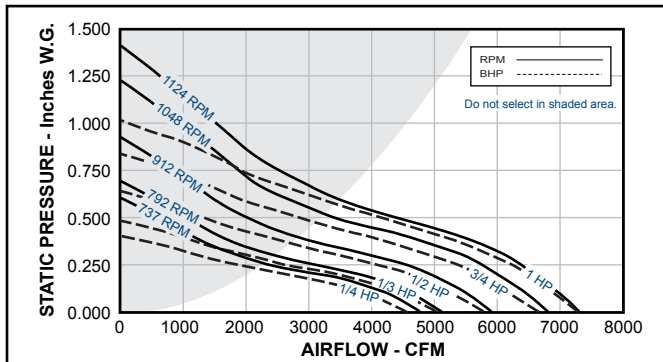
Drive Loss Reference Chart



! For totally enclosed, explosion proof, multi-speed and all 1.0 Service Factor motors, fan BHP plus drive losses should not exceed motor rated HP.

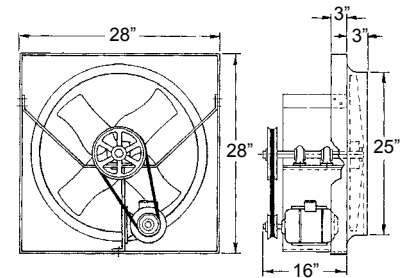
Graph reprinted from AMCA publication 203, with the express written permission from the Air Movement and Control Association, Inc., 30 West University Drive, Arlington Heights, IL 60004-1983.

► BLL24 Belt Drive Fan Curves



► BLL24 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Galv. Steel Web = 12 Gage
Wall Opening = 28" SQ.
Wall Shutter ID = 28" SQ.
Max. Motor Frame Size = 56
Peak BHP = (RPM/941) ³
Max. RPM = 1124 (1 HP)
Est. Ship Weight = 95 lbs.



► BLL24 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.150" SP		0.200" SP		0.250" SP		0.300" SP		0.375" SP		0.500" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	470	2953	3043		1541		-		-		-		-		-		-		-	
			6.3	0.07	6.3	0.08														
	530	3330	3431		2313		1786		-		-		-		-		-		-	
			7.8	0.11	7.5	0.11	7.7	0.11												
	570	3581	3690		2762		2312		1814		-		-		-		-		-	
			8.9	0.13	8.7	0.14	8.7	0.14	8.9	0.14										
	630	3958	4078		3345		3009		2601		-		-		-		-		-	
			10.7	0.18	10.7	0.19	10.7	0.19	10.7	0.19										
1/3	690	4335	4467		3837		3620		3295		2527		-		-		-		-	
			14.0	0.23	13.4	0.24	13.3	0.25	13.2	0.25	13.5	0.25								
	720	4524	4661		4078		3870		3618		2912		-		-		-		-	
			14.9	0.26	14.0	0.28	13.9	0.28	13.8	0.28	13.9	0.28								
	737	4631	4771		4209		4010		3798		3120		2353		-		-		-	
			15.5	0.28	14.4	0.30	14.3	0.30	14.2	0.30	14.2	0.30	14.7	0.30						
1/2	750	4712	4855		4307		4116		3916		3277		2532		-		-		-	
			16.0	0.30	14.8	0.31	14.6	0.31	14.6	0.32	14.5	0.32	15.0	0.32						
	770	4838	4985		4457		4278		4084		3510		2806		-		-		-	
			16.4	0.32	15.3	0.34	15.1	0.34	15.1	0.34	15.0	0.34	15.4	0.34						
3/4	792	4976	5127		4620		4456		4266		3753		3095		-		-		-	
			16.9	0.35	15.9	0.36	15.7	0.37	15.6	0.37	15.6	0.37	15.9	0.37						
	800	5027	5179		4678		4520		4332		3840		3194		2502		-		-	
			17.1	0.36	16.1	0.37	15.9	0.38	15.8	0.38	15.8	0.39	16.1	0.38	16.6	0.39				
	825	5184	5341		4855		4714		4537		4110		3500		2821		-		-	
			18.0	0.40	16.9	0.41	16.7	0.41	16.5	0.42	16.5	0.42	16.7	0.42	17.2	0.42				
	850	5341	5503		5031		4901		4739		4375		3801		3161		-		-	
			19.6	0.43	18.3	0.45	17.9	0.45	17.5	0.46	17.3	0.46	17.4	0.46	17.8	0.46				
1	875	5498	5665		5206		5088		4940		4598		4081		3482		-		-	
			21.0	0.47	19.5	0.49	19.1	0.49	18.7	0.50	18.1	0.50	17.9	0.51	18.2	0.05				
	900	5655	5827		5381		5270		5136		4806		4354		3789		2855		-	
			22.0	0.51	20.0	0.53	19.9	0.53	19.6	0.54	19.0	0.54	18.7	0.55	18.8	0.55	19.4	0.55		
	912	5730	5904		5465		5355		5226		4906		4484		3934		3010		-	
			22.0	0.53	21.0	0.55	20.0	0.55	20.0	0.56	19.4	0.57	19.1	0.57	19.1	0.57	19.6	0.57		
	920	5781	5956		5520		5411		5286		4972		4570		4031		3121		-	
			22.0	0.55	21.0	0.56	21.0	0.57	20.0	0.57	19.7	0.58	19.4	0.59	19.4	0.59	19.7	0.59		
	945	5781	5956		5520		5411		5286		4972		4570		4031		3121		-	
			23.0	0.59	22.0	0.61	21.0	0.61	21.0	0.62	21.0	0.63	20.0	0.63	20.0	0.64	20.0	0.63		
1	970	6095	6280		5866		5763		5659		5380		5071		4596		3791		-	
			23.0	0.64	22.0	0.66	22.0	0.66	21.0	0.67	21.0	0.68	21.0	0.68	21.0	0.69	21.0	0.68		
	995	6095	6280		5866		5763		5659		5380		5071		4596		3791		-	
			23.0	0.69	22.0	0.71	22.0	0.72	22.0	0.72	21.0	0.73	21.0	0.74	21.0	0.74	22.0	0.74		
	1020	6409	6604		6210		6112		6014		5781		5488		5136		4403		-	
			24.0	0.75	23.0	0.76	23.0	0.77	22.0	0.77	22.0	0.78	22.0	0.79	22.0	0.80	23.0	0.80		
	1048	6585	6785		6402		6306		6211		5996		5718		5432		4735		3405	
			25.0	0.81	24.0	0.83	24.0	0.83	24.0	0.84	23.0	0.85	23.0	0.86	23.0	0.86	24.0	0.87	24.0	0.87
1	1060	6660	6863		6484		6390		6295		6086		5816		5533		4869		3572	
			26.0	0.84	25.0	0.86	25.0	0.86	25.0	0.87	24.0	0.88	24.0	0.88	24.0	0.89	24.0	0.90	25.0	0.90
	1090	6849	7057		6689		6597		6505		6311		6059		5784		5199		3982	
			29.0	0.91	28.0	0.93	27.0	0.94	27.0	0.94	26.0	0.95	25.0	0.96	25.0	0.97	25.0	0.98	26.0	0.97
	1110	6974	7186		6825		6735		6644		6459		6221		5951		5416		4251	
1			30.0	0.96	29.0	0.98	28.0	0.99	28.0	0.99	27.0	1.00	26.0	1.01	26.0	1.02	26.0	1.03	27.0	1.02
	1124	7062	7277		6920		6831		6742		6563		6333		6066		5567		4426	
			31.0	1.00	29.0	1.02	29.0	1.02	29.0	1.03	28.0	1.04	27.0	1.05	27.0	1.06	27.0	1.07	27.0	1.07

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

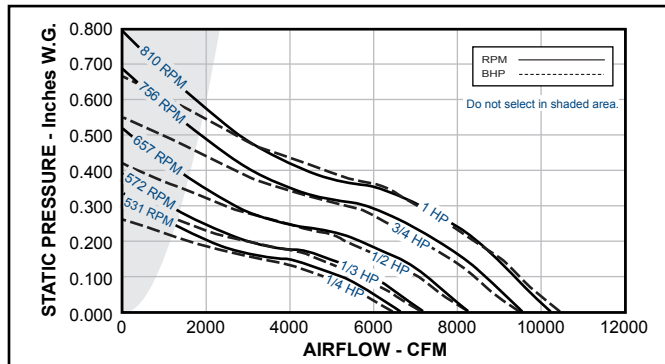
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



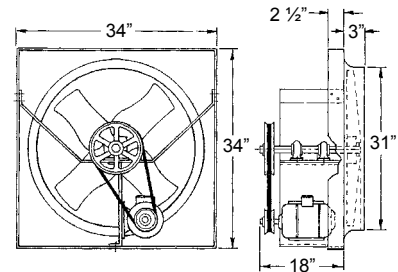
BLL30

BLL30 Belt Drive Fan Curves



BLL30 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Galv. Steel Web = 10 Gage
Wall Opening = 34 3/4" SQ.
Wall Shutter ID = 34" SQ.
Max. Motor Frame Size = 56
Peak BHP = (RPM/741) ³
Max. RPM = 842 (1 HP)
Est. Ship Weight = 110 lbs.



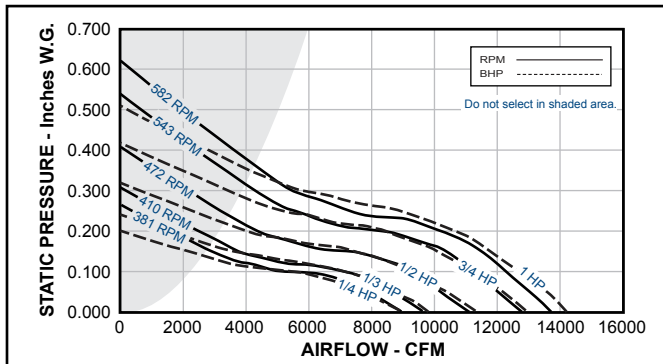
BLL30 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.150" SP		0.200" SP		0.250" SP		0.300" SP		0.375" SP		0.500" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	420	3299	5331		2695		1694		1139		-		-		-		-		-	
			8.2	0.13	8.6	0.13	9.3	0.14	9.9	0.15	-		-		-		-		-	
	445	3495	5648		3612		2296		1581		-		-		-		-		-	
			9.0	0.16	8.9	0.16	9.4	0.16	10.1	0.17	-		-		-		-		-	
	460	3613	5838		3952		2684		1854		-		-		-		-		-	
			9.5	0.17	9.4	0.18	9.7	0.17	10.3	0.18	-		-		-		-		-	
	475	3731	6029		4265		3217		2212		-		-		-		-		-	
			10.0	0.19	9.8	0.20	10.1	0.19	10.6	0.20	-		-		-		-		-	
	490	3848	6219		4565		3861		2576		1404		-		-		-		-	
			10.5	0.21	10.4	0.23	10.5	0.22	11.1	0.21	12.3	0.23	-		-		-		-	
1/3	505	3966	6409		4861		4211		2978		1665		-		-		-		-	
			11.1	0.23	10.9	0.25	11.1	0.24	11.6	0.23	12.8	0.25	-		-		-		-	
	520	4084	6600		5127		4543		3508		1939		-		-		-		-	
			11.7	0.25	11.6	0.27	11.7	0.27	12.1	0.25	13.3	0.27	-		-		-		-	
	531	4170	6739		5320		4767		4029		2138		-		-		-		-	
			12.2	0.26	12.0	0.29	12.2	0.29	12.4	0.27	13.7	0.28	-		-		-		-	
	540	4241	6854		5476		4948		4306		2344		1431		-		-		-	
			12.5	0.28	12.3	0.30	12.5	0.30	12.7	0.29	13.7	0.29	14.9	0.31	-		-		-	
	560	4398	7108		5819		5344		4765		2835		1782		-		-		-	
			13.3	0.31	13.2	0.34	13.3	0.34	13.5	0.33	14.2	0.32	15.4	0.34	-		-		-	
1/2	572	4492	7260		6007		5567		5025		3123		1995		-		-		-	
			13.8	0.33	13.7	0.36	13.8	0.36	14.0	0.36	14.8	0.33	15.9	0.36	-		-		-	
	590	4634	7488		6286		5884		5389		3676		2324		1540		-		-	
			14.7	0.36	14.6	0.39	14.7	0.39	14.9	0.39	15.5	0.37	16.5	0.38	17.6	0.41	-		-	
	610	4791	7742		6594		6231		5787		4504		2776		1893		-		-	
			15.6	0.40	15.6	0.43	15.6	0.44	15.8	0.43	16.3	0.41	17.2	0.42	18.3	0.44	-		-	
	630	4948	7996		6899		6567		6158		5125		3264		2249		-		-	
			16.6	0.44	16.6	0.47	16.6	0.48	16.7	0.48	17.2	0.47	18.1	0.45	19.3	0.48	-		-	
	645	5066	8186		7126		6801		6422		5466		3621		2522		-		-	
			17.4	0.47	17.4	0.50	17.4	0.51	17.5	0.51	17.9	0.51	18.9	0.48	20.0	0.50	-		-	
3/4	657	5160	8339		7299		6988		6632		5732		4020		2762		1675		-	
			18.1	0.50	18.0	0.53	18.0	0.54	18.0	0.54	18.5	0.54	19.5	0.51	21.0	0.53	22.0	0.57	-	
	660	5184	8377		7341		7034		6684		5793		4123		2837		1729		-	
			18.3	0.51	18.2	0.53	18.1	0.54	18.2	0.55	18.7	0.55	19.6	0.51	21.0	0.53	22.0	0.57	-	
	675	5301	8567		7551		7265		6943		6097		4704		3208		1994		-	
			19.1	0.54	19.0	0.57	19.0	0.58	19.0	0.59	19.5	0.59	20.0	0.56	21.0	0.56	23.0	0.60	-	
	695	5459	8821		7830		7571		7270		6497		5509		3692		2341		-	
			19.5	0.59	19.5	0.62	19.6	0.63	19.6	0.64	19.9	0.64	20.0	0.62	22.0	0.60	23.0	0.64	-	
	710	5576	9011		8038		7799		7504		6793		5862		4067		2618		-	
			19.8	0.63	19.9	0.66	19.9	0.67	19.9	0.68	20.0	0.69	21.0	0.67	22.0	0.63	23.0	0.68	-	
1	730	5733	9265		8314		8097		7814		7156		6308		4756		2980		-	
			20.0	0.69	20.0	0.72	20.0	0.72	20.0	0.74	21.0	0.75	21.0	0.74	22.0	0.70	23.0	0.72	-	
	745	58541	9456		8520		8307		8044		7420		6621		5417		3348		-	
			21.0	0.73	21.0	0.76	21.0	0.77	21.0	0.78	21.0	0.79	21.0	0.79	22.0	0.75	23.0	0.76	-	
	756	5938	9595		8671		8461		8212		7612		6844		5908		3619		1887	
			21.0	0.76	21.0	0.80	21.0	0.80	21.0	0.81	21.0	0.83	22.0	0.82	22.0	0.79	24.0	0.79	26.0	0.87
	770	6048	9773		8862		8656		8425		7854		7124		6239		3959		2136	
			21.0	0.80	21.0	0.84	22.0	0.85	22.0	0.85	22.0	0.87	22.0	0.87	22.0	0.85	24.0	0.82	26.0	0.90
	790	6205	10027		9134		8934		8728		8198		7520		6695		4436		2487	
			22.0	0.87	22.0	0.91	22.0	0.91	22.0	0.92	22.0	0.94	22.0	0.94	23.0	0.93	24.0	0.87	26.0	0.96
1	810	6362	10281		9406		9210		9015		8512		7891		7129		5107		2842	
			23.0	0.94	22.0	0.98	23.0	0.98	23.0	0.99	23.0	1.01	23.0	1.02	23.0	1.01	24.0	0.95	27.0	1.01

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

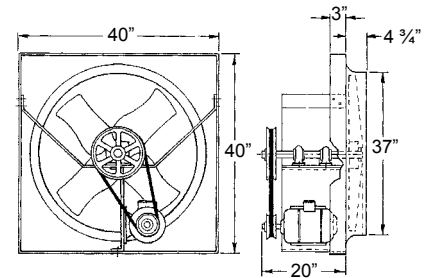
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› BLL36 Belt Drive Fan Curves



› BLL36 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Galv. Steel Web = 10 Gage
Wall Opening = 40" SQ.
Wall Shutter ID = 40" SQ.
Max. Motor Frame Size = 56
Peak BHP = $(\text{RPM}/526)^3$
Max. RPM = 619 (1 HP)
Est. Ship Weight = 180 lbs.



› BLL36 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.150" SP		0.200" SP		0.250" SP		0.300" SP		0.350" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	315	2944	7455		2524		-		-		-		-		-		-	
			7.2	0.14	7.7	0.16	-		-		-		-		-		-	
	325	3038	7691		2818		-		-		-		-		-		-	
			7.7	0.16	8.0	0.18	-		-		-		-		-		-	
	334	3122	7904		3094		-		-		-		-		-		-	
			8.0	0.17	8.3	0.19	-		-		-		-		-		-	
	344	3215	8141		3521		2577		-		-		-		-		-	
			8.3	0.19	8.6	0.20	8.9	0.22	-		-		-		-		-	
	356	3327	8425		4075		2936		-		-		-		-		-	
1/3			8.8	0.21	9.0	0.21	9.4	0.24	-		-		-		-		-	
	366	3421	8662		4490		3228		-		-		-		-		-	
			9.2	0.22	9.3	0.22	9.8	0.25	-		-		-		-		-	
	376	3514	8898		5239		3569		2798		-		-		-		-	
			9.7	0.24	9.5	0.24	10.1	0.26	10.4	0.29	-		-		-		-	
	381	3561	9017		5770		3780		2949		-		-		-		-	
			9.9	0.25	9.6	0.26	10.3	0.27	10.6	0.29	-		-		-		-	
	385	3598	9111		6038		3961		3068		-		-		-		-	
			10.1	0.26	9.7	0.27	10.4	0.27	10.7	0.30	-		-		-		-	
1/2	390	3645	9230		6268		4219		3216		-		-		-		-	
			10.4	0.27	9.9	0.28	10.5	0.28	10.9	0.31	-		-		-		-	
	400	3738	9466		6722		4639		3509		-		-		-		-	
			10.9	0.29	10.2	0.31	10.9	0.30	11.4	0.33	-		-		-		-	
	410	3832	9703		7170		5052		3829		-		-		-		-	
			11.4	0.31	10.6	0.33	11.3	0.31	11.8	0.34	-		-		-		-	
	420	3925	9940		7619		5821		4252		-		-		-		-	
			12.0	0.34	10.9	0.36	11.6	0.34	12.2	0.36	-		-		-		-	
	430	4019	10176		8003		6730		4739		-		-		-		-	
3/4			12.6	0.36	11.5	0.38	11.8	0.38	12.6	0.37	-		-		-		-	
	440	4112	10413		8309		7189		5158		3407		-		-		-	
			13.2	0.39	12.1	0.41	12.3	0.41	13.1	0.39	13.8	0.45	-		-		-	
	460	4299	10886		8914		8089		6368		3997		-		-		-	
			14.5	0.44	13.3	0.47	13.2	0.47	13.9	0.44	15.0	0.50	-		-		-	
	472	4411	11170		9272		8626		7417		4361		-		-		-	
			15.3	0.48	14.2	0.50	13.8	0.51	14.3	0.50	15.6	0.52	-		-		-	
	482	4505	11407		9568		8985		7875		4785		-		-		-	
			16.0	0.51	14.9	0.53	14.6	0.54	14.9	0.53	16.1	0.55	-		-		-	
1	490	4580	11596		9804		9231		8238		5195		3751		-		-	
			16.5	0.54	15.4	0.56	15.1	0.57	15.3	0.56	16.5	0.56	17.1	0.63	-		-	
	500	4673	11833		10097		9535		8685		5619		4049		-		-	
			17.2	0.57	16.2	0.60	15.8	0.60	15.8	0.60	17.0	0.59	17.7	0.66	-		-	
	510	4767	12070		10369		9837		9135		6036		4344		-		-	
			17.9	0.60	16.8	0.63	16.5	0.64	16.3	0.64	17.5	0.61	18.2	0.73	-		-	
	525	4907	12425		10776		10286		9751		6753		4778		-		-	
			18.7	0.66	17.7	0.69	17.4	0.69	17.1	0.70	18.1	0.65	18.9	0.73	-		-	
	543	5075	12851		11260		10819		10302		8471		5522		4295		-	
1			18.9	0.73	18.4	0.76	18.2	0.76	18.0	0.77	18.3	0.76	19.3	0.77	19.8	0.85	-	
	550	5140	13017		11447		11025		10514		8793		5901		4503		-	
			19.1	0.76	18.6	0.79	18.6	0.79	18.4	0.80	18.6	0.79	19.4	0.79	20.0	0.87	-	
	570	5327	13490		11979		11588		11115		9701		6740		5087		-	
1			19.5	0.84	19.5	0.87	19.5	0.88	19.4	0.89	19.4	0.89	20.0	0.85	20.0	0.94	-	
	582	5440	13774		12296		11913		11473		10238		7234		5508		4505	
			19.8	0.90	20.0	0.93	20.0	0.94	20.0	0.94	19.9	0.95	20.0	0.90	21.0	0.98	21.0	1.05

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

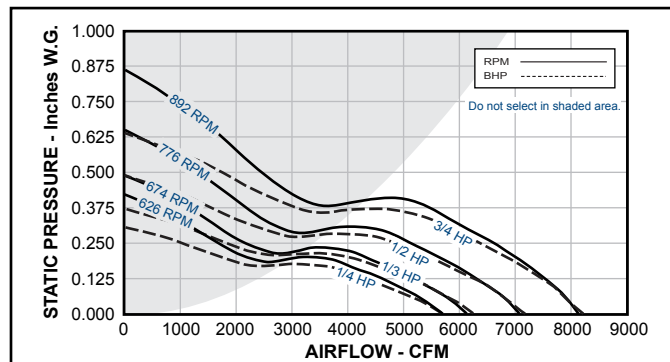
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



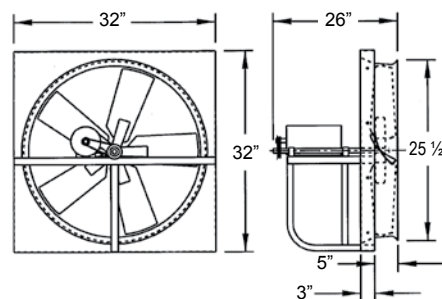
BHM24B

BHM24B Belt Drive Fan Curves



BHM24B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 16 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 32 3/4" SQ.
Max. Motor Frame Size = 184T
Peak BHP = (RPM/934) ³
Max. RPM = 946 (3/4 HP)
Est. Ship Weight = 120 lbs.

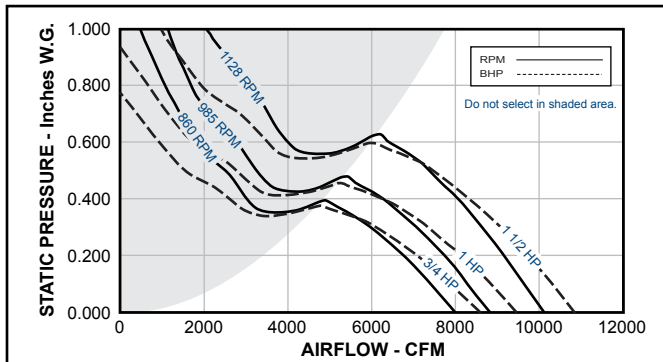


BHM24B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	575	3766	5240		4314		3992		-		-		-	
			8.0	0.20	6.9	0.21	6.7	0.22	-		-		-	
	626	4100	5705		4900		4325		3612		-		-	
1/3			9.3	0.25	8.3	0.27	8.0	0.28	7.3	0.30	-		-	
	650	4258	5924		5166		4906		4007		-		-	
			10.1	0.28	9.1	0.30	8.7	0.31	7.9	0.32	-		-	
1/2	674	4415	6143		5429		5184		4329		-		-	
			10.9	0.31	10.0	0.33	9.6	0.34	8.7	0.35	-		-	
	710	4651	6471		5820		5591		4824		4235		-	
3/4			13.5	0.37	12.5	0.39	12.0	0.39	10.3	0.41	9.5	0.43	-	
	745	4880	6790		6182		5977		5273		4728		-	
			14.5	0.42	13.7	0.45	13.2	0.45	11.6	0.47	10.5	0.48	-	
3/4	776	5083	7072		6498		6314		5659		5142		-	
			14.6	0.48	14.2	0.50	13.8	0.51	12.3	0.53	11.4	0.54	-	
	805	5273	7337		6791		6625		6005		5542		-	
3/4			15.0	0.54	14.6	0.56	14.2	0.56	13.0	0.58	12.2	0.78	-	
	835	5469	7610		7092		6933		6355		5921		-	
			15.8	0.60	15.4	0.62	15.2	0.63	14.0	0.65	13.2	0.66	-	
3/4	865	5666	7883		7392		7238		6700		6295		5114	
			17.4	0.66	16.9	0.69	16.7	0.70	15.5	0.72	14.7	0.73	12.9	0.78
	892	5843	8130		7661		7512		7005		6619		5515	
			18.7	0.73	18.3	0.76	18.2	0.76	17.0	0.78	16.1	0.80	13.9	0.83

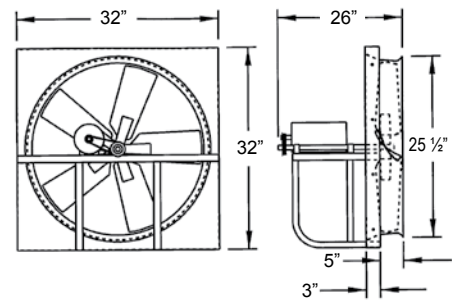
Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

› BHH24B Belt Drive Fan Curves



› BHH24B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 16 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 32 3/4" SQ.
Max. Motor Frame Size = 184T
Peak BHP = (RPM/962) ³
Max. RPM = 1216 (1 1/2 HP)
Est. Ship Weight = 130 lbs.



› BHH24B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
3/4	800	5236	7156		6506		6322		5734		5244		-		-		-	
			12.9	0.43	13.3	0.46	13.1	0.47	12.4	0.51	11.9	0.53	-		-		-	
	830	5432	7424		6797		6631		6064		5623		-		-		-	
1	860	5629	13.6	0.48	14.1	0.52	13.9	0.52	13.3	0.56	12.9	0.58	-		-		-	
			7692		7088		6936		6391		5997		-		-		-	
			14.4	0.54	14.9	0.57	14.8	0.58	14.2	0.61	13.8	0.64	-		-		-	
1 1/2	935	6120	8363		7807		7668		7192		6857		5814		-		-	
			16.7	0.69	17.4	0.73	17.3	0.74	16.8	0.77	16.3	0.79	15.5	0.86	-		-	
	945	6185	8453		7902		7765		7298		6966		5973		-		-	
1	955	6250	17.1	0.71	17.7	0.75	17.7	0.76	17.2	0.79	16.7	0.82	15.9	0.88	-		-	
			8542		7997		7861		7403		7075		6103		-		-	
	965	6316	17.4	0.73	18.1	0.77	18.2	0.78	17.6	0.82	17.2	0.84	16.3	0.91	-		-	
1 1/2	975	6381	8632		8093		7958		7508		7183		6232		-		-	
			17.7	0.76	18.5	0.80	18.6	0.81	18.1	0.84	17.6	0.87	16.7	0.93	-		-	
	985	6447	8721		8188		8054		7612		7291		6361		-		-	
1 1/2	1010	6610	18.1	0.78	18.8	0.82	19.0	0.83	18.5	0.86	18.1	0.89	17.1	0.96	-		-	
			8810		8282		8150		7717		7399		6488		-		-	
	1030	6741	18.5	0.81	19.2	0.85	19.3	0.86	19.0	0.89	18.6	0.92	17.6	0.98	-		-	
1 1/2	1050	6872	9034		8519		8390		7976		7666		6805		5535		-	
			19.3	0.87	20.0	0.91	20.0	0.92	20.0	0.95	19.7	0.98	18.9	1.05	18.8	1.15	-	
	1070	7003	9213		8708		8582		8183		7879		7056		5879		-	
1 1/2	1090	7134	20.0	0.92	21.0	0.96	21.0	0.97	21.0	1.01	21.0	1.03	19.9	1.10	19.7	1.20	-	
			9392		8897		8773		8389		8090		7304		6218		-	
	1110	7265	21.0	0.98	22.0	1.02	22.0	1.03	22.0	1.06	22.0	1.09	21.0	1.16	21.0	1.25	-	
1 1/2	1128	7383	9571		9085		8963		8594		8300		7550		6553		-	
			22.0	1.03	23.0	1.08	23.0	1.09	24.0	1.12	24.0	1.15	24.0	1.22	24.0	1.30	-	
			9750		9272		9153		8795		8510		7791		682		-	
1 1/2			23.0	1.09	24.0	1.14	25.0	1.15	25.0	1.18	25.0	1.21	25.0	1.28	26.0	1.35	-	
			9929		9460		9343		8991		8718		8012		7141		-	
			25.0	1.15	26.0	1.20	26.0	1.21	26.0	1.24	26.0	1.27	26.0	1.34	27.0	1.42	-	
1 1/2			10090		8628		9513		9167		8905		8211		7372		6167	
			25.0	1.21	26.0	1.26	27.0	1.27	27.0	1.30	27.0	1.33	27.0	1.40	28.0	1.48	27.0	1.61

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

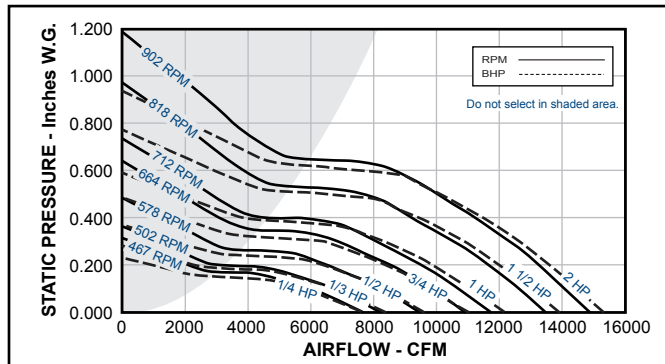
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



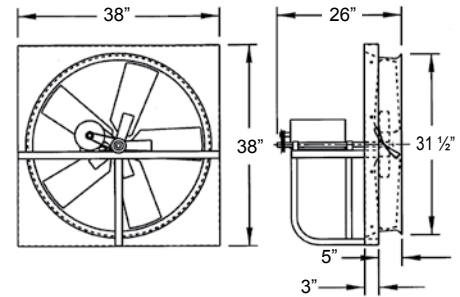
BHM30B

BHM30B Belt Drive Fan Curves



BHM30B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 16 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 38 3/4" SQ.
Max. Motor Frame Size = 184T
Peak BHP = (RPM/700) ³
Max. RPM = 956 (2 HP)
Est. Ship Weight = 140 lbs.

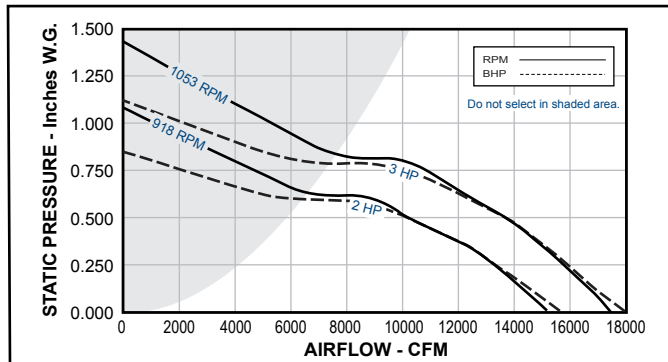


BHM30B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	400	3248	6596		4400		3413		-		-		-		-		-	
			5.9	0.16	6.7	0.17	7.6	0.19	-		-		-		-		-	
	467	3792	7701		5988		5403		-		-		-		-		-	
			7.4	0.25	7.9	0.27	8.2	0.27	-		-		-		-		-	
1/3	485	3177	7998		6384		5832		-		-		-		-		-	
			7.8	0.28	8.3	0.30	8.6	0.30	-		-		-		-		-	
	502	4076	8278		6729		6231		3853		-		-		-		-	
			8.2	0.31	8.7	0.33	8.9	0.33	10.8	0.37	-		-		-		-	
1/2	525	4263	8658		7190		6760		5180		-		-		-		-	
			8.7	0.36	9.3	0.37	9.5	0.38	10.4	0.40	-		-		-		-	
	550	4466	9070		7683		7296		5831		-		-		-		-	
			9.3	0.41	9.9	0.43	10.1	0.43	10.8	0.45	-		-		-		-	
3/4	578	4693	9532		8228		7860		6526		5476		-		-		-	
			10.0	0.48	10.6	0.50	10.8	0.50	11.4	0.51	12.2	0.55	-		-		-	
	615	4994	10142		8938		8592		7413		6521		-		-		-	
			11.0	0.58	11.6	0.59	11.8	0.60	12.4	0.61	12.9	0.63	-		-		-	
1	645	5237	10637		9506		9176		8114		7266		-		-		-	
			12.0	0.67	12.5	0.68	12.7	0.69	13.2	0.70	13.7	0.71	-		-		-	
	664	5237	10637		9506		9176		8114		7266		-		-		-	
			12.0	0.73	13.1	0.75	13.3	0.75	13.8	0.76	14.2	0.77	-		-		-	
1 1/2	685	5562	11296		10238		9944		9011		8227		4761		-		-	
			13.5	0.80	13.8	0.82	14.0	0.82	14.6	0.84	14.7	0.85	17.1	0.93	-		-	
	700	5684	11544		10508		10229		9316		8580		6383		-		-	
			14.0	0.85	14.3	0.87	14.5	0.88	15.0	0.89	15.1	0.90	16.5	0.99	-		-	
2	712	5781	11742		10723		10456		9558		8860		6854		-		-	
			14.5	0.90	14.7	0.92	14.9	0.92	15.4	0.94	15.5	0.95	16.6	1.02	-		-	
	740	6009	12203		11223		10978		10119		9505		7653		-		-	
			15.6	1.00	15.7	1.03	15.8	1.03	16.3	1.05	16.5	1.06	17.2	1.10	-		-	
2 1/2	775	6293	12781		11845		11611		10810		10261		8531		-		-	
			16.9	1.15	17.0	1.18	17.1	1.18	17.5	1.20	17.8	1.21	18.2	1.25	-		-	
	800	6496	13193		12286		12060		11299		10766		9144		6827		-	
			18.0	1.27	18.1	1.29	18.1	1.30	18.5	1.30	18.8	1.33	19.0	1.36	21.0	1.51	-	
3	818	6642	13490		12603		12382		11648		11127		9577		7769		-	
			18.9	1.36	18.9	1.38	18.9	1.39	19.2	1.41	19.4	1.42	19.7	1.45	21.0	1.55	-	
	845	6861	13935		13077		12862		12168		11663		10219		8595		-	
			20.0	1.50	20.0	1.52	20.0	1.53	20.0	1.55	20.0	1.56	21.0	1.59	21.0	1.65	-	
3 1/2	865	7024	14265		13427		13217		12550		12057		10688		9103		-	
			21.0	1.60	21.0	1.63	21.0	1.64	21.0	1.66	21.0	1.67	21.0	1.70	22.0	1.75	-	
	885	7186	14595		13775		13570		12930		12449		11152		9605		6291	
			22.0	1.72	22.0	1.75	22.0	1.75	22.0	1.77	22.0	1.78	22.0	1.81	23.0	1.86	26.0	2.01
4	902	7324	14875		14071		13870		13252		12780		11543		10026		8157	
			23.0	1.82	22.0	1.85	22.0	1.85	22.0	1.87	23.0	1.89	23.0	1.92	23.0	1.96	25.0	2.13

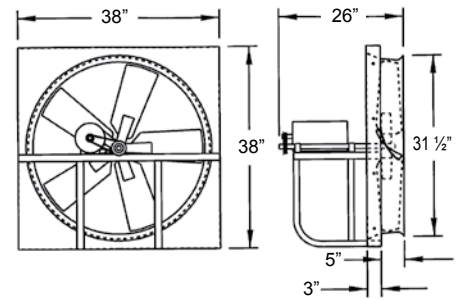
Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

› BHH30B Belt Drive Fan Curves



› BHH30B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 16 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 38" SQ.
Max. Motor Frame Size = 184T
Peak BHP = $(RPM/708)^3$
Max. RPM = 1105 (3 HP)
Est. Ship Weight = 150 lbs.



› BHH30B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
2	840	6821	13962		13142		12916		12215		11724		10103		8338		-		-	
			20.0	1.43	21.0	1.47	21.0	1.48	22.0	1.50	22.0	1.51	22.0	1.54	22.0	1.63	-		-	
	865	7024	14377		13581		13369		12688		12217		10719		9030		-		-	
			21.0	1.57	22.0	1.60	22.0	1.61	22.0	1.63	23.0	1.65	23.0	1.67	23.0	1.74	-		-	
3	895	7267	14876		14106		13910		13252		12803		11451		9793		-		-	
			23.0	1.73	23.0	1.77	23.0	1.78	24.0	1.81	24.0	1.82	24.0	1.85	24.0	1.89	-		-	
	918	7454	15258		14508		14320		13682		13249		12005		10377		7494		-	
			24.0	1.87	24.0	1.91	24.0	1.92	24.0	1.94	24.0	1.96	25.0	1.99	25.0	2.03	26.0	2.09	-	
	950	7714	15790		15065		14884		14276		13863		12765		11176		9645		-	
			25.0	2.07	25.0	2.11	25.0	2.12	26.0	2.15	26.0	2.17	26.0	2.20	26.0	2.23	26.0	2.34	-	
3	975	7917	16205		15499		15322		14738		14335		13284		11790		10298		-	
			26.0	2.24	26.0	2.28	26.0	2.29	26.0	2.32	27.0	2.34	27.0	2.37	27.0	2.40	27.0	2.48	-	
	1000	8120	16621		15932		15760		15197		14805		13786		12407		10933		7566	
			27.0	2.42	27.0	2.46	27.0	2.47	27.0	2.50	28.0	2.52	28.0	2.56	28.0	2.59	28.0	2.64	29.0	2.76
	1025	8323	17036		16365		16197		15655		15272		14283		13018		11568		10091	
			28.0	2.60	28.0	2.65	28.0	2.66	28.0	2.69	29.0	2.71	29.0	2.75	29.0	2.78	29.0	2.83	30.0	2.97
3	1053	8550	17502		16848		16684		16165		15792		14837		13694		12268		10895	
			29.0	2.82	30.0	2.87	30.0	2.88	30.0	2.91	30.0	2.93	30.0	2.97	30.0	3.01	30.0	3.05	31.0	3.16

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

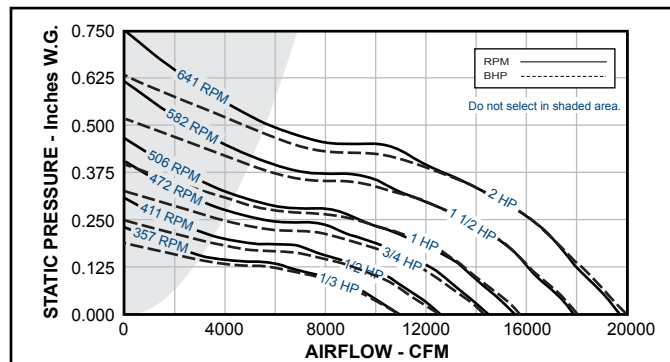
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



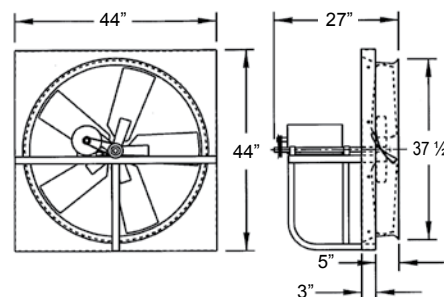
BHM36B

BHM36B Belt Drive Fan Curves



BHM36B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 14 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 44 3/4" SQ.
Max. Motor Frame Size = 215T
Peak BHP = (RPM/495) ³
Max. RPM = 665 (2 HP)
Est. Ship Weight = 180 lbs.

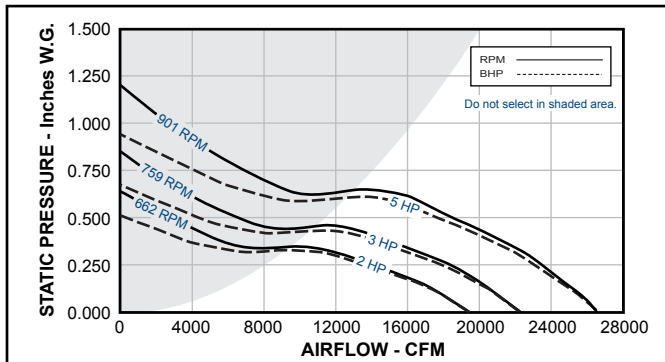


BHM36B Belt Drive Fan Performance Data

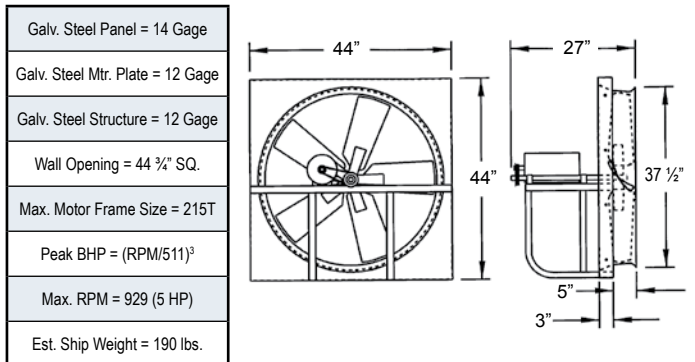
HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/3	300	2910	9201		3649		-		-		-		-		-	
			5.6	0.20	5.5	0.22	-		-		-		-		-	
	357	3463	10949		7970		6540		-		-		-		-	
1/2			7.4	0.34	6.6	0.35	6.7	0.36	-		-		-		-	
	385	3735	11808		9332		8185		-		-		-		-	
			8.4	0.42	7.6	0.43	7.5	0.44	-		-		-		-	
3/4	411	3987	12605		10419		9498		3974		-		-		-	
			9.4	0.51	8.5	0.53	8.3	0.53	9.6	0.57	-		-		-	
	440	4268	13495		11559		10865		7683		-		-		-	
1			10.5	0.63	9.7	0.65	9.4	0.64	9.5	0.68	-		-		-	
	472	4578	14476		12665		12143		9512		5505		-		-	
			11.8	0.77	11.0	0.80	10.8	0.80	10.4	0.81	11.8	0.86	-		-	
1 1/2	485	4705	14875		13110		12654		10249		8188		-		-	
			12.3	0.84	11.7	0.86	11.5	0.87	10.9	0.87	11.4	0.93	-		-	
	495	48020	15182		13450		13030		10766		8747		-		-	
2			12.8	0.89	12.2	0.92	12.0	0.93	11.3	0.92	11.8	0.97	-		-	
	506	4908	15519		13823		13412		11328		9306		-		-	
			13.3	0.95	12.7	0.98	12.5	0.99	11.9	0.98	12.1	1.01	-		-	
2 1/2	530	5141	16255		14631		14238		12505		10778		-		-	
			14.3	1.10	14.0	1.12	13.8	1.13	13.1	1.13	12.9	1.14	-		-	
	555	5384	17022		15477		15091		13681		12118		4962		-	
3			15.4	1.26	15.3	1.28	15.2	1.29	14.6	1.29	14.1	1.30	16.6	1.40	-	
	582	5645	17850		16397		16003		14765		13469		7231		-	
			16.7	1.45	16.7	1.47	16.7	1.48	16.2	1.50	15.7	1.49	17.1	1.62	-	
4	600	5820	18402		17006		16607		15477		14339		10392		-	
			17.6	1.59	17.7	1.61	17.7	1.62	17.3	1.65	16.8	1.63	16.7	1.74	-	
	615	5966	18862		17511		17115		16065		15053		11159		-	
5			18.3	1.71	18.5	1.73	18.6	1.74	18.2	1.78	17.8	1.76	17.3	1.83	-	
	630	6111	19322		18014		17628		16616		15679		11994		-	
			19.1	1.84	19.3	1.86	19.4	1.89	19.2	1.91	18.8	1.89	18.0	1.93	-	
6	641	6218	19660		18383		18003		16998		16121		12691		5738	
			19.6	1.94	19.9	1.96	20.0	1.97	19.9	2.01	19.5	2.00	18.5	2.03	21.0	2.16

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

› BHH36B Belt Drive Fan Curves



› BHH36B Belt Drive Fan Dimensional Data



› BHH36B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		.625" SP		0.750" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
2	600	5820	17640		16310		15889		14627		13470		9971		-		-		-	
			17.3	1.47	17.8	1.50	18.1	1.51	18.4	1.54	18.7	1.55	19.2	1.61	-		-		-	
	620	6014	18228		16964		16557		15387		14347		11251		-		-		-	
			18.1	1.62	18.5	1.65	18.8	1.66	19.1	1.69	19.4	1.70	19.9	1.76	-		-		-	
	640	6208	18816		17615		17220		16079		15148		12174		-		-		-	
3			18.9	1.78	19.3	1.81	19.5	1.82	19.9	1.86	20.0	1.87	21.0	1.92	-		-		-	
	662	6421	19462		18327		17946		16834		16011		13196		-		-		-	
			19.8	1.97	20.0	2.00	20.0	2.01	21.0	2.05	21.0	2.07	21.0	2.11	-		-		-	
	685	6645	20139		19064		18699		17617		16901		14257		10010		-		-	
			21.0	2.18	21.0	2.22	21.0	2.23	22.0	2.26	22.0	2.29	22.0	2.33	24.0	2.41	-		-	
5	705	6839	20727		19682		19351		18292		17613		15164		12442		-		-	
			22.0	2.38	22.0	2.41	22.0	2.42	23.0	2.46	23.0	2.49	23.0	2.53	24.0	2.60	-		-	
	725	7033	21315		20299		20001		18963		18303		16060		13413		-		-	
			23.0	2.58	23.0	2.62	23.0	2.63	24.0	2.67	24.0	2.70	24.0	2.74	25.0	2.81	-		-	
	740	7178	21756		20760		20486		19463		18817		16724		14103		-		-	
5			23.0	2.75	24.0	2.79	24.0	2.80	25.0	2.84	25.0	2.86	25.0	2.91	26.0	2.97	-		-	
	759	7362	22314		21344		21098		20100		19464		17556		14986		-		-	
			24.0	2.97	25.0	3.01	25.0	3.02	26.0	3.05	26.0	3.08	26.0	3.13	27.0	3.19	-		-	
	790	7663	23226		22293		22060		21134		20511		18796		16418		14027		-	
			26.0	3.34	26.0	3.39	26.0	3.40	27.0	3.44	27.0	3.46	27.0	3.52	28.0	3.57	29.0	3.65	-	
5	820	7954	24108		23210		22985		22128		21516		19968		17777		15431		-	
			27.0	3.74	28.0	3.78	28.0	3.79	29.0	3.83	29.0	3.86	29.0	3.93	30.0	3.98	30.0	4.05	-	
	850	8245	24990		24123		23907		23114		22520		21105		19114		16820		14229	
			29.0	4.17	29.0	4.21	30.0	4.22	30.0	4.26	31.0	4.29	31.0	4.36	31.0	4.41	32.0	4.48	33.0	4.58
	880	8536	25872		25035		24826		24095		23521		22143		20427		18208		16060	
5			30.0	4.62	31.0	4.67	31.0	4.68	32.0	4.72	32.0	4.75	32.0	4.83	32.0	4.87	33.0	4.94	34.0	5.03
	901	8740	26489		25672		25467		24778		24218		22864		21261		19163		17029	
			31.0	4.96	32.0	5.01	32.0	5.02	33.0	5.06	34.0	5.09	34.0	5.17	34.0	5.22	34.0	5.29	35.0	5.37

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

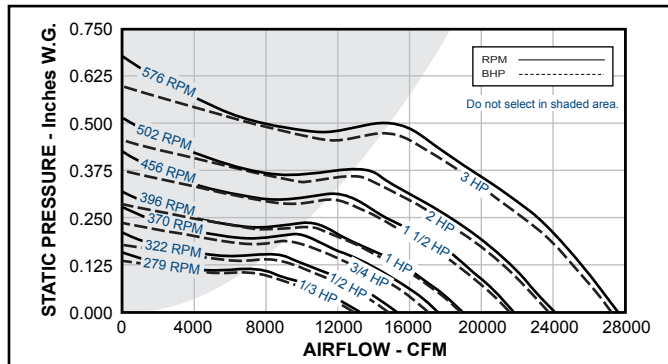
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



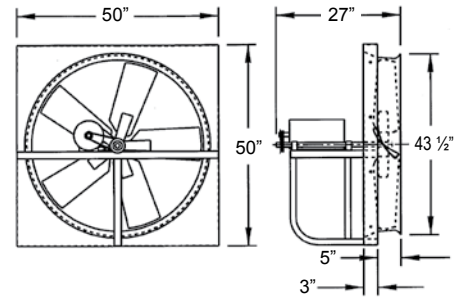
BHM42B

BHM42B Belt Drive Fan Curves



BHM42B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 14 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 50 3/4" SQ.
Max. Motor Frame Size = 215T
Peak BHP = (RPM/388) ³
Max. RPM = 583 (3 HP)
Est. Ship Weight = 225 lbs.

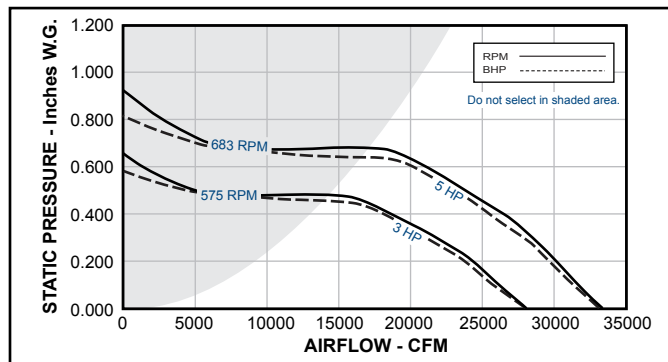


BHM42B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.300" SP		0.375" SP		0.500" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/3	260	2930	12463		7191		-		-		-		-		-		-	
			7.3	0.29	6.5	0.30	-		-		-		-		-		-	
	279	3144	13374		8659		-		-		-		-		-		-	
1/2			8.3	0.35	7.5	0.36	-		-		-		-		-		-	
	300	3381	14381		10292		8779		-		-		-		-		-	
			9.3	0.44	8.8	0.45	8.3	0.45	-		-		-		-		-	
3/4	322	3629	15436		11854		10477		-		-		-		-		-	
			10.4	0.55	10.1	0.56	9.7	0.55	-		-		-		-		-	
	350	3944	16778		13727		12550		-		-		-		-		-	
1			12.0	0.70	11.9	0.72	11.5	0.72	-		-		-		-		-	
	370	4170	17737		14950		13949		10376		-		-		-		-	
			13.1	0.83	13.2	0.84	12.8	0.85	11.6	0.86	-		-		-		-	
1 1/2	380	4283	18216		15518		14638		11145		-		-		-		-	
			13.7	0.90	13.8	0.91	13.5	0.92	12.3	0.92	-		-		-		-	
	390	4395	18695		16081		15266		11885		-		-		-		-	
2			14.2	0.97	14.3	0.98	14.2	0.99	12.9	0.98	-		-		-		-	
	396	4463	18983		16417		15638		12360		-		-		-		-	
			14.5	1.01	14.7	1.02	14.6	1.04	13.4	1.02	-		-		-		-	
2 1/2	420	4733	20134		17749		17075		14238		12097		-		-		-	
			15.8	1.21	16.1	1.21	16.2	1.23	15.1	1.22	14.4	1.24	-		-		-	
	440	4959	21092		18844		18201		15682		13601		-		-		-	
3			17.1	1.39	17.4	1.39	17.5	1.41	16.7	1.42	15.8	1.40	-		-		-	
	456	5139	21859		19702		19093		16808		14865		12943		-		-	
			18.2	1.55	18.5	1.55	18.6	1.56	18.1	1.59	17.2	1.57	16.6	1.60	-		-	
3 1/2	470	5297	22531		20449		19867		17782		15951		13992		-		-	
			19.1	1.70	19.4	1.70	19.5	1.70	19.2	1.75	18.4	1.72	17.6	1.72	-		-	
	485	5466	23250		21243		20690		18791		17040		15139		-		-	
4			20.0	1.86	20.0	1.86	20.0	1.86	20.0	1.92	19.8	1.90	19.0	1.88	-		-	
	495	5579	23729		21771		21234		19415		17751		15930		-		-	
			21.0	1.98	21.0	1.98	21.0	1.98	21.0	2.03	21.0	2.03	20.0	2.00	-		-	
4 1/2	502	5658	24065		22139		21609		19849		18244		16478		13791		-	
			21.0	2.07	21.0	2.07	22.0	2.06	22.0	2.11	21.0	2.12	21.0	2.09	20.0	2.14	-	
			25167		23344		22837		21242		19848		18215		15608		-	
5	525	5917	23.0	2.36	23.0	2.37	23.0	2.36	23.0	2.40	23.0	2.43	23.0	2.40	22.0	2.40	-	
			26126		24385		23896		22374		21182		19639		17144		-	
	545	6142	24.0	2.64	24.0	2.65	24.0	2.65	25.0	2.68	25.0	2.72	24.0	2.71	24.0	2.67	-	
6			26845		25162		24687		23216		22114		20692		18325		-	
	560	6311	25.0	2.87	25.0	2.88	25.0	2.87	26.0	2.90	26.0	2.94	25.0	2.95	25.0	2.90	-	
			27612		25988		25526		24107		23099		21804		19564		15578	
7	576	6492	26.0	3.12	26.0	3.13	27.0	3.13	27.0	3.14	27.0	3.18	27.0	3.21	27.0	3.16	27.0	3.25

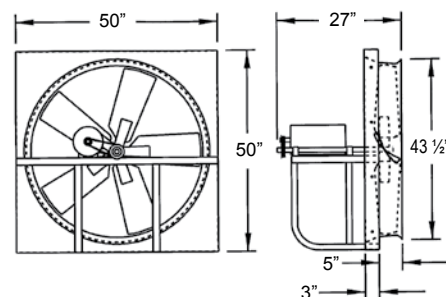
Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

› BHH42B Belt Drive Fan Curves



› BHH42B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 14 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 50 3/4" SQ.
Max. Motor Frame Size = 215T
Peak BHP = (RPM/387) ³
Max. RPM = 699 (5 HP)
Est. Ship Weight = 245 lbs.



› BHH42B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.300" SP		0.375" SP		0.500" SP		0.625" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
3	525	5917	25530		23361		22879		21213		19799		18129		15429		-		-	
			22.0	2.31	23.0	2.36	23.0	2.36	23.0	2.39	23.0	2.41	22.0	2.38	21.0	2.37	-		-	
	535	6029	26017		23879		23406		21805		20484		18860		16244		-		-	
			23.0	2.45	23.0	2.50	23.0	2.50	24.0	2.53	23.0	2.55	23.0	2.52	22.0	2.37	-		-	
	550	6199	26746		24653		24193		22687		21499		19941		17450		-		-	
			24.0	2.66	24.0	2.71	24.0	2.71	25.0	2.74	24.0	2.78	24.0	2.75	23.0	2.72	-		-	
5	565	6368	27475		25433		24977		23561		22405		20989		18635		-		-	
			25.0	2.88	25.0	2.94	25.0	2.94	25.0	2.96	26.0	3.00	25.0	2.99	24.0	2.95	-		-	
	575	6480	27962		25955		25497		24141		23005		21681		19384		-		-	
			26.0	3.04	26.0	3.09	26.0	3.10	26.0	3.11	26.0	3.15	26.0	3.16	25.0	3.12	-		-	
	600	6762	29178		27255		26794		25527		24488		23387		21221		17224		-	
			27.0	3.45	28.0	3.51	28.0	3.52	28.0	3.53	28.0	3.56	28.0	3.61	27.0	3.56	26.0	3.57	-	
	625	7044	30393		28547		28086		26867		25953		24908		23001		19342		-	
			29.0	3.90	29.0	3.96	29.0	3.98	29.0	3.99	30.0	4.01	30.0	4.06	29.0	4.05	28.0	4.00	-	
	645	7269	31366		29577		29130		27931		27113		26100		24387		20935		-	
			30.0	4.28	31.0	4.35	31.0	4.37	31.0	4.38	31.0	4.39	31.0	4.44	31.0	4.46	30.0	4.39	-	
5	665	7495	32338		30604		30170		28989		28227		27281		25753		22461		18633	
			32.0	4.70	32.0	4.76	32.0	4.78	32.0	4.80	32.0	4.80	32.0	4.85	33.0	4.91	32.0	4.82	31.0	4.92
	683	7697	33214		31525		31102		29936		29194		28334		26900		23788		20347	
			33.0	5.09	33.0	5.16	33.0	5.17	34.0	5.20	34.0	5.20	34.0	5.23	34.0	5.31	33.0	5.24	33.0	5.22

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

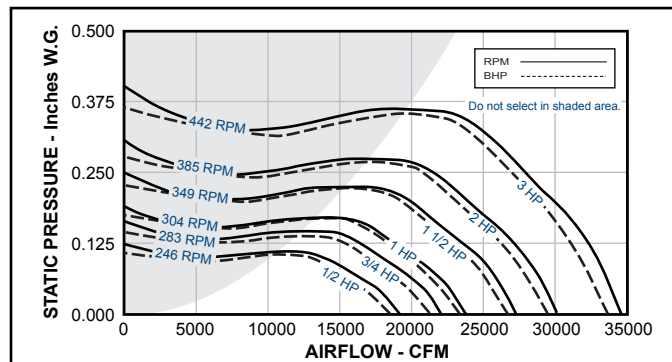
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



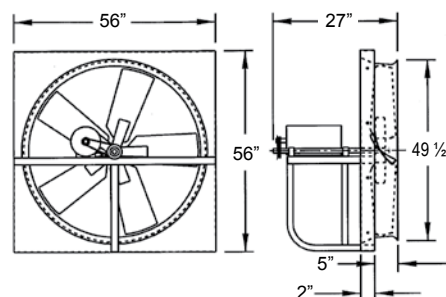
BHM48B

BHM48B Belt Drive Fan Curves



BHM48B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 14 Gage
Galv. Steel Mtr. Plate = 12 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 57" SQ.
Max. Motor Frame Size = 215T
Peak BHP = (RPM/298) ³
Max. RPM = 450 (3 HP)
Est. Ship Weight = 235 lbs.

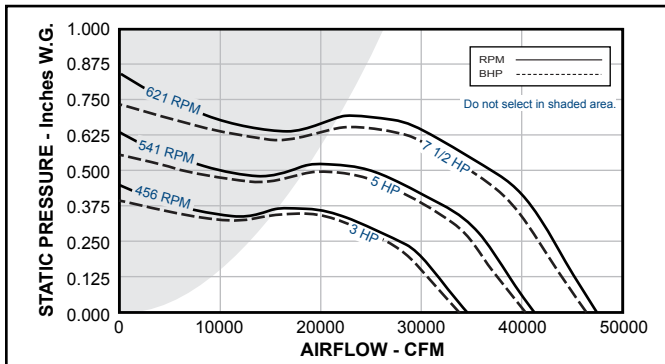


BHM48B Belt Drive Fan Performance Data

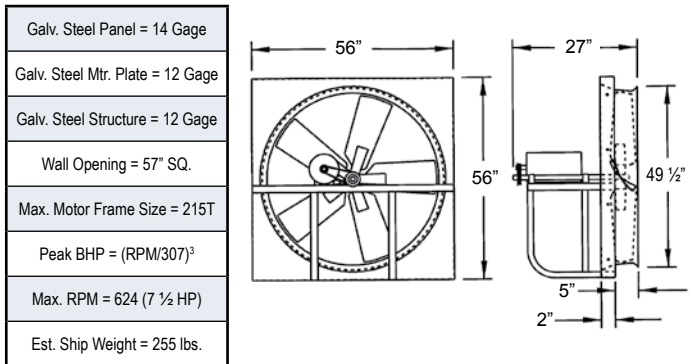
HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.300" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/2	225	2882	17535	-	-	-	-	-	-	-	-	-	-	-
			6.5 0.43	-	-	-	-	-	-	-	-	-	-	-
	246	3151	19171	-	13913	-	-	-	-	-	-	-	-	-
			7.6 0.56	8.7 0.55	-	-	-	-	-	-	-	-	-	-
3/4	265	3395	20652	-	16061	-	14144	-	-	-	-	-	-	-
			8.6 0.70	9.2 0.69	10.0 0.68	-	-	-	-	-	-	-	-	-
	283	3625	22055	-	17972	-	16473	-	-	-	-	-	-	-
			9.5 0.85	9.7 0.84	10.7 0.83	-	-	-	-	-	-	-	-	-
1	295	3779	22990	-	19220	-	17819	-	-	-	-	-	-	-
			10.2 0.96	10.1 0.95	11.0 0.95	-	-	-	-	-	-	-	-	-
	304	3894	23691	-	20174	-	18783	-	-	-	-	-	-	-
			10.7 1.05	10.4 1.04	11.3 1.04	-	-	-	-	-	-	-	-	-
1 1/2	320	4099	24938	-	21854	-	20470	-	-	-	-	-	-	-
			11.6 1.23	10.9 1.23	11.8 1.21	-	-	-	-	-	-	-	-	-
	335	4291	26107	-	23377	-	22037	-	17862	-	-	-	-	-
			12.6 1.41	11.5 1.42	12.4 1.39	14.9 1.37	-	-	-	-	-	-	-	-
2	349	4471	27198	-	24641	-	23517	-	19805	-	-	-	-	-
			13.5 1.59	12.2 1.61	12.8 1.59	15.6 1.56	-	-	-	-	-	-	-	-
	365	4676	28445	-	2607	-	225182	-	21638	-	-	-	-	-
			14.5 1.82	13.3 1.84	13.3 1.83	15.7 1.79	-	-	-	-	-	-	-	-
3	375	4804	29225	-	26959	-	26178	-	22739	-	20037	-	-	-
			15.1 1.97	13.9 2.00	13.7 1.99	15.9 1.95	17.7 1.92	-	-	-	-	-	-	-
	385	4932	30004	-	27843	-	27082	-	23809	-	21473	-	-	-
			15.7 2.13	14.6 2.16	14.3 2.16	16.2 2.11	18.1 2.09	-	-	-	-	-	-	-
3	400	5124	31173	-	29161	-	28428	-	25394	-	23272	-	-	-
			16.8 2.39	15.7 2.42	15.4 2.42	16.7 2.36	18.3 2.35	-	-	-	-	-	-	-
	415	5316	32342	-	30470	-	29764	-	26955	-	24963	-	22557	-
			17.9 2.67	16.7 2.71	16.4 2.71	17.2 2.64	18.5 2.64	20.0 2.61	-	-	-	-	-	-
3	430	5508	33511	-	31737	-	31090	-	28539	-	26572	-	24552	-
			19.0 2.97	17.9 3.01	17.4 3.01	19.9 2.95	19.0 2.93	20.0 2.92	-	-	-	-	-	-
	442	5662	34446	-	32720	-	32146	-	29804	-	27843	-	25929	-
			19.8 3.23	18.7 3.27	18.3 3.27	18.5 3.23	19.4 3.19	21.0 3.18	-	-	-	-	-	-

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

› BHH48B Belt Drive Fan Curves



› BHH48B Belt Drive Fan Dimensional Data



› BHH48B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.300" SP		0.375" SP		0.500" SP		0.625" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
3	400	5124	30576		27854		27180		24367		20747		-		-		-		-	
			19.9	2.15	17.0	2.20	17.0	2.21	17.1	2.20	17.3	2.15	-		-		-		-	
	420	5380	32105		29500		28881		26638		23551		19909		-		-		-	
			18.2	2.49	18.3	2.54	18.4	2.55	18.5	2.54	18.7	2.48	19.2	2.50	-		-		-	
	440	5636	33634		31136		30544		28614		26332		22985		-		-		-	
5	456	5842	34857		32437		31866		30030		28331		25224		-		-		-	
			20.0	3.19	21.0	3.23	21.0	3.25	21.0	3.26	21.0	3.26	22.0	3.16	-		-		-	
	475	6085	36309		33975		33427		31697		30349		27882		23178		-		-	
			22.0	3.61	22.0	3.65	22.0	3.67	23.0	3.69	23.0	3.68	23.0	3.64	24.0	3.62	-		-	
	495	6341	37838		35586		35061		33434		32263		30476		26131		-		-	
7 1/2	515	6597	39367		37191		36685		35156		34031		32689		28930		-		-	
			24.0	4.60	25.0	4.63	25.0	4.65	26.0	4.71	26.0	4.69	26.0	4.69	27.0	4.57	-		-	
	530	6789	40514		38397		37899		36426		35345		34248		31025		21858		-	
			25.0	5.01	26.0	5.05	26.0	5.07	27.0	5.13	27.0	5.12	27.0	5.10	28.0	5.05	32.0	5.05	-	
	541	6930	41355		39281		38786		37344		36303		35232		32527		25495		-	
7 1/2	560	7174	42807		40803		40315		38921		37948		36913		34884		28531		-	
			27.0	5.91	28.0	5.95	28.0	5.96	29.0	6.03	29.0	6.05	30.0	6.03	30.0	6.04	32.0	6.51	-	
	580	7430	44336		42401		41918		40572		39667		38668		36987		31355		-	
			29.0	6.57	29.0	6.60	30.0	6.61	31.0	6.69	31.0	6.73	31.0	6.71	32.0	6.69	34.0	6.51	-	
	600	7686	45865		43995		43527		42214		41347		40408		38959		34154		27558	
7 1/2	610	7814	46629		44790		44330		43032		42180		41273		39848		35549		29378	
			31.0	7.64	32.0	7.68	32.0	7.69	33.0	7.76	34.0	7.81	34.0	7.82	34.0	7.79	36.0	7.69	39.0	7.66
	621	7955	47470		45663		45211		43930		43093		42221		40821		37068		31169	
			32.0	8.06	33.0	8.10	33.0	8.11	34.0	8.18	35.0	8.23	35.0	8.25	35.0	8.22	37.0	8.19	40.0	8.07

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

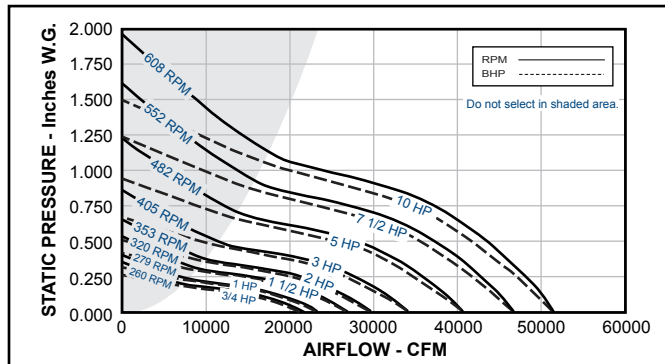
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



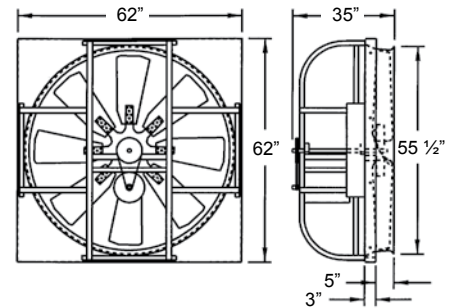
BHH54B

BHH54B Belt Drive Fan Curves



BHH54B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 14 Gage
Galv. Steel Mtr. Plate = 10 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 63" SQ.
Max. Motor Frame Size = 284T
Peak BHP = (RPM/273) ³
Max. RPM = 623 (10 HP)
Est. Ship Weight = 430 lbs.

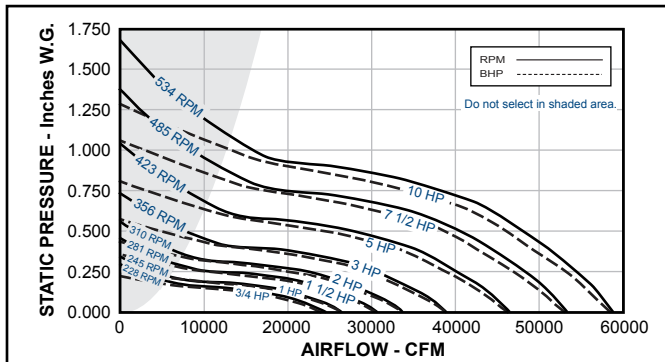


BHH54B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
3/4	240	3458	20273	-	13846	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			9.4	0.62	9.3	0.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			21963	-	16686	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	270	3891	10.8	0.79	10.7	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			22807	-	17862	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			11.5	0.88	11.4	0.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	279	4020	23568	-	18956	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.2	0.97	12.1	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			24919	-	20748	-	9672	-	-	-	-	-	-	-	-	-	-	-	-	-
2	295	4251	13.5	1.15	13.5	1.24	13.1	1.23	-	-	-	-	-	-	-	-	-	-	-	-
			26186	-	22338	-	13544	-	-	-	-	-	-	-	-	-	-	-	-	-
			14.7	1.33	14.7	1.44	14.3	1.45	-	-	-	-	-	-	-	-	-	-	-	-
3	320	4611	27031	-	23335	-	15836	-	-	-	-	-	-	-	-	-	-	-	-	-
			15.5	1.47	15.5	1.58	15.1	1.60	-	-	-	-	-	-	-	-	-	-	-	-
			28298	-	24816	-	18801	-	-	-	-	-	-	-	-	-	-	-	-	-
4	335	4287	16.8	1.68	16.7	1.80	16.4	1.83	-	-	-	-	-	-	-	-	-	-	-	-
			29143	-	25794	-	20561	-	-	-	-	-	-	-	-	-	-	-	-	-
			17.7	1.84	17.6	1.96	17.4	1.99	-	-	-	-	-	-	-	-	-	-	-	-
5	345	4971	29819	-	26572	-	21732	-	10459	-	-	-	-	-	-	-	-	-	-	-
			18.4	1.97	18.4	2.09	18.1	2.13	17.8	2.14	-	-	-	-	-	-	-	-	-	-
			31255	-	28212	-	23868	-	14133	-	-	-	-	-	-	-	-	-	-	-
6	370	5332	19.9	2.26	19.9	2.40	19.6	2.45	19.2	2.44	-	-	-	-	-	-	-	-	-	-
			32522	-	29641	-	25647	-	17818	-	-	-	-	-	-	-	-	-	-	-
			21.0	2.55	21.0	2.69	21.0	2.76	21.0	2.78	-	-	-	-	-	-	-	-	-	-
7 1/2	395	5692	33367	-	30581	-	26861	-	20090	-	-	-	-	-	-	-	-	-	-	-
			22.0	2.76	22.0	2.90	22.0	2.98	22.0	3.01	-	-	-	-	-	-	-	-	-	-
			34211	-	31517	-	28023	-	22082	-	11754	-	-	-	-	-	-	-	-	-
8	405	5836	22.0	2.97	23.0	3.12	23.0	3.21	23.0	3.25	22.0	3.25	-	-	-	-	-	-	-	-
			35901	-	33377	-	30180	-	25594	-	15735	-	-	-	-	-	-	-	-	-
			24.0	3.43	24.0	3.59	26.0	3.71	25.0	3.73	24.0	3.70	-	-	-	-	-	-	-	-
9	440	6340	37168	-	34763	-	31751	-	27673	-	19524	-	-	-	-	-	-	-	-	-
			25.0	3.81	26.0	3.98	27.0	4.11	27.0	4.13	26.0	4.14	-	-	-	-	-	-	-	-
			38435	-	36143	-	33245	-	29448	-	22949	-	13413	-	-	-	-	-	-	-
10	455	6557	27.0	4.21	27.0	4.39	28.0	4.53	29.0	4.56	28.0	4.60	27.0	4.59	-	-	-	-	-	-
			39702	-	37516	-	34726	-	31225	-	25918	-	16236	-	-	-	-	-	-	-
			28.0	4.64	29.0	4.83	30.0	4.97	30.0	5.03	29.0	5.07	28.0	4.99	-	-	-	-	-	-
11	470	6773	40716	-	38611	-	35903	-	32683	-	28044	-	19369	-	-	-	-	-	-	-
			30.0	5.01	30.0	5.21	31.0	5.34	31.0	5.42	31.0	5.45	29.0	5.42	-	-	-	-	-	-
			42236	-	40247	-	37655	-	34753	-	30842	-	23683	-	14887	-	-	-	-	-
12	500	7205	31.0	5.59	32.0	5.80	33.0	5.94	33.0	6.05	33.0	6.06	32.0	6.09	31.0	6.08	-	-	-	-
			43503	-	41580	-	39104	-	36372	-	32784	-	27069	-	17823	-	-	-	-	-
			33.0	6.11	33.0	6.33	35.0	6.47	35.0	6.61	35.0	6.62	34.0	6.68	32.0	6.57	-	-	-	-
13	530	7637	44771	-	42902	-	40544	-	37975	-	34541	-	29784	-	21732	-	-	-	-	-
			35.0	6.66	35.0	6.88	37.0	7.03	37.0	7.20	37.0	7.21	36.0	7.26	34.0	7.21	-	-	-	-
			46038	-	44220	-	41969	-	39497	-	36335	-	32424	-	25320	-	16686	-	-	-
14	545	7853	37.0	7.24	37.0	7.47	39.0	7.63	39.0	7.80	39.0	7.84	38.0	7.87	37.0	7.88	36.0	7.82	-	-
			46629	-	44835	-	42628	-	40194	-	37187	-	33507	-	26917	-	18122	-	-	-
			37.0	7.52	38.0	7.76	40.0	7.92	40.0	8.09	40.0	8.14	39.0	8.16	38.0	8.20	37.0	8.07	-	-
15	560	8070	47305	-	45536	-	43379	-	40988	-	38154	-	34618	-	28723	-	20234	-	-	-
			39.0	7.85	39.0	8.09	41.0	8.26	41.0	8.43	41.0	8.50	40.0	8.52	39.0	8.58	38.0	8.46	-	-
			48150	-	46415	-	44315	-	41976	-	39331	-	35969	-	30734	-	22838	-	-	-
16	570	8214	40.0	8.28	41.0	8.52	42.0	8.70	42.0	8.87	42.0	8.96	42.0	8.98	41.0	9.05	39.0	8.96	-	-
			48994	-	47287	-	45248	-	42960	-	40417	-	37149	-	32522	-	25350	-	17516	-
			41.0	8.72	42.0	8.97	44.0	9.16	44.0	9.33	44.0	9.44	43.0	9.45	42.0	9.52	41.0	9.47	40.0	9.46
17	580	8358	49839	-	48160	-	46178	-	43940	-	41497	-	38320	-	34290	-	27654	-	19344	-
			43.0	9.18	44.0	9.43	46.0	9.63	46.0	9.80	46.0	9.93	45.0	9.95	44.0	9.99	43.0	10.00	42.0	9.85
			50684	-	49033	-	47106	-	44915	-	42570	-	39482	-	36038	-	29928	-	21981	-
18	600	8646	45.0	9.66	45.0	9.91	47.0	10.11	48.0	10.29	48.0	10.44	47.0	10.46	46.0	10.49	45.0	10.54	44.0	10.41
			51360	-	49731	-	47847	-	45693	-	43425	-	40462	-	37167	-	31726	-	24064	-
			46.0	10.05	47.0	10.31	49.0	10.51	49.0	10.69	49.0	10.87	48.0	10.88	47.0	10.91	46.0	10.99	45.0	10.86

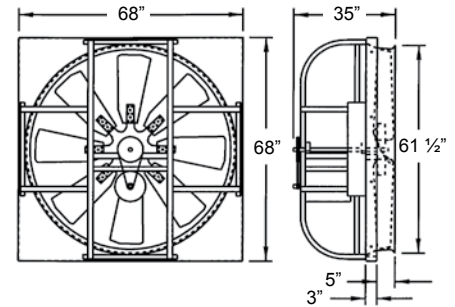
See notes on previous page.

► BHH60B Belt Drive Fan Curves



► BHH60B Belt Drive Fan Dimensional Data

Galv. Steel Panel = 14 Gage
Galv. Steel Mtr. Plate = 10 Gage
Galv. Steel Structure = 12 Gage
Wall Opening = 69" SQ.
Max. Motor Frame Size = 284T
Peak BHP = (RPM/240) ³
Max. RPM = 545 (10 HP)
Est. Ship Weight = 460 lbs.



► BHH60B Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
3/4	210	3356	22971		13646		-		-		-		-		-		-		-	
			9.8	0.62	9.9	0.66	-		-		-		-		-		-		-	
	228	3643	24940		17920		-		-		-		-		-		-		-	
1			11.3	0.79	11.4	0.84	-		-		-		-		-		-		-	
	235	3755	25706		19088		-		-		-		-		-		-		-	
			11.9	0.86	12.0	0.92	-		-		-		-		-		-		-	
1 1/2	245	3915	26800		20709		-		-		-		-		-		-		-	
			12.8	0.98	12.9	1.04	-		-		-		-		-		-		-	
	260	4155	28440		22938		7039		-		-		-		-		-		-	
2			14.2	1.17	14.3	1.24	14.4	1.26	-		-		-		-		-		-	
	270	4315	29534		24360		8721		-		-		-		-		-		-	
			15.1	1.31	15.2	1.39	15.4	1.37	-		-		-		-		-		-	
3	281	4490	30737		25903		13611		-		-		-		-		-		-	
			16.2	1.48	16.2	1.57	16.5	1.57	-		-		-		-		-		-	
	290	4634	31722		27132		17165		-		-		-		-		-		-	
4			17.1	1.62	17.1	1.72	17.3	1.74	-		-		-		-		-		-	
	300	4794	32816		28483		20158		-		-		-		-		-		-	
			18.0	1.80	18.1	1.91	18.3	1.95	-		-		-		-		-		-	
5	310	4954	33910		29822		22604		-		-		-		-		-		-	
			19.1	1.98	19.1	2.10	19.3	2.14	-		-		-		-		-		-	
	325	5194	35551		31808		25787		9625		-		-		-		-		-	
6			20.0	2.28	21.0	2.42	21.0	2.43	20.0	2.41	-		-		-		-		-	
	335	5353	36644		33118		27430		11830		-		-		-		-		-	
			21.0	2.50	22.0	2.65	22.0	2.66	21.0	2.59	-		-		-		-		-	
7 1/2	345	5513	37738		34366		29049		17018		-		-		-		-		-	
			23.0	2.73	23.0	2.88	23.0	2.90	22.0	2.91	-		-		-		-		-	
	356	5689	38942		35715		30753		21343		-		-		-		-		-	
8			24.0	3.00	24.0	3.16	25.0	3.18	24.0	3.21	-		-		-		-		-	
	370	5913	40473		37421		32769		25420		10303		-		-		-		-	
			26.0	3.37	27.0	3.53	27.0	3.58	26.0	3.66	23.0	3.60	-		-		-		-	
9	385	6152	42114		39237		34896		28868		13045		-		-		-		-	
			28.0	3.80	28.0	3.97	29.0	4.04	28.0	4.08	25.0	3.94	-		-		-		-	
	400	6392	43755		41042		36989		31906		20298		-		-		-		-	
10			29.0	4.26	29.0	4.44	30.0	4.53	30.0	4.53	28.0	4.53	-		-		-		-	
	415	6632	45395		42837		39032		34361		25852		11718		-		-		-	
			30.0	4.75	30.0	4.94	31.0	5.05	32.0	5.05	30.0	5.10	28.0	5.07	-		-		-	
11	423	6760	43271		43790		40112		35652		28149		13036		-		-		-	
			31.0	5.03	31.0	5.23	32.0	5.35	33.0	5.34	31.0	5.45	29.0	5.29	-		-		-	
	440	7031	48130		45809		42387		38243		32323		18846		-		-		-	
12			33.0	5.66	33.0	5.87	34.0	6.01	35.0	6.01	34.0	6.11	32.0	5.90	-		-		-	
	455	7271	49771		47543		44373		40397		35623		25763		12895		-		-	
			35.0	6.26	35.0	6.48	36.0	6.64	37.0	6.65	36.0	6.68	34.0	6.69	33.0	6.68	-		-	
13	465	7431	50865		48684		45690		41818		37356		29197		14568		-		-	
			36.0	6.69	36.0	6.91	38.0	7.08	38.0	7.11	38.0	7.11	36.0	7.19	34.0	7.01	-		-	
	475	7591	51959		49824		46998		43228		38994		32061		17146		-		-	
14			38.0	7.13	38.0	7.35	38.0	7.54	40.0	7.58	39.0	7.57	38.0	7.72	36.0	7.38	-		-	
	485	7750	53053		50962		48244		44627		40614		34588		22517		12956		-	
			38.0	7.59	38.0	7.81	39.0	8.02	41.0	8.07	40.0	8.05	39.0	8.22	37.0	8.01	36.0	8.17	-	
15	495	7910	54146		52098		49473		46000		42219		36818		26877		14457		-	
			39.0	8.07	39.0	8.30	40.0	8.51	42.0	8.58	42.0	8.55	41.0	8.68	39.0	8.61	38.0	8.55	-	
	505	8070	55240		53233		50697		47361		42715		39019		30715		16290		-	
16			40.0	8.56	40.0	8.80	41.0	9.01	43.0	9.10	43.0	9.09	42.0	9.15	41.0	9.17	39.0	8.95	-	
	515	8230	56334		54366		51917		48714		45158		40959		33599		19170		13321	
			41.0	9.08	41.0	9.33	42.0	9.54	44.0	9.65	44.0	9.64	44.0	9.66	43.0	9.81	41.0	9.38	41.0	9.84
17	525	8390	57428		55497		53133		50058		46591		42606		36441		25029		14831	
			43.0	9.62	43.0	9.87	44.0	10.19	45.0	10.22	46.0	10.22	45.0	10.23	44.0	10.47	43.0	10.20	42.0	10.26
	530	8469	57975		56062		53739		50728		47303		43423		37599		27189		15589	
18			43.0	9.90	43.0	10.15	44.0	10.38	46.0	10.51	46.0	10.52	46.0	10.52	45.0	10.74	44.0	10.54	43.0	10.48
	534	8533	58413		56514		54224		51262		47871		44074		38497		28771		16301	
			44.0	10.13	44.0	10.38	45.0	10.61	46.0	10.74	47.0	10.76	47.0	10.76	46.0	10.95	44.0	10.80	44.0	10.66

See notes on next page.

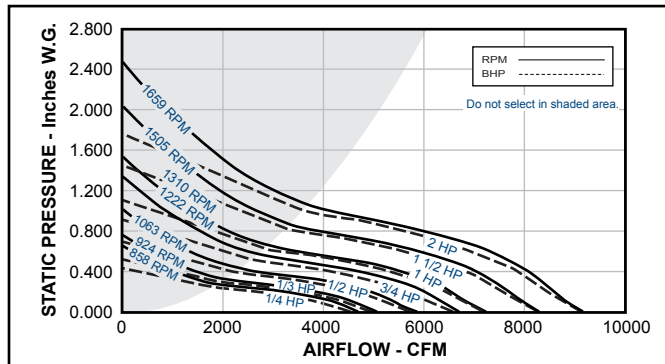
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



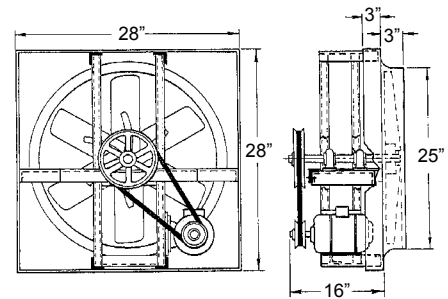
BCH24

BCH24 Belt Drive Fan Curves



BCH24 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Carbon Steel Mtr. Plate=10 Gage
Carbon Steel Tube = 16 Gage
Wall Opening = 28 3/4" SQ.
Wall Shutter ID = 28" SQ.
Max. Motor Frame Size = 145T
Peak BHP = (RPM/1108) ³
Max. RPM = 1659 (2 HP)
Est. Ship Weight = 100 lbs.



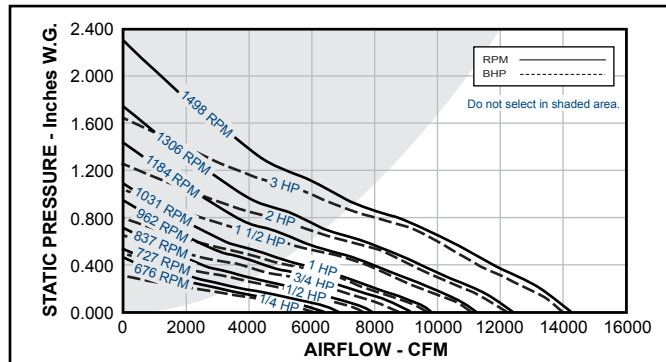
BCH24 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.150" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	515	3236	2851	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			5.6	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	635	3990	3516	-	2617	2075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			8.3	0.11	8.0	0.12	8.1	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	800	5027	4429	-	3851	3636	-	-	3402	2586	-	-	-	-	-	-	-	-	-	-	-	-
			12.5	0.22	12.2	0.24	12.2	0.24	12.1	0.25	12.2	0.24	-	-	-	-	-	-	-	-	-	-
	858	5391	4751	-	4210	4059	-	-	3845	3295	2446	-	-	-	-	-	-	-	-	-	-	-
			13.7	0.28	13.4	0.29	13.3	0.30	13.3	0.30	13.3	0.30	13.7	0.29	-	-	-	-	-	-	-	-
1/2	870	5466	4817	-	4284	4145	-	-	3935	3434	2595	-	-	-	-	-	-	-	-	-	-	-
			14.0	0.29	13.7	0.31	13.6	0.31	13.6	0.31	13.9	0.31	-	-	-	-	-	-	-	-	-	-
	910	5718	5039	-	4528	4403	-	-	4231	3809	3086	-	-	-	-	-	-	-	-	-	-	-
			15.0	0.33	14.7	0.35	14.7	0.35	14.6	0.35	14.8	0.35	-	-	-	-	-	-	-	-	-	-
3/4	924	5806	5116	-	4612	4489	-	-	4332	3930	3261	-	-	-	-	-	-	-	-	-	-	-
			15.4	0.34	15.1	0.37	15.0	0.37	14.9	0.37	15.0	0.38	15.1	0.37	-	-	-	-	-	-	-	-
	930	5843	5149	-	4649	4526	-	-	4376	3977	3335	-	-	-	-	-	-	-	-	-	-	-
			15.6	0.50	15.2	0.37	15.2	0.37	15.1	0.38	15.1	0.38	15.3	0.37	-	-	-	-	-	-	-	-
1	1000	6283	5537	-	5065	4956	-	-	4842	4510	4102	-	-	-	-	-	-	-	-	-	-	-
			16.9	0.44	16.7	0.46	16.6	0.46	16.6	0.46	16.4	0.47	16.6	0.48	-	-	-	-	-	-	-	-
	1063	6679	5886	-	5434	5338	-	-	5231	4974	4625	-	-	-	3147	-	-	-	-	-	-	-
			18.2	0.52	18.0	0.55	17.9	0.56	17.9	0.56	17.8	0.56	17.9	0.57	18.5	0.56	-	-	-	-	-	-
1 1/2	1070	6723	5924	-	5475	5379	-	-	5274	5025	4679	-	-	-	3233	-	-	-	-	-	-	-
			18.4	0.53	18.2	0.56	18.1	0.57	18.1	0.57	18.0	0.57	18.0	0.58	18.7	0.57	-	-	-	-	-	-
	1160	7288	6423	-	5998	5909	-	-	5820	5624	5355	-	-	-	4337	-	2659	-	-	-	-	-
			21.0	0.68	21.0	0.71	21.0	0.72	21.0	0.73	20.0	0.73	20.0	0.74	21.0	0.73	22.0	0.75	-	-	-	-
2	1200	7540	6644	-	6228	6143	-	-	6057	5871	5645	-	-	-	4800	-	3265	-	-	-	-	-
			22.0	0.75	22.0	0.78	22.0	0.79	22.0	0.80	22.0	0.80	22.0	0.81	22.0	0.83	23.0	0.81	-	-	-	-
	1222	7678	6766	-	6335	6271	-	-	6187	6007	5802	-	-	-	5000	-	3566	-	-	-	-	-
			23.0	0.79	22.0	0.83	22.0	0.84	22.0	0.84	22.0	0.85	22.0	0.85	23.0	0.87	23.0	0.85	-	-	-	-
2 1/2	1230	7728	6810	-	6401	6318	-	-	6234	6056	5860	-	-	-	5072	-	3665	-	-	-	-	-
			23.0	0.81	22.0	0.84	22.0	0.85	22.0	0.86	22.0	0.86	22.0	0.87	23.0	0.89	23.0	0.86	-	-	-	-
	1250	7854	6921	-	6516	6434	-	-	6352	6178	5996	-	-	-	5250	-	3909	-	-	-	-	-
			23.0	0.85	23.0	0.88	23.0	0.89	23.0	0.90	23.0	0.91	23.0	0.91	23.0	0.93	24.0	0.91	-	-	-	-
3	1290	8105	7143	-	6745	6666	-	-	6586	6422	6245	-	-	-	5573	-	4403	-	-	-	-	-
			24.0	0.93	24.0	0.97	24.0	0.98	24.0	0.94	24.0	1.00	24.0	1.00	24.0	1.02	25.0	1.00	-	-	-	-
	1310	8231	7253	-	6859	6781	-	-	6703	6543	6369	-	-	-	5727	-	4652	-	3173	-	-	-
			25.0	0.98	24.0	1.01	24.0	1.02	25.0	1.03	25.0	1.04	25.0	1.04	25.0	1.07	26.0	1.04	26.0	1.07	-	-
3 1/2	1320	8294	7309	-	6917	6839	-	-	6761	6603	6431	-	-	-	5803	-	7446	-	3325	-	-	-
			25.0	1.00	25.0	1.04	25.0	1.05	25.0	1.05	25.0	1.07	25.0	1.07	25.0	1.09	26.0	1.07	27.0	1.09	-	-
	1370	8608	7586	-	7202	7127	-	-	7052	6902	6739	-	-	-	6181	-	5365	-	4034	-	-	-
			27.0	1.12	27.0	1.16	27.0	1.17	27.0	1.17	27.0	1.19	27.0	1.19	27.0	1.22	27.0	1.22	28.0	1.19	-	-
4	1450	9111	8029	-	7660	7586	-	-	7515	7373	7227	-	-	-	6771	-	6122	-	5020	-	3703	-
			31.0	1.33	31.0	1.37	31.0	1.38	31.0	1.39	31.0	1.40	31.0	1.42	31.0	1.43	31.0	1.46	31.0	1.42	32.0	1.44
	1505	9456	8333	-	7978	7900	-	-	7831	7695	7559	-	-	-	7166	-	6554	-	5887	-	4471	-
			33.0	1.48	33.0	1.52	33.0	1.53	33.0	1.55	33.0	1.56	33.0	1.58	33.0	1.59	33.0	1.62	34.0	1.60	35.0	1.58
5	1520	9550	8416	-	8064	7985	-	-	7918	7783	7648	-	-	-	7273	-	6669	-	5862	-	4655	-
			34.0	1.53	34.0	1.57	34.0	1.58	34.0	1.59	34.0	1.61	34.0	1.63	34.0	1.63	34.0	1.67	34.0	1.66	35.0	1.63
	1550	9739	8582	-	8237	8156	-	-	8090	7957	7825	-	-	-	7463	-	6897	-	6205	-	5018	-
			34.0	1.62	34.0	1.66	34.0	1.67	34.0	1.68	34.0	1.70	34.0	1.72	34.0	1.73	34.0	1.77	35.0	1.78	35.0	1.73
6	1600	10053	8859	-	8525	8441	-	-	8376	8248	8119	-	-	-	7774	-	7272	-	6656	-	5643	-
			35.0	1.78	35.0	1.83	35.0	1.84	35.0	1.85	35.0	1.87	35.0	1.89	35.0	1.90	35.0	1.94	35.0	1.96	36.0	1.90
	1659	10424	9186	-	8864	8783	-	-	8713	8589	8465	-	-	-	8137	-	7708	-	7146	-	6351	-
			37.0	1.99	37.0	2.03	37.0	2.04	37.0	2.05	37.0	2.08	37.0	2.10	37.0	2.12	37.0	2.15	37.0	2.18	37.0	2.15

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

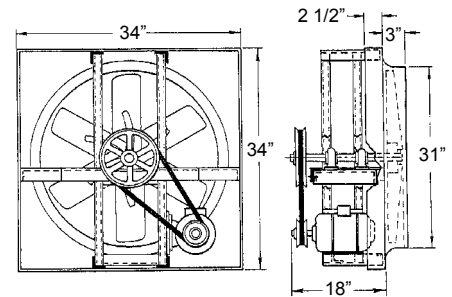
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› BCH30 Belt Drive Fan Curves



› BCH30 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Carbon Steel Mtr. Plate=10 Gage
Carbon Steel Tube = 16 Gage
Wall Opening = 34 3/4" SQ.
Wall Shutter ID = 34" SQ.
Max. Motor Frame Size = 145T
Peak BHP = (RPM/877) ³
Max. RPM = 1498 (3 HP)
Est. Ship Weight = 165 lbs.



› BCH30 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.150" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	410	3220	3891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	480	3770	4555	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	620	4869	5884	4335	3853	324	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	676	5309	6415	5035	4625	4171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	680	5341	6543	5083	4676	4233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	727	5710	6899	5637	5276	4886	3951	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	730	5733	6927	5672	5314	4926	4005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	837	6574	7943	6957	6583	6275	5609	4817	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	840	6597	7971	6993	6618	6310	5649	4865	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	982	7556	9129	8335	8089	7753	7192	6618	4798	-	-	-	-	-	-	-	-	-	-	-	-	-
1	970	7618	9205	8421	8177	7851	7287	6721	4946	-	-	-	-	-	-	-	-	-	-	-	-	-
	990	7775	9395	8634	8395	8096	7525	6978	5311	-	-	-	-	-	-	-	-	-	-	-	-	-
	1010	7933	9585	8847	8613	8339	7760	7233	5655	-	-	-	-	-	-	-	-	-	-	-	-	-
	1031	8097	9784	9069	8840	8592	8006	7498	5994	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	1040	8168	9869	9164	8937	8700	8110	7611	6138	-	-	-	-	-	-	-	-	-	-	-	-	-
	1095	8600	10391	9739	9527	9311	8757	8272	6986	-	-	-	-	-	-	-	-	-	-	-	-	-
	1140	8954	10819	10204	10005	9798	9310	8803	7598	6076	-	-	-	-	-	-	-	-	-	-	-	-
	1184	9299	11236	10658	10469	10270	9843	9314	8180	6817	-	-	-	-	-	-	-	-	-	-	-	-
2	1190	9346	11293	10719	10532	10335	9915	9383	8258	6913	-	-	-	-	-	-	-	-	-	-	-	-
	1250	9817	11862	11333	11155	10973	10595	10108	9023	7862	6343	-	-	-	-	-	-	-	-	-	-	-
	1306	10257	12394	11904	11733	11563	11202	10791	9713	8634	7334	-	-	-	-	-	-	-	-	-	-	-
	1360	10681	12906	12441	12287	12124	11783	11435	10356	9353	8200	6777	-	-	-	-	-	-	-	-	-	-
3	1420	11153	13476	13030	12900	12743	12423	12090	11058	10123	9106	7861	-	-	-	-	-	-	-	-	-	-
	1460	11467	13855	13422	13307	13155	12846	12523	11522	10629	9651	8508	-	-	-	-	-	-	-	-	-	-
	1498	11765	14216	13793	13687	13544	13247	12932	11975	11096	10161	9113	-	-	-	-	-	-	-	-	-	-
			57.0	3.18	57.0	3.18	57.0	3.20	57.0	3.23	57.0	3.26	57.0	3.29	60.0	3.24	60.0	3.24	64.0	3.19	68.0	3.17

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

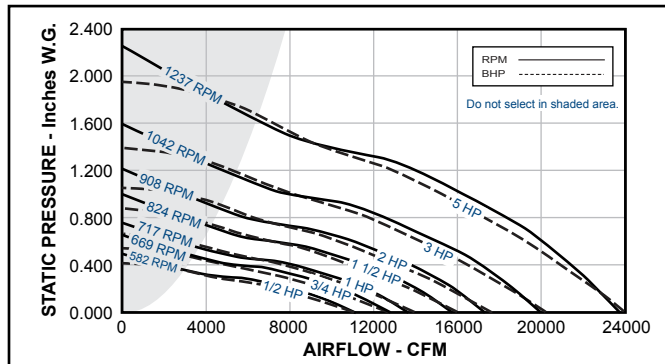
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



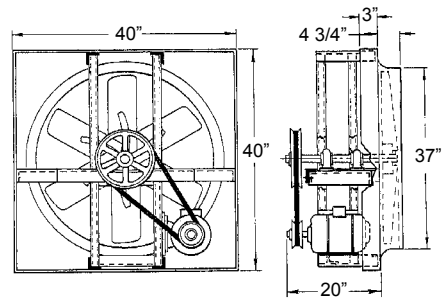
BCH36

BCH36 Belt Drive Fan Curves



BCH36 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Carbon Steel Mtr. Plate=10 Gage
Carbon Steel Tube = 16 Gage
Wall Opening = 40 3/4" SQ.
Wall Shutter ID = 40" SQ.
Max. Motor Frame Size = 184T
Peak BHP = (RPM/676) ³
Max. RPM = 1237 (5 HP)
Est. Ship Weight = 195 lbs.



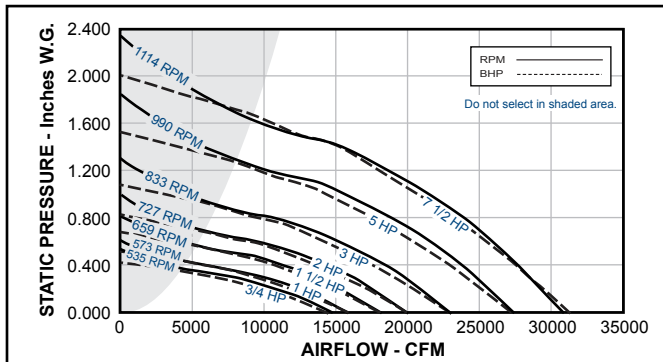
BCH36 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/2	370	3487	7092		4515		2979		-		-		-		-		-		-		-	
			6.5	0.13	6.3	0.15	6.3	0.14	-		-		-		-		-		-		-	
	470	4430	9009		7349		6728		3907		-		-		-		-		-		-	
3/4			9.6	0.27	8.8	0.30	8.9	0.30	8.9	0.28	-		-		-		-		-		-	
	582	5485	11156		9923		9564		8148		7038		-		-		-		-		-	
			13.8	0.50	12.8	0.55	12.6	0.56	12.3	0.57	12.3	0.56	-		-		-		-		-	
1	590	5561	11310		10099		9744		8381		7303		-		-		-		-		-	
			14.1	0.52	13.2	0.57	12.9	0.58	12.5	0.60	12.5	0.59	-		-		-		-		-	
	669	6305	12824		11791		11496		10499		9638		6917		-		-		-		-	
1 1/2			17.3	0.76	16.5	0.82	16.2	0.83	15.2	0.86	15.0	0.87	15.0	0.84	-		-		-		-	
	680	6409	13035		12021		11736		10764		9950		7415		-		-		-		-	
			17.7	0.80	16.9	0.86	16.7	0.87	15.6	0.90	15.4	0.91	15.4	0.89	-		-		-		-	
2	717	6758	13744		12790		12533		11648		10982		8759		4743		-		-		-	
			19.3	0.94	18.6	1.00	18.4	1.02	16.8	1.05	16.6	1.07	16.8	1.06	16.0	0.95	-		-		-	
3	720	6786	13802		12852		12596		11719		11055		8859		4855		-		-		-	
			19.4	0.95	18.7	1.02	18.5	1.03	17.0	1.06	16.7	1.08	16.9	1.07	16.1	0.96	-		-		-	
	740	6974	14185		13265		13016		12184		11544		9478		5959		-		-		-	
4			20.0	1.03	19.6	1.10	19.4	1.11	19.9	1.15	17.4	1.17	17.5	1.17	16.9	1.09	-		-		-	
	770	7257	14760		13882		13643		12858		12269		10361		7869		4152		-		-	
			22.0	1.16	21.0	1.23	21.0	1.25	19.5	1.29	18.6	1.31	18.4	1.32	18.3	1.28	17.2	1.17	-		-	
5	800	7540	15336		14496		14266		13525		12985		11246		9137		5242		-		-	
			23.0	1.31	22.0	1.38	22.0	1.39	21.0	1.44	19.8	1.46	19.2	1.49	19.7	1.45	18.2	1.32	-		-	
	824	7766	15796		14986		14762		14054		13546		11936		9984		6433		-		-	
6			24.0	1.43	23.0	1.50	23.0	1.52	22.0	1.56	21.0	1.59	19.9	1.62	21.0	1.60	19.1	1.49	-		-	
	830	7823	15911		15108		14886		14186		13682		12106		10184		6847		-		-	
			24.0	1.46	23.0	1.53	23.0	1.55	23.0	1.60	21.0	1.62	20.0	1.66	21.0	1.64	19.4	1.54	-		-	
7	850	8011	16294		15514		15297		14624		14132		12670		10811		8236		4773		-	
			25.0	1.57	24.0	1.64	24.0	1.66	24.0	1.71	22.0	1.74	21.0	1.78	21.0	1.77	21.0	1.70	19.1	1.57	-	
	880	8294	16869		16120		15913		15277		14801		13495		11692		9655		5879		-	
8			26.0	1.74	26.0	1.82	25.0	1.84	25.0	1.89	24.0	1.92	22.0	1.97	22.0	1.97	22.0	1.93	20.0	1.76	-	
	908	8558	17406		16680		16485		15876		15421		14180		12523		10718		7416		-	
			27.0	1.91	27.0	1.99	27.0	2.01	26.0	2.07	25.0	2.10	23.0	2.16	23.0	2.17	24.0	2.14	21.0	2.01	-	
9	920	8671	17636		16919		16729		16128		15686		14471		12876		11120		8248		-	
			28.0	1.99	27.0	2.07	27.0	2.09	27.0	2.15	26.0	2.18	23.0	2.24	23.0	2.26	25.0	2.23	22.0	2.13	-	
	940	8859	18019		17318		17136		16548		16124		14954		13456		11780		9493		-	
10			29.0	2.12	28.0	2.20	28.0	2.23	28.0	2.28	27.0	2.32	24.0	2.38	24.0	2.41	25.0	2.39	24.0	2.32	-	
	970	9142	18594		17915		17744		17174		16779		15670		14307		12667		10811		5115	
			30.0	2.33	30.0	2.42	30.0	2.44	29.0	2.50	29.0	2.53	25.0	2.61	24.0	2.65	25.0	2.64	26.0	2.58	22.0	2.33
11	1000	9425	19170		18510		18346		17798		17430		16380		15146		13552		11921		6181	
			32.0	2.55	31.0	2.64	31.0	2.67	31.0	2.73	30.0	2.77	27.0	2.85	26.0	2.90	26.0	2.90	28.0	2.86	23.0	2.56
	1042	9821	19975		19342		19184		18667		18313		17329		16216		14787		13270		8122	
12			32.0	2.89	31.0	2.98	31.0	3.00	31.0	3.07	30.0	3.11	28.0	3.20	27.0	3.33	27.0	3.36	27.0	3.34	25.0	3.11
	1050	9896	20128		19500		19343		18832		18481		17508		16411		15017		13506		8670	
			32.0	2.95	31.0	3.05	31.0	3.07	31.0	3.14	31.0	3.18	29.0	3.27	27.0	3.33	27.0	3.36	27.0	3.34	25.0	3.11
13	1070	10085	20511		19895		19741		19244		18899		17955		16896		15586		14094		10059	
			32.0	3.12	32.0	3.22	31.0	3.25	31.0	3.31	31.0	3.36	29.0	3.45	28.0	3.52	27.0	3.55	28.0	3.55	27.0	3.38
	1100	10367	21087		20487		20338		19860		19524		18621		17616		16431		14981		11650	
14			33.0	3.39	32.0	3.50	32.0	3.52	32.0	3.59	31.0	3.64	30.0	3.73	29.0	3.81	28.0	3.86	28.0	3.86	28.0	3.74
	1150	10838	22045		21472		21329		20881		20561		19721		18804		17764		16444		13607	
			35.0	3.88	35.0	3.98	34.0	4.01	34.0	4.09	34.0	4.13	33.0	4.24	31.0	4.33	30.0	4.39	29.0	4.42	30.0	4.34
15	1237	11658	23713		23180		23047		22647		22350		21605		20765		19867		1889		16317	
			40.0	4.83	39.0	4.94	39.0	4.97	38.0	5.05	38.0	5.10	36.0	5.23	35.0	5.33	33.0	5.41	32.0	5.48	31.0	5.48

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

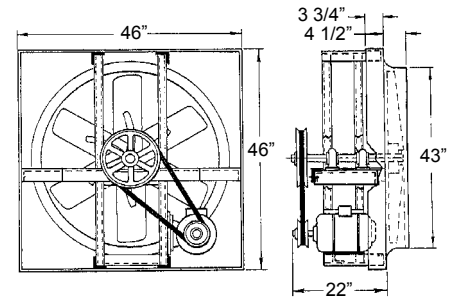
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› BCH42 Belt Drive Fan Curves



› BCH42 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Carbon Steel Mtr. Plate=10 Gage
Carbon Steel Tube = 16 Gage
Wall Opening = 46 3/4" SQ.
Wall Shutter ID = 46" SQ.
Max. Motor Frame Size = 184T
Peak BHP = (RPM/676) ³
Max. RPM = 1114 (7 1/2 HP)
Est. Ship Weight = 215 lbs.



› BCH42 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
3/4	460	5058	12749		10762		10220		7903		5659		-		-		-		-		-	
	535	5883	14828	0.51	13175	0.54	12709	0.55	11145	0.55	9817	0.53	4583		-		-		-		-	
1	540	5938	14967	0.80	13333	0.84	12871	0.85	11341	0.87	10051	0.86	4956		-		-		-		-	
	565	6212	15660	0.82	14114	0.86	13676	0.87	12307	0.89	11143	0.89	7102		-		-		-		-	
	573	6300	15881	0.94	14357	0.98	13932	0.99	12613	1.02	11464	1.02	7869		-		-		-		-	
1 1/2	580	6377	16075	0.98	14570	1.02	14155	1.03	12864	1.06	11744	1.06	8249		-		-		-		-	
	659	7246	18265	1.02	16940	1.06	16609	1.07	15498	1.10	14740	1.10	12200		8897		-		-		-	
2	670	7367	18570	1.49	17267	1.54	16941	1.5	15857	1.59	15112	1.61	12710		9540		-		-		-	
	700	7697	19401	1.57	18154	1.62	17842	1.63	16828	1.66	16115	1.69	13970		11132		6610		-		-	
	727	7994	20150	1.79	18949	1.84	18648	1.86	17693	1.89	17006	1.91	15042		12481		8914		-		-	
3	740	8137	20510	2.01	19330	2.06	19035	2.07	18107	2.11	17432	2.13	15552		13101		10174		-		-	
	760	8357	21064	2.11	19915	2.17	19628	2.18	18740	2.22	18083	2.25	16328		14043		11251		-		-	
	790	8687	21896	2.29	20791	2.35	20514	2.36	19683	2.40	19051	2.43	17472		15393		12830		-		-	
	833	9159	23088	2.57	22039	2.63	21777	2.65	20991	2.69	20423	2.71	18925		17114		14915		9083		-	
5	840	9236	23282	3.02	22242	3.08	21982	3.09	21203	3.14	20645	3.17	19160		17390		15245		12722		-	
	880	9676	24391	3.09	23398	3.16	23150	3.17	22406	3.22	21905	3.25	20487		18948		17078		14785		7958	
	900	9896	24945	3.56	23975	3.62	23732	3.64	23004	3.69	22519	3.72	21144		19714		17887		15745		9429	
	930	10226	25776	3.80	24837	3.87	24603	3.89	23898	3.94	23429	3.97	22121		20780		19082		17161		12375	
	960	10556	26608	4.20	25698	4.27	25471	4.28	24789	4.34	24334	4.37	23090		21791		20260		18546		14161	
	990	10886	27439	4.62	26557	4.69	26337	4.71	25675	4.76	25234	4.79	24052		22792		21420		19758		15746	
	1000	10996	27717	5.06	26843	5.14	26625	5.16	25970	5.21	25533	5.25	24371		23123		21803		20158		16266	
7 1/2	1020	11215	28271	5.22	27415	5.29	27201	5.31	26559	5.37	26131	5.40	25007		23783		22560		20953		17259	
	1040	11435	28825	5.54	27986	5.61	27776	5.63	27146	5.69	26726	5.73	25640		24440		23240		21739		18218	
	1070	11765	29657	5.87	28841	5.95	28637	5.97	28025	6.02	27616	6.06	26584		25418		24252		22906		19635	
	1095	12040	30350	6.39	29552	6.47	29353	6.49	28755	6.55	28356	6.59	27359		26227		25088		23868		20798	
	1114	12249	30876	6.85	30092	6.93	29896	6.95	29309	7.01	28917	7.05	27937		26839		25719		24592		21638	
			43.0	7.21	42.0	7.30	42.0	7.32	41.0	7.38	40.0	7.42	39.0	7.52	37.0	7.61	36.0	7.70	34.0	7.78	32.0	7.83

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

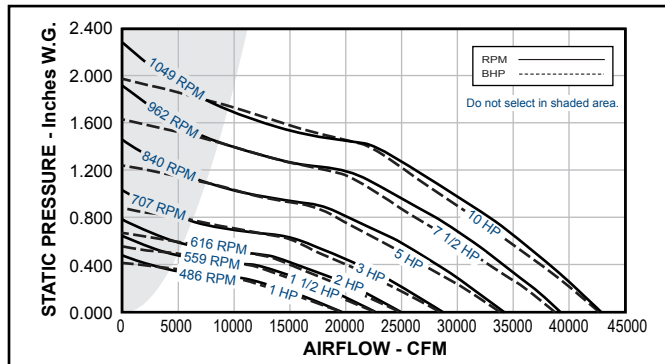
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



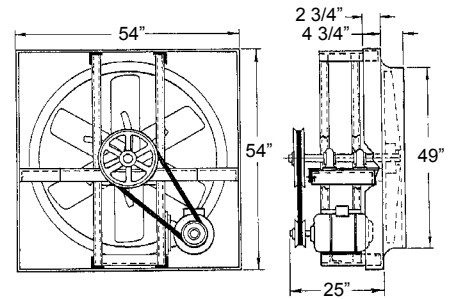
BCH48

› BCH48 Belt Drive Fan Curves



› BCH48 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Carbon Steel Mtr. Plate=10 Gage
Carbon Steel Tube = 16 Gage
Wall Opening = 55" SQ.
Wall Shutter ID = 54" SQ.
Max. Motor Frame Size = 286T
Peak BHP = (RPM/555) ³
Max. RPM = 1049 (10 HP)
Est. Ship Weight = 295 lbs.



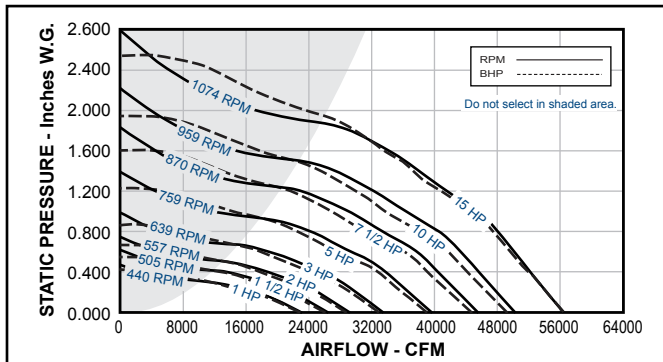
› BCH48 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1	400	5027	16306		13155		12208		8806		3537		-		-		-		-		-	
			9.9	0.56	9.9	0.59	9.9	0.59	9.5	0.57	9.2	0.54	-		-		-		-		-	
	440	5529	17936		15132		14335		11467		9128		-		-		-		-		-	
1 1/2	486	6107	150.0	0.74	15.4	0.78	14.4	0.79	15.8	0.78	15.8	0.74	-		-		-		-		-	
			19811		17327		16629		14313		12435		-		-		-		-		-	
			14.2	1.00	14.2	1.04	14.2	1.05	14.2	1.06	14.0	1.04	-		-		-		-		-	
2	490	6158	19974		17514		16824		14541		12696		4341		-		-		-		-	
			14.5	1.02	14.5	1.07	14.5	1.08	14.5	1.09	14.2	1.07	13.0	0.99	-		-		-		-	
	525	6597	21401		19137		18509		16477		14930		8629		-		-		-		-	
3	559	7025	16.8	1.26	16.7	1.31	16.6	1.32	16.7	1.34	16.8	1.33	15.5	1.23	-		-		-		-	
			22787		20693		20102		18259		16890		12841		-		-		-		-	
			19.4	1.52	19.2	1.57	19.1	1.58	18.9	1.62	19.5	1.62	19.0	1.55	-		-		-		-	
5	570	7163	23236		21188		20613		18825		17507		13573		5388		-		-		-	
			20.0	1.61	20.0	1.66	20.0	1.68	19.8	1.71	20.0	1.72	20.0	1.66	19.4	1.55	-		-		-	
	600	7540	24459		22521		21995		20312		19111		15541		8970		-		-		-	
7 1/2	616	7741	23.0	1.87	22.0	1.93	22.0	1.95	22.0	1.99	22.0	2.00	23.0	1.96	22.0	1.82	-		-		-	
			25111		23228		22726		21096		19948		16573		11910		-		-		-	
			24.0	2.03	24.0	2.09	24.0	2.10	24.0	2.15	23.0	2.16	24.0	2.14	24.0	2.02	-		-		-	
10	620	7791	25274		23404		22909		21290		20156		16830		12683		-		-		-	
			25.0	2.07	24.0	2.13	24.0	2.14	24.0	2.19	24.0	2.21	25.0	2.18	25.0	2.08	-		-		-	
	660	8294	26905		25159		24700		23220		22176		19286		15793		8604		-		-	
10	707	8884	29.0	2.49	28.0	2.56	28.0	2.58	28.0	2.62	28.0	2.65	29.0	2.66	29.0	2.58	29.0	2.41	-		-	
			28820		27203		26775		25424		24474		21930		18861		15556		7493		-	
			32.0	3.06	31.0	3.14	30.0	3.42	30.0	3.20	29.0	3.24	29.0	3.28	30.0	3.23	29.0	3.12	29.0	2.95	-	
10	710	8922	28943		27333		26907		25563		24619		22090		19054		15793		7796		-	
			32.0	3.10	31.0	3.18	31.0	3.19	30.0	3.24	29.0	3.28	29.0	3.32	30.0	3.27	29.0	3.16	28.0	2.98	-	
	770	9676	31389		29921		29527		28328		27470		25238		22721		19765		16597		-	
10	810	10179	35.0	3.96	34.0	4.04	34.0	4.06	33.0	4.11	32.0	4.15	31.0	4.23	30.0	4.22	29.0	4.14	29.0	4.01	-	
			33019		31627		31260		30138		29332		27243		24976		22338		19453		8006	
	840	10556	37.0	4.61	36.0	4.69	36.0	4.71	35.0	4.77	34.0	4.81	32.0	4.90	31.0	4.93	30.0	4.87	29.0	4.77	27.0	4.44
10			34242		32900		32554		31472		30715		28716		26677		24204		21423		11532	
			39.0	5.14	38.0	5.23	37.0	5.25	36.0	5.31	36.0	5.35	34.0	5.44	32.0	5.49	31.0	5.47	31.0	5.37	29.0	4.97
			34650		33323		32984		31915		31173		29204		27104		24780		22074		12914	
10	850	10681	40.0	5.33	38.0	5.41	38.0	5.43	37.0	5.50	36.0	5.54	35.0	5.63	33.0	5.69	32.0	5.67	31.0	5.58	29.0	5.18
			36280		35014		34697		33679		32997		31137		29188		27051		24641		19252	
	890	11184	42.0	6.11	41.0	6.20	40.0	6.23	39.0	6.29	39.0	6.34	37.0	6.44	35.0	6.52	33.0	6.53	33.0	6.47	32.0	6.20
10	910	11435	37096		35857		35547		34557		33891		32091		30202		28165		25901		20780	
			43.0	6.54	42.0	6.63	42.0	6.65	40.0	6.72	40.0	6.76	38.0	6.87	36.0	6.96	34.0	6.99	34.0	6.94	33.0	6.69
	950	11938	38726		37539		37243		36306		35668		33969		32181		30286		28223		23428	
10			46.0	7.44	44.0	7.53	44.0	7.56	43.0	7.63	42.0	7.67	40.0	7.79	38.0	7.89	36.0	7.94	35.0	7.93	35.0	7.73
			39216		38043		37750		36828		36198		34529		32770		30915		28904		24218	
	962	12089	46.0	7.72	45.0	7.82	45.0	7.84	43.0	7.92	43.0	7.96	41.0	8.087	39.0	8.18	37.0	8.25	36.0	8.24	35.0	8.05
10			39542		38379		38089		37176		36551		34902		33161		31333		29355		24741	
			47.0	7.91	45.0	8.01	45.0	8.04	44.0	8.11	43.0	8.16	41.0	8.27	39.0	8.38	37.0	8.45	36.0	8.45	35.0	8.27
	990	12441	40357		39218		38933		38045		37433		35830		34135		32372		30476		26038	
10			48.0	8.41	47.0	8.52	46.0	8.54	45.0	8.62	44.0	8.66	42.0	8.78	40.0	8.89	39.0	8.98	37.0	9.00	36.0	8.84
			41376		40265		39987		39128		38531		36984		35344		33647		31821		27646	
	1015	12755	50.0	9.07	48.0	9.17	48.0	9.20	47.0	9.27	46.0	9.32	44.0	9.45	42.0	9.56	40.0	9.67	38.0	9.70	37.0	9.58
10			42191		41102		40830		39992		39406		37903		36305		34641		32878		28916	
			51.0	9.61	50.0	9.72	49.0	9.75	48.0	9.83	47.0	9.88	45.0	10.00	43.0	10.12	41.0	10.23	39.0	10.27	38.0	10.19
	1035	13006	42762		41687		41419		40596		40018		38544		36971		35333		33614		29797	
10			52.0	10.01	51.0	10.12	50.0	10.14	49.0	10.22	48.0	10.28	46.0	10.40	44.0	10.52	42.0	10.63	40.0	10.69	38.0	10.63
			1049		13182																	

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

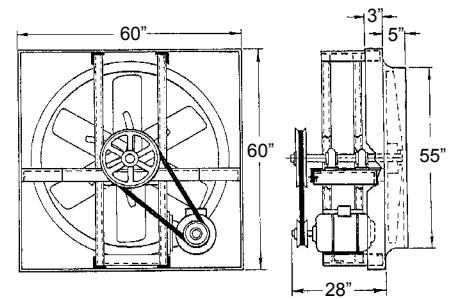
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› BCH54 Belt Drive Fan Curves



› BCH54 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Carbon Steel Mtr. Plate=10 Gage
Carbon Steel Tube = 16 Gage
Wall Opening = 61" SQ.
Wall Shutter ID = 60" SQ.
Max. Motor Frame Size = 286T
Peak BHP = (RPM/416) ³
Max. RPM = 1074 (15 HP)
Est. Ship Weight = 335 lbs.



› BCH54 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1	300	4241	15731		10711		8686		-		-		-		-		-		-		-	
			8.5	0.33	7.5	0.34	7.4	0.333	-		-		-		-		-		-		-	
	340	4807	17828		13961		12337		-		-		-		-		-		-		-	
1 1/2	440	6220	10.7	0.47	9.8	0.49	9.4	0.49	-		-		-		-		-		-		-	
			23072		20334		19647		16439		13927		-		-		-		-		-	
	450	6362	16.9	1.03	16.2	1.05	16.0	1.05	15.1	1.07	14.7	1.05	-		-		-		-		-	
2	505	7139	23596		20918		20252		17268		14922		-		-		-		-		-	
			17.6	1.10	16.8	1.12	16.6	1.12	15.8	1.14	15.3	1.1	-		-		-		-		-	
	510	7210	26480		24108		23498		21572		19462		13255		-		-		-		-	
3	557	7874	21.0	1.55	20.0	1.58	19.9	1.58	19.3	1.59	18.9	1.61	18.0	1.52	-		-		-		-	
			26743		24397		23789		21945		19872		13984		-		-		-		-	
	560	7917	21.0	1.59	20.0	1.62	20.0	1.63	19.6	1.64	19.2	1.65	18.3	1.58	-		-		-		-	
5	639	9034	29207		27083		26515		24879		23548		18852		-		-		-		-	
			26.0	2.08	25.0	2.11	25.0	2.12	24.0	2.13	23.0	2.14	23.0	2.14	-		-		-		-	
	650	9189	29365		27253		26688		25062		23773		19101		-		-		-		-	
7 1/2	759	10730	26.0	2.11	25.0	2.14	25.0	2.15	24.0	2.16	24.0	2.17	24.0	2.17	-		-		-		-	
			33507		31696		31201		29735		28796		25495		21360		-		-		-	
	770	10886	37.0	3.14	37.0	3.16	37.0	3.18	35.0	3.21	34.0	3.21	34.0	3.24	36.0	3.22	-		-		-	
10	820	11592	34084		32309		31822		30375		29452		26371		22322		16821		-		-	
			37.0	3.30	37.0	3.33	37.0	3.34	35.0	3.38	34.0	3.38	34.0	3.41	35.0	3.40	34.0	3.22	-		-	
	870	12299	36706		35075		34631		33276		32403		30173		26351		22451		-		-	
15	900	12723	37.0	4.13	36.0	4.15	36.0	4.16	35.0	4.21	34.0	4.22	32.0	4.23	32.0	4.29	32.0	4.22	-		-	
			39800		38296		37916		36666		35833		33840		31118		27481		23812		-	
	920	13006	37.0	5.26	35.0	5.28	35.0	5.29	34.0	5.34	33.0	5.37	32.0	5.38	30.0	5.42	29.0	5.49	28.0	5.36	-	
15	940	13289	40376		38894		38524		37293		34672		34512		31962		28407		24912		-	
			37.0	5.49	36.0	5.52	35.0	5.52	34.0	5.57	34.0	5.61	32.0	5.61	31.0	5.65	30.0	5.72	29.0	5.62	-	
	959	13558	42998		41607		41259		40129		39357		37490		35590		32519		29211		20950	
15	970	13713	40.0	6.63	39.0	6.66	38.0	6.66	37.0	6.71	36.0	6.75	35.0	6.78	33.0	6.80	32.0	6.86	31.0	6.89	29.0	6.45
			45620		44308		43981		42941		42214		40426		38682		36426		33323		26849	
	1010	14279	43.0	7.92	42.0	7.95	41.0	7.96	40.0	7.99	39.0	8.03	38.0	8.10	36.0	8.10	35.0	8.15	34.0	8.22	33.0	8.04
15	1030	14561	46145		44848		44524		43501		42782		41009		39295		37180		34145		27855	
			44.0	8.20	42.0	8.23	42.0	8.23	41.0	8.27	40.0	8.31	38.0	8.38	36.0	8.38	35.0	8.43	34.0	8.49	33.0	8.36
	1050	14844	47193		45925		45608		44619		43916		42171		40504		38678		35762		29844	
15	1074	15183	45.0	8.77	44.0	8.80	43.0	8.80	42.0	8.84	41.0	8.88	39.0	8.96	37.0	8.96	36.0	9.00	35.0	9.06	34.0	8.99
			48242		47002		46691		45734		45047		43328		41697		39992		37354		31628	
	1074	15183	47.0	9.37	45.0	9.40	45.0	9.40	43.0	9.43	42.0	9.47	40.0	9.58	39.0	9.58	37.0	9.61	36.0	9.66	35.0	9.66
15	1074	15183	49291		48077		47773		46847		46174		44492		42884		41234		38913		33197	
			48.0	9.99	46.0	10.02	46.0	10.03	45.0	10.06	44.0	10.10	42.0	10.20	40.0	10.21	38.0	10.24	37.0	10.29	36.0	10.36
	1074	15183	50287		49097		48800		47901		47242		45593		44007		42407		40353		34671	
15	1074	15183	49.0	10.61	47.0	10.64	47.0	10.65	46.0	10.67	45.0	10.71	43.0	10.82	41.0	10.85	39.0	10.86	38.0	10.91	37.0	11.07
			50864		49687		49393		48511		47859		46229		44654		43083		41181		35599	
	1074	15183	50.0	10.98	48.0	11.01	48.0	11.02	46.0	11.04	45.0	11.08	43.0	11.19	41.0	11.22	40.0	11.23	38.0	11.28	37.0	11.40
15	1074	15183	51913		50760		50472		49607		48979		47382		45827		44307		42675		37271	
			51.0	11.67	49.0	11.70	49.0	11.71	48.0	11.73	47.0	11.77	44.0	11.88	42.0	11.93	41.0	11.93	39.0	11.98	38.0	12.13
	1074	15183	52961		51831		51549		50702		50096		48531		46996		45510		43945		38924	
15	1074	15183	52.0	12.40	50.0	12.43	50.0	12.43	49.0	12.46	48.0	12.49	46.0	12.60	44.0	12.67	42.0	12.67	40.0	12.71	39.0	12.85
			54010		52902		52625		51794		51211		49676		48159		46703		45187		40553	
	1074	15183	54.0	13.15	52.0	13.18	51.0	13.19	50.0	13.21	49.0	13.24	47.0	13.35	45.0	13.44	43.0	13.44	41.0	13.47	40.0	13.60
15	1074	15183	55059		53972		53700		52885		52323		50817		49318		47890		46422		42154	
			55.0	13.93	53.0	13.96	53.0	13.97	52.0	13.99	51.0	14.02	48.0	14.13	46.0	14.24	44.0	14.24	42.0	14.26	41.0	14.38
	1074	15183	56317		55255		54989		54192		53655		52183		50711		49307		47895		44056	
15	1074	15183	57.0	14.91	55.0	14.94	55.0	14.94	53.0	14.97	52.0	14.99	50.0	15.11	48.0	15.22	46.0	15.23	44.0	15.24	42.0	15.35

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

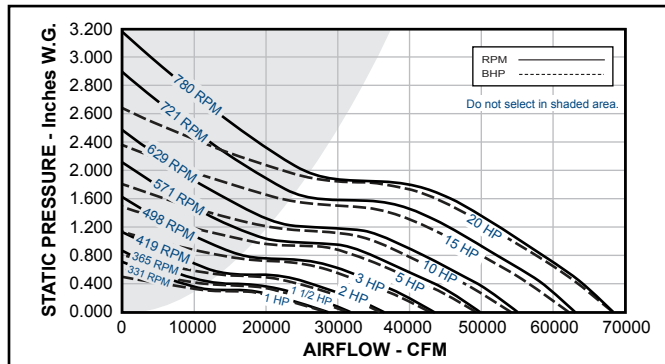
Dimensional Information & Performance Data

Breezeway Wall Mounted Propeller Fans | Belt Drive



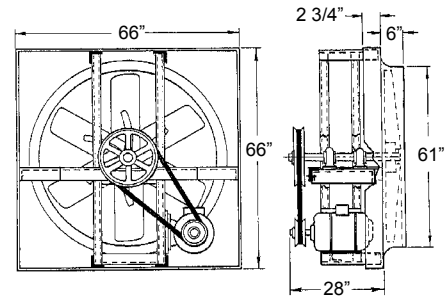
BCH60

› BCH60 Belt Drive Fan Curves



› BCH60 Belt Drive Fan Dimensional Data

Carbon Steel Panel = 16 Gage
Carbon Steel Mtr. Plate=10 Gage
Carbon Steel Tube = 16 Gage
Wall Opening = 67" SQ.
Wall Shutter ID = 66" SQ.
Max. Motor Frame Size = 286T
Peak BHP = (RPM/246) ³
Max. RPM = 780 (20 HP)
Est. Ship Weight = 420 lbs.



› BCH60 Belt Drive Fan Performance Data

HP	RPM	Tip Speed FPM	0.000" SP		0.100" SP		0.125" SP		0.200" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1 1/2	241	3786	21063	15681	13828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	270	4241	23598	18983	17597	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	331	5199	28929	25548	24423	21005	17965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	340	5341	29716	26485	25389	22081	19435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	365	5733	31901	28976	20834	24948	22847	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	370	5812	32338	29461	28557	25515	23476	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	419	6582	36620	34154	33453	30927	29128	24180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	430	6754	37582	35196	34513	32108	30360	25766	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	498	7823	43525	41530	40977	39208	37731	33957	29964	18028	-	-	-	-	-	-	-	-	-	-	-	-
5	510	8011	44574	42626	42105	40378	38997	35318	31527	24750	-	-	-	-	-	-	-	-	-	-	-	-
	545	8561	47632	45810	45354	43761	42643	39218	35774	31807	19636	-	-	-	-	-	-	-	-	-	-	-
	571	8969	49905	48165	47731	46250	45222	42053	38752	35350	30653	-	-	-	-	-	-	-	-	-	-	-
7 1/2	580	9111	50692	48979	48551	47108	46095	43022	39775	36488	32359	-	-	-	-	-	-	-	-	-	-	-
	600	9425	52440	50784	50370	49007	4028	45159	42030	38914	35274	-	-	-	-	-	-	-	-	-	-	-
	615	9660	53751	52135	51732	50426	49471	46748	43703	40651	37385	-	-	-	-	-	-	-	-	-	-	-
10	629	9880	54974	53395	53000	51745	50812	48221	45251	42257	39168	22607	-	-	-	-	-	-	-	-	-	-
	640	10053	55936	54384	53996	52780	51862	49373	46459	43508	40554	27400	-	-	-	-	-	-	-	-	-	-
	660	10367	57684	56179	55802	54655	53765	51453	48631	45775	42946	35529	-	-	-	-	-	-	-	-	-	-
15	680	10681	59432	57971	57606	56510	55660	53501	50779	48017	45256	38871	-	-	-	-	-	-	-	-	-	-
	700	10996	61180	59761	59406	58342	57548	55450	52907	50234	47537	41763	-	-	-	-	-	-	-	-	-	-
	721	11325	63015	61637	61293	60260	59522	57486	55124	52539	49919	44554	-	-	-	-	-	-	-	-	-	-
20	730	11467	63802	62441	62101	61080	60366	58355	56068	53517	50932	45694	-	-	-	-	-	-	-	-	-	-
	745	11702	65112	63779	63446	62446	61770	59800	57636	55136	52610	47579	-	-	-	-	-	-	-	-	-	-
	760	11938	66424	65117	64790	63810	63156	61239	59195	56744	54276	49345	-	-	-	-	-	-	-	-	-	-
	775	12174	67735	66453	66133	65171	64531	62675	60746	58343	55931	51083	-	-	-	-	-	-	-	-	-	-
	780	12252	68172	66898	66580	65625	64988	63152	61262	58874	56480	51660	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

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› Model

BC
BX
BCH
BLL
BHM
BHH
P

› Unit Size

10	12	14	16	18	20	24
30	36	42	48	54	60	

› Drive Type

D = Direct Drive B = Belt Drive

› Motor Tap

M = 690 RPM	Q1A = 1650 RPM
Q1 = 1750 RPM	Q = 1725 RPM
T = 1140 RPM	Q2 = 1750 RPM
T2 = 1140 RPM	T1 = 1140 RPM
W1 = 860 RPM	W = 860 RPM
W3 = 860 RPM	W2 = 860 RPM
RA = 1550 RPM	SA = 1300 RPM
VA = 1050 RPM	TA = 1140 RPM

› Motor Speed

1 = Single Speed
2 = 2S2W Single & Three Phase
3 = 2S1W Three Phase

› Horse Power

1/30	1/12	1/6	1/4	1/3
1/2	3/4	1	1 1/2	2
3	5	7 1/2	10	15
20				

› Enclosure

O = Open Drip Proof
T = Totally Enclosed
E = Explosion Proof
X = Special

› Voltage

A = 110V	G = 230V
B = 115V	H = 240V
C = 120V	N = 440V
D = 200V	P = 460V
E = 208V	Q = 480V
F = 220V	R = 575V
X = Special	

› Phase

1 = Single 3 = Three

› Frequency

5 = 50 Hz 6 = 60 Hz

› Efficiency

S = Standard
P = Premium
X = Special

› Application

E = Exhaust S = Supply

› Paint / Coating

0 = None
F = Epoxy Powder Coat*
G = Epoxy Powder Coat with UV*
K = Phenolic Powder Coat*
L = Phenolic Powder Coat with UV*
N = Polyester Powder Coat
1 = Polyester Powder Coat - Fan & Accessories
2 = Epoxy Powder Coat* - Fan & Accessories
3 = Epoxy Powder Coat with UV* - Fan & Accessories
4 = Phenolic Powder Coat* - Fan & Accessories
5 = Phenolic Powder Coat* - Fan & Accessories
X = Special

* Not available with choice of color.

› Color

0 = None
50 = Chrome Green
53 = Williamsburg Blue
55 = Pale Green
56 = Dove Gray
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

› Shutter

0 = None
A = Steel Wall Exhaust Shutter Blades
B = Alum. Wall Exhaust Shutter Blades
C = Steel WS 115V Motor Exhaust
T = Steel WS 230V Motor Exhaust
E = Steel WS 460V Motor Exhaust
G = Alum. WS 115V Motor Exhaust
U = Alum. WS 230V Motor Exhaust
I = Alum. WS 460V Motor Exhaust
S = Steel WS 115V Explosion Proof Motor Operated
K = Steel Blades 115V Motor Supply Shutter
K = Steel Blades 230V Motor Supply Shutter
K = Steel Blades 460V Motor Supply Shutter
X = Special

› Extended Lube Lines

(With Assembled Wall Sleeve Only)
0 = None
L = Lube Lines

› Front Guard

0 = None
A = Assembled (P, BX, BC, BLL, BCH Standard, BHH/BHM Optional)
B = Knocked Down (BHH, BHM Standard)

› Rear Guard without Wall Sleeve

0 = None
A = Assembled (P, BX, BC, BLL, BCH Standard, BHH/BHM Optional)
B = Knocked Down (BHH, BHM Standard)

› Weathershield with Guard

0 = None
A = Assembled (P, BX, BC, BLL, BCH Standard, BHH/BHM Optional)
B = Knocked Down (BHH, BHM Standard)

› Wall Sleeve with Rear Guard

0 = None
A = Assembled (P, BX, BC, BLL, BCH Standard, BHH/BHM Optional)
B = Knocked Down (BHH, BHM Standard)

› Front Guard for Wall Sleeve

0 = None
A = Assembled

› Thermal Overload Protection

0 = None
P = Thermal Overload Protection

› Disconnect Switch

0 = None
1 = Nema 1 Disconnect Switch
3R = Nema 3R Disconnect Switch
4 = Nema 4 Disconnect Switch
7 = Nema 7 Disconnect Switch
9 = Nema 9 Disconnect Switch
X = Special

› Internal Wiring

0 = None
3R = Nema 3 Wiring; 6ft Pigtail
X = Special

› Firestat Switch

0 = None
F = Firestat Switch

› P-Series Speed Control

0 = None
L = Loose
X = Special

› P-Series Fan Pack

0 = None
F = Fan Pack

Engineering Specifications

Breezeway Wall Mounted Propeller Fans



Engineering Specifications

Wall Mounted Propeller Fans

› P-Series

Direct drive Axial Panel exhaust or supply fan shall be Breezeway P manufactured by PennBarry, Richardson, Texas.

Motors are rigidly mounted on a heavy gauge wire basket/rear guard of concentric rings meeting OSHA specification. Vibration isolation is provided between the motor/guard assembly and a coated steel fan panel featuring welded corners, pre-punched mounting holes, and a deeply spun venturi. Statically balanced propellers are die formed aluminum. Motors shall be continuous duty, multi-speed (for applicable models) and permanently lubricated.

Each fan shall bear the AMCA Licensed Ratings Seal for Air and Sound Performance, and shall be UL and CSA Listed.

› Breezex

Direct drive Axial Panel exhaust or supply fan shall be Breezeway BX manufactured by PennBarry, Richardson, Texas.

Motors are installed on a heavy gauge mounting plate welded to a formed heavy wall tubular frame, welded onto a coated steel fan panel featuring welded corners, pre-punched mounting holes, and a deeply spun venturi. Statically balanced propellers are aluminum. Motors shall be Totally Enclosed (TE), continuous duty, ball bearing design, include thermal overload protection and be reversible. A reversing switch shall be supplied. (Explosion Proof, Cls. 1, Div. 1, Grp. D, optionally available; reversing switch by others.)

› BC

Direct drive Axial Panel exhaust or supply fan shall be Breezeway BC manufactured by PennBarry, Richardson, Texas.

A heavy gauge motor mounting platform is supported by formed integral stiffening flanges and welded onto a coated steel fan panel featuring welded corners, pre-punched mounting holes, and a deeply spun venturi. Statically balanced propellers shall be cast aluminum and airfoil shaped. Motors shall be continuous duty, ball bearing design, positively cooled and furnished at the specified voltage and phase.

› BLL

Belt driven Axial Panel exhaust fan shall be Breezeway BLL manufactured by PennBarry, Richardson, Texas.

A heavy gauge motor mounting platform is supported by formed integral stiffening flanges and welded onto a coated steel fan panel featuring welded corners, pre-punched mounting holes, and a deeply spun venturi. Statically balanced propellers shall be heavy gage steel. Motors shall be continuous duty, ball bearing design, and positively cooled, furnished at the specified voltage, phase, and enclosure. Shafts shall be turned, ground and polished. Heavy duty ball bearings are rated for a minimum L50 life exceeding 200,000 hours. Pulleys shall be adjustable, cast iron, machined, keyed, securely attached and sized for 150% of the horsepower at its rated maximum speed.

Each fan shall bear the AMCA Licensed Ratings Seal for Air and Sound Performance, and shall be UL and CSA Listed.

› BHM

Belt driven Axial Panel exhaust or supply fan shall be Breezeway BHM manufactured by PennBarry, Richardson, Texas.

A heavy gauge motor mounting panel is fastened to heavy gauge structural channel framework laterally supported and fastened onto a galvanized steel fan panel featuring toggle-lock corners, pre-punched mounting holes, and a deeply spun reverse venturi. Statically balanced propellers shall be coated heavy gage steel, utilizing a fully welded, coated heavy gage steel spider. Motors shall be continuous duty, ball bearing design, and positively cooled, furnished at the specified voltage, phase, and enclosure. Shafts shall be turned, ground and polished. Heavy duty ball bearings are rated for a minimum L50 life exceeding 200,000 hours. Pulleys shall be adjustable, cast iron, machined, keyed, securely attached and sized for 150% of the horsepower at its rated maximum speed.

Each fan shall bear the AMCA Licensed Ratings Seal for Air and Sound Performance, and shall be UL and CSA Listed.

› BHH

Belt driven Axial Panel exhaust or supply fan shall be Breezeway BHH manufactured by PennBarry, Richardson, Texas.

A heavy gauge motor mounting panel is fastened to heavy gauge structural channel framework laterally supported and fastened onto a galvanized steel fan panel featuring toggle-lock corners, pre-punched mounting holes, and a deeply spun reverse venturi. Statically balanced propellers shall be coated heavy gage steel, utilizing a fully welded, coated heavy gage steel spider. Motors shall be continuous duty, ball bearing design and positively cooled, furnished at the specified voltage, phase and enclosure. Shafts shall be turned, ground and polished. Heavy duty ball bearings are rated for a minimum L50 life exceeding 200,000 hours. Pulleys shall be adjustable, cast iron, machined, keyed, securely attached and sized for 150% of the horsepower at its rated maximum speed.

Each fan shall bear the AMCA Licensed Ratings Seal for Air and Sound Performance, and shall be UL and CSA Listed.

› BCH

Belt driven Axial Panel exhaust fan shall be Breezeway BCH manufactured by PennBarry, Richardson, Texas.

A heavy gauge motor mounting panel is welded to heavy gauge structural angle and tubular welded framework laterally supported and welded onto a coated steel fan panel featuring welded corners, pre-punched mounting holes and a deeply spun venturi. Statically balanced propellers shall be cast aluminum and airfoil shaped. Motors shall be continuous duty, ball bearing design, positively cooled and furnished at the specified voltage, phase and enclosure. Shafts shall be turned, ground and polished. Heavy duty ball bearings are rated for a minimum L50 life exceeding 200,000 hours. Pulleys shall be adjustable, cast iron, machined, keyed, securely attached and sized for 150% of the horsepower at its rated maximum speed.

Each fan shall bear the AMCA Licensed Ratings Seal for Air and Sound Performance, and shall be UL and CSA Listed.

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› Products Covered

PennBarry Fans and Ventilators (each, a “PennBarry Product”)

› One Year Limited Warranty For PennBarry Products

PennBarry warrants to the original commercial purchaser that the PennBarry Products will be free from defects in material and workmanship for a period of one (1) year from the date of shipment.

› Exclusive Remedy

PennBarry will, at its option, repair or replace (without removal or installation) the affected components of any defective PennBarry Product; repair or replace (without removal or installation) the entire defective PennBarry Product; or refund the invoice price of the PennBarry Product. In all cases, a reasonable time period must be allowed for warranty repairs to be completed.

› What You Must Do

In order to make a claim under these warranties:

- You must be the original commercial purchaser of the PennBarry Product.
- You must promptly notify us, within the warranty period, of any defect and provide us with any substantiation that we may reasonably request.
- The PennBarry Product must have been installed and maintained in accordance with good industry practice and any specific PennBarry recommendations.

› Exclusions

These warranties do not cover defects caused by:

- Improper design or operation of the system into which the PennBarry Product is incorporated.
- Improper installation.
- Accident, abuse or misuse.
- Unreasonable use (including any use for non-commercial purposes, failure to provide reasonable and necessary maintenance as specified by PennBarry, misapplication and operation in excess of stated performance characteristics).
- Components not manufactured by PennBarry.

› Limitations

- In all cases, PennBarry reserves the right to fully satisfy its obligations under the Limited Warranties by refunding the invoice price of the defective PennBarry Product (or, if the PennBarry Product has been discontinued, of the most nearly comparable current product).
- PennBarry reserves the right to furnish a substitute or replacement component or product in the event a PennBarry Product or any component of the product is discontinued or otherwise unavailable.
- PennBarry's only obligation with respect to components not manufactured by PennBarry shall be to pass through the warranty made by the manufacturer of the defective component.

› General

The foregoing warranties are exclusive and in lieu of all other warranties except that of title, whether written, oral or implied, in fact or in law (including any warranty of merchantability or fitness for a particular purpose).

PennBarry hereby disclaims any liability for special, punitive, indirect, incidental or consequential damages, including without limitation lost profits or revenues, loss of use of equipment, cost of capital, cost of substitute products, facilities or services, downtime, shutdown or slowdown costs.

The remedies of the original commercial purchaser set forth herein are exclusive and the liability of PennBarry with respect to the PennBarry Products, whether in contract, tort, warranty, strict liability or other legal theory shall not exceed the invoice price charged by PennBarry to its customer for the affected PennBarry Product at the time the claim is made.

*Inquiries regarding these warranties should be sent to:
PennBarry, 1401 North Plano Road, Richardson, TX 75081*

Other PennBarry Products

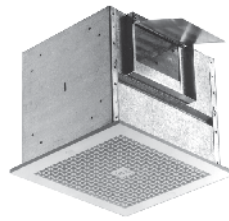
Centrifugal Products



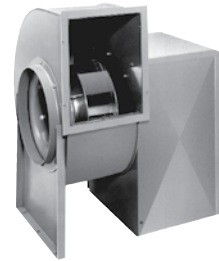
› **Domex**
Centrifugal
Roof Exhausters



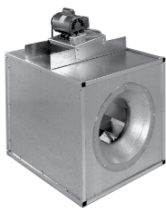
› **Fumex Fatrap**
Kitchen Hood Centrifugal
Roof Exhausters



› **Zephyr**
Ceiling and Inline Fans



› **Dynamo**
Centrifugal Blowers



› **Centrex Inliner**
Centrifugal Inline Fan



› **LC Dynafan**
Low Contour Centrifugal
Roof Exhausters

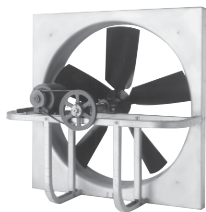


› **ESI**
Efficient Silent
Inline Fan



› **Fume Exhaust**
Curb Mounted
Centrifugal Fans

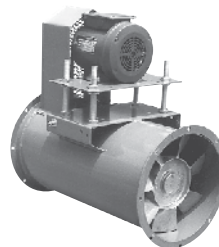
Axial / Gravity Products



› **Breezeway**
Propeller Wall Fan



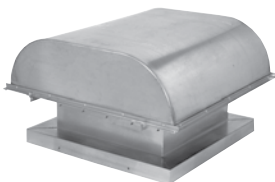
› **Hi-Ex**
Power Roof Ventilator



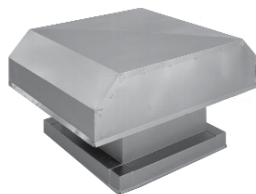
› **Tubeaxial**
Inline Fans



› **Vaneaxial**
Inline Fans



› **Powered Airette**
Axial Roof Ventilators



› **Airette**
Gravity Intake/Relief Hood



› **Domex Axial**
Axial Roof Ventilators



› **Axcentrix**
Bifurcator Fan

