

› **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

#### › 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.