

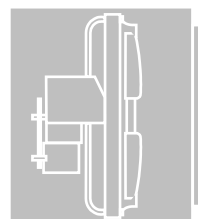
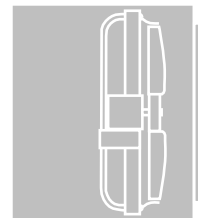
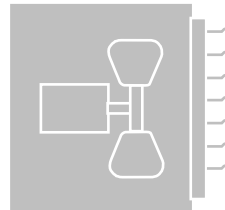
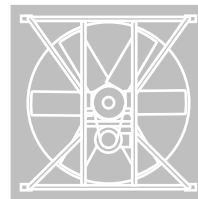
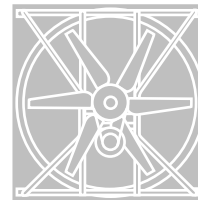
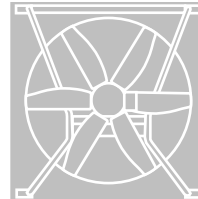
PROPELLER WALL



COOK

Propeller Wall

Propeller Wall Fans



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Introduction

Loren Cook Company Propeller Wall Fans are offered with four styles of propellers, in two drive configurations and with a variety of available accessories to adapt the fans to many different installations. All units are produced in an ISO 9001 certified facility and are listed by Underwriters Laboratory (UL 705) and UL Listed for Canada (cUL 705).



SWD



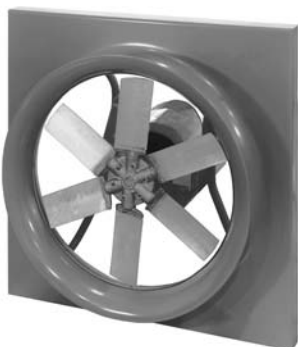
XLW, XMW



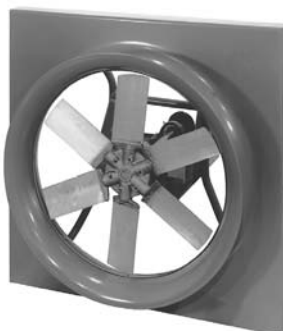
AWD



AWB



EWD



EWB



**SPD, APD, EPD, XLP,
XMP, APB, EPB**

- SWD is a direct drive unit that utilizes the Cook “S series” aluminum propeller and is available in 8 sizes from 8 to 24 inches. Performance ranges from 90 to 6,600 CFM, with static pressures from 0 to 1/2 inches.

- SWD is licensed to bear AMCA Certified Seals for Air and Sound Performance.

- XLW and XMW utilize the Cook “X.STREAM series” low and medium pressure steel propeller.

- XLW, XMW, XLWH, and XMWH are licensed to bear AMCA Certified Seals for Air and Sound Performance.

- XLW and XMW are belt drive units available in 8 sizes from 20 to 60 inches. Performance ranges from 2,400 to 58,500 CFM, with static pressures from 0 to 1 inch.

- AWD and AWB utilize the Cook “A series” cast aluminum airfoil propeller.

- AWD and AWB are licensed to bear AMCA Certified Seals for Air and Sound Performance.

- AWD is a direct drive unit available in 8 sizes from 12 to 48 inches. Performance ranges from 560 to 33,700 CFM, with static pressures from 0 to 3/4 inches.

- AWB is a belt drive unit available in 5 sizes from 24 to 48 inches. Performance ranges from 2,400 to 38,900 CFM, with static pressures from 0 to 1/2 inches.

- EWD and EWB utilize the Cook “E series” extruded aluminum airfoil propeller.

- EWB is licensed to bear AMCA Certified Seals for Air and Sound Performance.

- EWD is direct drive unit available in 6 sizes from 24 to 54 inches. Performance ranges from 2,400 to 49,300 CFM, with static pressures from 0 to 1 inch.

- EWB is a belt drive unit available in 5 sizes from 24 to 72 inches. Performance ranges from 1,800 to 90,900 CFM, with static pressures from 0 to 1 1/2 inches.

- SPD, APD, EPD, XLP, XMP, APB, and EPB are packaged fans utilizing the corresponding Loren Cook propeller.

- APD and APB are licensed to bear AMCA Certified Seals for Air Performance.

- Packaged fans include a standard wall fan in a galvanized steel enclosure with integral mounting flange and weather resistant shutter.



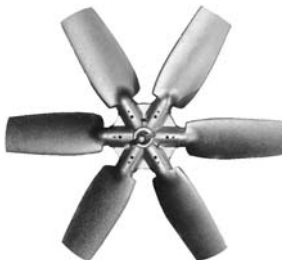
“S Series” - Aluminum Propeller

- Designed for light commercial and industrial direct drive applications.
- Constructed of standard aluminum blades and mounted to a steel hub.
- Available in both exhaust and supply.



“X.STREAM Series” - Steel Propeller

- Designed using Computational Fluid Dynamics (CFD) and Finite Element Analysis (FEA) to provide optimum air flow, efficiency, quality and durability.
- Available in both low pressure (XLW/XLP) and medium pressure (XMW/XMP) models providing a wide performance range, high pressure capabilities, and low noise levels.
- Constructed of fabricated steel blades securely attached to a minimum 7 gauge steel hub.
- Available in both exhaust and supply.



“A Series” - Cast Aluminum Airfoil Propeller

- Designed for heavy commercial or industrial applications where large volumes of air are required at low static pressures.
- Constructed of heavy gauge aluminum with six cast blades and a cast hub.
- Blade pitch is determined at the factory and the blades are locked into place with roll pins.
- Available in both exhaust and supply.



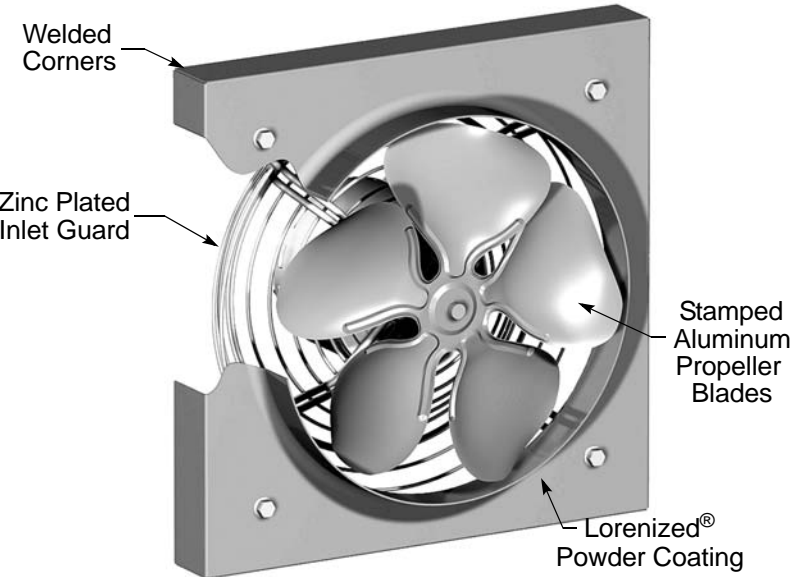
“E Series” - Extruded Aluminum Airfoil Propeller

- Designed for use where higher static pressures are required.
- Constructed with six extruded aluminum airfoil blades and mounted in a cast aluminum hub.
- Blade pitch is determined at the factory and the blades are locked into place with roll pins.
- E series blade has a non-overloading characteristic such as is found in a centrifugal type wheel.
- Statically and dynamically balanced for vibration free operation.
- Available in both exhaust and supply.

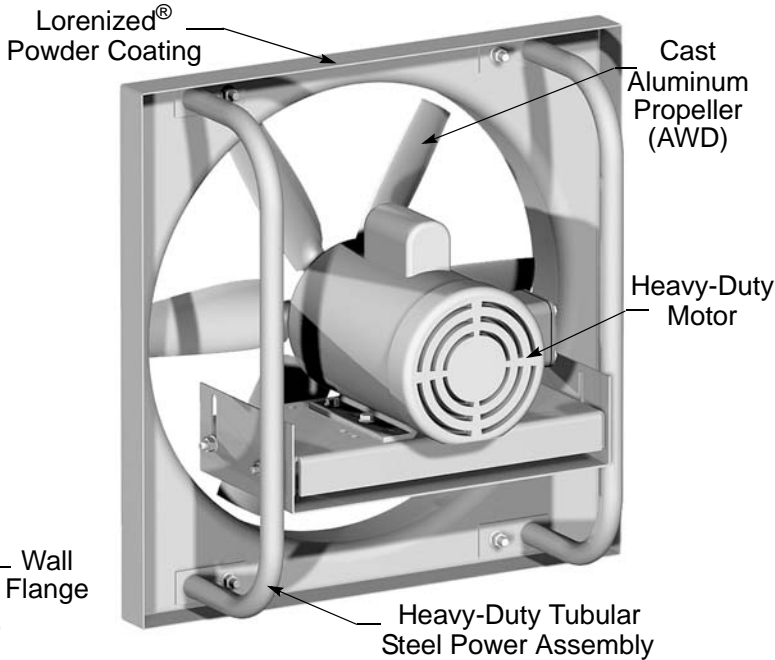
Standard Construction

Direct Drive

Standard Duty SWD

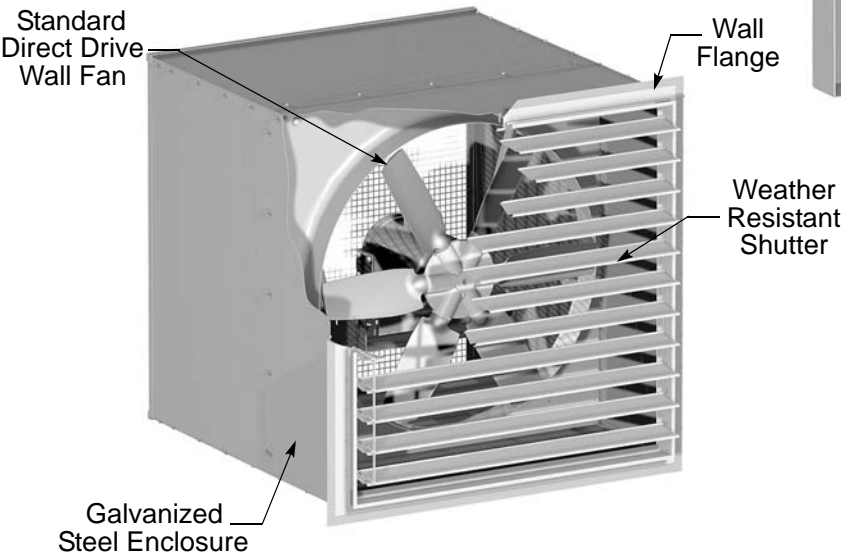


Heavy-Duty AWD, EWD



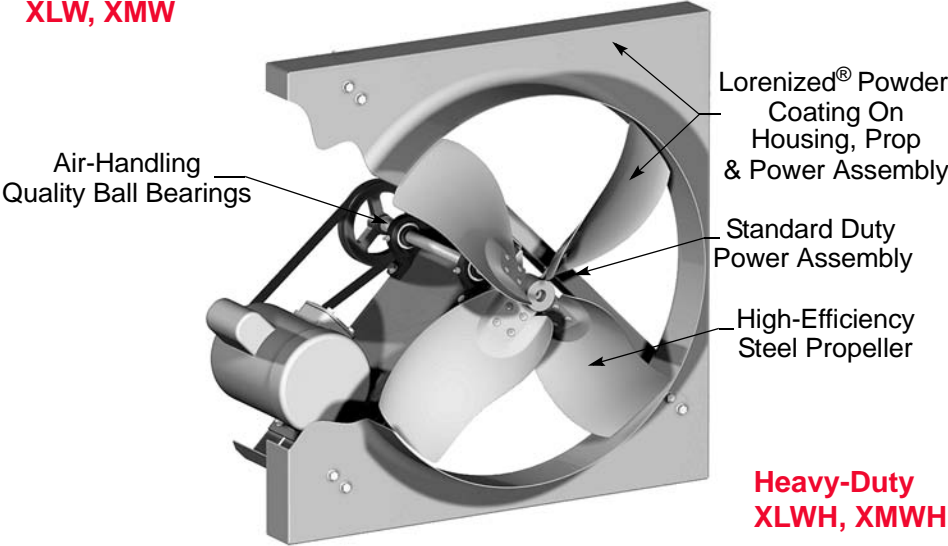
Pac-Fan

SPD, APD, EPD

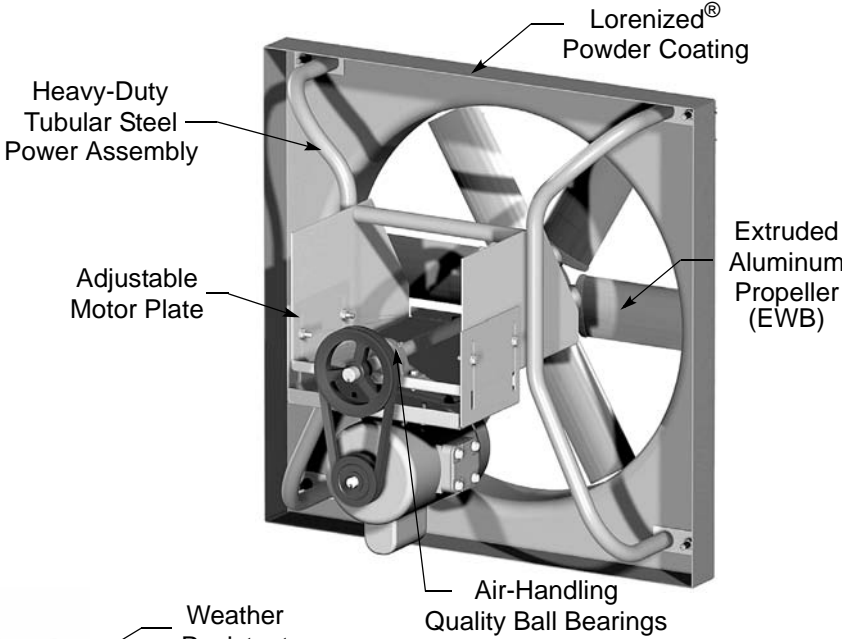


Belt Drive

**Standard Duty
XLW, XMW**

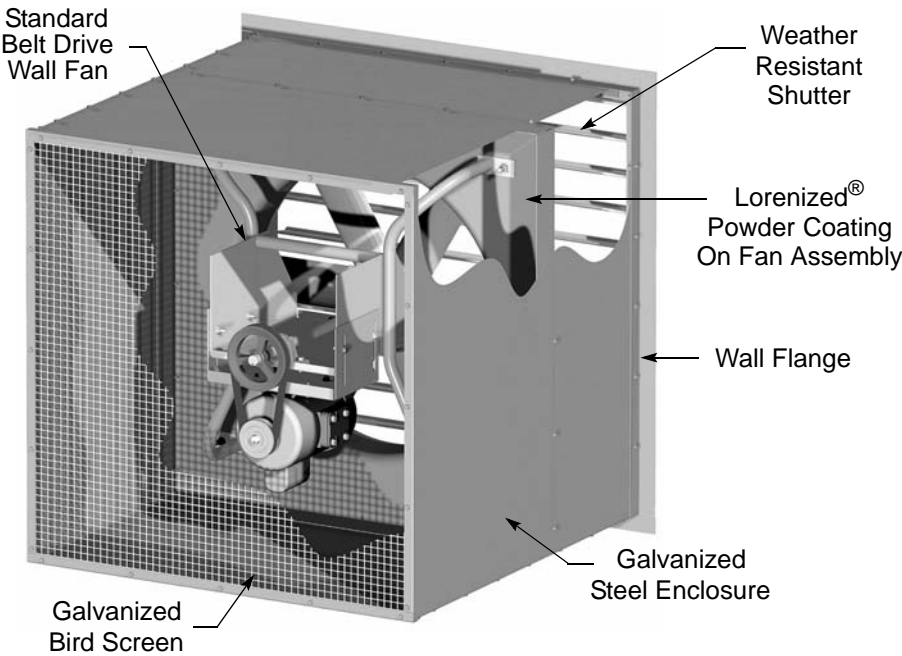


**Heavy-Duty
XLWH, XMWH, AWB, EWB**



Pac-Fan

XLP, XMP, APB, EPB



Wall Fan
Aluminum Propeller
Direct Drive



Loren Cook Company certifies that the SWD shown herein is 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.



Model SWD is furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Model SWD is furnished standard with cUL listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a wall mounted, direct driven, propeller exhaust fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor shall be mounted on a 12 gauge steel wire guard. The wire guard shall be bolted to a minimum 14 gauge steel panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hours salt spray under ASTM B117 test method.

Propeller - Propeller shall have aluminum blades riveted to a painted steel hub. The hub shall be securely fastened to the motor shaft utilizing two setscrews. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

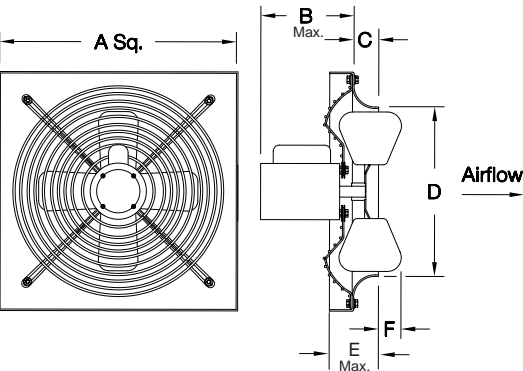
Motor - Motor shall be 115/1/60, open drip-proof type.

Product - Fan shall be type SWD as manufactured by Loren Cook Company of Springfield, Missouri.

SWD Dimension Data

SIZE	A	B	C	D	E	F	WALL OPENING*	SHIPPING WEIGHT
8	12-3/16	3-1/4	1	8-3/4	2	1/2	12-7/16	12
10	16-3/16	4-3/4	1-1/2	10-3/4	2	1-1/8	16-7/16	20
12	16-3/16	4-3/4	1-3/4	12-3/4	2	1-1/16	16-7/16	22
14	20-3/16	5-13/16	2-1/2	14-3/4	2	1-1/2	20-7/16	26
16	20-3/16	5-13/16	2-1/2	16-3/4	2	1-1/4	20-7/16	30
18	24-3/16	5-13/16	2-3/4	18-3/4	2	1-1/4	24-7/16	34
20	24-3/16	5-13/16	2-3/4	20-3/4	2	1-1/2	24-7/16	40
24	30-3/16	6-1/16	3-3/4	25	2-7/8	1-5/16	30-7/16	48

All dimensions in inches. Weight in pounds. *See pages 21-22 for accessory wall opening.



Description - Fan shall be a wall mounted, direct driven, aluminum propeller exhaust fan with integral housing, shutter, and inlet guard.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor shall be mounted on a 12 gauge steel wire guard. The wire guard shall be bolted to a minimum 14 gauge wall panel with continuously welded corners and an integral venturi. Fan shall be enclosed in minimum 18 gauge galvanized steel wall housing with factory installed shutter and inlet guard. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall have aluminum blades riveted to a painted steel hub. The hub shall be securely fastened to the motor shaft utilizing two setscrews. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be 115/1/60, open drip-proof type.

Product - Fan shall be type SPD as manufactured by Loren Cook Company of Springfield, Missouri.

Packaged Wall Fan Aluminum Propeller Direct Drive



Model SPD and SPD-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



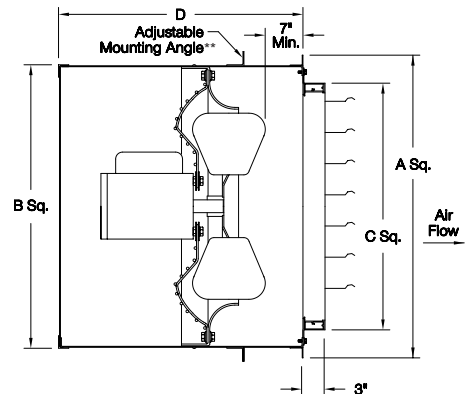
Model SPD and SPD-S are furnished standard with cUL listing (Power Ventilator) when furnished with factory supplied motor.

SPD Dimension Data

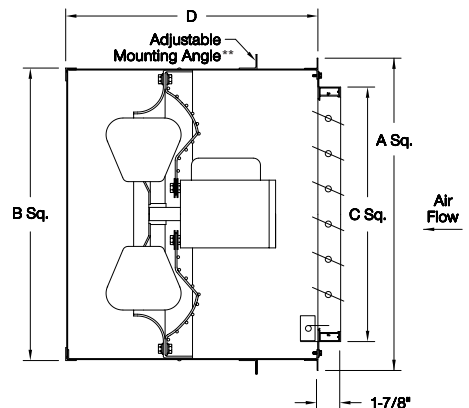
SIZE	A	B*	C	D*	WALL OPENING	WALL HOUSING GAUGE	SHIPPING WEIGHT
8	15-1/2	13	10	13-3/4	13-1/4	18 GA.	53
10	19-1/2	17	14	17-3/4	17-1/4	18 GA.	65
12	19-1/2	17	14	17-3/4	17-1/4	18 GA.	76
14	23-1/2	21	18	22-1/4	21-1/4	18 GA.	82
16	23-1/2	21	18	22-1/4	21-1/4	18 GA.	95
18	27-1/2	25	22	23-1/4	25-1/4	18 GA.	113
20	27-1/2	25	22	23-1/4	25-1/4	18 GA.	132
24	33-1/2	31	27-1/2	23-1/4	31-1/4	18 GA.	142

All dimensions in inches. Weight in pounds. * B and D dimensions are to the outside of fasteners on wall housing.
**Shipped loose for field mounting.

EXHAUST - SPD



SUPPLY - SPD-S



XLW/XMW Specifications and Dimension Data

Wall Fan Low and Medium Pressure Steel Propeller Belt Drive



Loren Cook Company certifies that the XLW and XMW shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Models XLW, XMW, XLW-S and XMW-S are furnished standard with UL 705 and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a wall mounted, belt driven, steel propeller exhaust or supply fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - The fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge wall panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be a high-efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge hub. The hub shall be keyed and locked to the fan shaft utilizing two setscrews. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

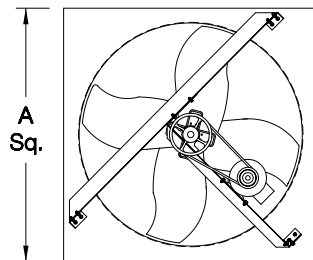
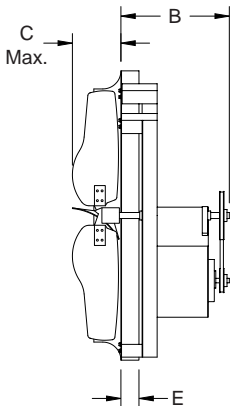
Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillowblock housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

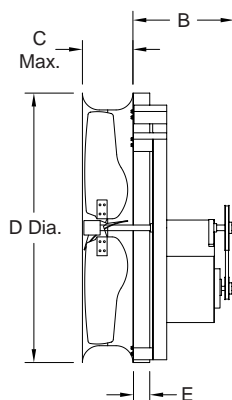
Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be the X.STREAM series as manufactured by Loren Cook Company of Springfield, Missouri.

EXHAUST - XLW/XMW



SUPPLY - XLW-S/XMW-S



XLW/XMW Dimension Data

SIZE	A	B	C	D	E	WALL OPENING*	SHIPPING WEIGHT	
							XLW / XMW	XLW-S / XMW-S
20	24-3/16	14-5/16	5-1/4	24	2	24-7/16	118	121
24	30-3/16	14-5/16	6-3/4	30	3	30-7/16	125	128
30	36-3/16	14-5/16	6-3/4	36	3	36-7/16	148	152
36	42-3/16	14-5/16	7-3/8	42	3	42-7/16	179	184
42	48-3/16	18-1/16	7-9/16	48	3	48-7/16	240	245
48	54-3/16	18-1/16	7-7/8	54	3	54-7/16	275	282
54	60-3/16	18-1/16	7-3/4	60	3	60-7/16	329	337
60	66-3/16	18-1/16	7-7/8	66	3	66-7/16	365	375

All dimensions in inches. Weight in pounds, less motor. *See pages 21-22 for accessory wall opening.

Description - Fan shall be a wall mounted, belt driven, steel propeller exhaust or supply fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - The fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be bolted to a minimum 14 gauge wall panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be a high-efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge hub. The hub shall be keyed and locked to the fan shaft utilizing two setscrews. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillowblock housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be the X.STREAM series as manufactured by Loren Cook Company of Springfield, Missouri.

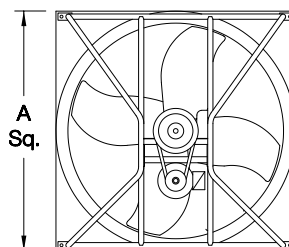
Wall Fan Heavy Duty Low and Medium Pressure Steel Propeller Belt Drive



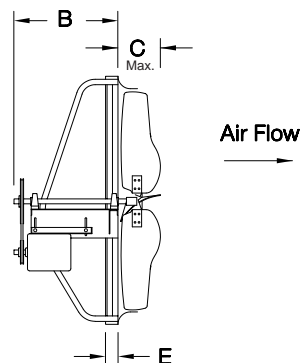
Loren Cook Company certifies that the XLWH and XMWH shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



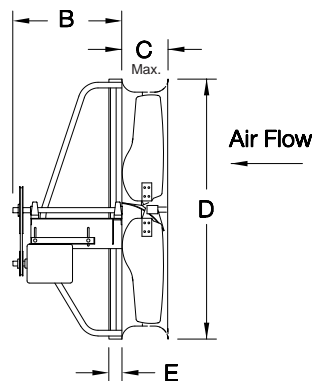
Models XLWH, XMWH, XLWH-S and XMWH-S are furnished standard with UL 705 and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.



EXHAUST - XLWH / XMWH



SUPPLY - XLWH-S / XMWH-S



XLWH / XMWH Dimension Data

SIZE	A	B	C	D	E	WALL OPENING*	SHIPPING WEIGHT	
							XLWH / XMWH	XLWH-S / XMWH-S
20	24-3/16	19-1/16	5-1/4	24	2	24-7/16	133	136
24	30-3/16	19-1/16	6-3/4	30	3	30-7/16	143	146
30	36-3/16	19-1/16	6-3/4	36	3	36-7/16	168	171
36	42-3/16	19-1/16	7-3/8	42	3	42-7/16	203	208
42	48-3/16	20-11/16	7-9/16	48	3	48-7/16	267	272
48	54-3/16	26-5/16	7-7/8	54	3	54-7/16	338	344
54	60-3/16	26-5/16	7-3/4	60	3	60-7/16	412	419
60	66-3/16	26-5/16	7-7/8	66	3	66-7/16	454	462

All dimensions in inches. Weight in pounds, less motor. *See pages 21-22 for accessory wall opening.

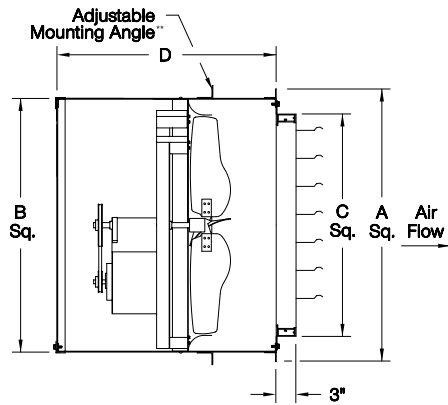
XLP/XLPH/XMP/XMPH Specifications and Dimension Data

Packaged Wall Fan Low and Medium Pressure Steel Propeller Belt Drive

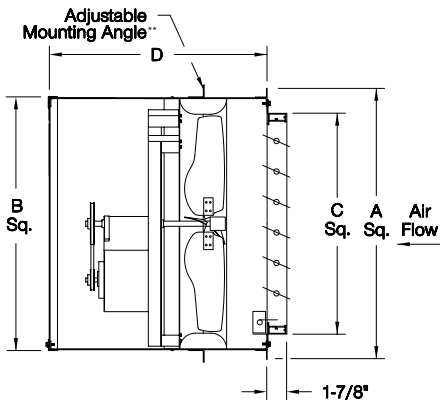


Models XLP, XLPH, XMP, XMPH, XLP-S, XLPH-S, XMP-S and XMPH-S are furnished standard with UL 705 and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

EXHAUST - XLP/XLPH/XMP/XMPH



SUPPLY - XLP-S/XLPH-S/ XMP-S/XMPH-S



Description - Fan shall be a wall mounted, belt driven, steel propeller exhaust or supply fan with integral housing, shutter and inlet guard.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

Construction - The fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge wall panel with continuously welded corners and an integral venturi. Fan shall be enclosed in minimum 18 gauge galvanized steel wall housing with factory installed shutter and inlet guard. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be a high-efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge hub. The hub shall be keyed and locked to the fan shaft utilizing two setscrews. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Exhaust Shutter - Shutter shall be heavy duty galvanized steel construction. Material thickness shall be minimum 20 gauge for frame and 28 gauge for blades. Blades shall have mechanically fastened vinyl edge seals.

Supply Shutter - Shutter shall be heavy duty galvanized steel construction, utilizing center pivot blades and motorized actuator. Material thickness shall be minimum 16 gauge for frame and 20 gauge for blades.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillow-block housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be the X.STREAM series as manufactured by Loren Cook Company of Springfield, Missouri.

XLP/XLPH/XMP/XMPH Dimension Data

SIZE	A	B*	C	D*	WALL OPENING	WALL HOUSING GAUGE	SHIPPING WEIGHT			
							XLP / XMP	XLP-S / XMP-S	XLPH / XMPH	XLPH-S / XMPH-S
20	27-1/2	25	22	34-3/8	25-1/4	18 GA.	180	183	195	198
24	33-1/2	31	27-1/2	34-3/8	31-1/4	18 GA.	222	226	241	244
30	39-1/2	37	33-1/2	38	37-1/4	18 GA.	276	280	295	299
36	45-1/2	43	39-1/2	39-1/2	43-1/4	18 GA.	337	348	362	367
42	51-1/2	49-1/16	45-1/2	41	49-1/4	16 GA.	455	460	482	487
48	57-1/2	55-1/16	51-1/2	51	55-1/4	16 GA.	533	540	596	603
54	63-1/2	61-1/8	57-1/2	48	61-1/2	14 GA.	638	646	721	728
60	69-1/2	67-1/8	63-1/2	48	67-1/2	14 GA.	705	716	795	803

All dimensions in inches. Weight in pounds, less motor. *B and D dimension is to outside of fasteners on wall housing.
**Shipped loose for field mounting. Intake air velocities should be limited to 500 FPM to avoid ingress of airborne water.

Description - Fan shall be a wall mounted, direct driven, aluminum propeller exhaust fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor shall be mounted on a 14 gauge steel mounting plate and power assembly. The power assembly shall be bolted to a minimum 14 gauge steel wall panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

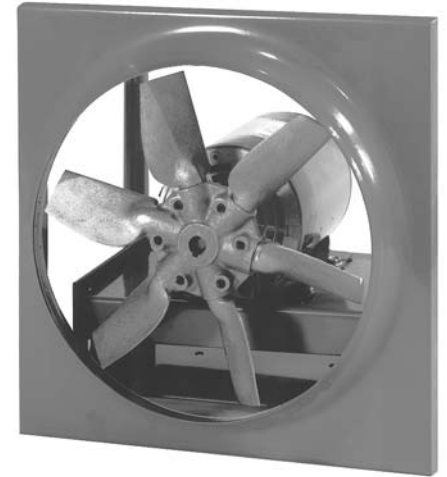
Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hours salt spray under ASTM B117 test method.

Propeller - Propeller shall be cast aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Product - Fan shall be type AWD as manufactured by Loren Cook Company of Springfield, Missouri.

Wall Fan Cast Aluminum Propeller Direct Drive

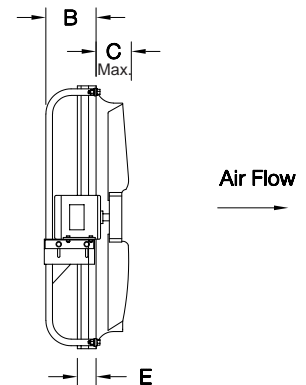


Loren Cook Company certifies that the AWD shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

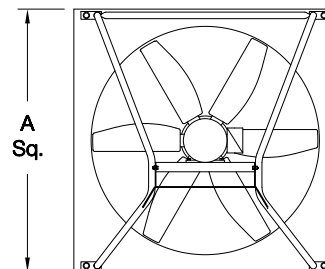
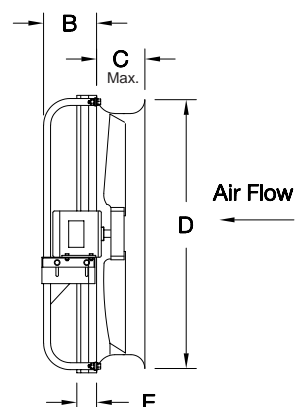


Model AWD and AWD-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

EXHAUST - AWD



SUPPLY - AWD-S



AWD Dimension Data

SIZE	A	B	C	D	E	WALL OPENING*	SHIPPING WEIGHT	
							AWD	AWD-S
12	16-3/16	15-3/8	3-1/4	15-7/8	2	16-7/16	69	72
16	20-3/16	14-1/8	4-1/2	19-7/8	2	20-7/16	90	93
20	24-3/16	14-1/8	5-1/4	24	2	24-7/16	109	112
24	30-3/16	14-5/8	6-3/4	30	3	30-7/16	146	149
30	36-3/16	14-5/8	6-3/4	36	3	36-7/16	204	208
36	42-3/16	22	7-3/8	42	3	42-7/16	307	312
42	48-3/16	24	7-5/8	48	3	48-7/16	428	433
48	54-3/16	24	7-7/8	54	3	54-7/16	466	473

All dimensions in inches. Weight in pounds. *See pages 21-22 for accessory wall opening.

Wall Fan
Cast Aluminum Propeller
Belt Drive



Loren Cook Company certifies that the AWB shown herein is 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.



Model AWB is furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a wall mounted, belt driven, cast aluminum propeller exhaust fan.
Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge steel wall panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hours salt spray under ASTM B117 test method.

Propeller - Propeller shall be cast aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and a roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

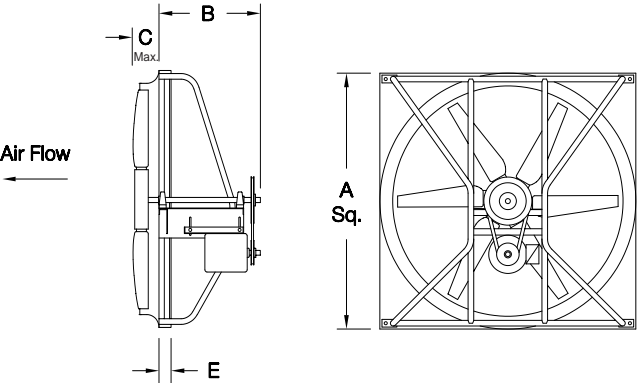
Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillow block housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

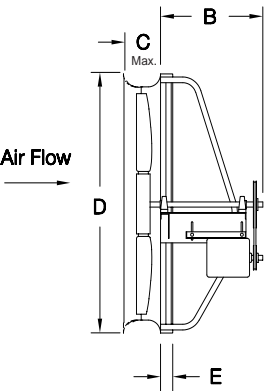
Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be type AWB as manufactured by Loren Cook Company of Springfield, Missouri.

EXHAUST - AWB



SUPPLY - AWB-S



AWB Dimension Data

SIZE	A	B	C	D	E	WALL OPENING*	SHIPPING WEIGHT	
							AWB	AWB-S
24	30-3/16	19-1/16	6-3/4	30	3	30-7/16	140	143
30	36-3/16	19-1/16	6-3/4	36	3	36-7/16	175	179
36	42-3/16	19-1/16	7-3/8	42	3	42-7/16	210	215
42	48-3/16	20-11/16	7-9/16	48	3	48-7/16	270	275
48	54-3/16	26-5/16	7-7/8	54	3	54-7/16	340	347

All dimensions in inches. Weight in pounds. *See pages 21-22 for accessory wall opening.

Description - Fan shall be a wall mounted, direct drive cast aluminum airfoil, propeller fan with integral housing, shutter and inlet guard.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor shall be mounted on a minimum 14 gauge steel mounting plate and power assembly. The power assembly shall be bolted to a minimum 14 gauge wall panel with continuously welded corners and an integral venturi. Fan shall be enclosed in a minimum 18 gauge galvanized steel wall housing with factory installed shutter and inlet guard. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be cast aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Product - Fan shall be type APD as manufactured by Loren Cook Company of Springfield, Missouri.

Packaged Wall Fan Cast Aluminum Propeller Direct Drive



Loren Cook Company certifies that the APD shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



Models APD and APD-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

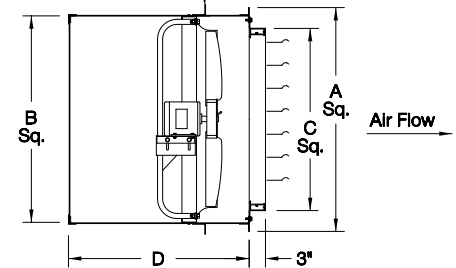
APD Dimension Data

SIZE	A	B*	C	D*	WALL OPENING	WALL HOUSING GAUGE	SHIPPING WEIGHT	
							APD	APD-S
12	19-1/2	17	14	17-3/4	17-1/4	18 GA.	88	92
16	23-1/2	21	18	22-1/8	21-1/4	18 GA.	110	113
20	27-1/2	25	22	23-1/8	25-1/4	18 GA.	156	159
24	33-1/2	31	27-1/2	23-1/8	31-1/4	18 GA.	220	223
30	39-1/2	37	33-1/2	24-1/2	37-1/4	18 GA.	273	277
36	45-1/2	43	39-1/2	28-1/2	43-1/4	18 GA.	393	398

All dimensions in inches. Weight in pounds. * B and D dimensions are to the outside of fasteners on wall housing. **Shipped loose for field mounting. Intake air velocities should be limited to 500 FPM to avoid ingress of airborne water.

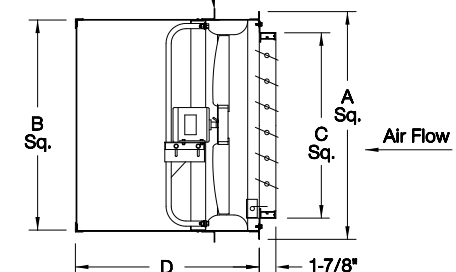
EXHAUST - APD

Adjustable Mounting Angle



SUPPLY - APD-S

Adjustable Mounting Angle



Packaged Wall Fan Cast Aluminum Propeller Belt Drive



Loren Cook Company certifies that the APB shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



Model APB and APB-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a wall mounted, belt drive cast aluminum airfoil, propeller fan with integral housing, shutter and inlet guard.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge wall panel with continuously welded corners and an integral venturi. Fan shall be enclosed in a minimum 18 gauge galvanized steel wall housing with factory installed shutter and inlet guard. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be cast aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillow block housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be type APB as manufactured by Loren Cook Company of Springfield, Missouri.

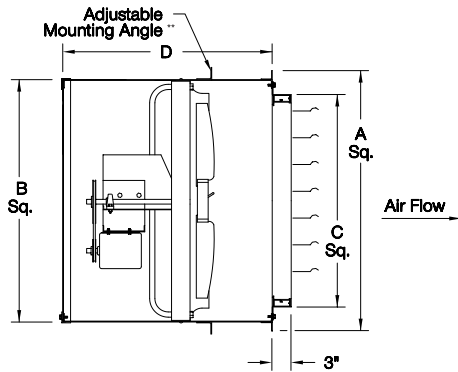
APB Dimension Data

SIZE	A	B*	C	D*	WALL OPENING	WALL HOUSING GAUGE	SHIPPING WEIGHT	
							APB	APB-S
24	33-1/2	31	27-1/2	34-3/8	31-1/4	18 GA.	220	223
30	39-1/2	37	33-1/2	38	37-1/4	18 GA.	275	279
36	45-1/2	43	39-1/2	39-1/2	43-1/4	18 GA.	345	350
42	51-1/2	49-1/16	45-1/2	40-7/8	49-5/16	16 GA.	440	445
48	57-1/2	55-1/16	51-1/2	50-7/8	55-5/16	16 GA.	550	557

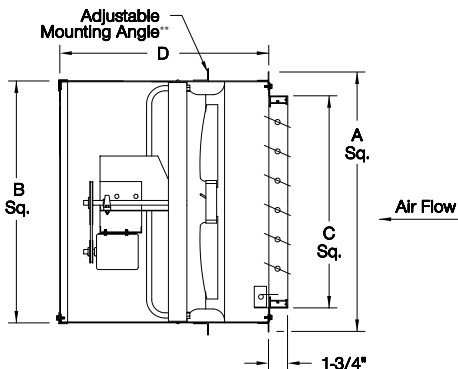
All dimensions in inches. Weight in pounds. * B and D dimensions are to the outside of fasteners on wall housing.

**Shipped loose for field mounting. Intake air velocities should be limited to 500 FPM to avoid ingress of airborne water.

EXHAUST - APB



SUPPLY - APB-S



Description - Fan shall be a wall mounted, direct drive, extruded aluminum propeller exhaust fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor shall be mounted on a 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge steel wall panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

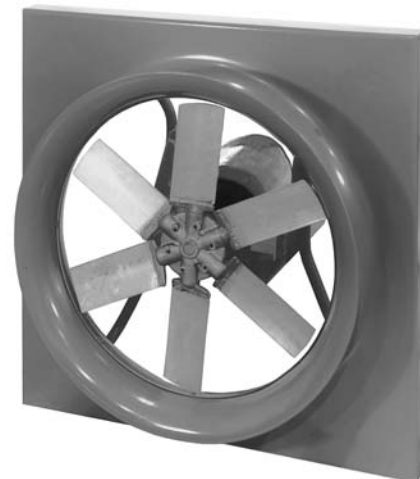
Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

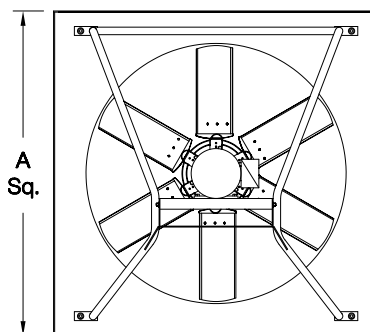
Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Product - Fan shall be type EWD as manufactured by Loren Cook Company of Springfield, Missouri.

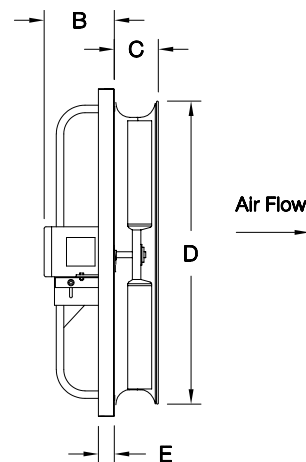
Wall Fan Extruded Aluminum Propeller Direct Drive



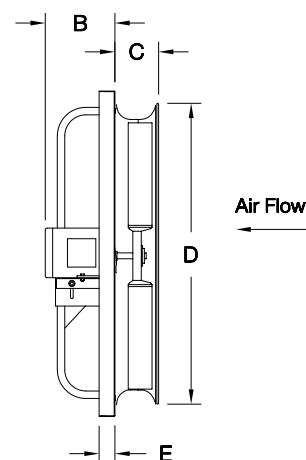
Model EWD and EWD-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.



EXHAUST - EWD



SUPPLY - EWD-S

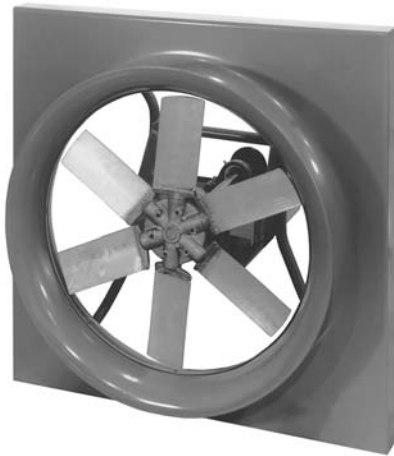


EWD Dimension Data

SIZE	A	B	C	D	E	WALL OPENING*	SHIPPING WEIGHT
24	36-3/16	14-5/8	7	30	3	36-7/16	192
30	42-3/16	14-5/8	6-13/16	36	3	42-7/16	219
36	48-3/16	22	7-1/4	42	3	48-7/16	274
42	54-3/16	24	7-5/8	48	3	54-7/16	357
48	60-3/16	24	7-3/4	54	3	60-7/16	411
54	66-3/16	27-3/4	7-11/16	60	3	66-7/16	465

All dimensions in inches. Weight in pounds. *See pages 21-22 for accessory wall opening.

Wall Fan Extruded Aluminum Propeller Belt Drive



Loren Cook Company certifies that the EWB shown herein is 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.



Model EWB and EWB-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a wall mounted, belt drive, extruded aluminum airfoil, propeller exhaust fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge steel wall panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All ungalvanized steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

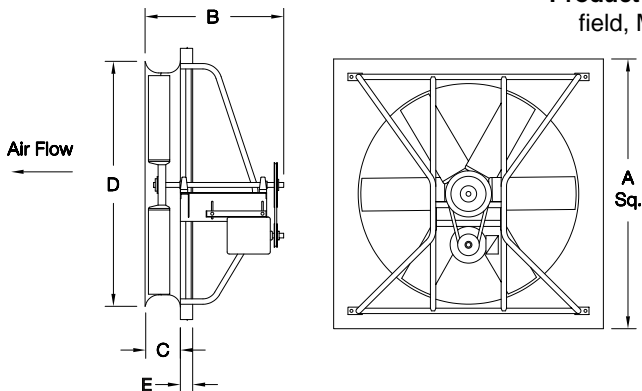
Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillowblock housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

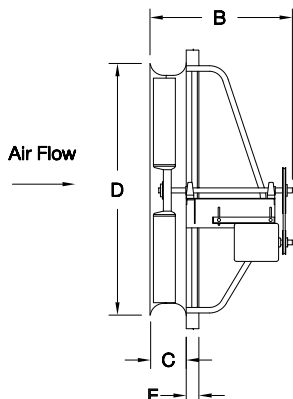
Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be type EWB as manufactured by Loren Cook Company of Springfield, Missouri.

EXHAUST - EWB



SUPPLY - EWB-S



EWB Dimension Data

SIZE	A	B	C	D	E	WALL OPENING*	SHIPPING WEIGHT
24	36-3/16	19-1/16	7	30	3	36-7/16	150
30	42-3/16	19-1/16	6-3/4	36	3	42-7/16	185
36	48-3/16	19-1/16	7-1/4	42	3	48-7/16	220
42	54-3/16	20-11/16	7-3/4	48	3	54-7/16	285
48	60-3/16	26-5/16	7-3/4	54	3	60-7/16	355
54	66-3/16	26-5/16	7-3/4	60	3	66-7/16	420
60	72-3/16	26-5/16	7-3/4	66	3	72-7/16	510
72	84-3/16	26-5/16	9-1/4	78-1/4	3	84-7/16	590

All dimensions in inches. Weight in pounds, less motor. *See pages 21-22 for accessory wall opening.

Description - Fan shall be a wall mounted, direct drive, extruded aluminum air-foil propeller fan with integral housing, shutter and inlet guard.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge steel wall panel with continuously welded corners and an integral venturi. Fan shall be enclosed in a minimum 18 gauge galvanized steel wall housing with factory installed shutter and inlet guard. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Product - Fan shall be type EPD as manufactured by Loren Cook Company of Springfield, Missouri.

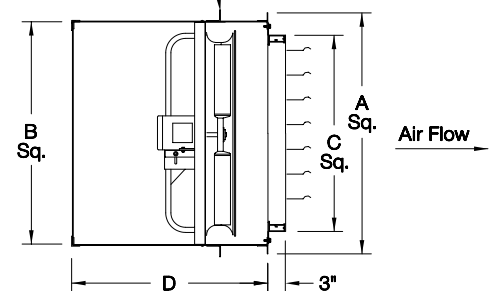
Packaged Wall Fan Extruded Aluminum Propeller Direct Drive



Model EPD and EPD-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

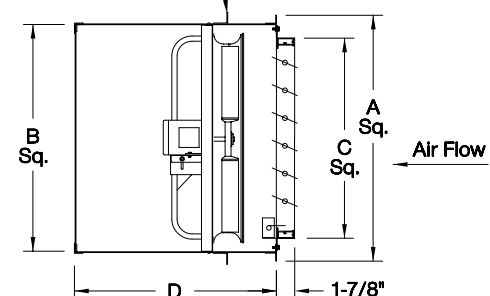
EXHAUST - EPD

Adjustable Mounting Angle**



SUPPLY - EPD-S

Adjustable Mounting Angle**



EPD Dimension Data

SIZE	A	B*	C	D*	WALL OPENING	WALL HOUSING GAUGE	SHIPPING WEIGHT
24	39-1/2	37	33-1/2	24-1/2	37-1/4	18 GA.	282
30	45-1/2	43	39-1/2	28-1/2	43-1/4	18 GA.	346
36	51-1/2	49-1/16	45-1/2	34	49-1/4	18 GA.	457
42	57-1/2	55-1/16	51-1/2	40	55-1/4	18 GA.	598
48	63-1/2	61-1/8	57-1/2	40-1/2	61-3/8	18 GA.	699
54	69-1/2	67-1/8	63-1/2	45	67-3/8	18 GA.	810

All dimensions in inches. Weight in pounds. *B & D dimensions are to outside of fasteners on wall housing. **Shipped loose for field mounting. Intake air velocities should be limited to 500 FPM to avoid ingress of airborne water.

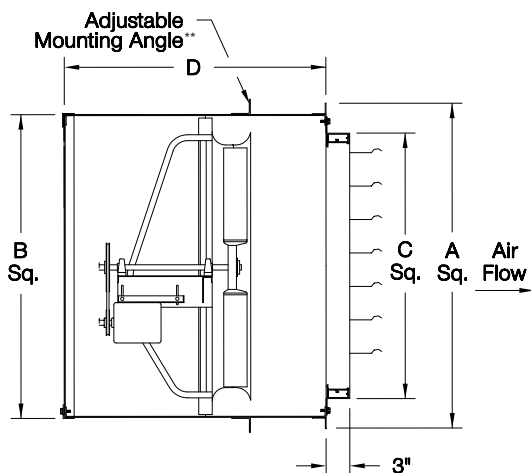
EPB Specifications and Dimension Data

Packaged Wall Fan Extruded Aluminum Propeller Belt Drive

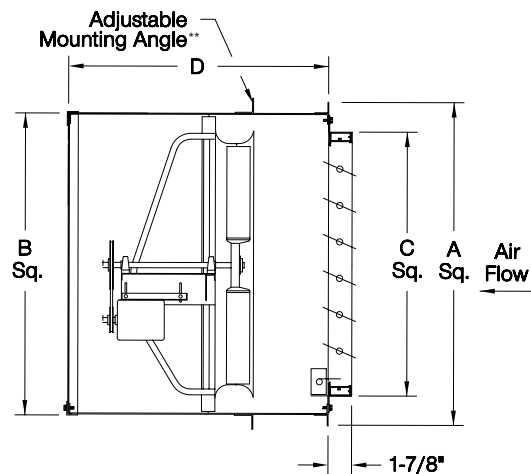


Model EPB and EPB-S are furnished standard with UL 705 listing (Power Ventilator/ZACT) and cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

EXHAUST - EPB



SUPPLY - EPB-S



Description - Fan shall be a wall mounted, belt driven, extruded aluminum, propeller exhaust or supply fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a 14 gauge steel power assembly. The power assembly shall be bolted to a minimum 14 gauge steel wall panel with continuously welded corners and an integral venturi. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All ungalvanized steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings, and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillowblock housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

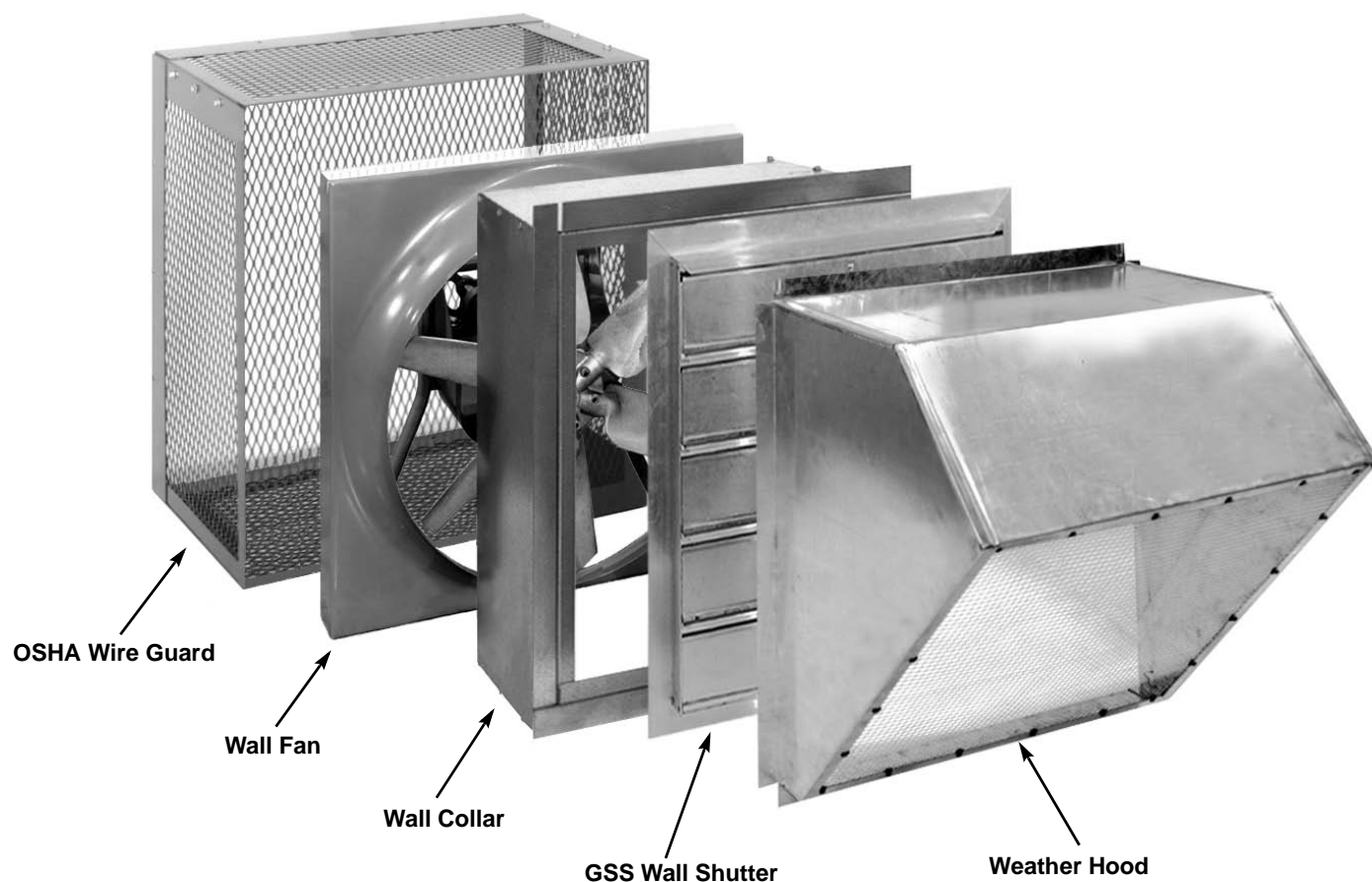
Product - Fan shall be type EPB as manufactured by Loren Cook Company of Springfield, Missouri.

EPB Dimension Data

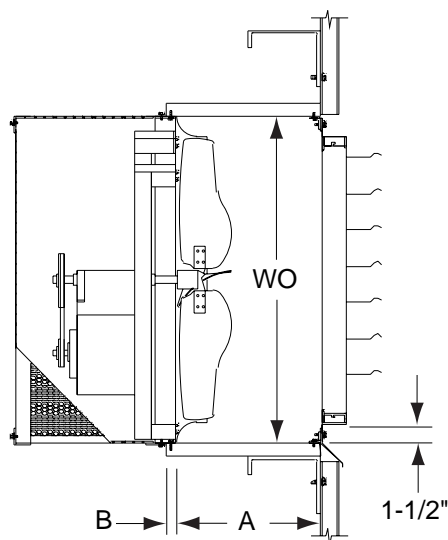
SIZE	A	B*	C	D*	WALL OPENING	WALL HOUSING GAUGE	SHIPPING WEIGHT
24	39-1/2	37	33-1/2	38	37-1/4	18 GA.	297
30	45-1/2	43	39-1/2	39-1/2	43-1/4	18 GA.	367
36	51-1/2	49-1/16	45-1/2	41	49-1/4	16 GA.	453
42	57-1/2	55-1/16	51-1/2	51	55-1/4	16 GA.	564
48	63-1/2	61-1/8	57-1/2	48	61-3/8	14 GA.	698
54	69-1/2	67-1/8	63-1/2	48	67-3/8	14 GA.	782
60	75-1/2	73-1/8	69-1/2	48	73-3/8	14 GA.	880
72	87-1/2	85-1/8	81-1/2	51	85-3/8	14 GA.	1090

All dimensions in inches. Weight in pounds. *B & D dimensions are to outside of fasteners on wall housing. **Shipped loose for field mounting. Intake air velocities should be limited to 500 FPM to avoid ingress of airborne water.

Typical Wall Fan Components



Exhaust wall fan with OSHA wire guard and shutter



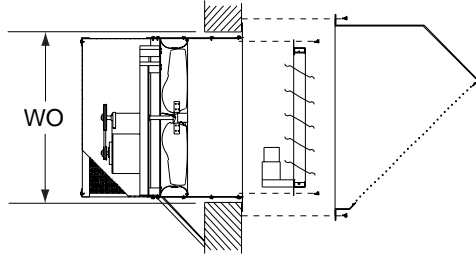
Illustrated is the typical installation of an exhaust wall fan with OSHA wire guard and shutter in a steel structure with corrugated siding. An installer provides a sleeve of suitable material to support the fan at a correct distance from the shutter. The minimum distance is the A dimension.

Size				A	B	WO (Wall Opening)	
SWD	XLW(H) XMW(H)	AWD AWB	EWD EWB			Std. Fan	Wire Gd.
8	-	-	-	11	1	12-7/16	13-1/4
10-12	-	12	-	12	1	16-7/16	17-1/4
14-16	-	16	-	12	1	20-7/16	21-1/4
18-20	-	20	-	13	1	24-7/16	25-1/4
24	-	-	-	16	1-1/2	30-7/16	31-5/16
-	20	-	-	15	1	24-7/16	25-1/4
-	24	24	-	16	1-1/2	30-7/16	31-5/16
-	30	30	24	16	1-1/2	36-7/16	37-5/16
-	36	36	30	17	1-1/2	42-7/16	43-5/16
-	42	42	36	17	1-1/2	48-7/16	49-3/8
-	48	48	42	17	1-1/2	54-7/16	55-3/8
-	54	-	48	17	1-1/2	60-7/16	61-7/16
-	60	-	54	17	1-1/2	66-7/16	67-7/16
-	-	-	60	17	1-1/2	72-7/16	73-7/16
-	-	-	72	17	1-1/2	84-7/16	85-7/16

All dimensions in inches.

Typical Installations

Supply wall fan with wall collar, OSHA wire guard, motorized supply shutter and weather hood

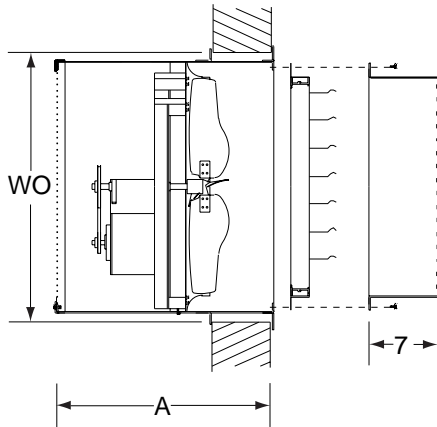


Illustrated is the typical installation of a supply wall fan in a masonry wall with a wall collar, OSHA wire guard, motorized supply shutter and weather hood. An installer provides suitable fasteners to support the fan. Fasteners should be placed on 6 inch to 10 inch centers on the perimeter of the wall collar. Wall collar should be caulked to the exterior of the wall. The weather hood should be securely fastened and sealed to the wall. Fans with motors in excess of 80 lbs. should be additionally supported by hanging rods or supports placed underneath the fan. Intake velocities greater than 500 FPM may carry airborne mist into the space.

Size				WO (Wall Opening)
SWD	XLW(H) XMW(H)	AWD AWB	EWD EWB	
8	-	-	-	13-1/4
10-12	-	12	-	17-1/4
14-16	-	16	-	21-1/4
18-20	-	20	-	25-1/4
24	-	-	-	31-5/16
-	20	-	-	25-1/4
-	24	24	-	31-5/16
-	30	30	24	37-5/16
-	36	36	30	43-5/16
-	42	42	36	49-3/8
-	48	48	42	55-3/8
-	54	-	48	61-7/16
-	60	-	54	67-7/16
-	-	-	60	73-7/16
-	-	-	72	85-7/16

All dimensions in inches. Shutters are designed to reduce back drafts; prevent entry of some foreign material and pests, such as birds; and limit the amount of rain that enters the building. These shutters are intended to be weather-resistant, but are not weather-proof for extreme conditions.

Exhaust Pac-Fan with shutter guard



Illustrated is the typical installation of an exhaust Pac-Fan in a masonry wall with a shutter guard. An installer provides suitable fasteners (Hex bolts or Lag screws) to support the fan. It is recommended that 5/16 inch minimum bolts on 6 inch to 10 inch centers be used on the perimeter of the housing. The mounting flange should be caulked to the exterior of the wall. Fans with motors in excess of 80 lbs. should be additionally supported by hanging rods or supports placed underneath the fan.

Size				A		WO (Wall Opening)
SPD	XLPH) XMP(H)	APD APB	EPD EPB	Direct	Belt	
8	-	-	-	13-5/8	-	13-1/4
10-12	-	12	-	17-5/8	-	17-1/4
14-16	-	16	-	20	-	21-1/4
18-20	-	20	-	22	-	25-1/4
24	-	-	-	24-3/8	-	31-5/16
-	20	-	-	-	32-1/2	25-1/4
-	24	24	-	24-3/8	34-1/4	31-5/16
-	30	30	24	28-3/8	38	37-5/16
-	36	36	30	33-5/8	39-1/2	43-5/16
-	42	42	36	39-5/8	40-3/4	49-3/8
-	48	48	42	40-1/8	50-3/4	55-3/8
-	54	-	48	44-3/4	61-1/2	61-7/16
-	60	-	54	-	67-1/2	67-7/16
-	-	-	60	-	73-1/2	73-7/16
-	-	-	72	-	85-1/2	85-7/16

All dimensions in inches.

Disconnect Switches

NEMA 1 - Indoor general purpose.

NEMA 1 (Lockable) - Indoor general purpose with locking capability.

NEMA 3R - Exterior mount, rain-tight.

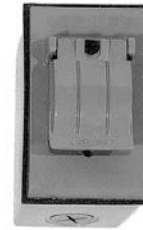
NEMA 4 - Water-tight and dust-tight.



NEMA 1



**NEMA 1
(Lockable)**

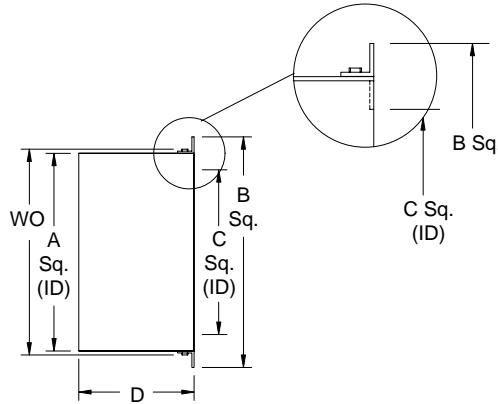


NEMA 3R



NEMA 4

Wall Collar



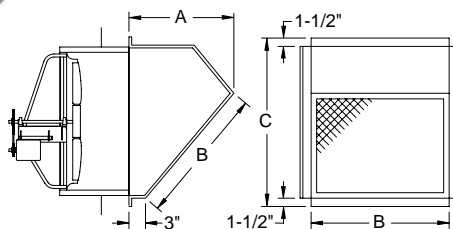
Size				A	B	C	D	Wall Opening	Galv. Steel Gauge	Optional Alum. Thickness
S-Series	X-Stream Series	A-Series	E-Series							
8	-	-	-	12-3/16	15-1/2	10-3/8	12	13-1/4	18	.080
10-12	-	12	-	16-3/16	19-1/2	14-3/8	14-5/16	17-1/4	18	.080
14-16	-	16	-	20-3/16	23-1/2	18-3/8	15-5/16	21-1/4	18	.080
18-20	-	20	-	24-1/4	27-1/2	22-3/8	17-1/2	25-1/4	18	.080
24	-	-	-	30-1/4	33-9/16	28-7/16	18-11/16	31-5/16	18	.080
-	20	-	-	20-1/4	27-1/2	22-3/8	17-1/2	25-1/4	18	.080
-	24	24	-	30-1/4	33-9/16	28-7/16	18-11/16	31-5/16	18	.080
-	30	30	24	36-1/4	39-9/16	34-7/16	18-11/16	37-5/16	18	.080
-	36	36	30	42-1/4	45-9/16	40-1/2	19-7/16	43-5/16	18	.080
-	42	42	36	48-1/4	51-5/8	46-1/2	19-7/16	49-3/8	16	.080
-	48	48	42	54-1/4	57-5/8	52-1/2	19-11/16	55-3/8	16	.100
-	54	-	48	60-1/4	63-11/16	58-9/16	19-11/16	61-7/16	14	.100
-	60	-	54	66-1/4	69-11/16	64-9/16	19-11/16	67-7/16	14	.100
-	-	-	60	72-1/4	75-11/16	70-9/16	19-11/16	73-7/16	14	.100
-	-	-	72	84-1/4	87-11/16	82-9/16	19-11/16	85-7/16	14	.100

All dimensions in inches. Fasteners should be placed on 6" to 10" centers on the perimeter of the wall collar. Wall collar should be caulked to the exterior of the wall.

Weather Hood (Assembled or knockdown)



The weather hood is sized to mount to the wall. An extended mounting flange is available to attach weather hood to a wall collar or wall housing.

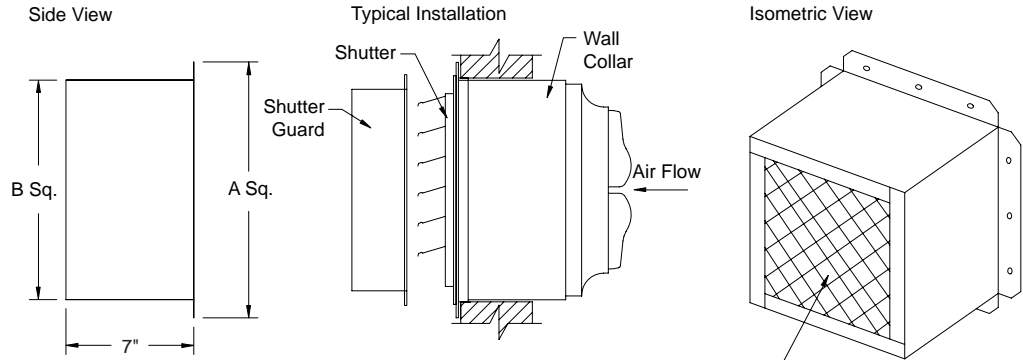
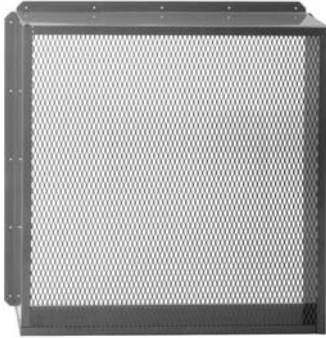


Size				A	B	C	Hood Free Area
S-Series	X-Stream Series	A-Series	E-Series				
8	-	-	-	15-13/16	18	21	1.40
10-12	-	12	-	18-11/16	22	25	2.80
14-16	-	16	-	21-11/16	26	29	4.00
18-20	-	20	-	24-3/8	30	33	5.40
24	-	-	-	27-1/8	34	37	7.10
-	20	-	-	24-3/8	30	33	5.40
-	24	24	-	27-1/8	34	37	7.10
-	30	30	24	31-7/16	40	43	10.00
-	36	36	30	35-11/16	46	49	13.40
-	42	42	36	39-15/16	52	55	17.40
-	48	48	42	44-3/16	58	61	21.80
-	54	-	48	48-7/16	64	67	26.70
-	60	-	54	52-5/8	70	73	32.10
-	-	-	60	56-13/16	76	79	38.00
-	-	-	72	65-7/16	88	91	51.30

All dimensions in inches. All sizes are available in a knockdown version for lower freight costs.

Accessories

Shutter Guard

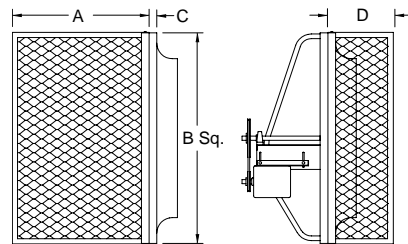


Available with expanded metal, birdwire or insect screen. Expanded metal is constructed of steel with Lorenized™ finish. Birdwire and insect screen is constructed of aluminum.

Size				A	B	Galv. Steel Gauge	Alum. Thick.
S-Series	X-Stream Series	A-Series	E-Series				
8	-	-	-	13-5/16	10-3/4	18	.080
10-12	-	12	-	17-5/16	14-3/4	18	.080
14-16	-	16	-	21-5/16	18-3/4	18	.080
18-20	-	20	-	25-5/16	22-3/4	18	.080
24	-	-	-	30-1/8	28	18	.080
-	20	-	-	25-5/16	22-3/4	18	.080
-	24	24	-	30-1/8	28	18	.080
-	30	30	24	36-1/8	34	18	.080
-	36	36	30	42-1/8	40	18	.080
-	42	42	36	48-1/8	46	18	.080
-	48	48	42	54-1/8	52	18	.080
-	54	-	48	60-1/8	58	18	.080
-	60	-	54	66-1/8	64	16	.100
-	-	-	60	72-1/8	70	14	.100
-	-	-	72	84-1/8	82	14	.100

All dimensions in inches.

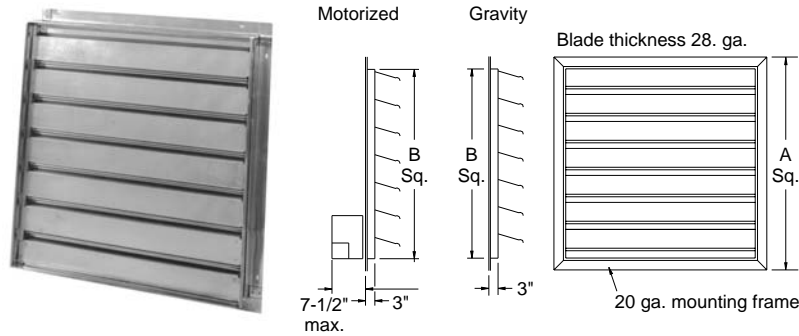
Wire Guard



Size				A	B	C	D	Wall Opening
S-Series	X-Stream Series	A-Series	E-Series					
8*	-	-	-	12-9/16	13-1/16	1	12-9/16	13-1/4
10-12*	-	12*	-	12-9/16	17	1	12-9/16	17-1/4
14-16*	-	16*	-	12-9/16	21	1	12-9/16	21-1/4
18-20*	-	20*	-	12-9/16	25	1	12-9/16	25-1/4
24*	-	-	-	12-9/16	31	1-1/2	12-9/16	31-5/16
-	20*	-	-	20-9/16	25	1	12-9/16	25-1/4
-	24*	24*	-	20-9/16	31	1-1/2	12-9/16	31-5/16
-	30*	30*	24*	20-9/16	37	1-1/2	12-9/16	37-5/16
-	36*	36*	30*	20-9/16	43	1-1/2	12-9/16	43-5/16
-	42*	42*	36*	25-9/16	49	1-1/2	12-9/16	49-3/8
-	48**	48**	42**	28-7/16	55	1-1/2	13-7/16	55-3/8
-	54**	-	48**	28-7/16	61	1-1/2	13-7/16	61-7/16
-	60**	-	54**	28-7/16	67	1-1/2	13-7/16	67-7/16
-	-	-	60**	28-7/16	73	1-1/2	13-7/16	73-7/16
-	-	-	72**	30-9/16	85	1-1/2	13-7/16	85-7/16

All dimensions in inches. *Dimensioned to speedscrew. **Dimensioned to mullion.

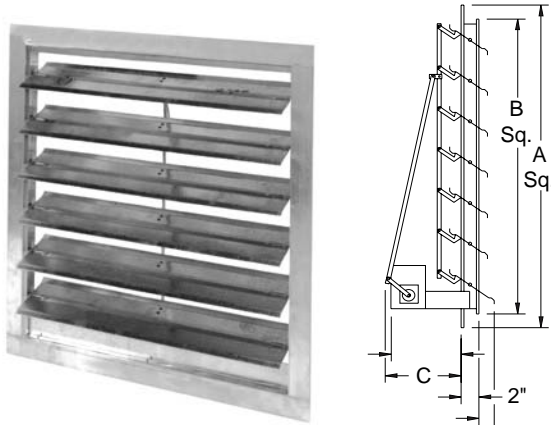
Heavy Duty Galvanized Shutter



Size				Model Number	A	B	No. of Panels	No. of Motor Packs
S-Series	X-Stream Series	A-Series	E-Series					
8	-	-	-	GSG-10	12-1/2	10	1	1
10-12	-	12	-	GSG-14	16-1/2	14	1	1
14-16	-	16	-	GSG-18	20-1/2	18	1	1
18-20	-	20	-	GSG-22	24-1/2	22	1	1
24	-	-	-	GSG-27	30	27-1/2	1	1
-	20	-	-	GSG-22	24-1/2	22	1	1
-	24	24	-	GSG-27	30	27-1/2	1	1
-	30	30	24	GSG-33	36	33-1/2	1	1
-	36	36	30	GSG-39	42	39-1/2	1	1
-	42	42	36	GSG-45	48	45-1/2	2	1
-	48	48	42	GSG-51	54	51-1/2	2	1
-	54	-	48	GSG-57	60	57-1/2	2	1
-	60	-	54	GSG-63	66	63-1/2	2	1
-	-	-	60	GSG-69	72	69-1/2	4	2
-	-	-	72	GSG-81	84	81-1/2	8	4

All dimensions in inches.

Motorized Intake Shutter



Size				Model Number	A	B	C	No. of Panels	No. of Motor Packs
S-Series	X-Stream Series	A-Series	E-Series						
8	-	-	-	MIC-10	12-3/8	9-3/8	7-7/8	1	1
10-12	-	12	-	MIC-14	16-3/8	13-3/8	7-7/8	1	1
14-16	-	16	-	MIC-18	20-3/8	17-3/8	7-7/8	1	1
18-20	-	20	-	MIC-22	24-3/8	21-3/8	7-7/8	1	1
24	-	-	-	MIC-27	29-3/8	26-3/8	7-7/8	1	1
-	20	-	-	MIC-22	24-3/8	21-3/8	7-7/8	1	1
-	24	24	-	MIC-27	29-3/8	26-3/8	7-7/8	1	1
-	30	30	24	MIC-33	35-3/8	32-3/8	7-7/8	1	1
-	36	36	30	MIC-39	41-3/8	38-3/8	7-7/8	2	1
-	42	42	36	MIC-45	47-3/8	44-3/8	9-1/4	2	1
-	48	48	42	MIC-51	53-3/8	50-3/8	9-1/4	2	1
-	54	-	48	MIC-57	59-3/8	56-3/8	9-1/4	2	1
-	60	-	54	MIC-63	65-3/8	62-3/8	7-7/8	3	3
-	-	-	60	MIC-69	71-3/8	68-3/8	9-1/4	3	3
-	-	-	72	MIC-81	83-3/8	80-3/8	9-1/4	3	3

All dimensions in inches.

Accessories

Standard and Heavy Duty Aluminum Shutter



Heavy Duty

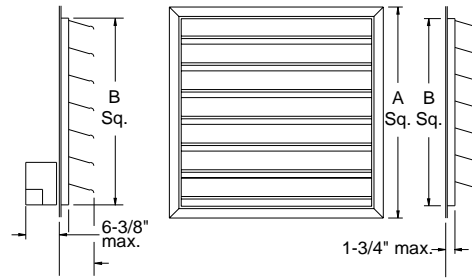


Standard Duty

Motorized

Gravity

.051" Mounting Frame Thickness

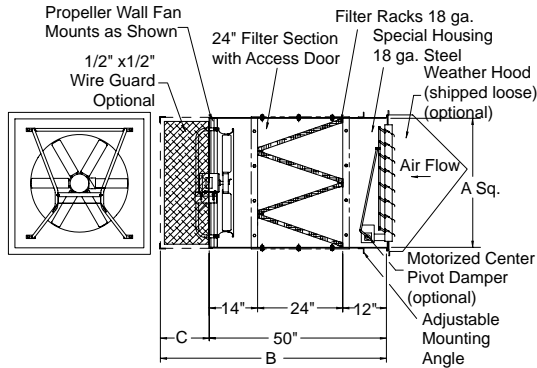


Blade Thickness .020" standard, .050" heavy duty

Size				Model Number		Max. CFM for Std. Duty	A	B	No. of Panels	No. of Motor Packs
S-Series	X-Stream Series	A-Series	E-Series	Std. Duty	Hvy. Duty					
8	-	-	-	GSS-10	-	-	13	10	1	1
10-12	-	12	-	GSS-14	-	-	17	14	1	1
14-16	-	16	-	GSS-18	-	-	21	18	1	1
18-20	-	20	-	GSS-22	-	-	25	22	1	1
24	-	-	-	GSS-27	GSH-27	10125	30	27	1	1
-	20	-	-	GSS-22	-	-	25	22	1	1
-	24	24	-	GSS-27	GSH-27	10125	30	27	1	1
-	30	30	24	GSS-33	GSH-33	15125	36	33	2	1
-	36	36	30	GSS-39	GSH-39	21125	42	39	2	1
-	42	42	36	GSS-45	GSH-45	28125	48	45	2	2
-	48	48	42	-	GSH-51	-	54	51	2	2
-	54	-	48	-	GSH-57	-	60	57	3	3
-	60	-	54	-	GSH-63	-	66	63	3	3
-	-	-	60	-	GSH-69	-	72	69	3	3
-	-	-	72	-	GSH-81	-	84	81	4	4

All dimensions in inches.

Filter Housing



Filter Media Data

Aluminum Media (Standard) - Expanded aluminum, washable filter media installed in a 2 inch frame.

Initial Atmospheric Dust Spot Efficiency - < 20 percent

Average Atmospheric Dust Spot Efficiency - < 20 percent

Average Synthetic Dust Weight Arrestance - 54 percent

Fiberglass Media (Optional) - Laminated fiberglass replaceable media installed in a 2 inch frame.

Initial Atmospheric Dust Spot Efficiency - < 20 percent

Average Atmospheric Dust Spot Efficiency - < 20 percent

Average Synthetic Dust Weight Arrestance - 84 percent

Polyester Media (Optional) - Non-woven polyester replaceable media installed in a 2 inch frame.

Initial Atmospheric Dust Spot Efficiency - < 20 percent

Average Atmospheric Dust Spot Efficiency - < 20 percent

Average Synthetic Dust Weight Arrestance - 93 percent

Size				No. of Filters	Filter Size	Filter Area (SF)	A	B	C
S-Series	X-Stream Series	A-Series	E-Series						
10-12	-	12	-	1	26-3/4 x 16-3/16	2.5	16-15/16	62-9/16	12-9/16
14-16	-	16	-	1	29 x 20-3/16	3.5	20-15/16	62-9/16	12-9/16
18-20	-	20D	-	2	24-3/16 x 24-7/8	7.2	24-15/16	62-9/16	12-9/16
24	-	-	-	4	26-1/4 x 14-7/8	8.9	30-15/16	62-9/16	12-9/16
-	20	20B	-	2	24-3/16 x 24-7/8	7.2	24-15/16	70-9/16	20-9/16
-	24	24	-	4	26-1/4 x 14-7/8	8.9	30-15/16	70-9/16	20-9/16
-	30	30	24	4	27-7/8 x 17-7/8	11.7	36-15/16	70-9/16	20-9/16
-	36	36	30	6	25-3/4 x 20-7/8	19.1	42-15/16	70-9/16	20-9/16
-	42	42	36	6	26-3/4 x 23-7/8	23.0	48-15/16	75-9/16	25-9/16
-	48	48	42	12	25-1/4 x 17-7/8	31.6	54-15/16	78-7/16	28-7/16
-	54	-	48	12	26 x 19-7/8	36.6	61	78-7/16	28-7/16
-	60	-	54	12	26-7/8 x 21-7/8	42.1	67	78-7/16	28-7/16
-	-	-	60	12	27-7/8 x 24	48.4	73	78-7/16	28-7/16
-	-	-	72	20	21 x 27	67.5	85	80-9/16	30-9/16

All dimensions in inches.

Fan Speed Control



5 AMP FSC

10 AMP FSC

Cook's FSC is a variable speed controller which allows operation of SWD/SPD units from 100 percent of capacity down to approximately 50 percent. The FSC can offer excellent energy conservation and lower sound levels when 100 percent operation is not required. The FSC employs solid state circuitry for long-life and dependability. The FSC is available only on 115V shaded pole or permanent split capacitor motors and is not available on 1140 RPM and 1725 RPM motors. The FSC is normally shipped loose for field installation. Optional pre-wiring available.

Motors

Direct Drive

Single speed:

- ODP single phase, shaded pole or PSC motors are supplied on SWD and SPD units. These motors can be used with an FSC.
- ODP, TEFC and Explosion-proof motors are available in speeds of 1725 and 1140. Single phase motors are available from 1/6 to 1-1/2 HP. Three phase motors are available from 1/4 to 20 HP.
- ODP single phase, 860 rpm motors are available in 1/6 and 1/4 HP.
- TEFC three phase, 860 rpm motors are available from 1/2 to 10 HP.
- TEFC three phase, 680 rpm motors are available in 3/4 to 3 HP.

Two speed:

- 1725 rpm motors are 1725/1140, 1140 motors are 1140/860.
- Explosion-proof motors are available for some sizes.

Belt Drive

Single speed:

- Single phase motors are available from 1/6 to 1-1/2 HP.
- Three phase ODP, TEFC and Explosion-proof motors are available from 1/4 to 25 HP.

Two speed:

- Single phase motors are available in 1725/1140 rpm from 1/6 to 1 HP.
- Three phase motors are available in 1725/1140 rpm with two windings from 1/3 to 20 HP.

Additional Accessories

Extended lubrication lines, insect screen, aluminum mounting flange, extended mounting flange for wall collars and Pac-Fans.

Optional Construction

"All-Aluminum" construction is available on "A" and "E" series propeller wall fans. All fabricated components are produced from aluminum material. Shafts are 304 stainless steel and all fasteners are either 300 or 400 series stainless steel. Motor, bearings, drive sheaves, and their related fasteners are provided as standard steel construction. Any accessories to these units will remain standard steel construction unless specifically requested.

Standard Coatings

Lorenized® is an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Coating must exceed 1,000 hour salt spray under ASTM B117 test method.

Optional Coatings

Cook Epoxy Powder is an electrostatically applied, baked epoxy powder coating. Final coating thickness is 2.5 - 3.5 mils. For outdoor applications an optional UV resistant topcoat is available to prevent cosmetic chalking of the coating.

Cook Phenolic Epoxy Powder is an electrostatically applied, baked phenolic epoxy powder coating. Final coating thickness is 2 - 4 mils. For outdoor applications an optional UV resistant topcoat is required to prevent deterioration of the coating.

Cook Easy Clean Powder is an electrostatically applied, baked modified epoxy silicone powder producing a high temperature "non-stick" coating. Final coating thickness is 1.3 - 1.7 mils.

Air Dry Phenolic (Heresite VR-504) is a conventional spray applied phenolic resin coating. Final coating thickness is 4 - 6 mils. For outdoor applications an optional UV resistant topcoat (Heresite UC-5500) is required to prevent deterioration of the coating.

Refer to the corrosion resistance guide in the Compute-A-Fan software for a listing of the coatings above and their resistance to a variety of chemicals. Additional special coatings are available.

Accessory Pressure Drop

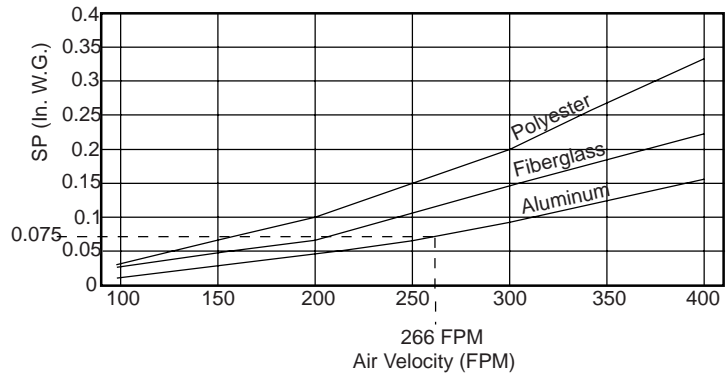
Filter Media Pressure Drop

The following information will be helpful in calculating any additional static pressure to add for filters.

Example:

A size 24 AWB selected for 2369 CFM at 0.25 inches system static pressure utilizing aluminum filter media.

1. CFM/Filter area (SF) = Air velocity (FPM) 2369 CFM/8.9 SF = 266 FPM.
2. Go into the pressure drop graph and determine the static pressure drop with aluminum media, 0.075 (in. W.G.).
3. Add the value from step 2 to the system static pressure, 0.25 + 0.075 = 0.325 (in. W.G.).
4. Make selection at the new static pressure point, 0.325 (in. W.G.).

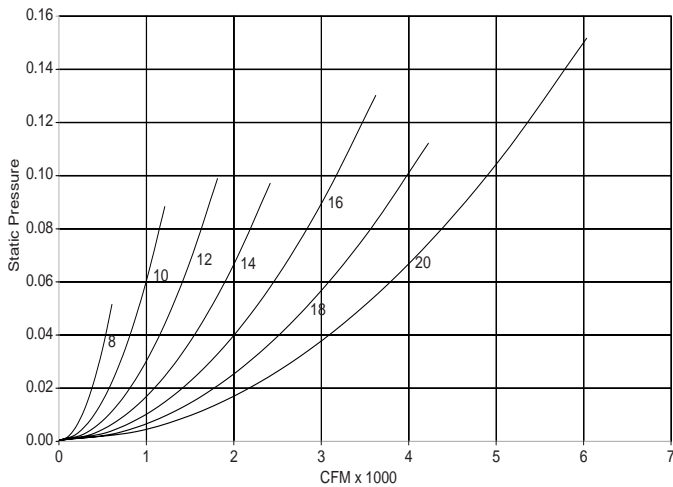


Accessory Pressure Drop

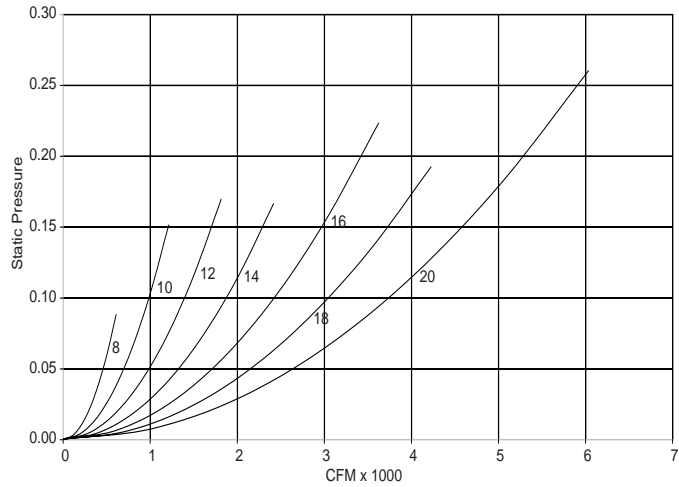
Correct sizing of propeller wall fans requires design phase calculations of the pressure drop for each accessory. This calculation can be determined by using the graphs below in conjunction with the following formula.

1. Determine fan size, CFM and external SP.
2. Use the CFM to determine the SP drop for each fan accessory.
3. Add the total of the accessory pressure drops selected to the external SP to obtain a total system SP.
4. Use the CFM and SP total to determine the HP and RPM from the fan performance tables.

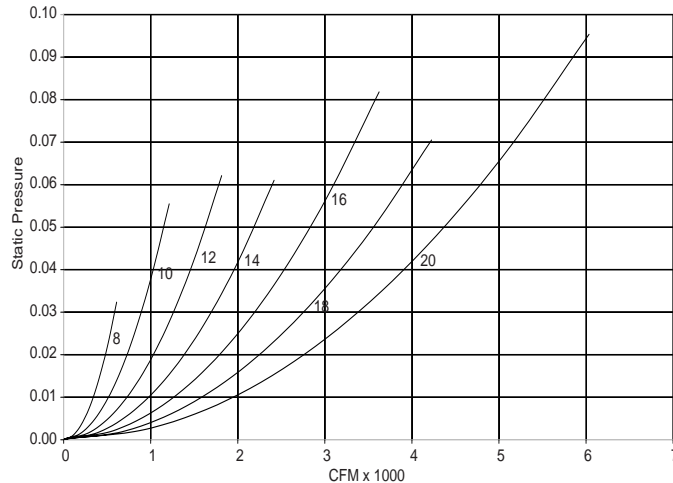
Shutter Guard Pressure Drop - Sizes 8-20



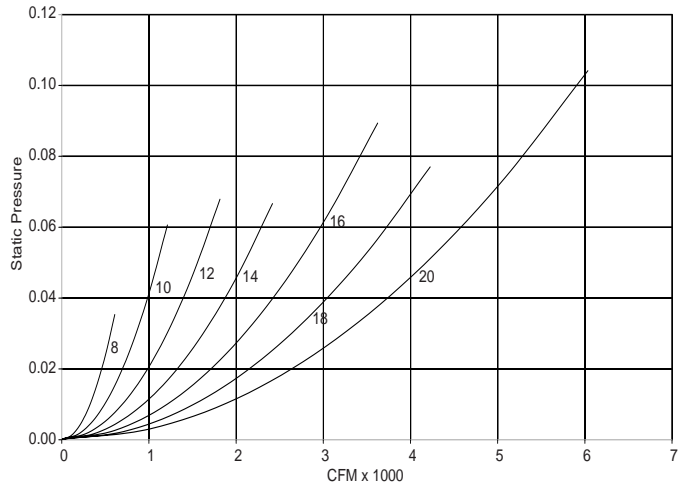
Shutter Pressure Drop - Sizes 8-20



Weather Hood Pressure Drop - Sizes 8-20

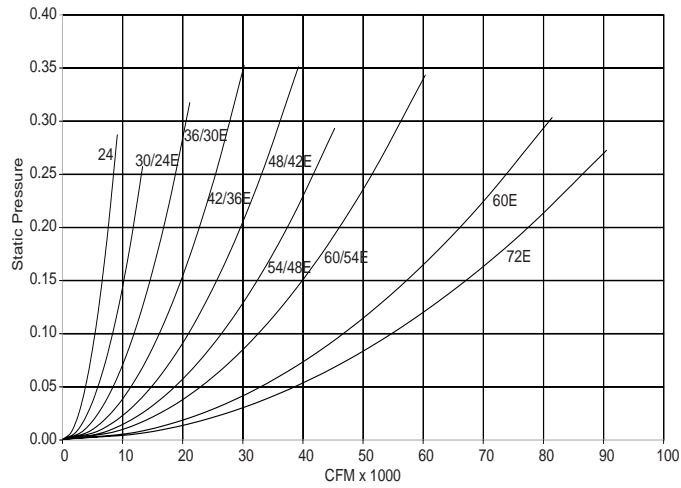


Wire Guard Pressure Drop - Sizes 8-20

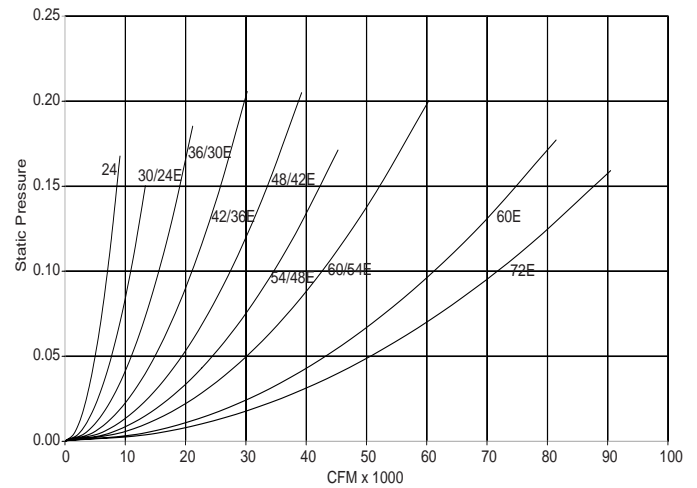


Accessory Pressure Drop

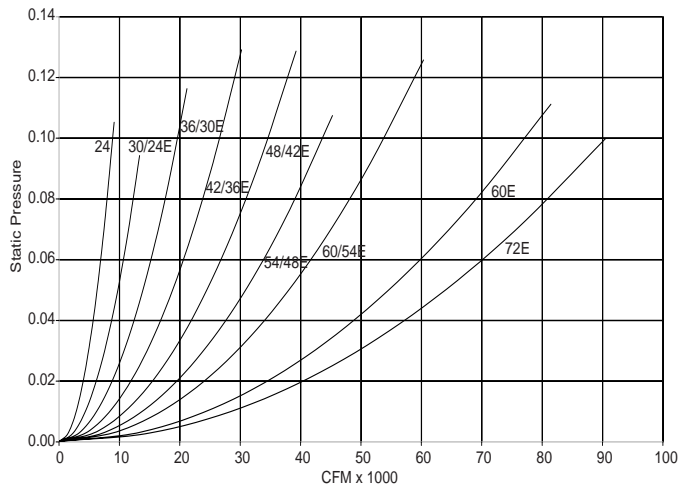
Shutter Pressure Drop - 24-72



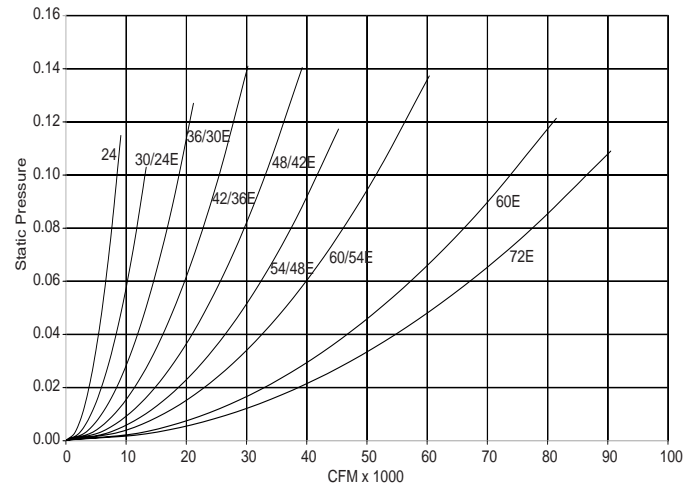
Shutter Guard Pressure Drop - 24-72



Weather Hood Pressure Drop - 24-72



Wire Guard Pressure Drop - 24-72



SWD 8-24 Data

SWD - Direct Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure					
						0.00	0.100	0.125	0.250	0.375	0.500
8	8S15D	1/80	0.01	1250	3.8	168					
				1350		181	82				
				1450		195	95	83			
				1550		208	110	97			
				1690		227	143	116			
10	10S15D	1/25	0.10	1050	7.1	591	249	200			
				1150		648	307	263			
				1250		704	500	323			
				1350		760	580	487			
				1450		817	647	604			
12	12S15D	1/8	0.19	1550	11.1	873	712	676	320		
				850		814	361	283			
				950		910	534	403			
				1050		1006	722	566			
				1150		1102	844	773			
				1250		1198	956	903	461		
				1350		1293	1070	1016	578		
				1450		1389	1195	1127	725		
				1550		1485	1327	1245	958	587	
14	14S10D	1/6	0.14	1615	7.9	1547	1409	1328	1075		
				650		1091	498				
				750		1259	728	607			
				850		1426	1023	845			
				950		1594	1262	1143			
				1050		1762	1490	1382	836		
16	16S10D	1/6	0.21	1130	10.1	1896	1657	1568			
				650		1490	810				
				750		1720	1201	999			
				850		1949	1511	1379			
				950		2178	1798	1689	1007		
				1050		2408	2071	1976	1362		
18	18S10D	1/3	0.51	1115	12.8	2557	2244	2156			
				650		2261	1360	1213			
				750		2608	1991	1607	706		
				850		2956	2448	2290	1198		
				950		3304	2886	2735	1848	1001	
				1050		3652	3310	3173	2234	1540	
20	20S10D	1/3	0.50	1095	15.8	3808	3490	3370	2404	1942	1148
				650		2917	2122	1839			
				750		3366	2740	2524	1224		
				850		3815	3289	3129	2006	1059	
				950		4264	3797	3675	2822	1734	
				1050		4713	4289	4184	3501		
24	24S10D	1/2	0.68	1075	16.8	4825	4410	4309	3660		
				650		4091	3408	3206	1878		
				750		4721	4148	3986	2941	1928	
				850		5350	4858	4720	3905	3026	2081
				950		5979	5547	5429	4785	3868	2975
				1050		6609	6222	6119	5557		

Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. AMCA certified sound ratings only apply to motor RPM without speed controller, i.e. maximum RPM for each size.

AWD - Direct Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure					
						0.000	0.125	0.250	0.375	0.500	0.750
12	12A17D	1/6	0.10	1725	13.4	1195	829	627	558		
16	16A11D	1/6	0.08	1140	8.1	1585	1022	663			
	16A11DA	1/6	0.15	1140	11.7	1987	1292	996			
	16A17D	1/4	0.26	1725	15.5	2398	2037	1644	1303	1079	
	16A17DB	1/2	0.61	1725	24	3007	2578	2108	1738	1592	1134
20	20A11D	1/6	0.20	1140	12.2	3179	2673	1991	1379		
	20A11DA	1/4	0.37	1140	14.2	3891	3290	2306	1775	1146	
	20A17D	1/4	0.29	1725	16.4	3010	2686	2374	2072	1755	1181
	20A17DA	1/3	0.39	1725	27	3602	3348	3121	2632	2321	
	20A17DB	1/2	0.66	1725	23	4811	4496	4160	3738	3299	
24	24A11D	1/4	0.29	1140	13.8	3663	3092	2625	2028	1666	
	24A11DA	1/3	0.40	1140	15.4	4522	3962	3338	2732	2158	
	24A11DB	1/2	0.62	1140	18.2	5969	5472	4703	3832	2958	
	24A11DC	3/4	0.74	1140	19.7	6570	6022	5168	4153	3237	
	24A11DD	1	1.10	1140	21	7185	6513	5431	4095	3519	2649
30	30A8D	3/4	0.80	860	18.6	8945	8045	6816	4671	3738	
	30A8DA	1	0.93	860	20	9830	8884	7168	5030		
	30A11D	3/4	0.83	1140	23	7822	7110	6308	5585	4709	
	30A11DA	1	1.13	1140	25	9359	8625	7870	7074	6131	
	30A11DB	1-1/2	1.66	1140	29	11099	10413	9692	8903	7687	
	30A11DC	2	2.18	1140	32	13030	12353	11563	10283	8950	5912
36	36A8D	1	1.02	860	22	11765	10629	9341	7719		
	36A8DA	1-1/2	1.59	860	25	14396	13226	11733	10363		
	36A11D	3/4	0.84	1140	27	9641	8391	7389	6424		
	36A11DA	1-1/2	1.56	1140	31	13151	12206	11254	10332	9295	
	36A11DB	2	2.23	1140	35	15595	14745	13873	12911	11851	
	36A11DC	3	3.43	1140	42	19084	18230	17291	16170	15085	
42	42A8D	1-1/2	1.71	860	27	16900	15549	14166	12703	11019	
	42A8DA	2	2.45	860	29	20547	19036	17452	16003	14400	
	42A8DB	3	3.17	860	33	22430	21228	19867	18288	16700	
	42A8DC	5	4.70	860	38	27000	25540	24010	22376	20470	
48	48A8D	2	2.25	860	30	21050	18978	17300	15643	13692	
	48A8DA	3	3.38	860	35	24800	23225	21571	19852	18055	
	48A8DB	5	5.72	860	42	33680	31846	30054	28301	26445	21342

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

EWD 24-54 Data

EWD - Direct Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	Fan RPM	FA Sones	CFM vs. Static Pressure						
						0.000	0.125	0.250	0.375	0.500	0.750	1.000
24	24EW416D11	1/3	0.33	1140	17.3	4769	4204	3537	2634			
	24EW620D11	1/2	0.57	1140	24	5689	5303	4842	4276	3549		
	24EW624D11	3/4	0.72	1140	22	6595	6108	5620	5066	4286		
	24EW416D17	1	1.14	1725	34	7216	6854	6476	6068	5630	4545	3129
	24EW420D17	1-1/2	1.41	1725	36	8261	7868	7472	7065	6618	5586	3953
	24EW620D17	2	1.94	1725	46	8608	8358	8101	7827	7521	6812	5978
30	30EW416D08	1/2	0.36	860	17.0	6248	5170	4051	2878			
	30EW420D08		0.48	860	18.6	7234	6110	4939	3636			
	30EW616D08		0.51	860	21	6504	5808	5056	3966	2391		
	30EW624D08	1	0.90	860	22	8775	7981	7139	6074	4664		
	30EW416D11		0.84	1140	27	8282	7453	6651	5823	4813		
	30EW616D11	1-1/2	1.18	1140	33	8622	8099	7569	7013	6380	4638	2473
36	36EW624D11	2	2.08	1140	33	11633	11037	10430	9800	9131	7122	5298
	36EW416D08	1	0.90	860	24	12105	10880	9528	7933	6216		
	36EW420D08		1.13	860	26	13694	12546	11144	9447	7665		
	36EW616D08	1-1/2	1.23	860	21	12058	11090	10199	9069	7895	5080	
	36EW632D08	3	2.95	860	42	19974	18974	17952	16790	14727	10507	
	36EW416D11	2	2.09	1140	38	16047	15131	14190	13186	12076	9572	6875
	36EW420D11	3	2.66	1140	41	18152	17304	16403	15372	14166	11564	8765
42	36EW616D11		2.87	1140	32	15984	15240	14534	13871	13164	11364	9575
	42EW416D08	2	1.92	860	32	18831	17386	15803	13981	12147	7888	
	42EW420D08	3	2.39	860	35	21489	20001	18325	16418	14287	9711	
	42EW616D08		2.58	860	40	18189	17124	16057	14932	13653	10727	7958
	42EW624D08	5	4.45	860	45	25360	24199	23018	21757	19991	17014	12921
	42EW416D11		4.44	1140	53	24963	23882	22772	21595	20303	17544	14512
	42EW420D11		5.55	1140	57	28485	27377	26228	24980	23617	20619	17385
48	42EW616D11	7-1/2	5.98	1140	66	24111	23308	22505	21700	20888	19104	17173
	48EW616D06	3	2.41	680	35	22168	20709	19225	17463	15404	11029	
	48EW624D06	5	4.10	680	28	30038	28426	26714	24743	22394	17423	
	48EW420D08		4.55	860	46	31976	30003	28173	26396	24439	19589	13718
	48EW616D08		4.90	860	52	28036	26884	25726	24554	23285	20124	16801
	48EW624D08	7-1/2	8.30	860	39	37989	36722	35426	34068	32598	29072	25349
	48EW416D11	10	8.24	1140	90	36197	35151	34056	32838	31370	28305	25322
54	48EW616D11		10.53	1140	94	37164	36295	35425	34552	33676	31878	29790
	54EW430D06	7-1/2	6.52	680	40	44959	42274	39329	35122	30723	20845	
	54EW432D06		7.18	680	42	46679	44149	41249	37626	32881	21640	
	54EW626D06		7.64	680	50	44542	42702	40658	38057	35244	29178	19218
	54EW632D06	10	9.75	680	26	51687	49363	47108	44914	42383	34182	23139
	54EW432D08	15	14.51	860	62	59036	57058	54987	52672	50001	43263	34814
54	54EW624D08		13.47	860	55	52801	51296	49713	47953	46008	41801	37305

Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model EWD is not licensed to bear the AMCA Seal.

XLW / XMW - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure								
						0.000	0.100	0.125	0.250	0.375	0.500	0.625	0.750	1.000
20	20XLW/ 20XLWH	1/4	0.17	748	11.2	3549	2915	2615						
			0.20	794	12.7	3768	3196	2966						
			0.25	841	14.3	3991	3462	3289	1042					
		1/3	0.28	885	15.9	4199	3701	3558	1734					
			0.32	930	17.5	4413	3940	3814	2468					
		1/2	0.40	998	19.8	4736	4294	4183	3212					
			0.49	1067	22	5063	4648	4547	3769	1841				
		3/4	0.61	1147	25	5443	5054	4962	4368	3134				
			0.75	1228	28	5827	5462	5375	4891	3983	2064			
	20XMW/ 20XMWH	1/4	0.17	887	13.2	3355	2912	2795	1770					
			0.21	942	14.7	3563	3147	3039	2300					
			0.24	997	16.2	3771	3379	3279	2664	1355				
		1/3	0.29	1049	17.7	3967	3596	3501	2958	1743				
			0.33	1102	19.3	4168	3815	3725	3232	2353				
		1/2	0.41	1184	22	4478	4150	4067	3629	3030	1790			
			0.50	1265	25	4784	4478	4400	4000	3515	2631	1609		
		3/4	0.63	1361	28	5147	4863	4791	4425	4015	3457	2313		
			0.77	1456	32	5507	5241	5174	4834	4472	4032	3366	2238	
24	24XLW/ 24XLWH	1/4	0.17	599	9.7	4703	3771	3340						
			0.20	636	10.8	4993	4157	3841						
			0.23	673	12.0	5284	4524	4251						
		1/3	0.28	709	13.3	5566	4867	4627	1899					
			0.33	744	14.6	5841	5190	4976	2920					
		1/2	0.41	799	16.8	6273	5682	5500	3779					
			0.49	854	18.9	6705	6161	6003	4842	1778				
		3/4	0.62	918	21	7207	6707	6569	5643	3779				
			0.77	983	24	7718	7255	7130	6341	4687	1968			
	24XMW/ 24XMWH	1	0.87	1033	26	8110	7672	7555	6848	5694	3345			
			1.03	1084	28	8511	8095	7985	7345	6444	4752	1869		
		1/4	.17	753	13.4	4233	3550	3365	1969					
			.2	799	14.9	4491	3852	3681	2495					
			.24	846	16.5	4755	4154	3996	3062	1610				
		1/3	.29	890	18.0	5003	4433	4285	3450	2067				
			.33	935	19.6	5256	4715	4575	3808	2543				
		1/2	.41	1005	22	5649	5147	5019	4331	3415	2137			
			.5	1074	24	6037	5568	5449	4822	4091	2878	1909		
		3/4	.62	1154	27	6487	6051	5941	5368	4732	3860	2724	1866	
			.76	1235	30	6942	6536	6433	5905	5335	4679	3585	2661	
		1	.9	1299	33	7302	6916	6818	6321	5791	5204	4427	3356	
			1.01	1363	36	7662	7294	7201	6730	6234	5695	5076	4047	2457

Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Sones shown apply to the highest cataloged CFM at each fan RPM. Heavy duty power assembly (XLWH/XMWH) required for performance in shaded area.

XLW/XMW 30-36 Data

XLW / XMW - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure								
						0.000	0.100	0.125	0.250	0.375	0.500	0.625	0.375	1.000
30	30XLW/ 30XLWH	1/4	0.16	387	6.9	6257	3682	2160						
			0.20	411	7.7	6645	4420	3404						
			0.23	435	8.5	7033	5136	4187						
		1/3	0.26	458	9.3	7405	5708	4894						
			0.30	481	10.1	7777	6220	5594						
		1/2	0.41	517	11.5	8359	6967	6495	2260					
			0.47	552	13.1	8924	7657	7256	3197					
		3/4	0.59	594	15.0	9603	8454	8108	5261					
			0.75	635	17.0	10266	9209	8903	6523	2822				
		1	0.84	668	18.5	10800	9806	9524	7553	3675				
			0.98	701	20	11333	10393	10133	8466	5438				
		1-1/2	1.23	753	23	12174	11307	11073	9672	7239	3779			
			1.56	805	25	13015	12209	11996	10764	8847	6048	3062		
		2	1.74	846	28	13678	12914	12714	11584	10042	7633	4328		
			2.08	887	30	14341	13614	13426	12380	11056	8888	5741	3605	
	30XMW/ 30XMWH	1/4	0.14	472	7.3	5636	4049	3502						
			0.16	502	8.1	5995	4534	4088						
			0.19	531	8.9	6341	4980	4582						
		1/3	0.28	559	9.8	6675	5394	5034	2373					
			0.31	587	10.7	7010	5795	5467	2797					
		1/2	0.36	631	12.1	7535	6408	6118	3746					
			0.49	674	13.6	8048	6993	6728	5094	2729				
		3/4	0.58	724	15.5	8645	7662	7418	6026	3502				
			0.75	775	17.3	9254	8335	8107	6872	4679	3092			
		1	0.84	815	18.8	9732	8857	8640	7500	6006	3729			
			1.02	855	20	10210	9375	9168	8105	6818	4353	3239		
		1-1/2	1.20	919	23	10974	10197	10003	9033	7924	6338	4285		
			1.49	982	25	11726	10999	10817	9915	8936	7774	5410	4324	
		2	1.67	1032	27	12323	11631	11458	10601	9700	8660	7227	5081	
			2.08	1082	29	12920	12260	12095	11277	10438	9491	8388	6108	4107
36	36XLW/ 36XLWH	1/4	0.17	304	5.7	8276	3270							
			0.21	323	6.4	8793	5169	2520						
			0.24	342	7	9311	6045	3761						
		1/3	0.28	360	7.7	9801	6891	5722						
			0.32	378	8.3	10291	7641	6557						
		1/2	0.4	406	9.4	11053	8663	7860						
			0.49	434	10.5	11815	9636	8971						
		3/4	0.61	466	12	12687	10748	10107	4318					
			0.74	499	13.5	13585	11883	11250	6254					
		1	0.86	525	14.8	14293	12746	12156	8843					
			1.03	551	16	15001	13578	13051	10043	3815				
		1-1/2	1.23	592	18	16117	14845	14412	11862	6497				
			1.56	633	20	17233	16073	15710	13380	10375	4223			
		2	1.75	665	22	18104	17014	16693	14501	11833	6517			
			2.09	697	23	18975	17946	17651	15610	13339	8212	4176		
	36XMW/ 36XMWH	1/3	0.16	350	7.4	7778	4625	2977						
			0.22	394	9.4	8755	6237	5269						
			0.29	439	11.9	9755	7669	6919						
		1/2	0.40	471	13.9	10466	8556	7986	3523					
			0.48	504	15.7	11200	9419	8949	4492					
		3/4	0.59	542	17.9	12044	10375	9974	6859					
			0.75	580	20	12888	11312	10949	8262	4403				
		1	0.86	610	22	13555	12043	11700	9384	5270				
			1.02	640	24	14222	12768	12440	10457	6402	4210			
		1-1/2	1.24	688	28	15288	13920	13609	11950	9326	5601			
			1.53	735	32	16333	15040	14743	13268	11037	7186	5294		
		2	1.81	773	35	17177	15942	15653	14275	12434	9973	6372	4783	
			2.04	810	38	17999	16815	16536	15225	13651	11320	7554	5938	

Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Sones shown apply to the highest cataloged CFM at each fan RPM. Heavy duty power assembly (XLWH/XMWH) required for performance in shaded area.

XLW / XMW - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure								
						0.000	0.100	0.125	0.250	0.375	0.500	0.625	0.375	1.000
42	42XLW/ 42XLWH	1/3	0.25	260	7.8	11511	4688							
			0.33	283	9.2	12529	7786	4618						
		1/2	0.41	304	10.7	13459	9795	7690						
			0.50	325	12.0	14388	11172	9618						
		3/4	0.62	349	13.4	15451	12553	11586						
			0.76	374	14.9	16558	13903	13119						
		1	0.89	393	16.1	17399	14894	14189						
			1.02	412	17.2	18240	15866	15218	7486					
		1-1/2	1.18	432	18.4	19125	16872	16270	11044					
			1.35	452	19.6	20011	17866	17300	12757					
			1.55	473	21	20940	18897	18364	14892					
		2	1.80	497	23	22003	20064	19561	16608	8563				
			2.08	522	25	23110	21268	20794	18147	12938				
		3	2.57	560	29	24792	23079	22641	20298	16328	8557			
			3.14	599	33	26519	24921	24514	22385	19697	14577			
	42XMW/ 42XMWH	1/3	0.18	274	8.6	9535	5791							
			0.33	333	12.8	11588	9315	8183						
		1/2	0.41	358	14.1	12458	10443	9652						
			0.50	383	15.5	13328	11472	10920						
		3/4	0.62	412	17.1	14338	12620	12166	6629					
			0.77	441	18.8	15347	13744	13338	9794					
		1	0.88	463	20	16112	14585	14203	11126					
			1.02	486	22	16913	15458	15094	12439	6546				
		1-1/2	1.27	522	25	18166	16811	16473	14504	10207				
			1.55	558	29	19418	18151	17835	16167	13109	7305			
		2	1.79	586	32	20393	19186	18885	17344	14697	9703			
			2.08	615	35	21402	20252	19965	18517	16423	13168	7453		
		3	2.58	661	40	23003	21933	21666	20328	18807	16084	11474		
			3.14	706	43	24569	23567	23317	22065	20758	18717	16063	10793	
48	48XLW/ 48XLWH	1/2	0.32	238	7.9	14886	6610							
			0.50	274	10.3	17138	12729	10009						
		3/4	0.62	294	11.8	18389	14445	12959						
			0.76	315	13.5	19702	16131	15004						
		1	0.88	331	14.6	20703	17383	16338						
			1.02	347	15.8	21703	18605	17624						
		1-1/2	1.26	373	17.6	23330	20531	19661	9987					
			1.54	399	19.4	24956	22394	21629	15859					
		2	1.78	419	21	26207	23793	23098	18699					
			2.08	440	23	27520	25242	24605	20738					
		3	2.56	472	25	29522	27419	26847	23423	16878				
			3.13	505	28	31586	29632	29113	26053	21901				
	48XMW/ 48XMWH	1/2	0.24	250	8.0	13203	6474							
			0.50	318	12.5	16794	13158	12047						
		3/4	0.62	342	14.1	18061	14702	13802						
			0.75	366	15.7	19328	16194	15393						
		1	0.86	384	16.9	20279	17291	16540						
			1.02	403	18.1	21282	18432	17724	11547					
		1-1/2	1.25	433	20	22867	20210	19554	15549					
			1.54	463	23	24451	21963	21348	18058					
		2	1.80	487	25	25718	23351	22765	19748	13036				
			2.04	510	26	26933	24671	24110	21275	16615				
		3	2.55	548	30	28940	26833	26310	23701	20643	12577			
			3.10	586	34	30947	28975	28485	26053	23468	18778			

Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Sones shown apply to the highest cataloged CFM at each fan RPM. Heavy duty power assembly (XLWH/XMWH) required for performance in shaded area.

XLW/XMW 54-60 Data

XLW / XMW - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure								
						0.000	0.100	0.125	0.250	0.375	0.500	0.625	0.750	1.000
54	54XLW/ 54XLWH	3/4	0.52	216	8.0	20194	13930	10752						
			0.71	240	9.5	22438	17315	15330						
		1	0.83	252	10.2	23559	18802	17163						
			1.02	264	11.1	24681	20219	18800	7187					
		1-1/2	1.20	284	12.6	26551	22482	21292	10241					
			1.41	304	14.3	28421	24664	23619	14879					
		2	1.65	320	15.7	29917	26371	25409	18202					
			2.05	335	17.0	31319	27949	27048	20942	10419				
		3	2.39	359	19.1	33563	30434	29613	24647	15074				
			3.10	384	21	35900	32985	32231	27954	20719	11631			
		5	4.08	420	25	39266	36610	35931	32268	27248	18735	11726		
			5.27	457	28	42725	40290	39672	36424	32529	26593	17895	12411	
	54XMW/ 54XMWH	3/4	0.50	234	8.8	20378	14307	11728						
			0.70	262	10.6	22817	17805	16056						
		1	0.82	276	11.5	24036	19260	17985						
			0.98	289	12.4	25168	20545	19478	9130					
		1-1/2	1.18	311	14.1	27084	22651	21774	12205					
			1.43	332	15.7	28913	24623	23828	16710					
		2	1.76	349	17.1	30394	26203	25447	18817	10489				
			1.94	366	18.5	31874	27774	27045	21920	12618				
		3	2.42	393	21	34225	30267	29556	25756	18843				
			2.94	420	23	36577	32765	32052	28762	22052	14263			
		5	3.94	460	27	40060	36452	35747	32779	28769	22519	14822		
			5.10	500	30	43544	40134	39428	36595	33675	27614	23297	15742	
60	60XLW/ 60XLWH	1-1/2	0.87	208	9.5	27823	22101	19473						
			1.60	255	13.1	34111	29864	28488						
		2	1.92	268	14.3	35849	31924	30599	22613					
			2.16	281	15.4	37588	33908	32725	25174					
		3	2.63	301	17.1	40264	36853	35906	28794					
			3.38	322	19.1	43073	39876	39075	33558					
		5	3.90	342	21	45748	42718	41998	37241	30432				
			4.58	362	23	48424	45538	44868	40510	34039				
		7-1/2	5.57	383	26	51233	48483	47850	43926	38303				
			5.98	394	27	52704	50021	49403	45727	41015	34971			
			6.44	405	28	54176	51555	50952	47510	43210	36979			
			7.28	416	29	55647	53087	52495	49263	45131	38946	33942		
			7.74	427	30	57118	54618	54037	50983	46958	40972	36449		
			8.23	440	32	58857	56423	55855	52966	49072	43675			
		60XMW/ 60XMWH	1-1/2	0.58	225	9.7	24365	18108	16377					
				1.01	266	12.8	28805	23299	22149	13779				
				1.52	307	16.2	33245	28177	27207	21351	9994			
			2	1.80	323	17.7	34978	30055	29115	23911	15943			
				2.04	338	19.1	36602	31805	30888	26154	19614			
			3	2.36	355	21	38443	33785	32885	28528	22634	11610		
				2.75	372	22	40284	35762	34869	30782	25487	17908		
				3.10	388	24	42017	37623	36738	32826	28094	22200		
		5	3.68	412	27	44615	40400	39527	35795	31748	26487	15824		
			4.38	436	29	47214	43179	42319	38697	35105	30497	25254	14386	
			5.25	461	31	49922	46052	45212	41675	38399	34462	29676	23946	

Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Sones shown apply to the highest cataloged CFM at each fan RPM. Heavy duty power assembly (XLWH/XMWH) required for performance in shaded area.

AWB - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	Fan RPM	FA Sones	CFM vs Static Pressure				
						0.000	0.125	0.250	0.375	0.500
24	24A3B	1/4	0.24	795	14.3	4582	3563			
	24A4B	1/3	0.33	879	17.2	5066	4236	2744		
	24A5B	1/2	0.51	1009	22	5815	5164	4114	2921	
	24A6B	3/4	0.77	1161	28	6691	6155	5340	4393	3351
	24A7B	1	1.02	1281	33	7382	6908	6276	5398	4246
	24A8B	1-1/2	1.54	1471	41	8477	8072	7598	6936	6169
30	30A4B	1/3	0.32	604	13.7	6904	5002			
	30A5B	1/2	0.49	694	17.7	7932	6555	3899		
	30A6B	3/4	0.75	799	23	9133	8082	6220	4107	
	30A7B	1	1.04	881	27	10070	9154	7516	5942	4326
	30A8B	1-1/2	1.53	1012	34	11567	10794	9754	8131	6734
	30A9B	2	2.03	1115	41	12744	12051	11226	9833	8565
36	36A5B	1/2	0.49	524	15.1	10200	7525			
	36A6B	3/4	0.75	603	19	11737	9728	5733		
	36A7B	1	0.96	665	22	12944	11238	7815		
	36A8B	1-1/2	1.51	764	27	14871	13470	11343	7711	
	36A9B	2	2.06	842	32	16390	15148	13482	10716	7853
	36A10B	3	3.04	966	41	18803	17739	16488	14764	12121
42	42A6B	3/4	0.76	469	19.2	14724	11854			
	42A7B	1	1.01	518	23	16263	13725	8855		
	42A8B	1-1/2	1.56	595	27	18680	16514	13880	7901	
	42A9B	2	2.07	655	31	20564	18616	16436	12668	
	42A10B	3	3.14	752	40	23609	21930	20128	18044	14285
	42A11B	5	5.27	894	57	28067	26665	25203	23653	21926
48	48A7B	1	0.96	443	22	19433	16172	8530		
	48A8B	1-1/2	1.54	509	29	22328	19640	15485	8808	
	48A9B	2	1.92	561	33	24609	22219	19046	12756	
	48A10B	3	2.91	644	40	28250	26203	23824	20476	14295
	48A11B	5	4.89	766	55	33602	31899	30084	27938	25170
	48A12B	7-1/2	7.26	878	74	38515	37036	35502	33836	31898

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

EWB 24-42 Data

EWB - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	Fan RPM	FA Sones	CFM vs. Static Pressure								
						0.000	0.125	0.250	0.375	0.500	0.750	1.000	1.250	1.500
24	24EW420B	1/2	0.54	1252	22	5996	5453	4872	4181	3091				
	24EW614B	1/2	0.53	1281	23	4968	4618	4221	3822	3333	1758			
	24EW420B	3/4	0.81	1434	27	6867	6394	5910	5364	4745				
	24EW616B	3/4	0.81	1398	26	5946	5604	5250	4892	4528	3485	1798		
	24EW430B	1	1.08	1319	30	8373	7808	7168	6442	5735				
	24EW620B	1	1.08	1412	28	7046	6739	6410	6026	5585	4493	2906		
	24EW430B	1-1/2	1.62	1510	38	9585	9096	8569	7970	7332	5262			
	24EW622B	1-1/2	1.62	1554	33	8339	8047	7739	7390	6997	6180	4896	3088	
30	24EW624B	2	2.16	1641	37	9493	9155	8817	8481	8141	7386	6340	5144	2932
	30EW424B	3/4	0.81	936	23	9157	8218	7127	5631	3949				
	30EW614B	3/4	0.81	1058	26	7296	6724	6104	5480	4754	2452			
	30EW424B	1	1.08	1030	27	10076	9244	8246	7212	5519	2561			
	30EW614B	1	1.07	1164	30	8027	7510	6956	6388	5814	4187	2312		
	30EW424B	1-1/2	1.62	1180	32	11544	10832	9997	9134	8190	5383	2822		
	30EW618B	1-1/2	1.62	1213	33	10041	9480	8936	8403	7843	6269	4851	2516	
	30EW428B	2	2.15	1220	38	13083	12332	11549	10666	9612	6872	4484	2257	
	30EW618B	2	2.15	1335	38	11051	10540	10040	9556	9067	7953	6258	5091	2841
	30EW430B	3	3.22	1342	49	15217	14589	13916	13131	12105	9633	7714	4708	2973
36	30EW624B	3	3.24	1317	40	13439	12924	12403	11871	11323	10123	8237	6768	3931
	36EW424B	1	1.07	770	23	14197	12854	11149	9030	6265				
	36EW614B	1	1.08	868	21	10983	10136	9284	8314	7080				
	36EW424B	1-1/2	1.61	881	28	16244	15094	13739	12087	10202				
	36EW614B	1-1/2	1.61	993	26	12564	11824	11086	10319	9441	7264			
	36EW426B	2	2.15	943	33	18147	17035	15854	14475	12741	8146			
	36EW614B	2	2.15	1094	30	13842	13170	12500	11824	11100	9291			
	36EW432B	3	3.24	966	42	21550	20424	19114	17724	16413	11132			
	36EW616B	3	3.23	1186	35	16629	15913	15229	14587	13932	12246	10550		
	36EW430B	5	5.40	1204	59	21273	20445	19661	18813	17842	15440	12579	9899	
42	36EW620B	5	5.39	1289	42	20838	20291	19732	19150	18524	17086	15385	13546	11622
	42EW424B	1-1/2	1.58	688	25	19609	17721	15418	12174	9075				
	42EW614B	1-1/2	1.61	761	23	15228	13979	12680	11354	9890	6788			
	42EW422B	2	2.15	780	29	21292	19705	17810	15708	12769	7016			
	42EW614B	2	2.14	838	27	16768	15637	14470	13274	12054	9147			
	42EW428B	3	3.23	808	37	25597	23827	21956	19918	17200	11221			
	42EW614B	3	3.23	960	33	19210	18225	17220	16187	15141	12948	10356	6402	
	42EW424B	5	5.34	1028	48	29299	28090	26801	25334	23763	19883	15346	11826	
	42EW618B	5	5.36	1046	40	24316	23496	22620	21596	20492	18619	16382	13637	11324
	42EW428B	7-1/2	8.07	1098	63	34785	33490	32175	30814	29395	26288	21793	17091	13585
48	42EW620B	7-1/2	8.07	1147	47	28966	28154	27323	26454	25514	23568	21730	19451	16968

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

EWB - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	Fan RPM	FA Sones	CFM vs. Static Pressure								
						0.000	0.125	0.250	0.375	0.500	0.375	1.000	1.250	1.500
48	48EW412B	2	2.15	805	35	21624	19999	17902	15943	13635	9100			
	48EW624B	2	2.13	547	21	24163	22131	19743	16817	13544				
	48EW414B	3	3.21	875	41	25584	24164	22530	20573	18660	14718	9477		
	48EW628B	3	3.22	584	25	28685	27052	24871	21913	18681				
	48EW414B	5	5.37	1037	54	30321	29135	27872	26399	24733	21488	18173	14363	8684
	48EW628B	5	5.31	692	32	33990	32636	31113	28999	26492	21095	12939		
	48EW414B	7-1/2	8.10	1188	69	34736	33705	32637	31479	30154	27269	24436	21544	18481
	48EW628B	7-1/2	8.04	793	39	38951	37779	36532	35067	33098	28697	23887	16567	8228
	48EW418B	10	10.80	1190	74	41185	40035	38867	37663	36397	33542	30179	26853	23570
54	48EW632B	10	10.75	830	48	44619	43347	42024	40574	38855	34382	29163	23196	13992
	54EW432B	3	3.20	520	28	35696	32239	27393	20543	11960				
	54EW626B	3	3.22	509	26	33341	30791	27269	23414	18862				
	54EW432B	5	5.36	617	36	42355	39537	36105	31529	25640				
	54EW632B	5	5.35	556	19.5	42262	39437	36740	33303	28010	13601			
	54EW430B	7-1/2	8.06	729	45	48199	45701	43038	39739	35193	26445	14797		
	54EW626B	7-1/2	8.03	691	40	45263	43453	41458	38947	36165	30280	21058		
	54EW430B	10	10.75	803	53	53091	50832	48475	45849	42293	34801	26188	14357	
	54EW624B	10	10.72	797	48	48933	47304	45554	43569	41386	36710	31789	24736	14800
60	54EW432B	15	16.16	891	67	61164	59257	57270	55089	52599	46482	38365	29929	19349
	54EW622B	15	16.16	941	62	49004	47754	46451	45027	43460	40052	36681	33521	29182
	60EW422B	5	5.36	614	36	48373	44730	41391	37509	32199	16013			
	60EW622B	5	5.29	541	31	46030	42994	39981	36374	32333	22401			
	60EW428B	7-1/2	8.07	629	42	58267	54860	51030	46897	42176	25278			
	60EW620B	7-1/2	7.95	646	39	51314	49062	46748	44278	41395	34333	26078		
	60EW428B	10	10.75	692	49	64103	61024	57680	53958	50176	37434			
	60EW622B	10	10.71	683	45	58112	55698	53319	50937	48328	42007	34142	26056	
	60EW428B	15	16.08	792	61	73367	70691	67888	64806	61523	54593	41610	28990	
72	60EW622B	15	16.15	782	56	66536	64425	62332	60268	58175	53331	47727	41183	34128
	60EW428B	20	21.51	872	73	80778	78354	75853	73180	70279	64309	57087	43585	32650
	60EW624B	20	21.52	838	66	73948	72193	70410	68566	66614	62354	57873	52302	44459
	72EW428B	5	5.21	427	32	63668	57921	46021	27663					
	72EW622B	5	5.13	423	31	56905	52293	47119	40554	26390				
	72EW426B	7-1/2	7.88	510	42	72196	67443	61157	51986					
	72EW622B	7-1/2	7.75	485	37	65246	61242	57058	51879	46195	22768			
	72EW428B	10	10.59	539	47	80368	75934	70999	62854	49417	20899			
	72EW622B	10	10.11	534	43	41837	68208	64484	60369	55115	39328			
72	72EW430B	15	15.86	598	58	93661	88988	83637	77437	71562	42400			
	72EW620B	15	15.78	632	55	82489	79643	76568	72805	68006	59356	47198		
	72EW430B	20	21.29	659	69	103215	99000	94405	88915	83505	62970	36077		
	72EW622B	20	20.97	674	64	90671	87804	84907	81949	78854	71191	63081		

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

SPD 8-24 Data

SPD - Direct Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure				
						0.000	0.125	0.250	0.375	0.500
8	8SP15D	1/80	0.01	1250	1.7	168				
				1350	2.2	181				
				1450	2.7	195	83			
				1550	3.2	208	97			
				1690	3.8	227	116			
10	10SP15D	1/25	0.10	1050	3.1	591	200			
				1150	3.8	648	263			
				1250	4.6	704	323			
				1350	5.4	760	487			
				1450	6.2	817	604			
12	12SP15D	1/8	0.19	1550	7.1	873	676	320		
				1050	4.9	1006	566			
				1150	5.9	1102	773			
				1250	6.9	1198	903	461		
				1350	8.0	1293	1016	578		
14	14SP10D	1/6	0.15	1450	9.1	1389	1127	725		
				1550	10.4	1485	1245	958	587	
				1615	11.1	1547	1328	1075	662	
				650	2.4	1091				
				750	3.4	1259	607			
16	16SP10D	1/6	0.25	850	4.5	1426	845			
				950	5.7	1594	1143			
				1050	6.9	1762	1382	836		
				1130	7.9	1896	1568	1012		
				650	3.5	1490				
18	18SP10D	1/3	0.51	750	4.8	1720	999			
				850	6.2	1949	1379			
				950	7.8	2178	1689	1007		
				1050	9.1	2408	1976	1362		
				1115	10.1	2557	2156			
20	20SP10D	1/3	0.50	650	4.6	2261	1213			
				750	6.2	2608	1607	706		
				850	7.8	2956	2290	1198		
				950	10.1	3304	2735	1848	1001	
				1050	12.0	3173	2234	1540		
24	24SP10D	1/2	0.68	1095	12.8	3808	3370	2404	1942	1148
				650	5.8	2917	1839			
				750	7.6	3366	2524	1224		
				850	9.8	3815	3129	2006	1059	
				950	12.9	4264	3675	2822	1734	
				1050	15.2	4713	4184	3501		
				1075	15.8	4825	4309	3660		
				650	7.2	4091	3206	1878		
				750	9.2	4721	3986	2941	1928	
				850	11.4	5350	4720	3905	3026	2081
				950	14.0	5979	5429	4785	3868	2975
				1050	16.8	6609	6119	5557		

Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model SPD is not licensed to bear the AMCA Seal.

APD - Direct Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure			
						0.000	0.125	0.250	0.375
16	16P17D	1/4	0.23	1725	15.9	1946	1604	1104	
	16P17DA	1/3	0.36	1725	17.2	2327	1929	1271	1027
20	20P8D	1/6	0.12	860	9.0	2236	1242		
	20P11D	1/4	0.26	1140	13.4	2939	2400	1529	
24	24P8D	1/6	0.18	860	10.8	3391	2729	1647	
	24P8DA	1/4	0.22	860	11.5	3805	3157	1948	
	24P11D	1/3	0.35	1140	15.4	4144	3653	3122	2266
	24P11DA	1/2	0.56	1140	17.4	5227	4766	4237	3420
30	30P8D	1/3	0.35	860	14.0	5610	4628	3385	
	30P8DA	1/2	0.56	860	16.6	6818	5875	4475	3124
	30P8DB	3/4	0.78	860	18.3	7972	7042	5857	3836
	30P11D	1	1.07	1140	25	8462	7773	7044	5993
36	36P8D	1/2	0.60	860	19	8260	7154	5771	
	36P8DA	3/4	0.79	860	20	9064	7958	6580	4843
	36P8DB	1	1.08	860	23	10620	9542	8234	6060
	36P8DC	1-1/2	1.53	860	25	12304	11275	10027	7201

Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings include the effects of inlet screen and automatic shutter in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. The AMCA Certified Ratings Seal applies to air performance only.

EPD 24-54 Data

EPD - Direct Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure						
						0.000	0.125	0.250	0.375	0.500	0.750	1.000
24	24EP416D11	1/3	0.33	1140	17.3	4302	3791	3162	2346			
	24EP620D11	1/2	0.54	1140	24	5219	4817	4362				
	24EP624D11	3/4	0.72	1140	22	5902	5466	4985	4392	3745	1745	
	24EP416D17	1	1.14	1725	34	6510	6184	5841	5467	5048	4069	
	24EP420D17	1-1/2	1.40	1725	36	7367	6998	6625	6243	5843	4747	
30	30EP416D08	1/2	0.36	860	17	5653	4719	3675	2395			
	30EP420D08		0.48	860	18.6	6422	5481	4384	3422	1663		
	30EP616D08		0.51	860	21	6053	5424	4694	3666	2250		
	30EP624D08	1	0.90	860	22	7951	7228	6404	5233	4342		
	30EP416D11		0.85	1140	27	7493	6781	6090	5366	4496	2245	
36	36EP416D08	1	0.90	860	24	10920	9753	8509	7142	5702		
	36EP420D08		1.14	860	26	12232	10991	9706	8337	6863		
	36EP616D08	1-1/2	1.23	860	21	11006	10253	9333	8323	7318	4898	
	36EP632D08		2.95	860	42	17477	16138	14788	13421	12051	8839	
	36EP416D11		2.08	1140	38	14476	13601	12710	11779	10794	8690	6253
42	42EP416D08	2	1.92	860	32	16982	15519	14069	12612	10913	7293	
	42EP420D08		2.39	860	35	18955	17494	15966	14329	12661	8878	
	42EP616D08	3	2.58	860	40	16774	15853	14867	13771	12678	10070	
	42EP624D08		4.45	860	45	22923	21378	19996	18813	17733	14855	
	42EP416D11		4.46	1140	53	22512	21407	20305	19209	18122	15843	13113
48	48EP616D06	3	2.42	680	35	20474	19181	17695	15980	14221	10188	
	48EP624D06		4.10	680	28	26999	25224	23445	21653	19800	15098	
	48EP420D08	5	4.58	860	46	27972	26501	24960	23250	21352	17322	12329
	48EP616D08		4.89	860	52	25894	24884	23824	22636	21302	18552	15602
	48EP624D08		8.31	860	39	34146	32743	31339	29931	28519	25638	22450
54	54EP430D06	7-1/2	6.55	680	40	37614	34510	31685	28761	25177	17283	
	54EP432D06		7.26	680	42	39703	36402	33095	29773	26353	17559	
	54EP626D06		7.66	680	50	38960	36948	34885	32705	30367	25257	16735
	54EP632D06	10	9.81	680	26	44210	41944	39562	36907	34005	27403	19929
	54EP432D08		14.51	860	62	59036	57058	54987	52672	50001	43263	34814
	54EP624D08		13.51	860	55	46450	44874	43282	41657	39982	36500	32915

Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model EPD is not licensed to bear the AMCA Seal.

XLP / XMP - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure						
						0.000	0.100	0.125	0.250	0.375	0.500	0.625
20	20XLP	1/4	0.12	662	9.1	2639	1516	1084				
			0.17	751	11.8	2994	2095	1777				
			0.24	840	14.9	3349	2598	2344				
		1/3	0.29	884	16.4	3525	2823	2596	1093			
			0.32	929	18.0	3704	3041	2850	1476			
		1/2	0.40	998	20	3979	3363	3203	2020			
			0.49	1067	23	4254	3675	3533	2549			
		3/4	0.61	1147	26	4573	4031	3902	3078	1881		
			0.74	1227	29	4892	4382	4261	3537	2510		
	20XMP	1/4	0.12	776	10.7	2525	2033	1838				
			0.17	886	13.8	2883	2474	2351	1308			
			0.25	997	17.0	3244	2883	2790	2006			
		1/3	0.29	1049	18.6	3413	3070	2984	2331	1414		
			0.33	1102	20	3586	3259	3178	2624	1694		
		1/2	0.42	1184	23	3853	3547	3473	3024	2204	1498	
			0.50	1265	26	4116	3829	3760	3375	2737	1914	
		3/4	0.63	1361	29	4429	4160	4096	3758	3272	2503	1860
			0.77	1456	33	4738	4486	4425	4118	3730	3131	2377
24	24XLP/ 24XLPH	1/4	0.13	544	7.7	3756	2286	1605				
			0.18	608	9.3	4198	2868	2554				
			0.24	671	11.2	4633	3467	3131				
		1/3	0.28	707	12.5	4882	3867	3447	1228			
			0.33	742	13.7	5124	4195	3787	1833			
		1/2	0.40	797	15.7	5503	4655	4389	2618			
			0.50	852	17.8	5883	5089	4883	3525	1315		
		3/4	0.62	916	20	6325	5581	5403	4142	2390		
			0.76	980	22	6767	6064	5902	4699	3257		
	24XMP/ 24XMPH	1	0.88	1030	24	7112	6438	6284	5156	4139	2191	
			1.02	1081	26	7464	6817	6669	5710	4704	3119	
		1/4	0.10	632	10.4	3157	2353	2043				
			0.16	739	13.9	3691	3025	2845	1557			
			0.24	846	17.6	4226	3645	3499	2448	1436		
		1/3	0.28	891	19.3	4451	3899	3762	2863	1791		
			0.33	936	21	4675	4150	4020	3261	2172		
		1/2	0.41	1005	23	5020	4529	4408	3760	2741	1881	
			0.50	1074	26	5365	4905	4791	4207	3342	2449	1691
		3/4	0.63	1155	29	5769	5341	5235	4702	4061	3121	2351
			0.77	1236	32	6174	5773	5674	5180	4640	3820	3040
		1	0.89	1300	35	6494	6112	6018	5549	5055	4414	3560
			1.01	1364	38	6813	6450	6360	5913	5453	4917	4104

Heavy duty power assembly (XLPH/XMPH) required for performance in shaded area. Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model XLP/XMP is not licensed to bear the AMCA Seal.

XLP/XMP 30-36 Data

XLP/XMP - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure						
						0.000	0.100	0.125	0.250	0.375	0.500	0.625
30	30XLP/ 30XLPH	1/4	0.17	388	7.0	5479	2699	1868				
			0.20	412	7.8	5818	3381	2351				
			0.23	435	8.5	6143	3885	3061				
		1/3	0.27	458	9.3	6468	4347	3716				
			0.31	481	10.2	6793	4787	4232				
		1/2	0.38	517	11.5	7301	5458	4956				
			0.49	552	13.0	7795	6095	5620	2707			
		3/4	0.59	594	14.9	8388	6835	6396	3607			
			0.73	635	16.7	8967	7532	7133	4935			
		1	0.87	668	18.2	9433	8077	7709	5722	3152		
			0.98	701	19.7	9900	8612	8271	6413	3806		
		1-1/2	1.26	753	22	10634	9438	9131	7427	5286	3224	
			1.48	805	25	11368	10249	9968	8400	6713	4306	
		2	1.78	846	27	11947	10882	10616	9154	7600	5276	3707
			2.00	887	29	12526	11509	11257	9892	8419	6674	4558
	30XMP/ 30XMPH	1/4	0.16	480	7.6	5027	3531	2781				
			0.18	504	8.3	5278	3900	3340				
			0.20	529	9.0	5540	4251	3820				
		1/3	0.28	557	9.9	5833	4624	4265	2103			
			0.32	585	10.8	6127	4983	4665	2520			
		1/2	0.38	629	12.1	6588	5529	5251	3095			
			0.50	672	13.5	7038	6049	5796	3787	2397		
		3/4	0.60	723	15.2	7572	6652	6422	4936	3173		
			0.77	774	17.1	8106	7246	7033	5823	3839	2731	
		1	0.87	814	18.6	8525	7706	7504	6411	4461	3378	
			0.97	853	20	8933	8151	7958	6947	5329	3900	
		1-1/2	1.23	917	22	9604	8874	8694	7778	6629	4768	3876
			1.44	980	25	10264	9580	9411	8564	7612	6033	4701
		2	1.63	1030	27	10787	10137	9975	9173	8309	7127	5406
			1.83	1080	29	11311	10690	10536	9772	8973	8006	6368
36	36XLP/ 36XLPH	1/3	0.26	350	7.6	8019	4495	3369				
			0.29	364	8.1	8339	5525	3911				
			0.33	378	8.6	8660	6044	4415				
		1/2	0.41	406	9.8	9301	6920	6137				
			0.49	434	11.1	9943	7764	7125				
		3/4	0.62	466	12.8	10676	8720	8100	3308			
			0.74	499	14.3	11432	9666	9095	4940			
		1	0.86	525	15.5	12028	10383	9865	5895			
			1.00	551	16.7	12623	11078	10613	6960			
		1-1/2	1.25	592	18.6	13563	12143	11744	9365	5135		
			1.51	633	21	14502	13182	12830	10670	6865		
		2	1.80	665	22	15235	13981	13656	11636	8051	4955	
			2.06	697	24	15968	14773	14468	12602	10303	6606	
	36XMP/ 36XMPH	1/3	0.16	350	7.0	6740	3362	2685				
			0.23	394	9.0	7588	5115	3842				
			0.31	439	11.3	8454	6287	5677				
		1/2	0.40	471	13.2	9071	7122	6519	3204			
			0.49	504	15.0	9706	7957	7373	4013			
		3/4	0.60	542	17.1	10438	8860	8359	4981			
			0.75	580	19.3	11170	9715	9297	6504	4005		
		1	0.87	610	21	11747	10372	9998	7716	4741		
			0.99	640	23	12325	11015	10675	8545	5474		
		1-1/2	1.25	688	26	13250	12030	11725	9782	6853	5080	
			1.54	735	30	14155	13010	12729	11008	9068	6220	4804
		2	1.77	773	33	14886	13795	13529	11986	10179	7225	5772
			2.02	810	36	15599	14554	14302	12903	11144	8597	6664

Heavy duty power assembly (XLPH/XMPH) required for performance in shaded area. Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model XLP/XMP is not licensed to bear the AMCA Seal.

XLP / XMP - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure						
						0.000	0.100	0.125	0.250	0.375	0.500	0.625
42	42XLP/ 42XLPH	1/3	0.25	260	8.8	9469						
			0.29	272	9.9	9906	4250					
			0.33	283	11.0	10306	4884					
		1/2	0.40	303	12.9	11035	6076	4669				
			0.49	324	14.5	11799	7895	5859				
		3/4	0.61	348	15.7	12673	9072	7874				
			0.75	373	17.0	13584	10266	9374				
		1	0.88	393	18.1	14312	11281	10327				
			1.01	412	19.2	15004	12252	11227				
		1-1/2	1.25	442	21	16097	13674	12748	7432			
			1.53	473	23	17226	15023	14302	9142			
		2	1.78	497	26	18100	16020	15417	11543			
			2.05	521	29	18974	16999	16461	12937	7771		
		3	2.53	559	34	20358	18520	18049	14756	10035		
			3.10	598	40	21778	20055	19629	16639	13111	8580	
	42XMP/ 42XMPH	1/3	0.18	274	8.3	8664	3961					
			0.25	304	10.4	9613	5781	4299				
			0.33	333	12.3	10530	7384	6017				
		1/2	0.41	358	13.6	11321	8443	7546				
			0.50	383	14.9	12111	9421	8728				
		3/4	0.62	412	16.4	13028	10518	9906	5081			
			0.76	441	18.0	13945	11595	11020	6697			
		1	0.89	463	19.5	14641	12402	11848	8006			
			1.03	486	21	15368	13236	12703	9483			
		1-1/2	1.27	522	24	16507	14524	14024	11461	7195		
			1.55	558	28	17645	15792	15325	13025	9247		
		2	1.80	586	30	18530	16768	16323	14139	11021	7376	
			2.08	615	34	19448	17769	17346	15256	12796	8985	
		3	2.58	661	38	20902	19341	18949	16988	15016	11715	8574
			3.15	706	41	22325	20864	20498	18655	16859	14539	11087
48	48XLP/ 48XLPH	1/2	0.33	238	8.1	12395						
			0.41	256	9.4	13332	6499					
			0.50	274	11.0	14269	8018	5938				
		3/4	0.62	294	12.8	15311	10714	7904				
			0.76	315	14.7	16405	12781	9884				
		1	0.88	331	15.8	17238	13877	12321				
			1.02	347	16.9	18071	14896	13901				
		1-1/2	1.27	373	18.7	19425	16483	15705				
			1.55	399	20	20779	18028	17337	9774			
		2	1.79	419	22	21821	19200	18547	11439			
			2.08	440	24	22914	20418	19796	13358			
		3	2.41	462	25	24060	21682	21089	16455			
			2.77	484	27	25206	22936	22369	19101	11528		
		3	3.14	505	29	26299	24124	23580	20705	13346		
	48XMP/ 48XMPH	1/2	.24	250	8.6	11156	4351					
			.36	284	11.2	12673	7535	5332				
			.50	318	14.0	14190	10274	8466				
		3/4	.62	342	15.7	15261	11943	10457				
			.76	366	17.3	16332	13405	12245				
		1	.88	384	18.5	17135	14413	13460				
			1.01	403	19.9	17983	15424	14623	7678			
		1-1/2	1.27	433	22	19321	16961	16314	10471			
			1.54	463	24	20660	18456	17888	13115			
		2	1.78	487	27	21731	19631	19108	15049	8731		
			2.04	510	29	22757	20748	20255	16772	10963		
		3	2.39	535	32	23873	21951	21486	18505	13250		
			2.74	560	34	24988	23146	22703	20092	15463	9835	
		3	3.12	586	38	26148	24382	23959	21613	17611	12391	

Heavy duty power assembly (XLPH/XMPH) required for performance in shaded area. Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model XLP/XMP is not licensed to bear the AMCA Seal.

XLP/XMP 54-60 Data

XLP /XMP - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure						
						0.000	0.100	0.125	0.250	0.375	0.500	0.625
54	54XLP/ 54XLPH	3/4	0.53	216	8.1	17034	10305	7861				
			0.59	228	8.8	17981	11911	9538				
			0.68	239	9.6	18848	13245	11162				
		1	0.80	251	10.4	19794	14621	12817				
			0.94	264	11.4	20820	16051	14429				
		1-1/2	1.26	284	13.1	22397	18136	16723	8570			
			1.47	303	14.8	23895	20003	18780	10793			
		2	1.68	319	16.3	25157	21510	20426	12984			
			2.06	334	17.6	26340	22882	21905	15200	8948		
		3	2.50	359	19.8	28311	25114	24265	18646	11751		
			3.13	384	22	30283	27298	26534	21652	14948	10135	
		5	3.70	408	25	32176	29364	28661	24355	18459	12823	
			4.45	432	27	34068	31410	30752	26926	21843	15721	11647
			5.17	456	29	35961	33437	32817	29375	24842	19076	14319
	54XMP/ 54XMPH	3/4	0.51	234	8.6	17008	11223	8525				
			0.61	248	9.5	18026	12470	11015				
			0.72	262	10.4	19043	13694	12584				
		1	0.82	276	11.4	20061	14990	13831				
			0.94	289	12.4	21006	16320	14960				
		1-1/2	1.21	311	14.1	22605	18584	17004	10164			
			1.43	332	15.8	24131	20518	19182	12173			
		2	1.70	349	17.1	25367	21981	20902	15230			
			2.03	366	18.5	26602	23400	22479	17361	10881		
		3	2.40	393	21	28565	25590	24811	19792	13580		
			3.09	420	23	30527	27737	27042	22161	16775	12234	
		5	3.55	446	25	32417	29780	29141	24668	21045	14954	
			4.36	472	28	34307	31802	31202	27387	23429	17497	13985
			4.99	499	30	36269	33886	33323	30080	25774	22460	16752
60	60XLP/ 60XLPH	1-1/2	0.83	208	9.8	23462	16789	14789				
			1.15	232	11.8	26169	20381	18683	8642			
			1.51	255	13.9	28763	23527	22162	11587			
		2	1.76	268	15.1	30230	25241	23989	13173			
			2.03	281	16.3	31696	26928	25756	17936	9873		
		3	2.54	301	18.2	33952	29484	28399	22067	12845		
			3.09	322	20	36321	32132	31112	25452	15359		
		5	4.02	352	23	39704	35864	34919	30084	24083	15369	
			5.22	383	27	43201	39668	38791	34474	29347	19145	15898
		7-1/2	6.42	411	30	46359	43066	42245	38236	33797	28698	19238
			7.88	439	34	49518	46434	45664	41892	38004	33362	23095
	60XMP/ 60XMPH	1-1/2	0.60	225	9.7	19797	14680	13186				
			0.99	266	12.8	23404	19322	18091	8896			
			1.54	307	16.2	27012	23603	22637	17141			
		2	1.78	323	17.6	28420	25202	24322	19262	10584		
			2.03	338	19.0	29739	26675	25858	21107	12548		
		3	2.57	363	21	31939	29092	28362	24057	19013		
			3.08	388	24	34139	31475	30806	26935	22616	14143	
		5	4.08	424	28	37306	34864	34261	30922	27049	22731	14477
			5.25	461	31	40562	38310	37756	34830	31365	27769	23161
		7-1/2	5.53	469	32	41266	39051	38507	35650	32282	28757	24611
			5.78	476	33	41882	39699	39162	36364	33079	29608	25721

Heavy duty power assembly (XLPH/XMPH) required for performance in shaded area. Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model XLP/XMP is not licensed to bear the AMCA Seal.

APB - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure			
						0.000	0.125	0.250	0.375
24	24P2B	1/6	0.16	676	10.5	3544	2297		
	24P3B	1/4	0.23	777	13.7	4073	3195		
	24P4B	1/3	0.32	859	16.5	4503	3741	2152	
	24P5B	1/2	0.50	986	21	5169	4545	3629	
30	30P2B	1/6	0.16	468	6.1	4587	2056		
	30P3B	1/4	0.22	538	7.7	5273	2947		
	30P4B	1/3	0.32	595	9.2	5832	4311		
	30P5B	1/2	0.48	683	11.9	6695	5507	3175	
	30P6B	3/4	0.76	786	15.2	7704	6748	5064	3236
36	36P3B	1/4	0.24	393	6.3	6095	2528		
	36P4B	1/3	0.29	434	7.6	6730	3564		
	36P5B	1/2	0.40	499	9.7	7738	4748		
	36P6B	3/4	0.72	574	12.4	8902	6746	4126	
	36P7B	1	0.87	633	14.7	9817	8166	5411	
42	42P5B	1/2	0.49	409	9.1	9695	6291		
	42P6B	3/4	0.75	470	11.7	11141	8706		
	42P7B	1	1.01	519	14.0	12303	10185		
	42P8B	1-1/2	1.53	596	17.7	14128	12383	9525	
	42P9B	2	2.08	657	21	15574	14045	12066	9293
48	48P6B	3/4	0.73	373	9.9	12263	8475		
	48P7B	1	0.99	412	12.0	13545	10033		
	48P8B	1-1/2	1.49	473	15.5	15550	12453		
	48P9B	2	2.00	521	18.1	17128	14421	11705	
	48P10B	3	3.08	598	23	19660	17546	14790	12208

Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings include the effects of inlet screen and automatic shutter in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. The AMCA Certified Ratings Seal applies to air performance only.

EPB 24-42 Data

EPB - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure					
						0.000	0.125	0.250	0.375	0.500	0.750
24	24EP420B	1/2	0.50	1226	21	5236	4714	4165	3404		
	24EP614B		0.50	1248	22	4523	4160	3805	3397	2912	
	24EP420B	3/4	0.77	1411	26	6026	5574	5110	4608	3895	
	24EP616B		0.77	1375	26	5393	5078	4768	4445	4040	3057
	24EP430B	1	1.03	1300	29	6912	6395	5892	5253	4109	1840
	24EP620B		1.00	1376	27	6299	5970	5621	5230	4796	3724
	24EP430B	1-1/2	1.56	1493	37	7938	7487	7046	6600	5993	4207
	24EP622B		1.56	1536	32	7494	7198	6893	6564	6183	5184
	24EP624B	2	2.08	1623	36	8402	8100	7791	7468	7117	6289
30	30EP424B	3/4	0.77	921	23	7896	7069	6031	4615	3344	
	30EP614B		0.77	1040	26	6708	6156	5599	5013	4134	
	30EP424B	1	1.03	1016	26	8710	7968	7112	5919	4701	2264
	30EP614B		1.03	1147	30	7398	6898	6395	5883	5311	3849
	30EP424B	1-1/2	1.56	1166	32	9996	9355	8664	7836	6734	4698
	30EP618B		1.56	1199	33	9088	8628	8159	7663	7094	5548
	30EP428B	2	2.09	1207	38	11235	10495	9735	8917	7824	6098
	30EP618B		2.09	1321	38	10013	9596	9173	8737	8270	7050
	30EP430B	3	3.17	1331	49	13019	12248	11465	10655	9788	8161
	30EP624B		3.15	1306	40	12074	11605	11127	10627	10087	8748
36	36EP424B	1	1.03	759	22	12171	10780	9214	7493		
	36EP614B		1.03	855	21	10038	9291	8471	7472	6355	3401
	36EP424B	1-1/2	1.55	871	27	13966	12767	11461	10071	8492	
	36EP614B		1.56	982	26	11529	10882	10202	9442	8541	6661
	36EP426B	2	2.09	933	32	15534	14416	13226	11909	10535	6974
	36EP614B		2.09	1082	30	12703	12117	11512	10861	10128	8392
	36EP432B	3	3.16	958	41	17788	16785	15837	14772	11972	11432
	36EP616B		3.12	1176	34	15050	14511	13943	13303	12565	11100
	36EP430B	5	5.31	1197	58	21120	20344	19542	18677	17690	15264
	36EP620B		5.13	1281	41	18887	18338	17776	17183	16540	15133
42	42EP424B	1-1/2	1.54	680	25	16743	14974	12634	10167	8004	
	42EP614B		1.55	752	23	13893	12762	11605	10394	8895	5045
	42EP422B	2	2.09	772	29	18364	16876	15113	12968	10674	5359
	42EP424B		2.07	749	29	18442	16861	14900	12634	10418	4745
	42EP614B	3	2.08	829	26	15316	14290	13250	12180	11028	8537
	42EP424B		3.14	860	36	21175	19816	18289	16379	14420	10763
	42EP614B	5	3.15	952	33	17588	16696	15797	14882	13946	11787
	42EP424B		5.28	1022	48	25164	24030	22836	21479	19867	16566
	42EP618B	7-1/2	5.21	1040	40	21927	21168	20400	19610	18786	16946
	42EP428B		7.97	1092	63	29124	28050	26936	25722	24346	21092
	42EP620B		7.74	1141	47	26067	25256	24457	23684	22934	21360

Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model EPB is not licensed to bear the AMCA Seal.

EPB - Belt Drive

Fan Size	Catalog Number	Mtr. HP	Max. BHP	RPM	FA Sones	CFM vs. Static Pressure					
						0.000	0.125	0.250	0.375	0.500	0.750
48	48EP412B	2	2.08	797	35	19643	17853	16201	14327	12348	7765
	48EP624B		2.08	542	20	21520	19292	17045	14632	11322	
	48EP414B	3	3.15	867	41	23168	21609	20034	18423	16771	13242
	48EP628B		3.13	579	25	25214	23098	20852	18432	15763	6832
	48EP414B	5	5.30	1031	54	27550	26241	24924	23594	22240	19461
	48EP628B		5.27	688	32	29960	28188	26364	24426	22384	17523
	48EP414B	7-1/2	7.88	1182	70	31585	30444	29298	28146	26983	24607
	48EP628B		7.94	789	39	34359	32816	31249	29626	27917	24356
	48EP418B	10	10.55	1184	76	58582	38589	36063	33899	32190	29142
	48EP632B		10.63	826	48	38511	36909	35285	33613	31869	28173
54	54EP432B	3	3.17	516	27	30128	25775	21387	16287	10084	
	54EP626B		3.14	505	25	28933	26198	23212	19937	14548	
	54EP432B	5	5.32	613	35	35791	32129	28455	24734	20509	10321
	54EP632B		5.27	553	19.3	35953	33136	29959	26376	22109	10261
	54EP430B	7-1/2	7.94	725	44	40103	37177	34491	31846	28735	22035
	54EP432B		8.02	703	44	41046	37853	34655	31444	28184	20153
	54EP430B	10	10.63	799	52	44196	41527	39029	36664	34174	28164
	54EP432B		10.70	774	52	45192	42292	39389	36478	33557	27273
	54EP624B	15	10.62	794	48	42886	41177	39446	37663	35816	31993
	54EP432B		16.11	887	66	51789	49259	46728	44192	41651	36529
60	60EP422B	5	5.26	610	35	41374	38348	34965	31029	27019	11253
	60EP622B		5.24	538	31	40434	37438	34456	31382	27423	17997
	60EP428B	7-1/2	7.92	618	41	48960	45136	41057	36264	30381	
	60EP620B		7.91	642	39	46169	43622	41058	38459	35777	29326
	60EP622B	10	7.89	617	38	46372	43759	41152	38555	35834	28860
	60EP428B		10.60	681	48	53952	50493	46884	42911	38095	28073
	60EP622B	15	10.57	679	44	51032	48657	46286	43924	41553	35927
	60EP428B		15.92	780	60	61795	58781	55700	52454	48913	40051
	60EP622B	20	15.77	778	56	58472	56399	54328	52262	50202	46000
	60EP428B		21.27	859	71	68053	65322	62545	59674	56647	49581
72	72EP624B	5	20.92	835	65	64859	63185	61488	59746	57932	53866
	72EP428B		5.22	427	32	53667	43819	36926	24556		
	72EP622B	7-1/2	5.14	423	31	50875	45776	40974	34149	22609	
	72EP428B		7.85	489	40	61459	53559	45661	35165	27660	
	72EP622B	10	7.84	485	37	58332	53861	49573	45374	38541	20757
	72EP428B		10.59	539	47	67743	61058	52465	47645	35507	18158
	72EP622B	15	10.57	534	43	64225	60154	56202	52432	48371	31280
	72EP430B		15.87	598	58	77724	72531	66272	58173	50151	31307
	72EP620B	20	15.90	632	55	72559	69404	66198	62886	59392	51252
	72EP622B		15.80	612	54	73606	70047	66549	63163	59897	51530
	72EP430B	20	21.24	659	69	85653	80981	75688	69051	61328	47052
	72EP622B		21.13	674	64	81063	77828	74633	71507	68479	62379

Performance shown is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include drive losses. Performance ratings include the effects of shutter, housing and wire guard in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. Model EPB is not licensed to bear the AMCA Seal.



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