

AC



COOK

AC

Power Roof and Wall Ventilators



	Page
Introduction	2-3
Construction Features	4-5
Specifications and Dimension Data	
ACED	6
ACEB	7
ACRUD (Std, HP, XP)	8
ACRUB (Std, HP, XP)	9
ACWD (Std, HP, XP)	10
ACWB (Std, HP, XP)	11
ACSC (Std, HP, XP)	12
Accessories	13-17
ACE Performance & Sound Data	
70-180 ACED	18-19
60-540 ACEB	20-33
ACRU/ACSC Performance & Sound Data	
70-195 ACRUD (Std, HP, XP)	34-37
100-365 ACRUB / ACSC (Std, HP, XP)	38-61
402-490 ACRUB (Std)	62-63
ACW Performance & Sound Data	
70-195 ACWD (Std, HP, XP)	64-67
100-245 ACWB (Std, HP, XP)	68-83
UL Power Ventilator for Smoke Control	84

INTRODUCTION

Cook power roof and wall ventilators provide maximum performance and durability in a wide variety of commercial and industrial air moving applications. Exhaust applications include general ventilation, fume-hood, paint booth and smoke control systems.

- AC unit top cap assembly is designed to provide weather protection for the motor and drive components while maintaining easy, tool free access for inspection and maintenance.
- Standard lifting lugs, located under the top cap, provide for safe, fast and efficient lifting of the unit to a rooftop.
- One piece fan base, which includes a high-efficiency inlet venturi and continuously welded curb cap corners, insures weathertight conditions.
- Spun aluminum baffle is designed to provide smooth, turbulent-free airflow.
- Wheels are centrifugal type featuring non-overloading, backward-inclined blades and a tapered inlet shroud.
- Accurate performance is assured through compliance with the AMCA Certified Ratings Program. All units are licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance.

ACE

Downblast Centrifugal Exhaust Ventilator



- Typically used in roof mounted clean-air exhaust applications.
- ACE available in 8 direct drive sizes and 21 belt drive sizes. Capacities range from 100 to 32,300 CFM, with static pressures from 0 to 1-1/2 inches.

ACRU

Upblast Centrifugal Exhaust Ventilator



- Typically used in roof mounted applications where it is necessary to eject contaminated air away from a rooftop.
- ACRU available in 8 direct drive sizes and 17 belt drive sizes. Capacities range from 200 to 28,800 CFM, with static pressures from 0 to 1-1/2 inches.
- ACRU-HP available in 4 direct drive and 11 belt drive high pressure sizes. Capacities range from 700 to 19,200 CFM, with static pressures from 1/4 to 2-1/2 inches.
- ACRU-XP available in 3 direct drive and 10 belt drive extended pressure sizes. Capacities range from 800 to 11,000 CFM, with static pressures from 1 to 4-1/2 inches.

ACW

Wall Mount Centrifugal Exhaust Ventilator



- Designed specifically for wall mounting, to discharge contaminated air perpendicular to a wall.
- ACW available in 8 direct drive sizes and 10 belt drive sizes. Capacities range from 200 to 8,200 CFM, with static pressures from 0 to 1-1/2 inches.
- ACW-HP available in 4 direct drive and 11 belt drive high pressure sizes. Capacities range from 700 to 19,200 CFM, with static pressures from 1/4 to 2-1/2 inches.
- ACW-XP available in 3 direct drive and 10 belt drive extended pressure sizes. Capacities range from 800 to 11,000 CFM, with static pressures from 1 to 4-1/2 inches.

ACSC

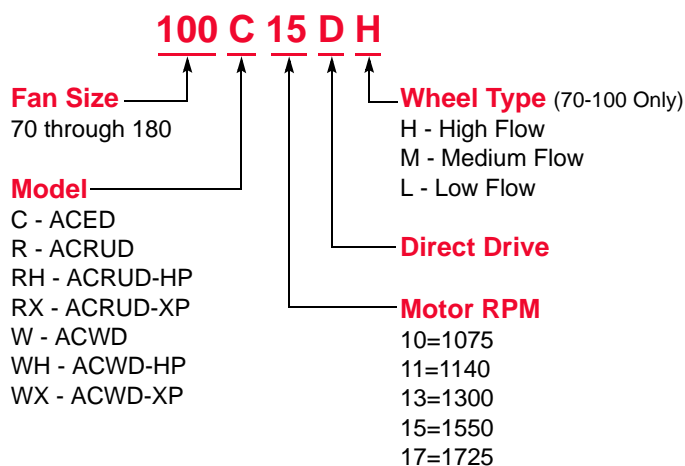
Smoke Control Ventilator



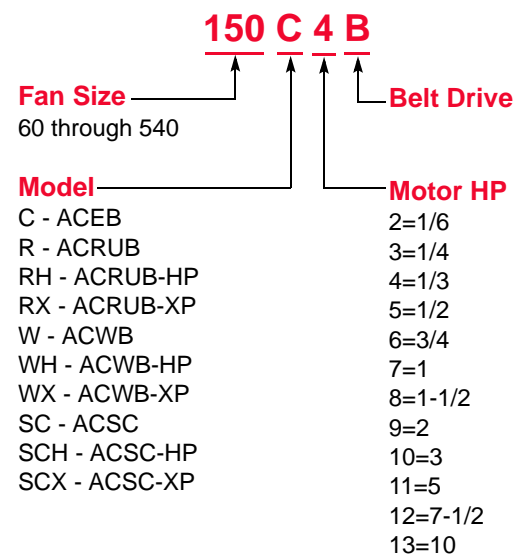
- Upblast Centrifugal Roof Mounted Exhaust Ventilator listed by UL as "Power Ventilator for Smoke Control Systems" at 500° F for (4) hours, and at 1,000° F for 15 minutes.
- ACSC available in 14 belt drive sizes. Capacities range from 400 to 19,400 CFM, with static pressures from 0 to 1-1/2 inches.
- ACSC-HP available in 11 belt drive high pressure sizes. Capacities range from 700 to 19,200 CFM, with static pressures from 1/4 to 2-1/2 inches.
- ACSC-XP available in 10 belt drive extended pressure sizes. Capacities range from 800 to 11,000 CFM, with static pressures from 1 to 4-1/2 inches.

Model Number Chart

Direct Drive Models

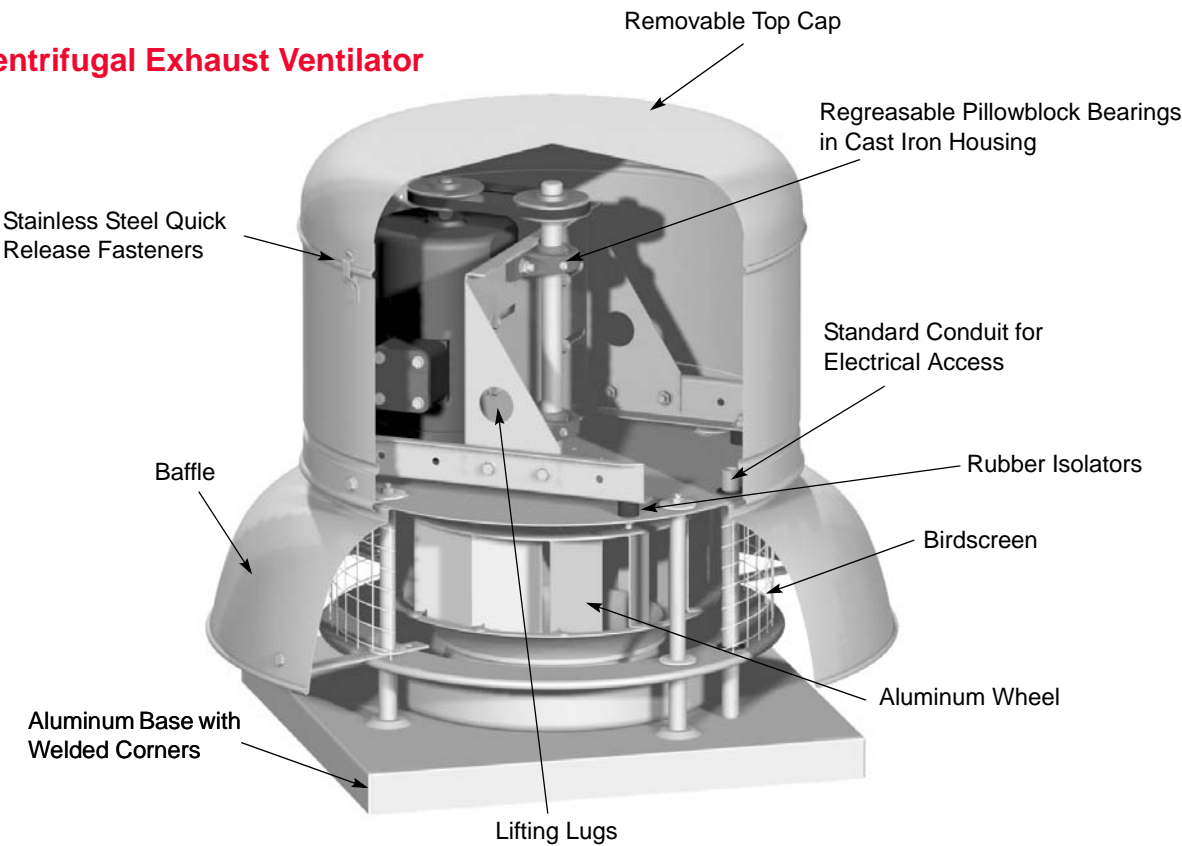


Belt Drive Models

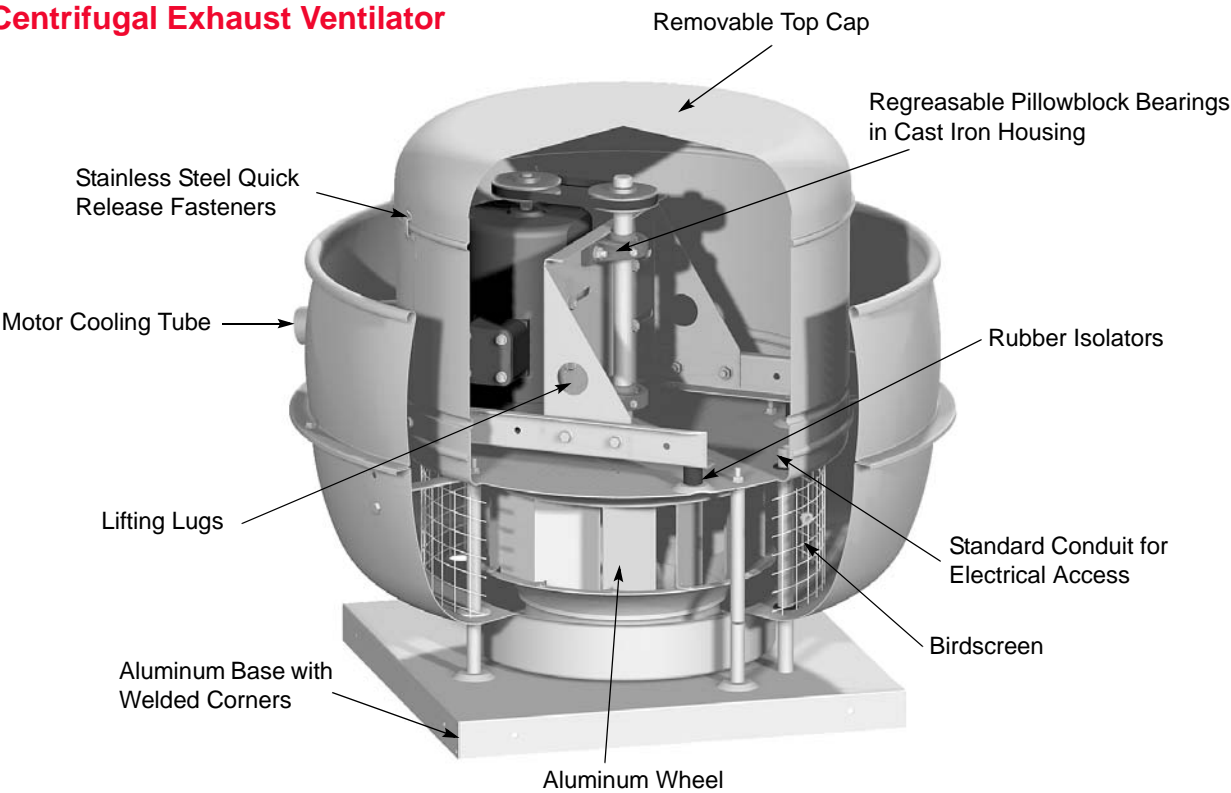


CONSTRUCTION FEATURES

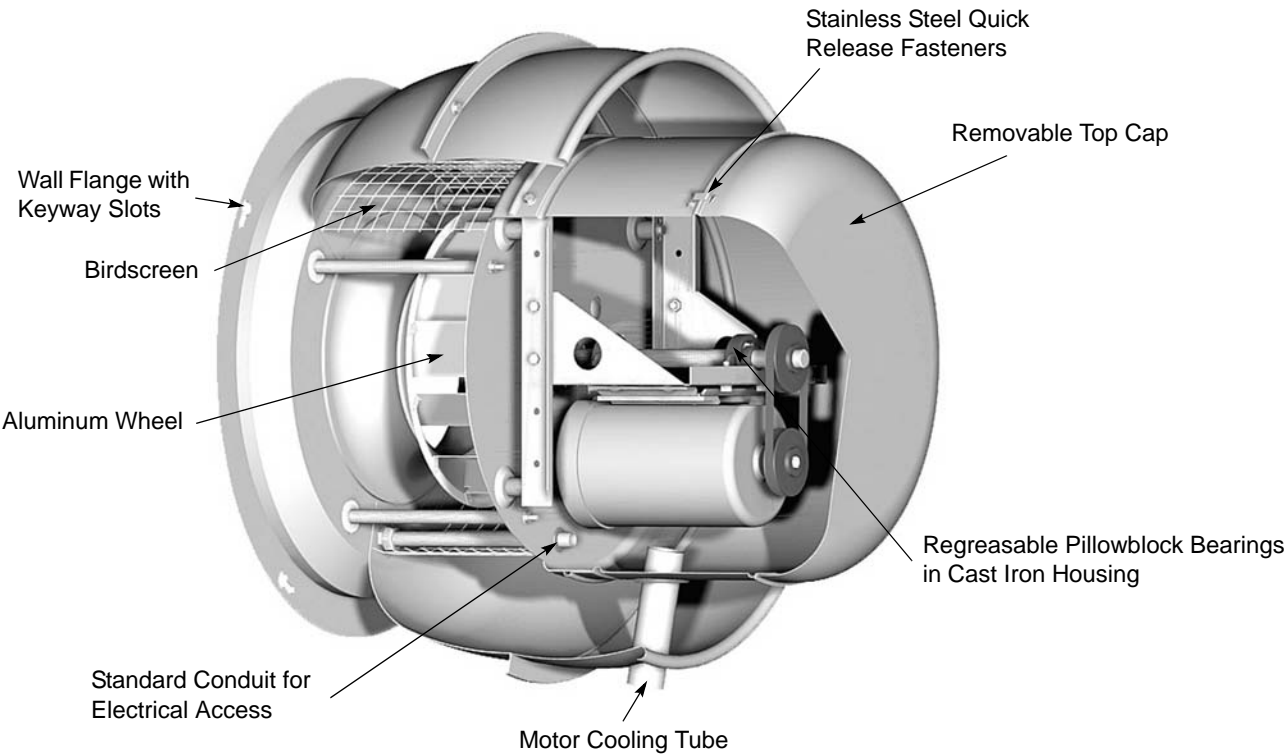
ACEB
Downblast Centrifugal Exhaust Ventilator



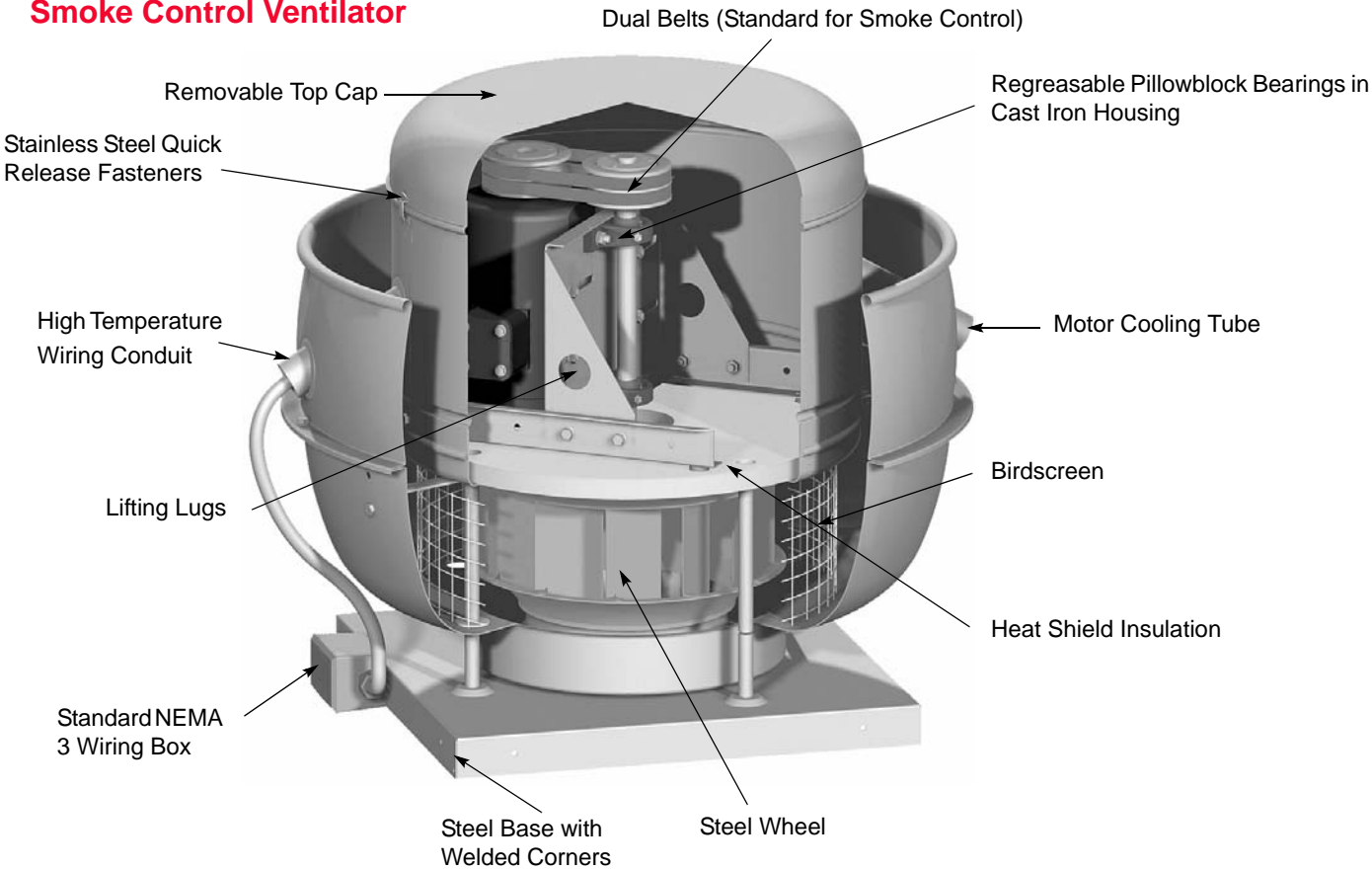
ACRUB
Upblast Centrifugal Exhaust Ventilator



ACWB
Wall Mount Centrifugal Exhaust Ventilator



ACSC
Smoke Control Ventilator



Downblast Centrifugal Exhaust Ventilator Roof Mounted Direct Drive

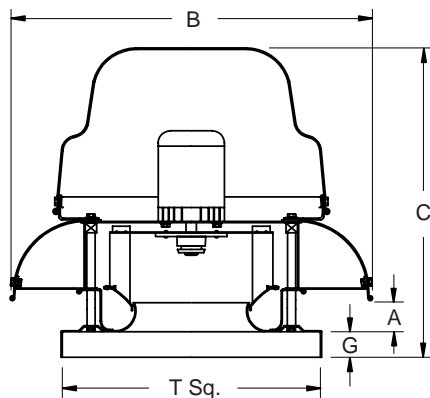


Loren Cook Company certifies that the ACED shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

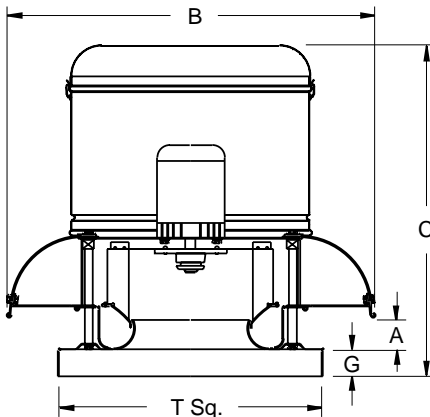


Type ACED is furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT).

Sizes 70 - 100



Sizes 120 - 180



Description - Fan shall be a spun aluminum, roof mounted, direct driven, downblast centrifugal exhaust ventilator.

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 spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have continuously welded curb cap corners for maximum leak protection. The discharge baffle shall have a rolled bead for added strength. An integral conduit chase shall be provided through the curb cap and into the motor compartment to facilitate wiring connections. The motor shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. 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.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. An aerodynamic aluminum inlet cone shall be provided for maximum performance and efficiency. Wheel 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 bearings and furnished at the specified voltage, phase and enclosure.

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

ACED Dimension Data

Size	A	B	C	G	T Sq.	Roof Opening Square*	Ship. Wt.
70	1-3/4	13-5/8	13-13/16	2	18	13-1/2	20
90	2-1/2	18-3/4	16-13/16	2	18	13-1/2	28
100	2-1/2	18-3/4	16-13/16	2	18	13-1/2	30
120	1-7/16	28-7/16	26-9/16	2	20	15-1/2	67
135	1-15/16	28-7/16	27-1/16	2	20	15-1/2	72
150	2-13/16	32-7/8	28-11/16	2	24	19-1/2	87
165	3-5/16	32-7/8	29-3/16	2	24	19-1/2	90
180	3-5/16	37-11/16	33-15/16	3	30	25-1/2	102

All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds.

Description - Fan shall be a spun aluminum, roof mounted, belt driven, downblast centrifugal exhaust ventilator.

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 spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have continuously welded curb cap corners for maximum leak protection. The discharge baffle shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An integral conduit chase shall be provided through the curb cap and into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly, isolated from the unit structure with rubber vibration isolators. These components shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. Lifting lugs shall be provided to help prevent damage from improper lifting. 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.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel 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 model ACEB as manufactured by Loren Cook Company of Springfield, Missouri.

ACEB Dimension Data

Size	A	B	C	G	T Sq.	Roof Opening Square*	Ship. Wt.
60	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
70	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
80	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
100	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
120	1-13/16	28-7/16	26-7/8	2	20	15-1/2	55
135	2-3/16	28-7/16	27-1/4	2	20	15-1/2	60
150	3-1/16	32-7/8	28-7/8	2	24	19-1/2	70
165	3-9/16	32-7/8	29-3/8	2	24	19-1/2	75
180	3-15/16	37-11/16	34-1/2	3	30	25-1/2	90
195	4-7/16	37-11/16	35	3	30	25-1/2	100
210	4-3/4	43-5/8	37-1/4	3	30	25-1/2	200
225	4-7/8	43-5/8	37-3/8	3	30	25-1/2	220
245	6-1/8	47-5/8	39-7/8	3	30	25-1/2	240
270	6-1/8	47-5/8	39-7/8	3	36	31-1/2	260
300	7-1/16	52-5/8	49-1/16	3	36	31-1/2	300
330	7-5/16	52-5/8	49-5/16	3	42	37-1/2	365
365	8-1/16	62-5/8	51-9/16	3	42	37-1/2	380
402	10-1/16	62-5/8	53-9/16	3	48	43-1/2	440
445	9-3/4	75-3/16	57-1/16	3	54	49-1/2	500
490	11-1/2	75-3/16	58-13/16	3	54	49-1/2	650
540	12-1/2	81-15/16	60-5/16	3	66	61-1/2	858

All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds, less motor.

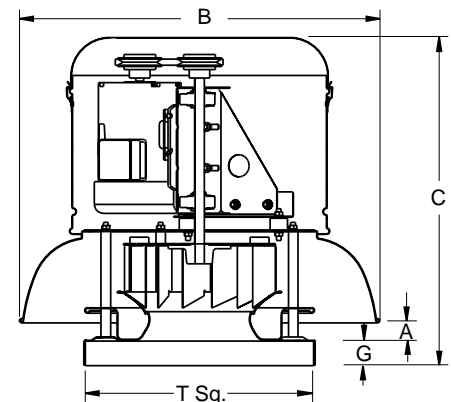
Downblast Centrifugal Exhaust Ventilator Roof Mounted Belt Drive



Loren Cook Company certifies that the ACEB 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.



Type ACEB is furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT) when furnished with factory supplied motor.



Upblast Centrifugal Exhaust Ventilator Roof Mounted Direct Drive

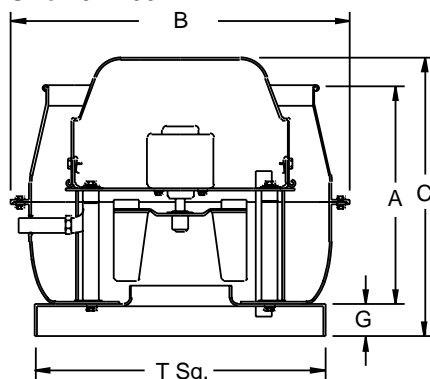


Loren Cook Company certifies that the ACRUD, ACRUD-HP and ACRUD-XP shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings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

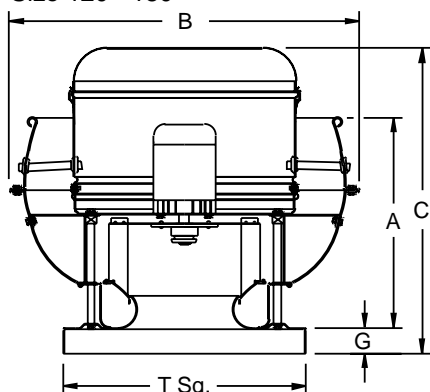


Type ACRUD, ACRUD-HP and ACRUD-XP are furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT).

Size 70 - 100



Size 120 - 180



Description - Fan shall be a spun aluminum, roof mounted, direct driven, upblast centrifugal exhaust ventilator.

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 spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have a one piece inlet spinning and continuously welded curb cap corners for maximum leak protection. The windband shall have a rolled bead for added strength. An integral conduit chase shall be provided into the motor compartment to facilitate wiring connections. The motor shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. 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.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. An aerodynamic aluminum inlet cone shall be provided for maximum performance and efficiency. Wheel 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 bearings and furnished at the specified voltage, phase and enclosure.

Product - Fans shall be models ACRUD, ACRUD-HP or ACRUD-XP as manufactured by Loren Cook Company of Springfield, Missouri.

ACRUD Dimension Data

Size	A	B	C			G	T Sq.	Roof Opening Square*	Ship. Wt.
			ACRUD	ACRUD-HP	ACRUD-XP				
70	10-3/4	17-1/8	13-3/8	-	-	2	18	13-1/2	20
90	13-1/4	21-1/8	16-3/8	-	-	2	18	13-1/2	28
100	13-1/4	21-1/8	16-3/8	-	-	2	18	13-1/2	30
120	19-1/16	30-3/16	28-1/8	-	-	2	20	15-1/2	67
135	19-1/16	30-3/16	28-5/8	-	-	2	20	15-1/2	72
150	20-15/16	34-11/16	30-1/4	27-1/2	-	2	24	19-1/2	87
165	20-15/16	34-11/16	30-3/4	27-3/4	26-11/16	2	24	19-1/2	90
180	24-13/16	39-7/16	35-7/8	33-3/8	31-7/16	3	30	25-1/2	102
195	24-13/16	19-7/16	-	33-1/2	32-1/8	3	30	25-1/2	110

All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds.

Description - Fan shall be a spun aluminum, roof mounted, belt driven, upblast centrifugal exhaust ventilator.

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 spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have a one piece inlet spinning and continuously welded curb cap corners for maximum leak protection. The windband shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An integral conduit chase shall be provided into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly, isolated from the unit structure with rubber vibration isolators. These components shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. Lifting lugs shall be provided to help prevent damage from improper lifting. 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.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel 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 - Fans shall be models ACRUB, ACRUB-HP or ACRUB-XP as manufactured by Loren Cook Company of Springfield, Missouri.

Upblast Centrifugal Exhaust Ventilator Roof Mounted Belt Drive



Loren Cook Company certifies that the ACRUB, ACRUB-HP and ACRUB-XP 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.

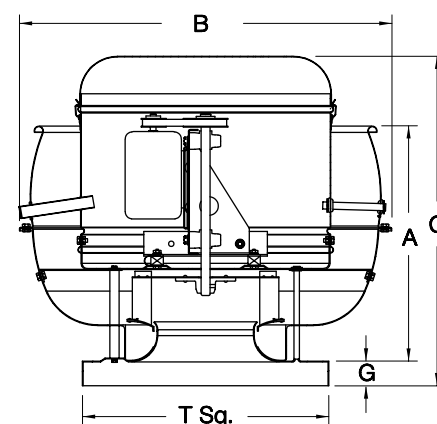


Type ACRUB, ACRUB-HP and ACRUB-XP are furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT) when furnished with factory supplied motor.

ACRUB Dimension Data

Size	A	B	C			G	T Sq.	Roof Opening Square*	Ship. Wt.
			ACRUB	ACRUB-HP	ACRUB-XP				
100	12-1/2	25-1/4	20-3/16	-	-	2	18	13-1/2	30
120	19-1/16	30-3/16	28-1/4	-	-	2	20	15-1/2	61
135	19-1/16	30-3/16	28-5/8	-	-	2	20	15-1/2	66
150	20-15/16	34-11/16	30-1/4	27-1/2	-	2	24	19-1/2	77
165	20-15/16	34-11/16	30-3/4	27-3/4	26-11/16	2	24	19-1/2	83
180	24-13/16	39-7/16	35-7/8	33-3/8	31-9/16	3	30	25-1/2	100
195	24-13/16	39-7/16	36-3/8	33-1/2	32-1/8	3	30	25-1/2	110
210	25-15/16	45-1/4	38-3/8	35-3/8	32-3/4	3	30	25-1/2	220
225	25-15/16	45-1/4	38-1/8	35-1/2	33-5/16	3	30	25-1/2	242
245	28-1/2	49-1/4	41-1/16	37-5/16	34-1/16	3	30	25-1/2	264
270	28-1/2	49-1/4	41-1/16	37-5/16	35	3	36	31-1/2	286
300	33-7/8	54-1/4	49-15/16	45-15/16	41-7/16	3	36	31-1/2	336
330	34-1/8	54-1/4	50-7/16	46-11/16	43-1/8	3	42	37-1/2	374
365	36-3/8	64-1/4	52-7/16	48-7/16	44-1/4	3	42	37-1/2	420
402	37-7/8	64-1/4	54-11/16	-	-	3	48	43-1/2	484
445	31-5/8	76-1/4	57-3/16	-	-	3	54	49-1/2	556
490	33-3/8	76-1/4	58-1/16	-	-	3	54	49-1/2	715

All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds, less motor.



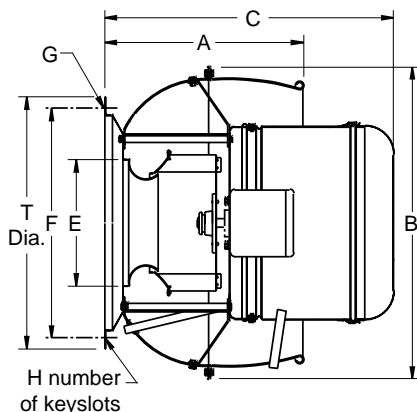
Centrifugal Exhaust Ventilator Wall Mounted Direct Drive



Loren Cook Company certifies that the ACWD, ACWD-HP and ACWD-XP 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.



Type ACWD, ACWD-HP and ACWD-XP are furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT).



Description - Fan shall be a spun aluminum, wall mounted, direct driven, horizontal centrifugal exhaust ventilator.

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 spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The spun aluminum wall flange shall have pre-punched keyslot holes and a mounting template with wall opening location for ease of installation. The windband shall have a rolled bead for added strength. An integral conduit chase shall be provided into the motor compartment to facilitate wiring connections. The motor shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. 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.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. An aerodynamic aluminum inlet cone shall be provided for maximum performance and efficiency. Wheel 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 bearings and furnished at the specified voltage, phase and enclosure.

Product - Fans shall be models ACWD, ACWD-HP or ACWD-XP as manufactured by Loren Cook Company of Springfield, Missouri.

ACWD Dimension Data

Size	A	B	C			E		F	G	H	T Dia.	Ship. Wt.
			ACWD	ACWD-HP	ACWD-XP	Wall Opening Square	Wall Opening Round					
70	12-1/8	17-1/8	13	-	-	8	8	14-1/4	3/8	4	15-1/2	20
90	14-7/8	21-1/8	16	-	-	10	10	19-3/4	3/8	4	21-1/4	28
100	14-7/8	21-1/8	16	-	-	10	10	19-3/4	3/8	4	21-1/4	30
120	18-7/16	30-3/16	28-1/4	-	-	12	12	23-1/2	3/8	4	25	67
135	18-7/16	30-3/16	28-3/4	-	-	12	12	23-1/2	3/8	4	25	72
150	20-1/16	34-11/16	30-3/8	27-5/8	-	16	14	28-1/2	3/8	8	30	87
165	20-1/16	34-11/16	30-7/8	27-7/8	26-13/16	16	14	28-1/2	3/8	8	30	90
180	22-11/16	39-7/16	35-5/8	33-1/8	31-5/16	20	18	34-1/2	3/8	8	36	102
195	22-11/16	39-7/16	-	33-1/4	31-7/8	20	22	34-1/2	3/8	8	36	110

All dimensions in inches. Weights in pounds.

Description - Fan shall be a spun aluminum, wall mounted, belt driven, horizontal centrifugal exhaust ventilator.

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 spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The spun aluminum wall flange shall have pre-punched keyslot holes and a mounting template with wall opening location for ease of installation. The windband shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An integral conduit chase shall be provided into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly. These components shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. Lifting lugs shall be provided to help prevent damage from improper lifting. 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.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel 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 - Fans shall be models ACWB, ACWB-HP or ACWB-XP as manufactured by Loren Cook Company of Springfield, Missouri.

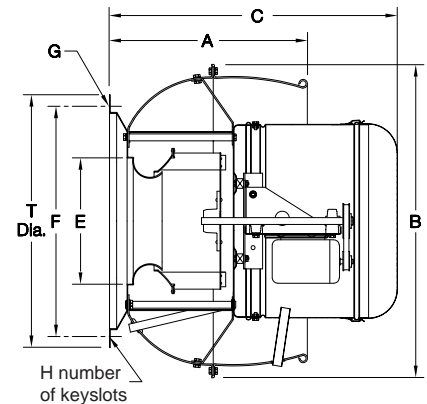
Centrifugal Exhaust Ventilator Wall Mounted Belt Drive



Loren Cook Company certifies that the ACWB, ACWB-HP and ACWB-XP 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.



Type ACWB, ACWB-HP and ACWB-XP are furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT) when furnished with factory supplied motor.



ACWB Dimension Data

Size	A	B	C			E Wall Opening		F	G	H	T Dia.	Ship. Wt.
			ACWB	ACWB-HP	ACWB-XP	Square	Round					
100	13	25-3/16	21-3/8	-	-	10	10	19-3/4	3/8	4	21-1/4	30
120	18-7/16	30-3/16	28-1/4	-	-	12	12	23-1/2	3/8	4	25	60
135	18-7/16	30-3/16	28-3/4	-	-	12	12	23-1/2	3/8	4	25	65
150	20-1/16	34-11/16	30-3/8	27-5/8	-	16	14	28-1/2	3/8	4	30	70
165	20-1/16	34-11/16	30-7/8	27-7/8	26-13/16	16	14	28-1/2	3/8	4	30	75
180	22-11/16	39-7/16	35-5/8	33-1/8	31-5/16	20	18	34-1/2	3/8	8	36	100
195	22-11/16	39-7/16	36-1/8	33-1/4	31-7/8	20	22	34-1/2	3/8	8	36	110
210	23-11/16	45-1/4	37-3/4	34-3/4	32-1/8	24	22	39-1/2	3/8	8	41	210
225	23-11/16	45-1/4	38-1/4	35-5/8	33-7/16	24	22	39-1/2	3/8	8	41	215
245	25-5/16	49-1/4	39-7/8	36-1/8	32-7/8	24	22	43-1/2	3/8	8	45	250

All dimensions in inches. Weights in pounds, less motor.

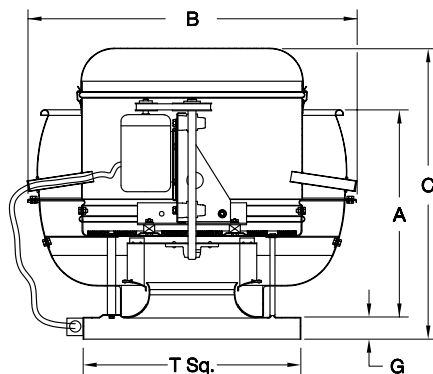
Upblast Centrifugal Smoke Control Ventilator Roof Mounted Belt Drive



Loren Cook Company certifies that the ACSC, ACSC-HP and ACSC-XP 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.



Type ACSC, ACSC-HP and ACSC-XP are furnished standard with UL listing for "Power Ventilator for Smoke Control Systems."



Description: Fan shall be a spun aluminum style, roof mounted, belt driven, high temperature upblast centrifugal exhaust ventilator.

Certifications: Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories as a "Power Ventilator for Smoke Control Systems" and UL listed as "Power Ventilator for Smoke Control Systems Certified for Canada". 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 spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The steel base shall have a one piece inlet spinning and continuously welded curb cap corners for maximum leak protection. The windband shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An external wiring compartment with integral conduit chase shall be provided into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly. These components shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. A one inch thick, three pound density foil backed heat shield shall be utilized to protect the motor and drive components from excessive heat. Lifting lugs shall be provided to help prevent damage from improper lifting. Unit shall be tested to operate at 500° F for 4 hours per IRI requirements and operate at 1000° F in excess of 15 minutes per SBCCI requirements. 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.

Wheel: Wheel shall be centrifugal backward inclined, constructed of steel, including a precision machined steel hub. Wheel inlet shall overlap an aerodynamic steel inlet cone to provide maximum performance and efficiency. Wheel 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: Fans shall be models ACSC, ACSC-HP or ACSC-XP as manufactured by Loren Cook Company of Springfield, Missouri.

ACSC Dimension Data

Size	A	B	C			G	T Sq.	Roof Opening Square*	Ship. Wt.
			ACSC	ACSC-HP	ACSC-XP				
100	12-1/2	25-1/4	20-3/16	-	-	2	18	13-1/2	36
120	19-1/16	30-3/16	28-1/4	-	-	2	20	15-1/2	69
135	19-1/16	30-3/16	28-5/8	-	-	2	20	15-1/2	75
150	20-15/16	34-11/16	30-1/4	27-1/2	-	2	24	19-1/2	88
165	20-15/16	34-11/16	30-3/4	27-3/4	26-11/16	2	24	19-1/2	96
180	24-13/16	39-7/16	35-7/8	33-3/8	31-9/16	3	30	25-1/2	114
195	24-13/16	39-7/16	36-3/8	33-1/2	32-1/8	3	30	25-1/2	126
210	25-15/16	45-1/4	38-3/8	35-3/8	32-3/4	3	30	25-1/2	239
225	25-15/16	45-1/4	38-1/8	35-1/2	33-5/16	3	30	25-1/2	267
245	28-1/2	49-1/4	41-1/16	37-5/16	34-1/16	3	30	25-1/2	294
270	28-1/2	49-1/4	41-1/16	37-5/16	35	3	36	31-1/2	322
300	33-7/8	54-1/4	49-15/16	45-15/16	41-7/16	3	36	31-1/2	397
330	34-1/8	54-1/4	50-7/16	46-11/16	43-1/8	3	42	37-1/2	441
365	36-3/8	64-1/4	52-7/16	48-7/16	44-1/4	3	42	37-1/2	499

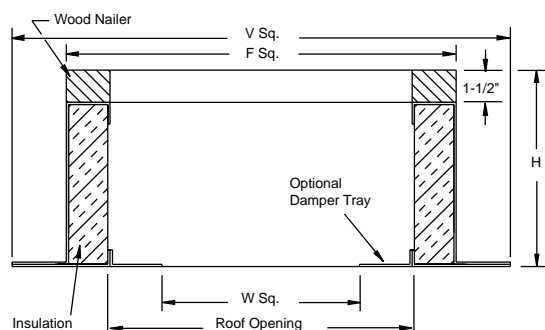
All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds.

Automatic Belt Tensioner



The automatic belt tensioner maintains constant tension on the drive belt which offers two distinct benefits. It reduces startup and maintenance costs by continuously tensioning the belt throughout its life and also increases belt life by reducing slippage. Available on sizes 120-165.

Roof Curb



Standard Construction Features

- 18 gauge galvanized steel (RCG) or .080 aluminum (RCA).
- 1-1/2", 3 lbs. density thermal and acoustical insulation.
- Continuously welded corners.
- Wood nailer.

Options

- Damper tray.
- No wood nailer (deduct 1-1/2" for actual height).
- 13-1/2" tall construction.

Galvanized Steel or Aluminum Roof Curb Dimension Data

AC Unit	Catalog Number		F Sq.	H	V Sq.	W Sq.	Roof Opening
	Galvanized	Aluminum					
60, 70, 80, 90, 100	RCG-16	RCA-16	16-1/2	9-1/2	20-1/2	9-3/4	13-1/2
120, 135	RCG-18	RCA-18	18-1/2	9-1/2	22-1/2	11-3/4	15-1/2
150, 165	RCG-22	RCA-22	22-1/2	9-1/2	26-1/2	15-3/4	19-1/2
180, 195, 210, 225, 245	RCG-28	RCA-28	28-1/2	9-1/2	32-1/2	21-3/4	25-1/2
270, 300	RCG-34	RCA-34	34-1/2	9-1/2	38-1/2	27-3/4	31-1/2
330, 365	RCG-40	RCA-40	40-1/2	9-1/2	44-1/2	33-3/4	37-1/2
402	RCG-46	RCA-46	46-1/2	9-1/2	50-1/2	39-3/4	43-1/2
445, 490	RCG-52	RCA-52	52-1/2	9-1/2	56-1/2	45-3/4	49-1/2
540	RCG-64	RCA-64	64-1/2	9-1/2	68-1/2	56-3/4	61-1/2

All dimensions in inches. When motor operated damper is used, a wood nailer is required.

Sound Attenuator Curb Dimension Data

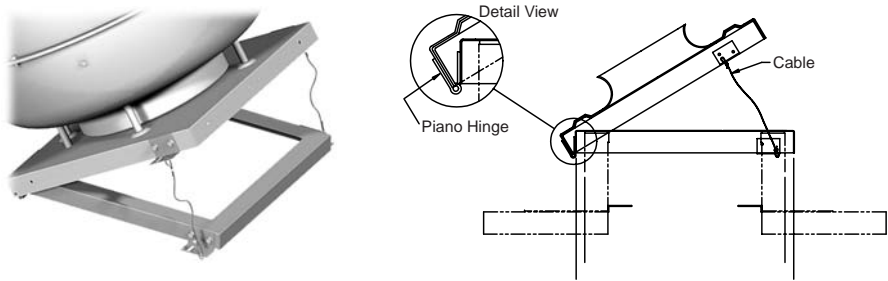
AC Unit	Catalog Number		F Sq.	H*	V Sq.	W Sq.	Roof Opening
	Galvanized	Aluminum					
60, 70, 80, 90, 100	RCG-AT-16	RCA-AT-16	16-1/2	16	20-1/2	9-3/4	13-1/2
120, 135	RCG-AT-18	RCA-AT-18	18-1/2	16	22-1/2	11-3/4	15-1/2
150, 165	RCG-AT-22	RCA-AT-22	22-1/2	16	26-1/2	15-3/4	19-1/2
180, 195, 210, 225, 245	RCG-AT-28	RCA-AT-28	28-1/2	16	32-1/2	21-3/4	25-1/2
270, 300	RCG-AT-34	RCA-AT-34	34-1/2	16	38-1/2	27-3/4	31-1/2
330, 365	RCG-AT-40	RCA-AT-40	40-1/2	16	44-1/2	33-3/4	37-1/2
402	RCG-AT-46	RCA-AT-46	46-1/2	16	50-1/2	39-3/4	43-1/2
445, 490	RCG-AT-52	RCA-AT-52	52-1/2	16	56-1/2	45-3/4	49-1/2
540	RCG-AT-64	RCA-AT-64	64-1/2	16	68-1/2	56-3/4	61-1/2

All dimensions in inches. When motor operated damper is used, a wood nailer is required. *Add 8" when installed with a damper.

Average Sound Level Reduction

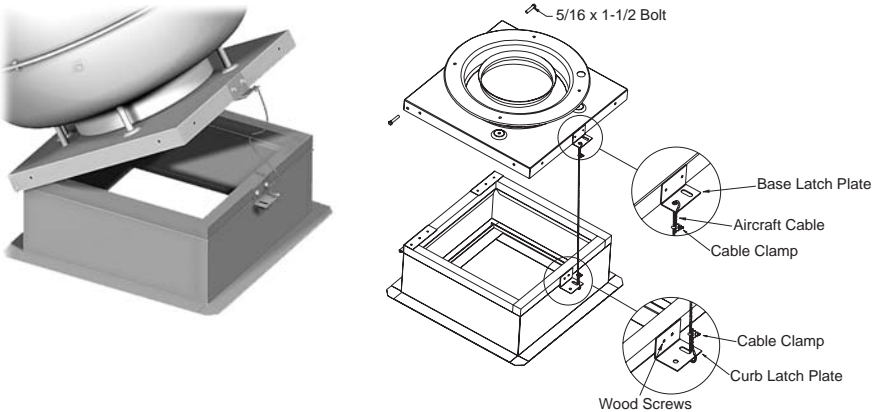
OB1	OB2	OB3	OB4	OB5	OB6	OB7	OB8
-5	-11	-9	-14	-18	-28	-35	-25

Hinged Base



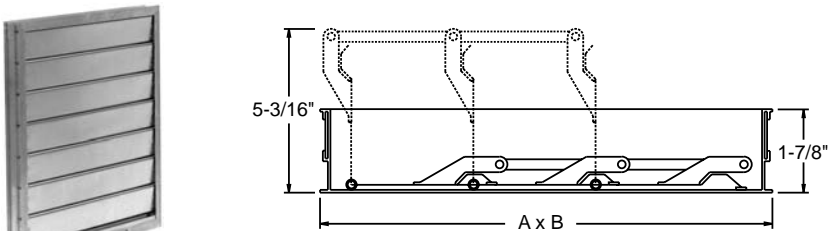
The hinged base is a factory welded sub-base, hinge and locking hasp that provides a secure and stable means of access to the inlet and interior ductwork for cleaning and inspection. Galvanized aircraft cable is installed on the hinged base to support the fan in an open position. Available on sizes 100 through 300, consult factory on larger sizes.

Hinged Base Kit



The hinged base kit is a field installed option which provides a lockable, hinged connection between the fan and curb. This allows easy access to the wheel and inlet of the fan as well as the interior ductwork. The kit includes two hinge plates, two latch plates, hinge bolts, aircraft cable and clamps. Available on sizes 100 through 300, consult factory on larger sizes.

Gravity Backdraft Damper - ACE /ACRU

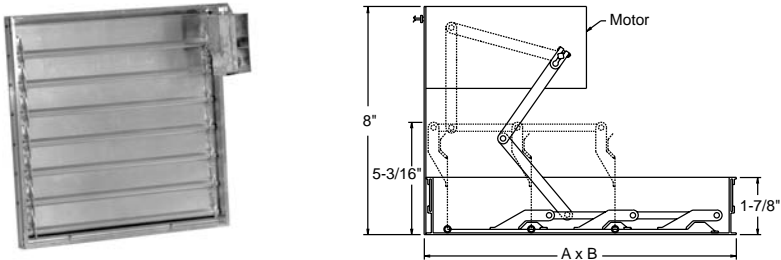


Gravity dampers feature an extruded aluminum frame, aluminum blades and aluminum hinge pins with nylon bushings. Not available with the ACSC.

Unit Size	Catalog Number	E Sq.
60, 70, 80, 90, 100	BD-12	11-3/4
120, 135	BD-14	13-3/4
150, 165	BD-18	17-3/4
180, 195, 210, 225, 245	BD-24	23-3/4
270, 300	BD-30	29-3/4
330, 365	BD-36	35-3/4
402	BD-42	41-3/4
445, 490	BD-48	47-3/4
540	BD-60	59-3/4

All dimensions in inches.

Motorized Backdraft Damper - ACE /ACRU

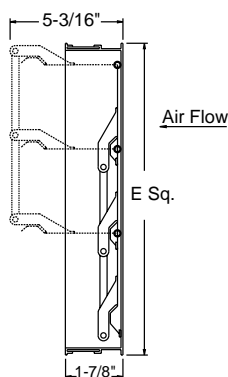


Motorized dampers feature an extruded aluminum frame, aluminum blades and aluminum hinge pins with nylon bushings. Motors are shipped loose for field installation. Available voltages include 110V, 220V, and 440V. Not available with the ACSC.

Unit Size	Catalog Number	E Sq.
60, 70, 80, 90, 100	BDM-12	11-3/4
120, 135	BDM-14	13-3/4
150, 165	BDM-18	17-3/4
180, 195, 210, 225, 245	BDM-24	23-3/4
270, 300	BDM-30	29-3/4
330, 365	BDM-36	35-3/4
402	BDM-42	41-3/4
445, 490	BDM-48	53-3/4
540	BDM-60	59-3/4

All dimensions in inches.

Gravity Backdraft Damper - ACW

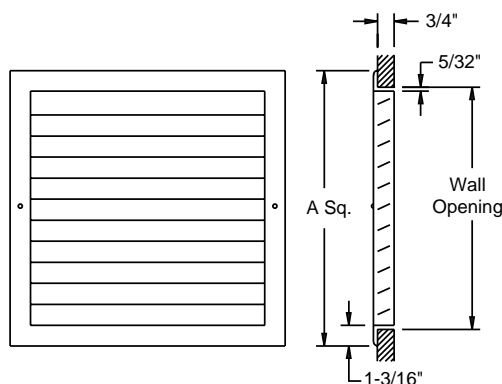


Gravity dampers feature an extruded aluminum frame, aluminum blades and aluminum hinge pins with nylon bushings.

Unit Size	Catalog Number	E Sq.
70	BD-8	7-3/4
90, 100	BD-10	9-3/4
120, 135	BD-12	11-3/4
150, 165	BD-16	15-3/4
180, 195	BD-20	19-3/4
210, 225, 245	BD-24	23-3/4

All dimensions in inches.

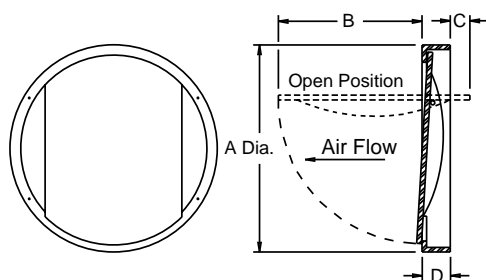
Square Inlet Grille - ACW



Unit Size	Catalog Number	A Sq.	Wall Opening	Damper	
				Model	Size
70	SG-8	10	8	BD-8	7-3/4
90, 100	SG-10	12	10	BD-10	9-3/4
120, 135	SG-12	14	12	BD-12	11-3/4
150, 165	SG-16	18	16	BD-16	15-3/4
180, 195	SG-20	22	20	BD-20	19-3/4
210, 225, 245	SG-24	26	24	BD-24	23-3/4

All dimensions in inches.

Damper - ACW

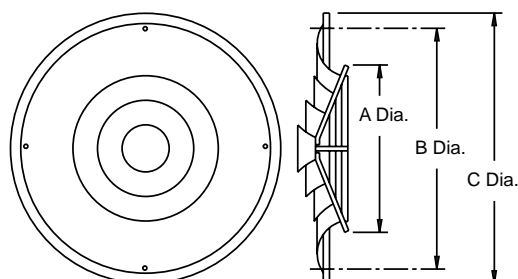


Gravity dampers feature an aluminum frame, aluminum blades and aluminum hinge pins with nylon bushings.

Unit Size	Catalog Number	A Dia.	B	C	D	No. of Blades
70	D-8	7-15/16	4-1/2	2	3/4	1
90, 100	D-10	9-15/16	5-3/4	2-3/4	3/4	1
120, 135	D-12	11-15/16	7	3	3/4	1
150, 165	D-14	13-15/16	8-1/2	4	3/4	1
180	D-18	17-15/16	4	3	3/4	2
195, 210, 225, 245	D-22	21-15/16	5-1/2	2-1/2	1	3

All dimensions in inches.

Round Inlet Grille - ACW



Unit Size	Catalog Number	A Dia.	B Dia. Mtg. Hole	C Dia.
70	G-8	7-3/4	8-1/2	12
90, 100	G-10	9-13/16	10-9/16	14
120, 135	G-12	11-13/16	12-9/16	16
150, 165	G-14	13-13/16	14-9/16	18
180	G-18	17-13/16	21-3/4	23

All dimensions in inches.

Typical Disconnect Switches



NEMA 1



NEMA 1
(Lockable)



NEMA 1
(Heavy Duty)



NEMA 3R



NEMA 4



NEMA 7
NEMA 9

NEMA 1 - Indoor general purpose.

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

NEMA 1 (Heavy Duty, Lockable) - Indoor heavy duty visible blade.

NEMA 3R - Exterior mount, rain-tight.

NEMA 4 - Water-tight and dust-tight.

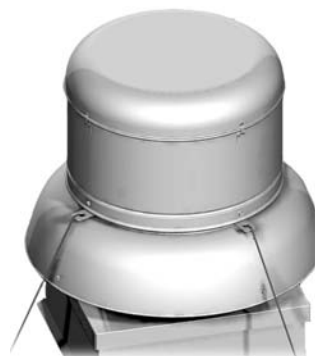
NEMA 7 and NEMA 9 - Lockable, indoor, explosion proof.

Extended Lube Lines



Extended lube lines provide a quick and convenient way to lubricate the bearings while the fan is operating.

Tie Downs

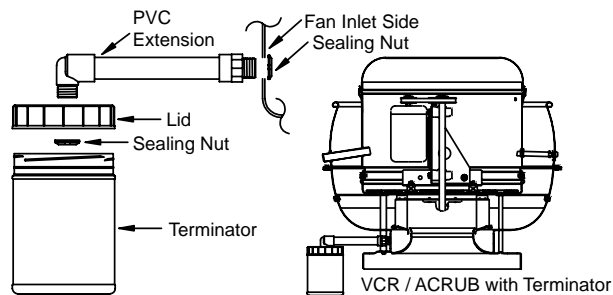
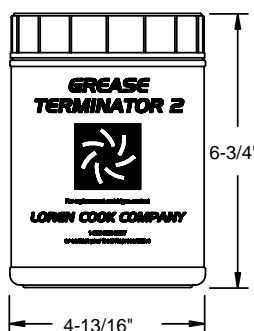


Tie downs offer locations for field attachment of the fan to the roof deck or supporting structure. The tie down points help protect against high windloads.

Grease Terminator - ACRU/ACW



The Grease Terminator 2 is a grease-capture and containment system.



Fan Speed Control



5 AMP FSC

10 AMP FSC

Cook's FSC is a variable speed controller which can offer excellent energy conservation and lower sound levels when 100 percent of a direct drive fan operating capacity is not required. The FSC employs solid state circuitry for long life and dependability. The FSC is available only on 115V and 230V shaded pole or permanent split capacitor direct drive motors and is not available on 1140 RPM and 1725 RPM motors. The FSC is normally shipped loose for field installation. Optional pre-wiring is available.

Motors

Direct Drive

All direct drive motors are standard single phase 115-volt.

- Sizes 70 through 100 are either shaded pole or permanent split capacitor type motors.
- Sizes 120 through 180 are either permanent split capacitor (1075, 1300, or 1550 rpm motors) or split phase (1140 or 1725 rpm motors).
- FSC can only be used on either shaded pole or permanent split capacitor type motors.

Optional motors:

- Two speed, single-phase open motors supplied as 1725 RPM motors are 1725/1140, or 1140 RPM motors are 1140/860.
- Explosion proof motors are available for some units, contact factory for details.
- These optional motors cannot use an FSC.

Belt Drive

Single-phase motors:

- Open drip motors from 1/6 to 1-1/2 HP.
- Two-speed, motors in 1725/1140RPM, from 1/6 to 1 HP.
- TEFC and Class 1, Group D, explosion proof motors from 1/4 to 1 HP.

Three-phase motors:

- Three-phase ODP motors from 1/4 to 10 HP.
- Two-speed, two winding motors in 1725/1140 RPM, from 1/3 to 5 HP.
- TEFC and Class 1, Group D, explosion proof motors from 1/4 to 10 HP.
- Variable Frequency Drive (VFD) compatible motors are available, contact factory for details.

All single-phase and three-phase, single speed, open drip motors listed in performance tables are shipped factory installed.

Optional 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.

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.

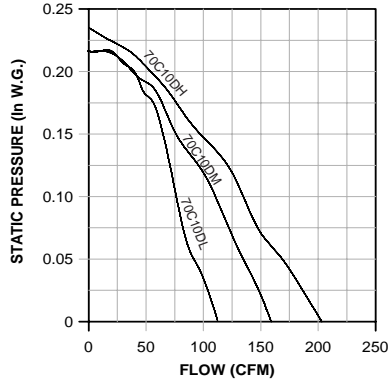
Air Dry Phenolic (Heresite VR-504) is a conventional spray applied phenolic resin coating. Final coating thickness is 4 - 6 mils. For outdoor applications an optional UV resistant topcoat (Heresite UC-5500) is required to prevent deterioration of the coating.

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.

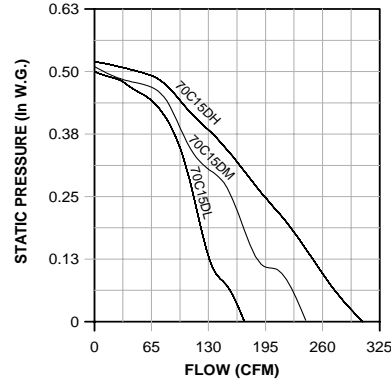
Cook Type A Construction

Cook Type A construction option gives an AC unit superior corrosion resistance. The fan shaft and all steel fasteners exposed to the exterior environment are furnished with 304 stainless steel components. All other steel components exposed to the exterior environment are furnished with aluminum components. This option should not be interpreted to be an indication of spark resistance. Not available on ACSC.

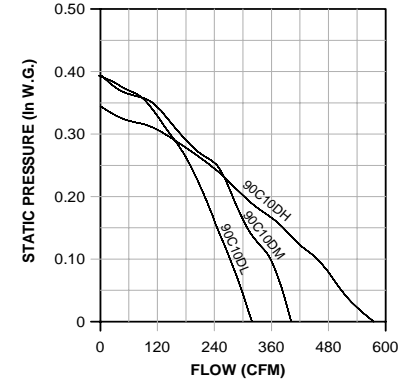
70C10DH, 70C10DM, 70C10DL



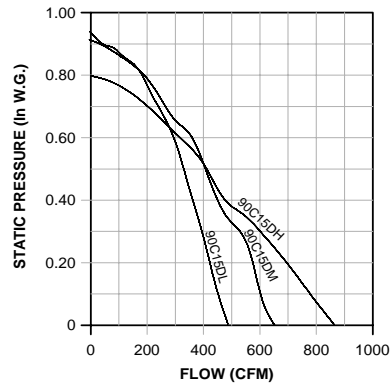
70C15DH, 70C15DM, 70C15DL



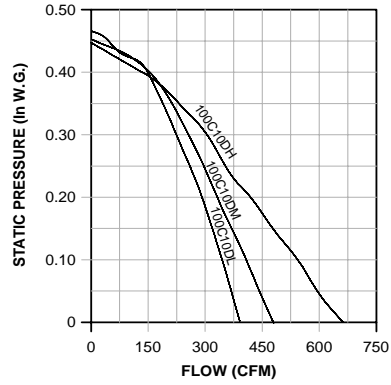
90C10DH, 90C10DM, 90C10DL



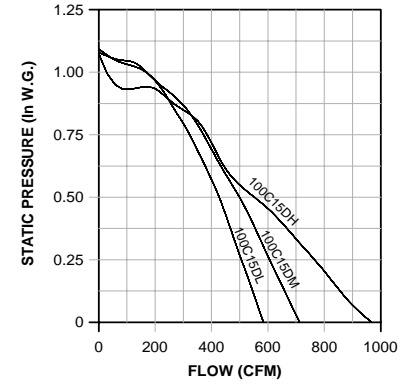
90C15DH, 90C15DM, 90C15DL



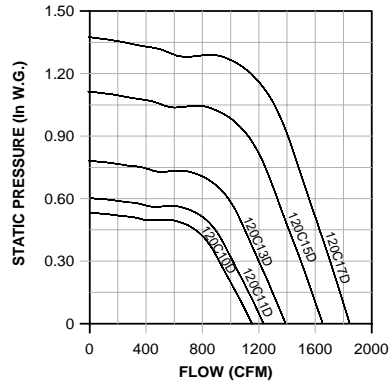
100C10DH, 100C10DM, 100C10DL



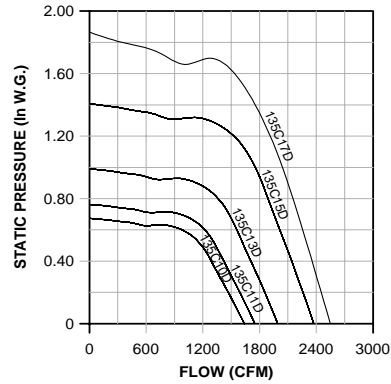
100C15DH, 100C15DM, 100C15DL



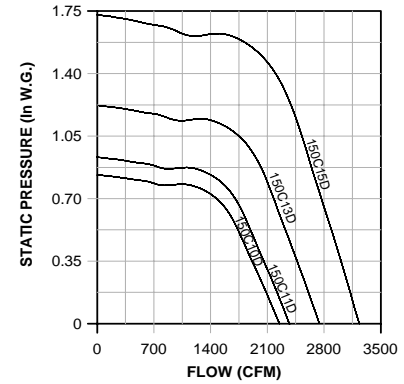
120C10D, 120C11D, 120C13D, 120C15D, 120C17D



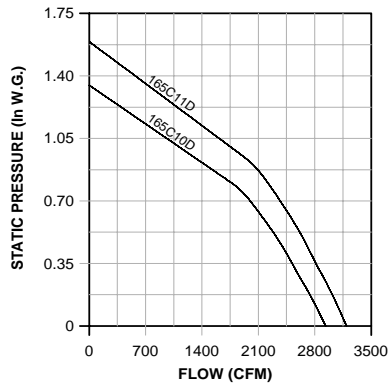
135C10D, 135C11D, 135C13D, 135C15D, 135C17D



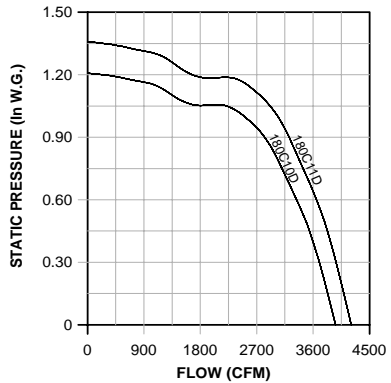
150C10D, 150C11D, 150C13D, 150C15D



165C10D, 165C11D



180C10D, 180C11D



Performance certified is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. Speed (RPM) shown for models 70 - 100 and 165 is nominal. Performance is based on actual speed of test. Speed (RPM) for all other models is constant and based on actual speed of test. 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. *Motor is a 2-speed 1300/1550 RPM motor.

Catalog Number	Mtr. HP	Fan RPM	Tip Speed	Max. Watts	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
					Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
70C10DL	1/25	1160	2123	72	113		71																			
					4.3		3.2																			
70C10DM		1150	2105	73	158		94																			
					5.1		4.6																			
70C10DH		1050	1922	73	203		121																			
					3.0		2.9																			
70C15DL	1/20	1700	3112	86	171		131		113		91															
					5.5		5.0		4.8		4.7															
70C15DM		1670	3057	92	242		187		157		102															
					5.9		5.6		5.2		4.6															
70C15DH		1550	2837	96	305		249		194		135															
					5.2		5.2		5.1		5.0															
90C10DL	1/25	1125	2655	83	322		262		191																	
					5.0		4.5		4.4																	
90C10DM		1100	2596	88	398		328		241																	
					5.7		5.1		5.0																	
90C10DH		1050	2478	91	575		416		231																	
					5.0		5.1		4.7																	
90C15DL	1/8	1715	4047	95	489		445		410		372		331		283		210									
					8.7		8.4		8.1		7.8		7.3		6.9		6.4									
90C15DM		1670	3841	125	658		600		564		469		412		343		237									
					9.5		9.0		8.5		8.5		7.9		7.4		7.0									
90C15DH		1550	3658	148	865		759		650		509		411		289		131									
					9.1		9.1		8.9		8.4		8.0		7.6		7.2									
100C10DL	1/25	1100	2882	91	388		329		256		166															
					6.7		5.8		5.5		5.7															
100C10DM		1075	2817	96	478		389		295		186															
					6.9		6.7		6.6		5.8															
100C10DH		1050	2751	99	663		511		353		191															
					5.9		6.0		5.5		5.4															
100C15DL	1/8	1665	4362	125	583		545		505		467		427		377		321		254		164					
					11.3		11.1		10.9		10.6		10.3		10.0		9.8		9.5		9.2					
100C15DM		1625	4258	146	712		658		605		554		498		432		370		292		168					
					11.2		11.0		10.8		10.6		10.5		10.1		9.8		9.4		9.1					
100C15DH		1550	4061	194	967		856		766		667		552		444		384		265							
					11.0		11.0		10.8		10.7		10.5		10.4		10.2		10.1							
120C10D	1/6	1075	3376	-	1152		1058		958		855															
					6.3	.08	6.2	.08	6.0	.09	5.7	.09														
120C11D	1/6	1140	3581	-	1221		1133		1040		946		807		807											
					7.4	.09	7.4	.09	7.3	.10	6.9	.11	6.5	.11	6.5	.11										
120C13D	1/4*	1300	4084	-	1393		1316		1236		1152		1070		956											
					9.6	.13	9.6	.14	9.5	.15	9.2	.16	8.9	.16	8.5	.16										
120C15D		1550	4869	-	1661		1596		1531		1463		1392		1324		1252		1154		959					
					12.4	.23	12.4	.23	12.4	.24	12.2	.25	12.0	.26	11.6	.27	11.3	.27	10.9	.27	10.6	.25				
120C17D	1/3	1725	5417	-	1848		1790		1732		1672		1610		1547		1485		1423		1349		1039			
					14.8	.31	14.8	.32	14.8	.33	14.7	.34	14.5	.35	14.3	.36	14.0	.37	13.7	.37	13.3	.37	12.8	.34		
135C10D	1/6	1075	3795	-	1640		1535		1424		1313		1187													
					8.2	.14	8.2	.14	8.1	.15	7.7	.16	7.4	.16												
135C11D	1/6	1140	4029	-	1739		1640		1537		1431		1324		1165		1324									
					9.5	.16	9.5	.17	9.4	.18	9.1	.19	8.7	.19	8.4	.19	8.7	.19								
135C13D	1/2*	1300	4595	-	1983		1897		1808		1715		1622		1530		1414		1194							
					12.2	.24	12.2	.25	12.2	.26	12.0	.27	11.7	.28	11.3	.28	11.0	.28	10.6	.27						
135C15D		1550	5478	-	2364		2292		2219		2144		2066		1987		1910		1833		1744					
					15.8	.41	15.8	.42	15.8	.43	15.7	.44	15.5	.46	15.3	.48	14.5	.48	14.6	.48	14.3	.48				
135C17D	3/4	1725	6089	-	2539		2479		2418		2358		2297		2234		2171		2104		2033		1865		1645	
					19.2	.63	19.2	.64	19.2	.65	19.2	.67	19.0	.68	18.8	.70	18.7	.71	18.4	.73	18.0	.74	17.4	.75	16.8	.74
150C10D	1/3	1075	4225	-	2249		2133		2013		1887		1764		1617		1306									
					10.4	.23	10.4	.24	10.3	.25	10.0	.27	9.7	.27	9.3	.27	8.9	.26								
150C11D	1/3	1140	4477	-	2385		2276		2164		2045		1928		1808		1640		1187							
					11.8	.27	11.8	.28	11.8	.30	11.6	.31	11.2	.33	10.8	.32	10.5	.32	10.1	.28						
150C13D	3/4*	1300	5105	-	2720		2624		2527		2427		2322		2219		2117		2000		1828					
					15.3	.41	15.3	.42	15.3	.43	15.1	.45	14.9	.47	14.5	.48	14.1	.48	13.8	.48	13.4	.48				
150C15D		1550	6087	-	3243		3163		3082		3000		2916		2829		2741		2655		2570		2379		2038	
					19.6	.69	19.6	.70	19.6	.71	19.6	.73	19.4	.75	19.2	.78	19.0	.80	18.6	.82	18.3	.82	17.6	.81	17.1	.80
165C10D	1/3	1050	4644	-	2935		2799		2644		2489		2321		2125		1902									
					12.1	.41	12.1	.41	12.0	.42	11.9	.42	11.5	.43	11.2	.43	10.8	.43								
165C11D	3/4	1140	4924	-	3187		3062		2925		2777		2636		2470		2636		2082		1754					
					14.4	.52	14.4	.52	14.4	.53	14.2	.54	14.0	.54	13.6	.55	14.0	.54	12.8	.55	12.5	.53				
180C10D	3/4	1075	5066	-	3958		3853		3745		3625		3481		3299		3481		2883		2502					
					15.8	.62	15.8	.64	15.8	.66	15.4	.68	15.0	.70	14.1	.71	15.0	.70	12.7	.71	12.0	.68				
180C11D	3/4	1140	5369	-	4197		4099		3997		3888		3764		3610		3429		3245		3025					
					17.3	.74	17.3	.76	17.3	.78	16.9	.80	16.5	.82	15.9	.84	15.2	.85	14.4	.85	13.7	.84				

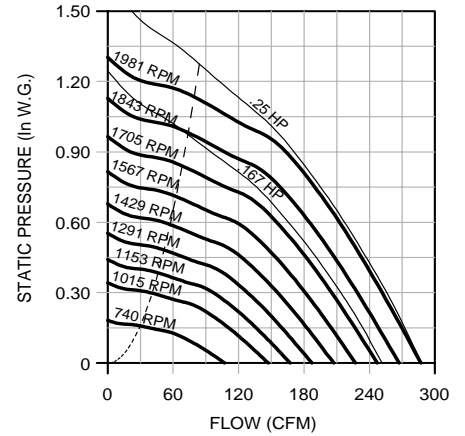
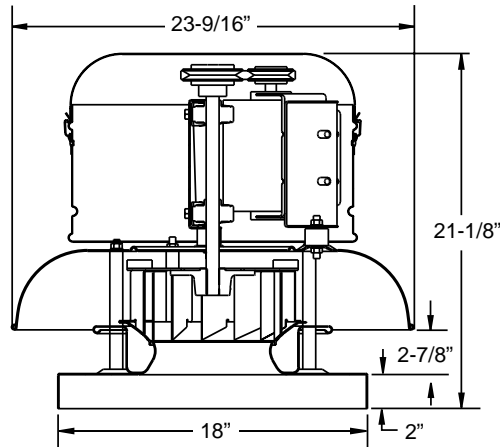
60 - 80 ACEB Data

60 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - $2.6 \times \text{RPM}$
Maximum RPM - 1981
Maximum BHP - $.032 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - $13\text{-}1/2"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .063

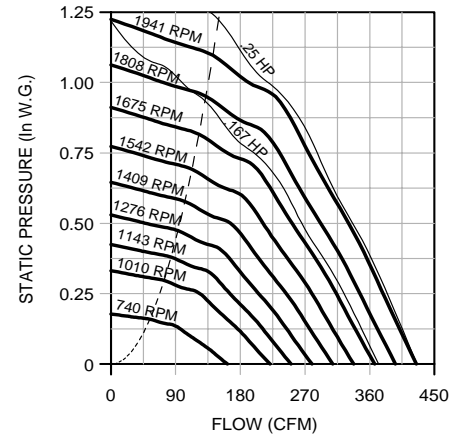
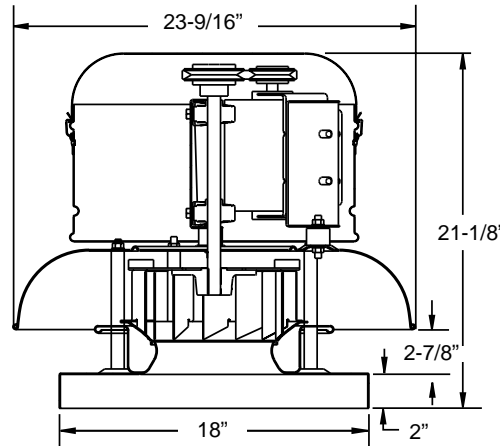


70 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - $2.6 \times \text{RPM}$
Maximum RPM - 1941
Maximum BHP - $.034 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - $13\text{-}1/2"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .063

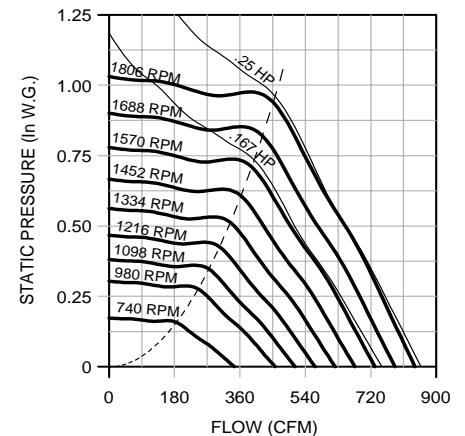
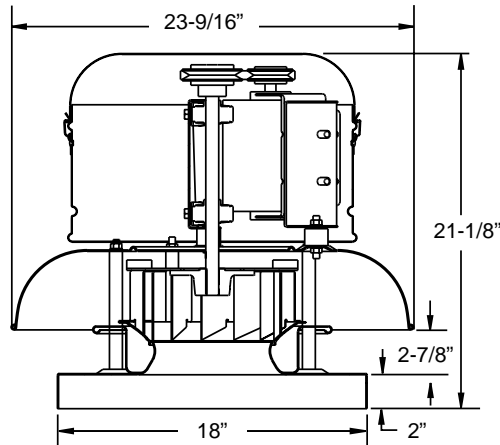


80 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - $2.6 \times \text{RPM}$
Maximum RPM - 1806
Maximum BHP - $.042 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - $13\text{-}1/2"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .063



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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. *1/6 & 1/4 HP motor available only in single phase ODP type.

60 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
60C2B	1/6* 15 lbs.	740	1937	107		61																					
				1.3	.01	1.0	.01																				
		937	2453	136		103		41																			
				2.9	.03	2.6	.03	2.1	.02																		
		1134	2968	164		138		108																			
				5.3	.05	5.1	.05	4.9	.05																		
		1331	3484	193		171		147		119		60															
				7.5	.08	7.5	.07	7.4	.07	7.1	.07	6.3	.06														
1528	4000	222		203		183		161		135		86															
		9.3	.11	9.2	.11	9.1	.11	9.0	.11	8.7	.11	7.9	.10														
1723	4510	250		233		216		197		177		154		118													
		11.4	.16	11.4	.16	11.3	.16	11.2	.16	11.0	.16	10.8	.16	10.0	.15												
60C3B	1/4* 15 lbs.	1787	4678	259		243		226		209		190		169		143		92									
				12.2	.18	12.1	.18	12.1	.18	12.0	.18	11.8	.18	11.7	.18	11.0	.17	10.3	.16								
		1851	4845	268		253		237		220		202		182		160		122									
				13.0	.20	13.0	.20	12.9	.20	12.8	.20	12.7	.20	12.5	.20	12.1	.20	11.4	.18								
		1915	5013	278		263		247		231		214		196		175		150		101							
				13.9	.22	13.9	.22	13.8	.22	13.7	.22	13.6	.22	13.5	.22	13.3	.22	12.5	.21	11.8	.20						
		1981	5186	287		273		258		242		226		209		190		168		131							
				14.9	.25	14.8	.24	14.7	.24	14.7	.24	14.5	.24	14.4	.24	14.3	.24	13.7	.24	13.0	.23						

70 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP		
70C2B	1/6* 15 lbs.	740	1937	162		96																					
				1.7	.01	1.2	.01																				
		930	2434	204		154		70																			
				3.2	.03	2.8	.03	2.6	.02																		
		1120	2932	245		205		159		63																	
				5.7	.05	5.4	.05	5.0	.05	4.8	.04																
		1310	3429	287		253		216		176		95															
				8.2	.08	8.0	.07	7.6	.07	7.3	.07	7.1	.07														
1500	3926	329		298		269		233		199		130															
		10.1	.11	9.8	.11	9.6	.11	9.2	.11	8.9	.11	8.6	.10														
1689	4421	370		343		317		289		256		226		173													
		12.3	.16	12.1	.16	11.9	.16	11.6	.16	11.3	.16	11.0	.15	10.7	.15												
70C3B	1/4* 15 lbs.	1752	4586	384		358		333		306		275		245		215		139									
				13.2	.18	12.9	.18	12.7	.18	12.5	.18	12.2	.18	11.9	.17	11.5	.18	11.2	.16								
		1815	4751	397		372		348		323		294		264		237		179		82							
				14.1	.20	13.9	.20	13.7	.20	13.4	.20	13.1	.20	12.8	.19	12.4	.19	12.1	.19	11.8	.16						
		1878	4916	411		387		363		340		313		283		256		226		152							
				15.1	.23	14.9	.22	14.6	.22	14.4	.22	14.1	.22	13.8	.22	13.5	.21	13.1	.22	12.8	.20						
1941	5081	425		402		379		356		331		302		275		249		192									
		16.0	.25	15.8	.24	15.6	.24	15.4	.24	15.1	.24	14.9	.24	14.6	.23	14.2	.24	13.8	.23								

80 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP									
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP						
80C2B	1/6* 15 lbs.	740	1937	345		221																											
				2.0	.02	1.4	.02																										
		906	2371	422		327		102																									
				3.4	.03	2.9	.03	2.3	.02																								
		1072	2806	500		423		329																									
				5.4	.05	4.9	.05	4.5	.05																								
		1238	3241	577		510		434		356																							
7.6	.08			7.2	.08	6.8	.08	6.4	.08																								
1404	3675	654		595		536		460		394																							
		9.2	.11	8.8	.11	8.5	.12	8.2	.12	7.6	.11																						
		732		679		627		567		500		442		181																			
1571	4112	10.9	.16	10.5	.16	10.1	.16	9.8	.16	9.5	.16	9.0	.16	8.5	.12																		
80C3B	1/4* 15 lbs.	1630	4267	760		709		659		603		537		479		418																	
				11.6	.17	11.2	.18	10.8	.18	10.5	.18	10.2	.18	9.8	.18	9.2	.18																
		1689	4421	787		738		690		638		574		516		463		173															
				12.3	.19	12.0	.20	11.6	.20	11.3	.20	11.0	.20	10.6	.20	10.1	.20	9.6	.15														
		1748	4576	815		767		720		672		613		553		501		440															
1806	4728	13.1		.21		12.7		.22		12.3		.22		12.0		.22		11.7		.23		11.5		.22		10.9		.22		10.4		.22	
		842		796		750		704		650		590		538		487		189															
		13.9	.24	13.5	.24	13.1	.24	12.8	.25	12.5	.25	12.2	.25	11.8	.24	11.3	.24	10.8	.19														

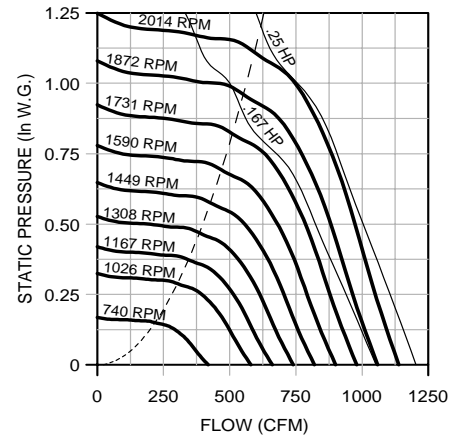
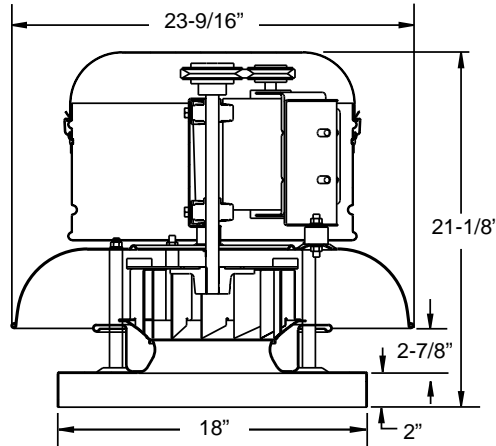
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects

100 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - $2.6 \times \text{RPM}$
Maximum RPM - 2013
Maximum BHP - $.030 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - $13\text{--}1/2"$ Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - 0.40
Baffle - .080
Base - .063

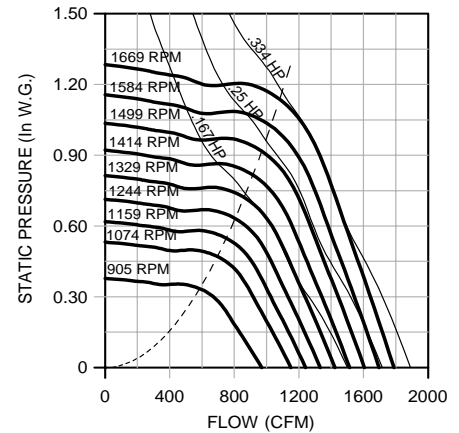
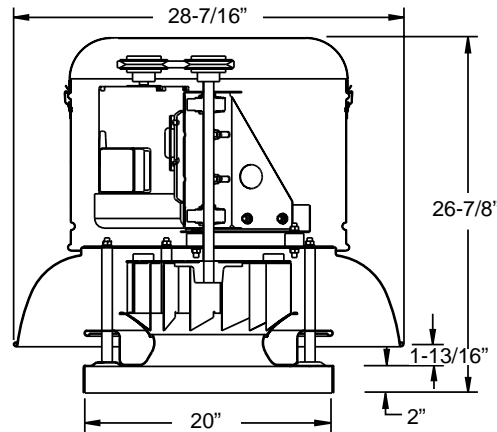


120 ACEB

Wheel Diameter - 12"
Tip Speed (FPM) - $3.1 \times \text{RPM}$
Maximum RPM - 1669
Maximum BHP - $.072 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 55 lbs.
Roof Curb - RCG, RCA 18
Roof Opening - $15\text{--}1/2"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - 0.40
Baffle - .063
Base - .063

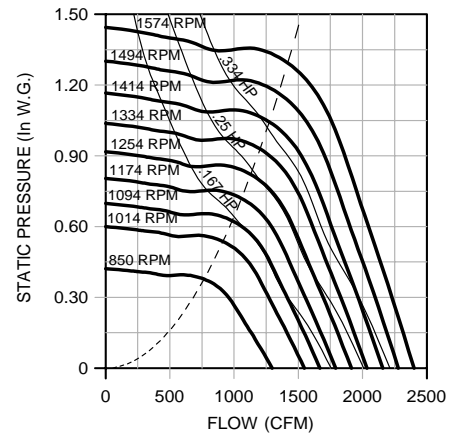
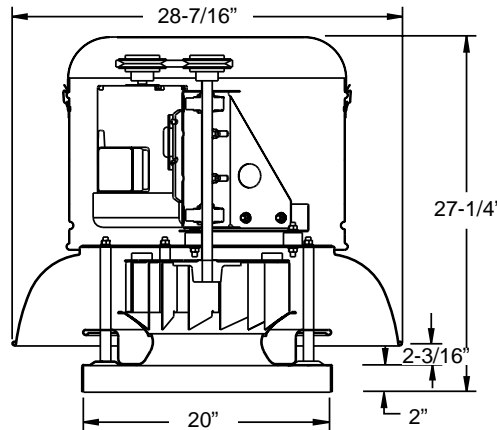


135 ACEB

Wheel Diameter - 13.5"
Tip Speed (FPM) - $3.5 \times \text{RPM}$
Maximum RPM - 1574
Maximum BHP - $.13 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 60 lbs.
Roof Curb - RCG, RCA 18
Roof Opening - $15\text{--}1/2"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

100 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
100C2B	1/6* 15 lbs.	740	1937	419		293																			
				1.9	.01	1.6	.01																		
		942	2466	533		445		254																	
				3.4	.02	3.2	.02	3.1	.02																
		1144	2994	647		573		497		240															
				5.6	.04	5.5	.04	5.3	.04	5.2	.03														
		1346	3523	762		696		638		564		389													
				7.6	.06	7.6	.07	7.4	.07	7.2	.07	7.1	.07												
		1548	4052	876		817		766		715		646		525											
				9.3	.10	9.3	.10	9.2	.10	9.0	.11	8.9	.11	8.7	.11										
1752	4586	991		938		891		848		800		740		657		436									
		11.2	.14	11.2	.14	11.1	.15	10.9	.15	10.8	.16	10.7	.16	10.5	.16	10.4	.13								
100C3B	1/4* 15 lbs.	1818	4759	1029		978		932		890		846		793		723		591							
				11.9	.16	11.9	.16	11.9	.16	11.7	.17	11.5	.18	11.4	.18	11.3	.18	11.2	.18						
		1884	4932	1066		1017		972		931		890		842		782		700		509					
				12.8	.17	12.8	.18	12.8	.18	12.6	.19	12.4	.19	12.2	.20	12.1	.20	12.0	.20	11.8	.17				
		1950	5105	1103		1056		1012		972		933		889		836		769		647					
				13.7	.19	13.7	.20	13.7	.20	13.5	.21	13.3	.21	13.2	.22	13.1	.22	12.9	.22	12.8	.22				
		2014	5272	1140		1094		1051		1012		974		934		886		826		748					
				14.8	.21	14.8	.21	14.8	.22	14.6	.23	14.3	.23	14.1	.24	14.0	.24	13.9	.24	13.8	.25				

*1/6 & 1/4 HP motor available only in single phase ODP type.

120 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
120C2B	1/6 15 lbs.	905	2843	970		857		737																			
				4.5	.05	4.4	.05	4.1	.05																		
		987	3100	1057		955		846		698																	
				5.4	.06	5.4	.06	5.1	.07	4.7	.07																
		1069	3358	1145		1051		951		846		341															
				6.5	.07	6.5	.08	6.2	.09	5.9	.09	5.5	.05														
		1151	3615	1233		1146		1053		961		831															
				7.6	.09	7.6	.10	7.4	.11	7.0	.11	6.7	.11														
		1233	3873	1321		1240		1154		1067		974		787													
				8.9	.11	8.9	.12	8.7	.13	8.3	.14	8.0	.13	7.6	.13												
1313	4124	1407		1331		1252		1169		1088		981		439													
		9.7	.14	9.7	.14	9.6	.15	9.4	.16	9.0	.16	8.6	.16	8.3	.10												
120C3B	1/4 15 lbs.	1411	4432	1512		1441		1368		1292		1216		1137		1021		433									
				10.8	.17	10.8	.18	10.8	.18	10.6	.20	10.2	.20	9.8	.20	9.5	.20	9.2	.12								
		1510	4743	1618		1552		1484		1414		1342		1272		1193		1072		472							
				11.9	.21	11.9	.21	11.9	.22	11.7	.23	11.5	.25	11.1	.25	10.8	.25	10.4	.24	10.1	.14						
120C4B	1/3 19 lbs.	1590	4995	1703		1641		1577		1511		1443		1376		1308		1224		1087							
				12.8	.24	12.8	.25	12.8	.26	12.7	.27	12.5	.28	12.2	.29	11.8	.29	11.5	.29	11.2	.28						
		1669	5243	1788		1729		1668		1606		1541		1476		1413		1345		1256		316					
				13.8	.28	13.8	.29	13.8	.30	13.7	.31	13.5	.32	13.3	.33	12.9	.34	12.6	.33	12.3	.33	11.7	.14				

135 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
135C2B	1/6 15 lbs.	850	3004	1296		1162		1020		776																	
				5.2	.07	5.1	.07	4.8	.08	4.4	.08																
		926	3272	1412		1290		1159		1016																	
				6.1	.09	6.1	.09	5.9	.10	5.5	.10																
		1002	3541	1528		1416		1296		1175		982															
				7.2	.11	7.2	.12	7.0	.13	6.7	.13	6.3	.13														
		1079	3813	1646		1541		1431		1320		1196															
				8.4	.14	8.4	.14	8.3	.15	8.0	.16	7.6	.16														
135C3B	1/4 15 lbs.	1159	4096	1768		1671		1570		1465		1361		1220													
				9.9	.17	9.9	.18	9.7	.19	9.5	.20	9.1	.20	8.7	.20												
		1240	4382	1891		1801		1708		1610		1513		1410		1247											
				11.4	.21	11.4	.22	11.3	.23	11.1	.24	10.8	.25	10.4	.25	10.0	.24										
135C4B	1/3 19 lbs.	1306	4615	1992		1906		1818		1726		1633		1541		1428		1221									
				12.3	.24	12.3	.25	12.3	.26	12.1	.28	11.8	.29	11.4	.29	11.1	.29	10.7	.28								
		1371	4845	2091		2010		1926		1839		1750		1663		1571		1443									
				13.2	.28	13.2	.29	13.2	.30	13.0	.31	12.8	.33	12.4	.34	12.0	.33	11.7	.33								
135C5B	1/2 23 lbs.	1473	5206	2247		2171		2094		2014		1931		1849		1769		1681		1561							
				14.7	.35	14.7	.36	14.7	.37	14.5	.38	14.3	.40	14.0	.41	13.6	.42	13.3	.41	13.0	.41						
		1574	5562	2401		2330		2258		2184		2108		2030		1954		1878		1795		1514					
				16.2	.43	16.2	.43	16.2	.44	16.1	.46	15.9	.48	15.7	.50	15.4	.51	15.0	.51	14.7	.50	14.0	.49				

Performance certified for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

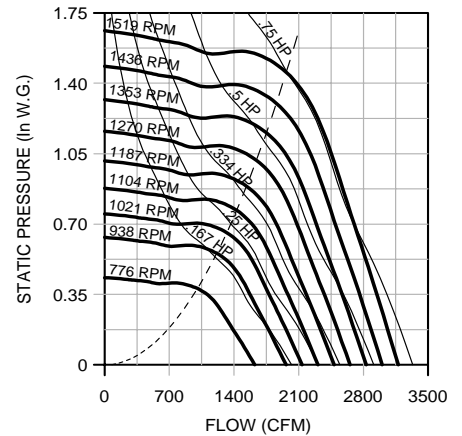
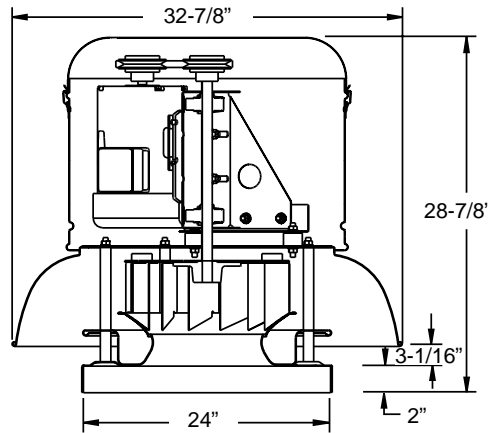
150 - 180 ACEB Data

150 ACEB

Wheel Diameter - 15"
Tip Speed (FPM) - $3.9 \times \text{RPM}$
Maximum RPM - 1519
Maximum BHP - $.22 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 70 lbs.
Roof Curb - RCG, RCA 22
Roof Opening - $19\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

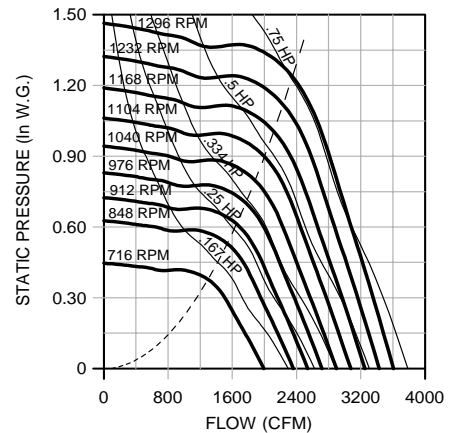
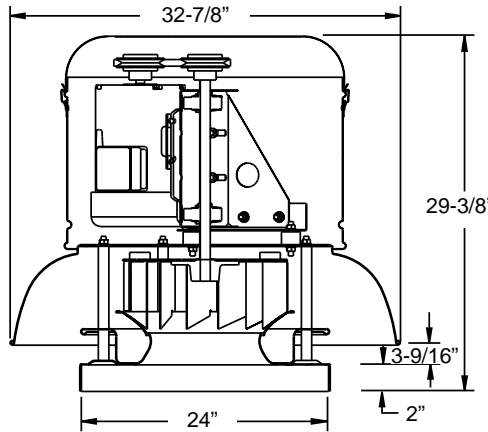


165 ACEB

Wheel Diameter - 16.5"
Tip Speed (FPM) - $4.3 \times \text{RPM}$
Maximum RPM - 1296
Maximum BHP - $.35 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 75 lbs.
Roof Curb - RCG, RCA 22
Roof Opening - $19\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

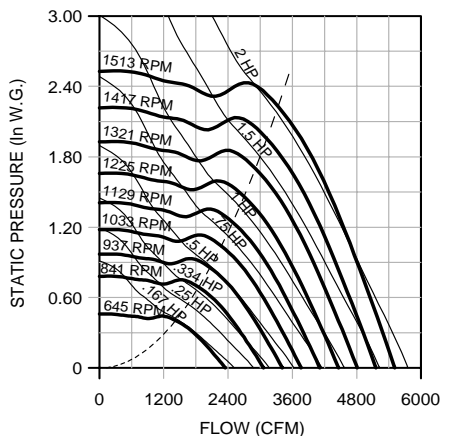
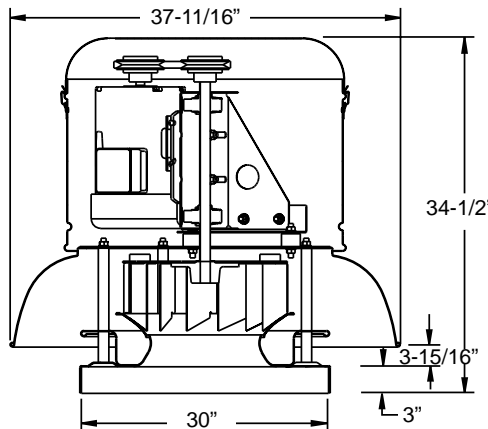


180 ACEB

Wheel Diameter - 18"
Tip Speed (FPM) - $4.7 \times \text{RPM}$
Maximum RPM - 1513
Maximum BHP - $.61 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 90 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - $25\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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. *1/6 & 1/4 HP motor available only in single phase ODP type.

150 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150C2B	1/6 15 lbs.	776	3047	1624		1460		1288		1024															
				5.5	.09	5.4	.09	5.1	.10	4.7	.10														
		840	3298	1757		1608		1448		1276															
				6.3	.11	6.3	.12	6.1	.13	5.7	.13														
150C3B	1/4 15 lbs.	904	3550	1891		1753		1605		1457		1224													
				7.2	.14	7.2	.14	7.1	.16	6.7	.16	6.3	.16												
		972	3817	2034		1905		1769		1632		1479													
				8.4	.17	8.4	.18	8.3	.19	8.0	.20	7.6	.20												
150C4B	1/3 19 lbs.	1040	4084	2176		2056		1931		1801		1672		1495											
				9.7	.21	9.7	.22	9.6	.23	9.4	.25	9.0	.25	8.6	.24										
		1150	4516	2406		2298		2187		2069		1953		1835		1677									
				12.0	.28	12.0	.29	12.0	.30	11.8	.32	11.5	.33	11.1	.33	10.7	.33								
150C5B	1/2 23 lbs.	1235	4849	2584		2483		2381		2273		2163		2056		1942		1785							
				14.1	.35	14.1	.36	14.1	.37	13.8	.39	13.6	.41	13.2	.41	12.7	.41	12.4	.41						
		1320	5183	2762		2668		2572		2473		2370		2269		2169		2059		1907					
				15.6	.43	15.6	.44	15.6	.45	15.4	.47	15.2	.49	14.9	.50	14.5	.51	14.1	.50	13.8	.50				
150C6B	3/4 31 lbs.	1420	5576	2971		2884		2795		2705		2610		2514		2421		2328		2226		1887			
				17.2	.53	17.2	.54	17.2	.55	17.2	.57	17.0	.59	16.8	.62	16.5	.63	16.1	.63	15.8	.63	15.1	.62		
		1519	5965	3178		3096		3014		2930		2844		2755		2665		2578		2491		2282			
				19.0	.65	19.0	.66	19.0	.67	19.0	.69	18.8	.71	18.6	.74	18.4	.76	18.0	.77	17.7	.77	17.1	.76		

165 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165C2B	1/6 15 lbs.	716	3092	1994		1800		1594		1309															
				5.8	.11	5.7	.12	5.4	.13	5.0	.13														
		771	3330	2147		1968		1776		1573															
				6.6	.14	6.6	.15	6.4	.16	6.0	.16														
165C3B	1/4 15 lbs.	829	3581	2309		2143		1965		1788		1525													
				7.5	.17	7.5	.18	7.3	.20	6.9	.20	6.6	.20												
		887	3831	2470		2315		2152		1986		1803													
				8.5	.21	8.5	.22	8.3	.23	8.0	.25	7.7	.25												
165C4B	1/3 19 lbs.	934	4034	2601		2454		2301		2141		1982		1746											
				9.4	.24	9.4	.25	9.3	.27	9.0	.29	8.7	.29	8.3	.29										
		981	4237	2732		2592		2448		2295		2147		1971											
				10.4	.28	10.4	.29	10.4	.31	10.2	.33	9.8	.33	9.4	.33										
165C5B	1/2 23 lbs.	1053	4548	2933		2803		2669		2529		2388		2247		2064									
				12.2	.35	12.2	.36	12.1	.37	11.9	.40	11.6	.41	11.2	.41	10.8	.41								
		1126	4863	3136		3014		2891		2761		2628		2499		2362		2175							
				14.0	.43	14.0	.44	14.0	.45	13.8	.47	13.5	.50	13.1	.51	12.8	.50	12.4	.50						
165C6B	3/4 31 lbs.	1211	5231	3373		3260		3145		3027		2904		2782		2662		2532		2360					
				16.4	.53	16.4	.54	16.4	.56	16.2	.58	16.0	.60	15.7	.63	15.3	.63	14.9	.63	14.6	.62				
		1296	5598	3609		3504		3397		3288		3175		3060		2946		2834		2712					
				18.4	.65	18.4	.66	18.4	.68	18.3	.70	18.1	.72	17.9	.75	17.5	.77	17.1	.77	16.8	.77				

180 ACEB

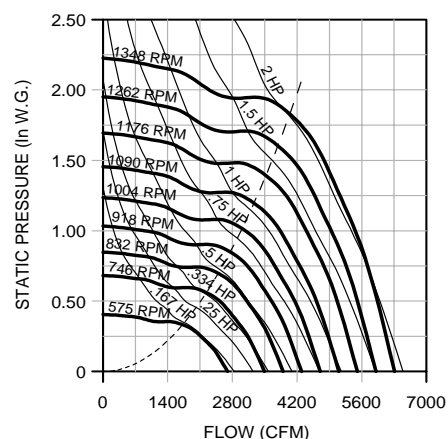
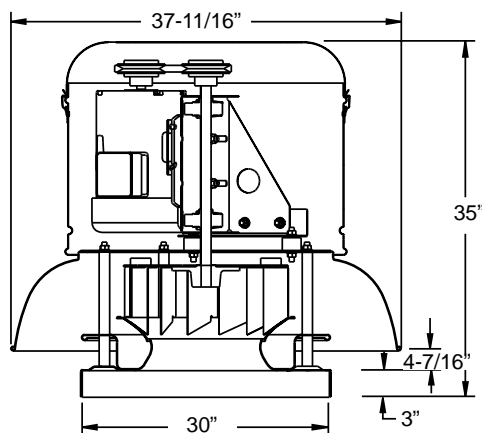
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
180C2B	1/6 15 lbs.	645	3039	2349		2123		1875		1539															
				6.1	.14	6.0	.15	5.3	.16	4.5	.16														
				2702		2509		2302		2070		1759													
180C3B	1/4 15 lbs.	742	3496	8.0 .21		7.9 .22		7.4 .24		6.6 .24		5.9 .25													
				2986		2813		2628		2433		2206		1901											
				9.6	.28	9.6	.30	9.1	.31	8.5	.33	7.7	.33	7.1	.33										
180C4B	1/3 19 lbs.	820	3864	3208		3048		2877		2700		2506		2276											
				10.9 .35		10.9 .36		10.6 .38		10.1 .40		9.2 .41		8.6 .41											
				3430		3281		3123		2960		2787		2594		2361									
180C5B	1/2 23 lbs.	881	4151	12.4 .42		12.4 .44		12.1 .46		11.7 .48		10.9 .49		10.2 .50		9.5 .51									
				3948		3819		3684		3544		3402		3253		3093		2915		2705					
				16.1	.65	16.1	.66	16.0	.69	15.6	.71	15.2	.73	14.4	.75	13.6	.76	12.9	.77	12.3	.77				
180C6B	3/4 31 lbs.	1084	5108	4355		4240		4118		3993		3866		3736		3601		3458		3304		2927			
				18.5	.87	18.5	.89	18.5	.91	18.2	.94	17.8	.97	17.4	.99	16.7	1.00	16.0	1.02	15.3	1.03	14.0	1.03		
				5000		4900		4796		4688		4579		4468		4356		4242		4123		3867		3571	
180C7B	1 36 lbs.	1196	5636	23 1.31		23 1.33		23 1.36		23 1.40		23 1.43		22 1.46		22 1.48		21 1.50		21 1.52		19.4 1.55		18.2 1.56	
				5255		5160		5061		4960		4856		4751		4645		4538		4428		4196		3937	
				25	1.52	25	1.55	25	1.58	25	1.61	25	1.64	24	1.68	24	1.70	23	1.73	23	1.75	22	1.78	20	1.81
180C8B	1-1/2 38 lbs.	1373	6470	5510		5419		5326		5229		5131		5032		4931		4830		4726		4512		4280	
				27	1.75	27	1.78	27	1.81	27	1.84	27	1.88	26	1.92	26	1.95	26	1.97	25	2.00	24	2.04	23	2.07
180C9B	2 50 lbs.	1443	6799																						

195 ACEB

Wheel Diameter - 19.5"
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 1348
Maximum BHP - .90 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .080

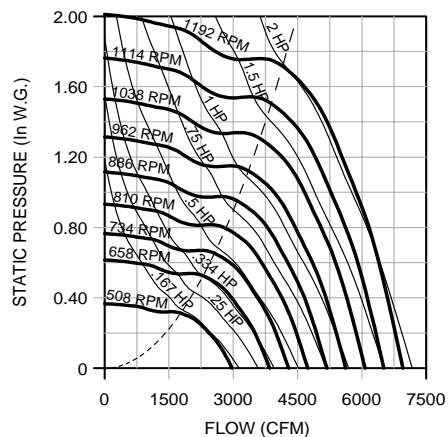
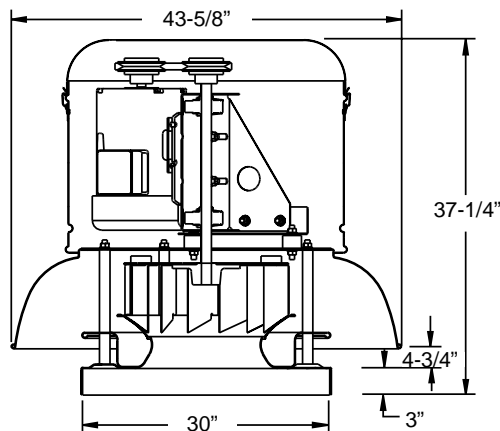


210 ACEB

Wheel Diameter - 21"
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 1190
Maximum BHP - 1.3 x (RPM/1000)³
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 200 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

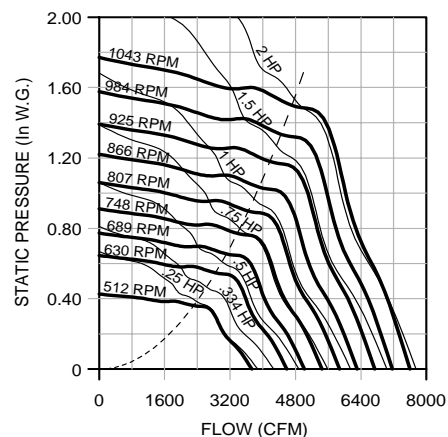
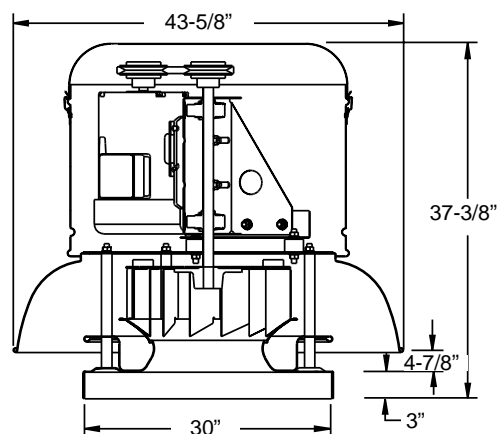


225 ACEB

Wheel Diameter - 22.5"
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1043
Maximum BHP - 1.9 x (RPM/1000)³
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 220 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

195 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
195C2B	1/6 15 lbs.	575	2935	2692		2467		2117																	
				5.9	.14	5.7	.15	4.9	.16																
195C3B	1/4 15 lbs.	661	3374	3094		2905		2653		2301															
				7.6	.22	7.5	.23	6.9	.24	6.1	.25														
195C4B	1/3 19 lbs.	731	3731	3422		3253		3052		2763		2395													
				9.1	.29	9.1	.31	8.7	.32	7.9	.33	7.2	.33												
195C5B	1/2 23 lbs.	839	4283	3927		3781		3622		3422		3158		2862											
				11.8	.44	11.8	.46	11.5	.48	11.0	.50	10.2	.50	9.4	.50										
195C6B	3/4 31 lbs.	903	4609	4227		4092		3948		3781		3558		3307		3003									
				113.5	.55	13.5	.57	13.3	.59	12.8	.61	12.1	.62	11.4	.63	10.6	.62								
				4522		4396		4264		4117		3935		3707		3470		3159							
195C7B	1 36 lbs.	1066	5442	4990		4876		4758		4633		4492		4317		4110		3897		3656					
				18.2	.91	18.2	.93	18.2	.95	17.9	.98	17.5	1.00	17.0	1.02	16.2	1.03	15.5	1.03	14.7	1.03				
195C8B	1-1/2 38 lbs.	1145	5845	5360		5254		5145		5032		4909		4767		4595		4399		4201		3684			
				20	1.12	20	1.15	20	1.17	20	1.20	19.7	1.22	19.3	1.25	18.7	1.27	18.0	1.28	17.3	1.28	15.9	1.26		
				5730		5631		5530		5425		5315		5193		5053		4887		4702		4323		3701	
195C9B	2 50 lbs.	1348	6881	6310		6220		6129		6036		5939		5837		5726		5603		5459		5128		4785	
				26	1.83	26	1.86	26	1.89	26	1.92	26	1.95	25	1.98	25	2.01	25	2.04	24	2.06	23	2.09	22	2.09

210 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
210C2B	1/6 15 lbs.	508	2792	2970		2691		2239																	
				5.4	.14	5.2	.16	4.3	.16																
210C3B	1/4 15 lbs.	584	3210	3415		3181		2849		2359															
				7.0	.22	6.9	.23	6.3	.25	5.5	.24														
210C4B	1/3 19 lbs.	646	3551	3777		3569		3310		2942		2310													
				8.4	.29	8.4	.31	7.9	.33	7.1	.33	6.4	.32												
210C5B	1/2 23 lbs.	742	4079	4338		4159		3961		3694		3365		2890											
				10.9	.44	10.9	.46	10.5	.48	9.9	.50	9.1	.50	8.4	.49										
210C6B	3/4 31 lbs.	854	4695	4993		4839		4676		4489		4244		3959		3639									
				14.4	.67	14.1	.70	13.9	.72	16.5	.74	12.8	.76	12.1	.77	11.3	.76								
210C7B	1 36 lbs.	898	4937	5251		5104		4951		4780		4570		4306		4032		3673							
				15.5	.78	15.5	.81	15.4	.83	15.0	.86	14.4	.88	13.6	.89	12.9	.89	12.2	.88						
				5508		5368		5224		5066		4882		4648		4388		4114		3704					
210C8B	1-1/2 38 lbs.	1081	5943	6321		6199		6075		5946		5807		5649		5459		5240		5014		4477			
				22	1.37	22	1.40	22	1.43	21	1.46	21	1.49	21	1.51	20	1.54	19.3	1.56	18.6	1.56	17.2	1.54		
210C9B	2 50 lbs.	1137	6250	6648		6533		6416		6294		6165		6024		5862		5669		5456		5015		4296	
				23	1.59	23	1.62	22	1.66	23	1.69	23	1.72	22	1.75	22	1.75	21	1.80	21	1.81	19.2	1.81	17.9	1.76
				6970		6860		6748		6634		6514		6385		6241		6075		5883		5472		4987	
210C9B	2 50 lbs.	1192	6553	25	1.83	25	1.87	25	1.90	25	1.93	25	1.97	24	2.00	24	2.03	23	2.06	23	2.08	21	2.09	19.9	2.07

225 ACEB

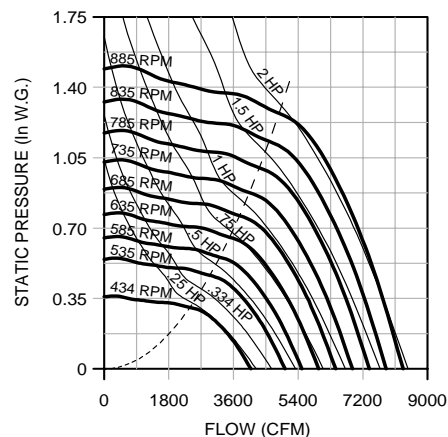
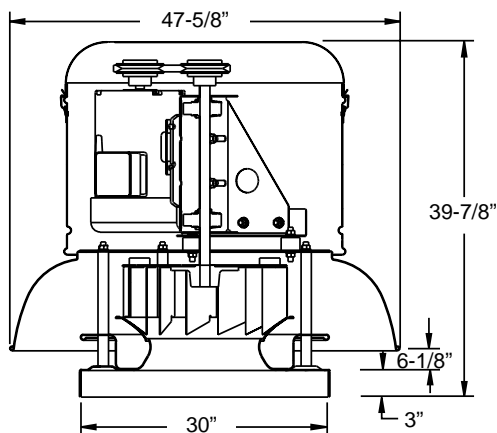
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
225C3B	1/4 15 lbs.	512	3015	3729		3358		2940																	
				6.4	.22	6.2	.24	5.5	.25																
225C4B	1/3 19 lbs.	566	3334	4123		3802		3365		3120															
				7.6	.30	7.6	.32	7.0	.33	6.1	.33														
225C5B	1/2 23 lbs.	650	3828	4735		4464		4095		3778		3571													
				9.8	.46	9.8	.48	9.3	.50	8.6	.51	7.9	.50												
225C6B	3/4 31 lbs.	698	4111	5084		4836		4523		4161		3957		3714											
				11.2	.57	11.2	.59	10.8	.61	10.2	.62	9.4	.62	8.7	.62										
		747	4400	5441		5210		4940		4578		4335		4162		3816									
				12.7	.69	12.7	.71	12.4	.74	12.0	.76	11.1	.77	10.4	.76	9.6	.75								
225C7B	1 36 lbs.	825	4859	6009		5802		5573		5275		4965		4768		4613		4384							
				15.2	.93	15.2	.96	15.1	.98	14.6	1.01	14.1	1.03	13.3	1.03	12.5	1.03	11.8	1.02						
225C8B	1-1/2 38 lbs.	886	5218	6454		6261		6055		5809		5491		5250		5086		4942		4732					
				17.4	1.16	17.4	1.18	17.4	1.21	16.9	1.24	16.5	1.27	15.8	1.28	15.0	1.28	14.2	1.27	13.5	1.27				
		947	5578	6898		6718		6529		6316		6040		5757		5563		5417		5282					
				19.5	1.41	19.5	1.44	19.5	1.47	19.2	1.50	18.8	1.53	18.3	1.55	17.6	1.56	16.8	1.56	16.1	1.56				
225C9B	2 50 lbs.	995	5861	7248		7077		6899		6703		6464		6179		5951		5787		5657		5341			
				21	1.64	21	1.67	21	1.70	21	1.73	21	1.76	20	1.79	19.7	1.81	18.9	1.81	18.2	1.81	16.8	1.80		
		1043	6143	7597		7434		7266		7085		6875		6611		6356		6170		6026		5777			
				23	1.89	23	1.92	23	1.95	23	1.98	23	2.01	22	2.05	22	2.08	21	2.09	20	2.09	18.9	2.08		

245 ACEB

Wheel Diameter - 24.5"
Tip Speed (FPM) - 6.4 x RPM
Maximum RPM - 885
Maximum BHP - $3.0 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 240 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

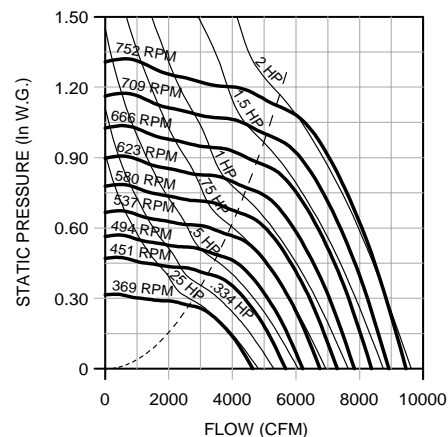
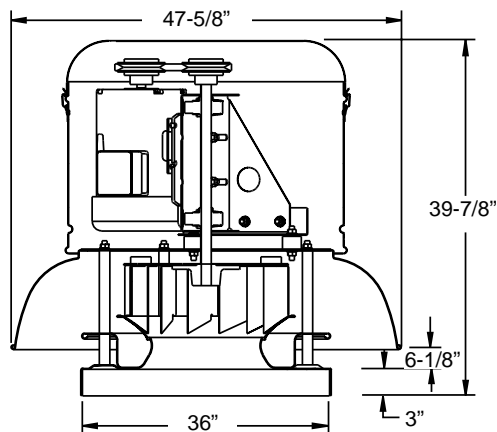


270 ACEB

Wheel Diameter - 27"
Tip Speed (FPM) - 7.1 x RPM
Maximum RPM - 752
Maximum BHP - $4.9 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 260 lbs.
Roof Curb - RCG, RCA 34
Roof Opening - 31-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

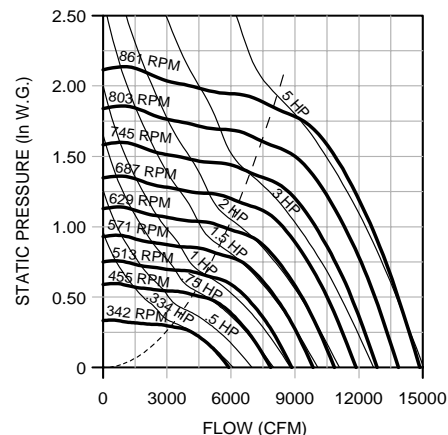
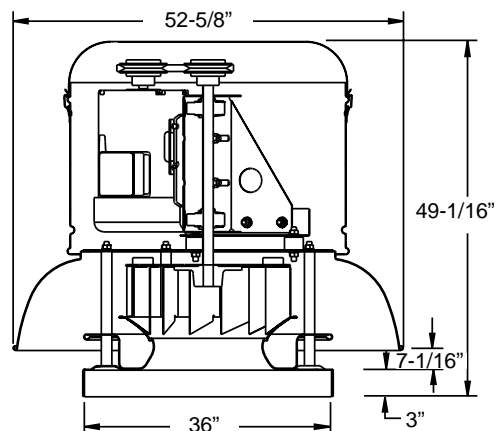


300 ACEB

Wheel Diameter - 30"
Tip Speed (FPM) - 7.9 x RPM
Maximum RPM (Standard Wheel) - 837
Maximum RPM (Reinforced Wheel) - 861
Maximum BHP - $8.3 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 184T
Approx. Ship Wt. (Less Motor) - 300 lbs.
Roof Curb - RCG, RCA 34
Roof Opening - 31-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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. **Shaded area indicates reinforced wheel required.**

245 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245C3B	1/4 15 lbs.	434	2783	4081		3651		3017																	
				5.6	.22	5.3	.24	4.5	.25																
245C4B	1/3 19 lbs.	480	3078	4513		4133		3633																	
				6.7	.30	6.6	.32	5.9	.33																
245C5B	1/2 23 lbs.	551	3534	5181		4856		4475		3969															
				8.8	.46	8.7	.48	8.1	.50	7.3	.50														
245C6B	3/4 31 lbs.	634	4066	5962		5682		5377		5009		4552		3863											
				11.1	.70	11.1	.72	10.7	.75	10.1	.76	9.3	.77	8.6	.74										
245C7B	1 36 lbs.	666	4271	6262		5996		5713		5380		4975		4464											
				12.2	.81	12.2	.84	11.9	.86	11.3	10.5	10.5	.89	9.7	.89										
		699	4483	6573		6320		6053		5751		5387		4954		4335									
				13.3	.94	13.3	.97	13.1	.99	12.6	1.01	11.8	1.02	11.0	1.03	10.3	1.00								
245C8B	1-1/2 38 lbs.	751	4816	7062		6827		6583		6316		6005		5644		5216		4593							
				15.2	1.16	15.2	1.19	15.1	1.22	14.6	1.24	14.0	1.26	13.2	1.27	12.4	1.27	11.7	1.24						
		803	5150	7551		7331		7105		6864		6594		6283		5930		5512		4913					
				17.2	1.42	17.2	1.45	17.2	1.48	16.7	1.51	16.3	1.53	15.5	1.55	14.7	1.56	13.9	1.56	13.2	1.51				
245C9B	2 50 lbs.	844	5413	7936		7728		7514		7289		7044		6764		6449		6094		5671					
				18.7	1.65	18.7	1.69	18.7	1.72	18.4	1.75	18.0	1.77	17.4	1.79	16.6	1.80	15.9	1.81	15.1	1.80				
		885	5676	8322		8123		7920		7709		7482		7230		6946		6632		6278		5121			
				20	1.90	20	1.94	20	1.97	20	2.01	19.7	2.03	19.3	2.05	18.5	2.07	17.8	2.08	17.1	2.09	15.6	1.97		

270 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
270C3B	1/4 15 lbs.	369	2608	4644		4073		3118																	
				5.0	.22	4.7	.24	3.8	.24																
270C4B	1/3 19 lbs.	408	2883	5135		4635		3931																	
				6.1	.30	5.9	.32	5.1	.33																
270C5B	1/2 23 lbs.	468	3308	5890		5465		4939		4197															
				7.8	.46	7.7	.48	7.1	.50	6.3	.50														
270C6B	3/4 31 lbs.	504	3562	6343		5951		5495		4893		3724													
				9.1	.57	9.1	.60	8.5	.62	7.6	.63	6.8	.58												
		539	3809	6783		6419		6012		5496		4816													
				10.4	.70	10.4	.73	9.9	.75	9.1	.76	8.2	.76												
270C7B	1 36 lbs.	594	4198	7475		7146		6793		6375		5863		5192											
				12.2	.94	12.2	.97	11.9	.99	11.1	1.01	10.3	1.02	9.5	1.02										
270C8B	1-1/2 38 lbs.	638	4509	8029		7724		7402		7039		6603		6086		5370									
				13.7	1.16	13.7	1.19	13.5	1.22	13.0	1.25	12.2	1.26	11.3	1.27	10.6	1.25								
		683	4827	8596		8311		8015		7692		7316		6880		6365		5623							
				15.5	1.42	15.5	1.46	15.4	1.49	14.9	1.52	14.3	1.54	13.5	1.55	12.7	1.56	12.0	1.52						
270C9B	2 50 lbs.	717	5068	9023		8752		8473		8173		7834		7442		6995		6455		5497					
				16.9	1.65	16.9	1.68	16.9	1.72	16.4	1.75	16.0	1.77	15.1	1.79	14.3	1.80	13.6	1.80	12.9	1.69				
		752	5315	9464		9206		8941		8661		8352		7999		7601		7147		6583					
				18.4	1.9	18.4	1.94	18.4	1.98	18.0	2.01	17.6	2.04	16.9	2.06	16.1	2.07	15.3	2.08	14.6	2.06				

300 ACEB

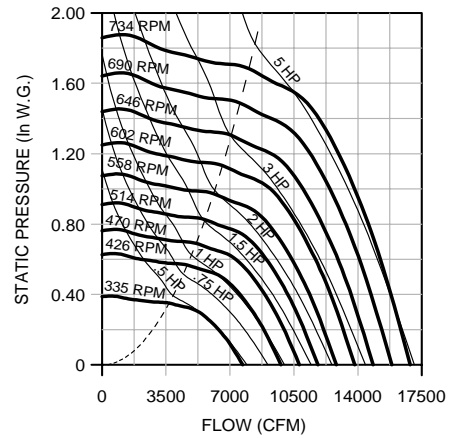
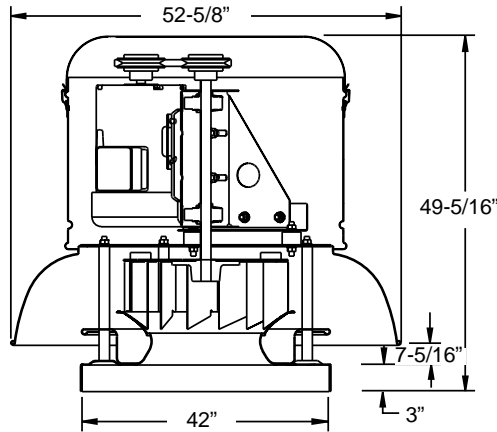
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
300C4B	1/3 19 lbs.	342	2686	5904		5227		4171																	
				6.1	.30	5.2	.32	4.4	.33																
300C5B	1/2 23 lbs.	393	3086	6785		6216		5468		3986															
				8.0	.46	7.2	.49	6.4	.5	5.8	.46														
300C6B	3/4 31 lbs.	452	3550	7803		7317		6749		5999		4458													
				10.7	.70	9.9	.73	8.9	.75	8.2	.76	7.6	.69												
300C7B	1 36 lbs.	499	3919	8615		8178		7696		7096		6334													
				13.0	.94	12.5	.97	11.3	1.00	10.5	1.02	9.8	1.03												
300C8B	1-1/2 38 lbs.	573	4500	9892		9514		9115		8664		8123		7480		6581									
				16.4	1.42	16.1	1.46	14.9	1.50	14.0	1.53	13.3	1.55	12.7	1.56	12.1	1.53								
300C9B	2 50 lbs.	631	4955	10894		10551		10196		9813		9374		8865		8278		7529							
				18.9	1.90	18.9	1.94	17.8	1.99	16.9	2.02	16.3	2.05	15.6	2.07	15.0	2.08	14.3	2.06						
300C10B	3 74 lbs.	677	5317	11688		11369		11042		10696		10315		9878		9386		8825		8128					
				21	2.34	21	2.39	20	2.44	19.4	2.48	18.7	2.52	18.1	2.54	17.5	2.56	16.9	2.57	16.4	2.55				
		724	5686	12499		12201		11898		11581		11241		10864		10439		9970		9441		7742			
				24	2.87	24	2.92	23	2.97	22	3.02	21	3.06	21	3.09	20	3.11	19.5	3.13	18.9	3.14	17.9	2.98		
300C11B	5 98 lbs.	792	6220	13673		13401		13125		12842		12545		12228		11878		11493		11073		10098		8410	
				28	3.75	28	3.81	28	3.87	27	3.92	26	3.97	25	4.01	24	4.05	24	4.07	23	4.09	22	4.11	21	3.88
		861	6762	14864		14614		14362		14105		13839		13562		13265		12944		12594		11814		10882	
				33	4.82	33	4.89	33	4.95	31	5.01	30	5.07	29	5.12	29	5.16	28	5.20	28	5.22	26	5.27	25	5.28

330 ACEB

Wheel Diameter - 33"
Tip Speed (FPM) - $8.6 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 716
Maximum RPM (Reinforced Wheel) - 734
Maximum BHP - $13.3 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 184T
Approx. Ship Wt. (Less Motor) - 365 lbs.
Roof Curb - RCG, RCA 40
Roof Opening - $37\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

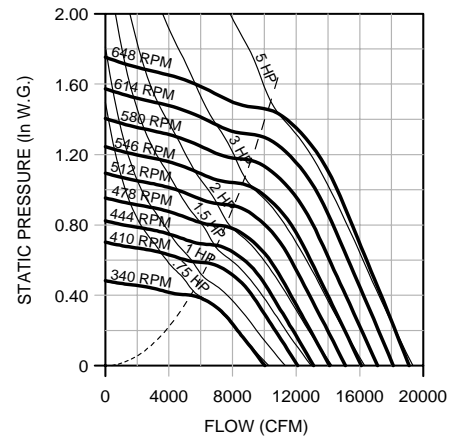
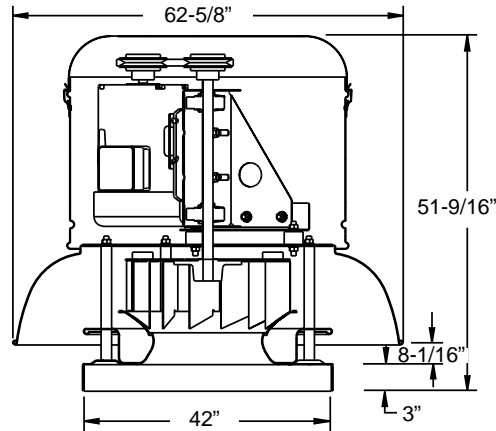


365 ACEB

Wheel Diameter - 36.5"
Tip Speed (FPM) - $9.6 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 624
Maximum RPM (Reinforced Wheel) - 648
Maximum BHP - $19.4 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 184T
Approx. Ship Wt. (Less Motor) - 380 lbs.
Roof Curb - RCG, RCA 40
Roof Opening - $37\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

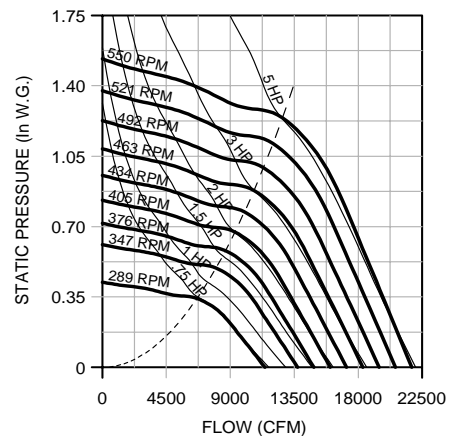
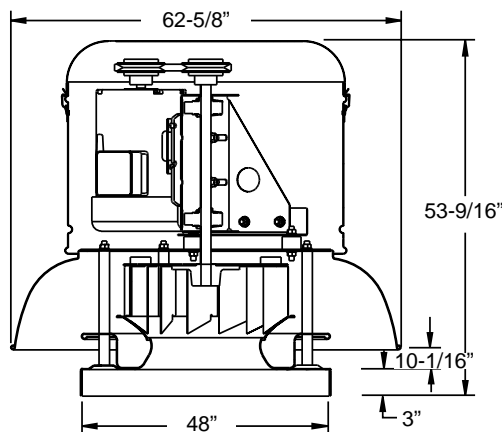


402 ACEB

Wheel Diameter - 40.25"
Tip Speed (FPM) - $10.5 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 539
Maximum RPM (Reinforced Wheel) - 550
Maximum BHP - $31.7 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 440 lbs.
Roof Curb - RCG, RCA 46
Roof Opening - $43\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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. **Shaded area indicates reinforced wheel required.**

330 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
330C5B	1/2 23 lbs.	335	2894	7698		6953		5909																	
				7.2	.46	6.3	.49	5.5	.50																
330C6B	3/4 31 lbs.	385	3326	8847		8215		7437		6343															
				9.5	.69	8.7	.73	7.8	.75	7.1	.76														
330C7B	1 36 lbs.	425	3671	9766		9198		8551		7712		6479													
				11.6	.93	10.9	.97	9.8	1.00	9.1	1.02	8.5	1.00												
330C8B	1-1/2 38 lbs.	488	4216	11213		10723		10198		9577		8818		7831											
				15.2	1.41	14.8	1.46	13.5	1.50	12.7	1.53	12.0	1.55	11.3	1.54										
330C9B	2	513	4432	11788		11323		10830		10268		9590		8774		7490									
				16.7	1.64	16.4	1.69	15.1	1.74	14.3	1.77	13.6	1.79	12.9	1.80	12.2	1.73								
	50 lbs.	538	4647	12362		11920		11456		10941		10330		9614		8717		6588							
				18.0	1.89	17.8	1.95	16.6	1.99	15.7	2.03	15.0	2.06	14.3	2.07	13.7	2.06	13.1	1.83						
330C10B	3 74 lbs.	578	4993	13281		12870		12444		11985		11463		10856		10159		9289		7299					
				19.9	2.35	19.8	2.40	18.7	2.46	17.7	2.50	17.0	2.54	16.4	2.56	15.8	2.57	15.2	2.56	14.6	2.30				
	618	5339	14200		13816		13422		13006		12548		12023		11433		10762		9935						
			22	2.87	22	2.93	21	2.99	20	3.04	19.2	3.08	18.6	3.11	18.0	3.13	17.4	3.15	16.8	3.12					
330C11B	5	676	5840	15533		15182		14825		14456		14060		13628		13143		12607		12015		10444			
				26	3.76	26	3.82	25	3.89	24	3.95	23	4.00	22	4.04	22	4.07	21	4.10	20	4.12	19.3	4.04		
	98 lbs.	734	6341	16866		16543		16216		15880		15530		15158		14753		14305		13818		12704		11107	
				30	4.81	30	4.88	29	4.95	28	5.02	27	5.08	26	5.13	26	5.18	25	5.21	24	5.24	23	5.27	22	5.14

365 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
365C6B	3/4 31 lbs.	340	3248	10031		8971		7888		6233															
				9.1	.70	8.4	.74	7.5	.76	6.8	.74														
365C7B	1 36 lbs.	375	3583	11064		10106		9124		8060															
				11.2	.94	10.4	.99	9.4	1.00	8.7	1.02														
365C8B	1-1/2 38 lbs.	403	3850	11890		11000		10088		9168		7840													
				13.0	1.16	12.3	1.22	11.2	1.24	10.4	1.27	9.7	1.25												
		431	4118	12716		11885		11036		10184		9220		7455											
				14.8	1.42	14.3	1.48	13.0	1.51	12.2	1.54	11.5	1.55	10.8	1.49										
365C9B	2 50 lbs.	453	4328	13365		12575		11770		10957		10117		8900											
				16.2	1.65	15.8	1.72	14.5	1.75	13.7	1.77	13.0	1.8	12.3	1.77										
		475	4538	14014		13261		12496		11718		10942		10002		8400									
				17.6	1.90	17.4	1.97	16.1	2.02	15.2	2.04	14.6	2.07	13.9	2.07	13.2	2.00								
365C10B	3 74 lbs.	510	4873	15047		14346		13637		12913		12194		11447		10469		8824							
				20	2.36	19.9	2.43	18.7	2.49	17.7	2.51	17.0	2.54	16.4	2.57	15.7	2.56	15.1	2.46						
		545	5207	16079		15424		14762		14089		13411		12739		12004		11012		9415					
				22	2.87	22	2.96	21	3.02	20	3.06	19.2	3.08	18.6	3.11	18.0	3.14	17.4	3.11	16.8	3.00				
365C11B	5 98 lbs.	597	5704	17613		17016		16414		15804		15185		14568		13954		13295		12476					
				25	3.78	25	3.87	25	3.95	23	4.00	22	4.03	22	4.05	21	4.09	21	4.13	20	4.11				
		648	6192	19118		18567		18014		17456		16889		16318		15751		15186		14589		12987			
				29	4.83	29	4.93	28	5.02	27	5.09	26	5.13	25	5.16	25	5.19	24	5.23	24	5.27	22	5.21		

402 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
402C6B	3/4 31 lbs.	289	3045	11434		10053		8617																	
				8.2	.70	7.3	.74	6.5	.76																
402C7B	1 36 lbs.	319	3361	12621		11375		10102		8433															
				9.9	.94	9.1	.99	8.2	1.01	7.5	1.01														
402C8B	1-1/2 38 lbs.	343	3614	13570		12414		11229		9959															
				11.5	1.17	10.8	1.23	9.7	1.25	9.0	1.28														
		366	3856	14480		13398		12289		11171		9563													
				13.4	1.42	12.5	1.49	11.3	1.51	10.6	1.54	9.8	1.52												
402C9B	2 50 lbs.	384	4046	15192		14162		13108		12052		10794													
				14.4	1.64	13.9	1.71	12.7	1.75	11.9	1.77	11.2	1.78												
		403	4246	15944		14963		13962		12955		11884		10197											
				15.8	1.89	15.4	1.97	14.1	2.01	13.3	2.04	12.6	2.07	11.9	2.02										
402C10B	3 74 lbs.	433	4562	17131		16219		15292		14350		13412		12288		10416									
				18.0	2.35	17.7	2.43	16.5	2.49	15.6	2.51	14.9	2.55	14.2	2.56	13.6	2.48								
		463	4878	18318		17465		16603		15723		14849		13939		12753									
				20	2.87	20	2.96	19.0	3.03	17.9	3.06	17.2	3.09	16.6	3.13	15.9	3.11								
402C11B	5 98 lbs.	507	5342	20058		19281		18496		17699		16893		16098		15260		14217		12665					
				24	3.77	24	3.87	23	3.95	22	4.01	21	4.03	20	4.07	19.5	4.11	18.9	4.10	18.3	4.01				
		550	5795	21760		21043		20322		19592		18851		18111		17377		16604		15680					
				27	4.81	27	4.92	26	5.02	25	5.09	24	5.13	24	5.15	23	5.20	22	5.25	22	5.25				

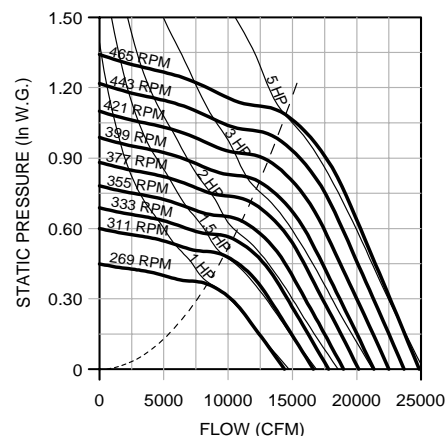
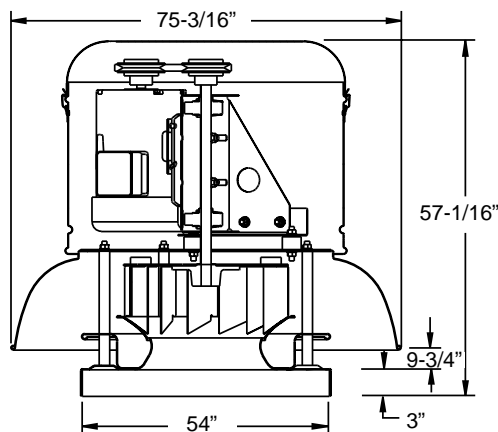
445 - 540 ACEB Data

445 ACEB

Wheel Diameter - 44.5"
Tip Speed (FPM) - 11.7 x RPM
Maximum RPM (Standard Wheel) - 463
Maximum RPM (Reinforced Wheel) - 465
Maximum BHP - 52.3 x (RPM/1000)³
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 500 lbs.
Roof Curb - RCG, RCA 52
Roof Opening - 49-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

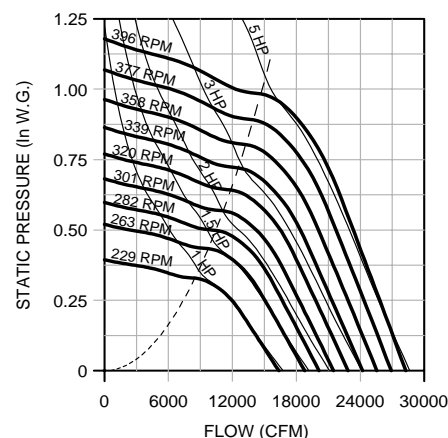
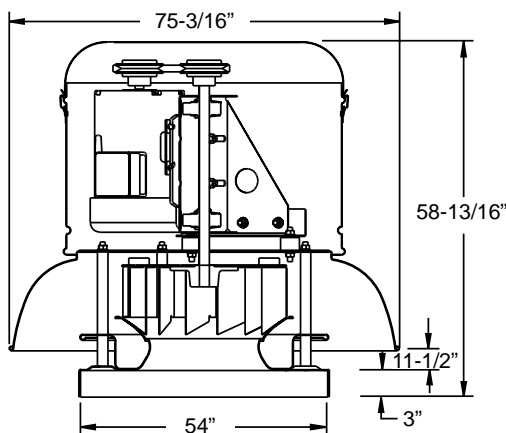


490 ACEB

Wheel Diameter - 49"
Tip Speed (FPM) - 12.8 x RPM
Maximum RPM (Standard Wheel) - 360
Maximum RPM (Reinforced Wheel) - 396
Maximum BHP - 84.6 x (RPM/1000)³
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 650 lbs.
Roof Curb - RCG, RCA 52
Roof Opening - 49-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

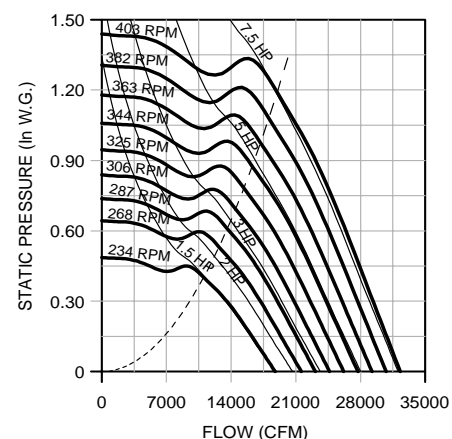
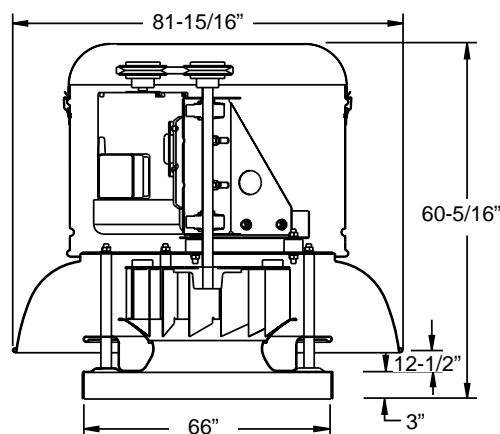


540 ACEB

Wheel Diameter - 54"
Tip Speed (FPM) - 14.1 x RPM
Maximum RPM (Standard Wheel) - 347
Maximum RPM (Reinforced Wheel) - 401
Maximum BHP - 120.6 x (RPM/1000)³
Maximum Motor Frame - 215T
Approx. Ship Wt. (Less Motor) - 858 lbs.
Roof Curb - RCG, RCA 64
Roof Opening - 61-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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. **Shaded area indicates reinforced wheel required.**

445 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
445C7B	1 36 lbs.	269	3133	14382		12746		11064																	
				8.8	.93	8.0	.99	7.1	1.01																
445C8B	1-1/2 38 lbs.	289	3366	15451		13933		12382		10364															
				10.1	1.15	9.3	1.22	8.4	1.25	7.7	1.24														
		309	3599	16521		15104		13651		12086															
				11.6	1.41	10.9	1.49	9.8	1.51	9.0	1.54														
445C9B	2 50 lbs.	325	3786	17376		16030		14650		13245		11044													
				12.8	1.64	12.2	1.72	11.0	1.76	10.2	1.79	9.5	1.75												
		341	3972	18232		16950		15637		14322		12655													
				14.1	1.90	13.6	1.98	12.3	2.02	11.5	2.06	10.8	2.06												
445C10B	3 74 lbs.	366	4263	19568		18376		17159		15933		14639		12643											
				16.1	2.34	15.7	2.44	14.4	2.49	13.6	2.52	12.9	2.56	12.1	2.50										
		391	4555	20905		19790		18656		17504		16356		14977		12666									
18.1	2.86			17.8	2.96	16.6	3.03	15.8	3.06	15.0	3.1	14.3	3.12	13.7	3.02										
445C11B	5 98 lbs.	428	4986	22883		21865		20836		19786		18739		17676		16380		14389							
				21	3.75	21	3.86	20	3.95	18.9	4.00	18.2	4.03	17.6	4.08	16.9	4.09	16.3	3.98						
		465	5417	24861		23925		22981		22022		21052		20092		19100		17912		16211					
25	4.81			25	4.93	24	5.04	23	5.11	22	5.14	21	5.18	20	5.24	19.7	5.25	19.1	5.14						

490 ACEB

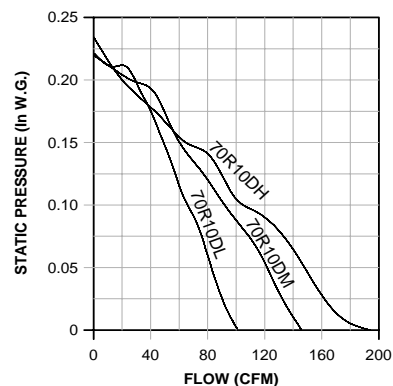
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
490C7B	1 36 lbs.	229	2937	16346		14223		11950																			
				7.8	.93	6.9	.99	6.2	1.02																		
490C8B	1-1/2 38 lbs.	246	3155	17559		15590		13568		9724																	
				9.0	1.15	8.1	1.22	7.3	1.25	6.6	1.17																
		263	3373	18773		16935		15057		12633																	
10.4	1.41			9.6	1.49	8.6	1.52	7.9	1.52																		
490C9B	2 50 lbs.	277	3553	19772		18031		16246		14273																	
				11.5	1.64	10.8	1.73	9.7	1.77	8.9	1.79																
		290	3720	20700		19038		17333		15574		12543															
				12.6	1.89	11.9	1.98	10.8	2.02	10.0	2.06	9.2	1.99														
490C10B	3 74 lbs.	312	4002	22271		20729		19148		17566		15609															
				14.5	2.35	14.0	2.46	12.7	2.51	11.9	2.55	11.2	2.55														
		333	4271	23770		22326		20853		19369		17806		15411													
16.3	2.86			15.9	2.97	14.7	3.04	13.8	3.07	13.1	3.12	12.4	3.05														
490C11B	5 98 lbs.	365	4682	26054		24738		23404		22044		20695		19189		16912											
				19.3	3.76	19.0	3.89	17.8	3.98	16.8	4.02	16.1	4.07	15.5	4.11	14.8	4.02										
		396	5079	28266		27055		25831		24583		23333		22080		20633		18518									
22	4.80			22	4.95	21	5.06	19.9	5.12	19.2	5.16	18.5	5.22	17.8	5.25	17.2	5.14										

540 ACEB

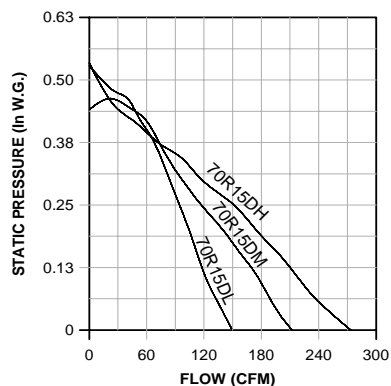
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP		
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
540C8B	1-1/2 38 lbs.	234	3308	18852		16755		14603		11865																
540C9B	2 50 lbs.	258	3647	10.3	1.52	10.6	1.55	10.2	1.55	9.7	1.52															
				20786		18883		16967		14843																
540C10B	3 74 lbs.	277	3916	12.5	2.04	13.0	2.07	12.0	2.07	11.9	2.07															
				22317		20544		18769		16900		14598														
		296	4184	14.3	2.53	14.8	2.55	13.4	2.57	13.7	2.56	13.1	2.53													
23847				22189		20531		18828		16922		14490														
540C11B	5 98 lbs.	315	4453	16.0	3.08	16.4	3.11	15.6	3.13	15.3	3.13	14.9	3.12	14.3	3.05											
				25378		23820		22262		20686		19005		17002												
		334	4721	17.8	3.72	18.2	3.75	17.7	3.77	16.8	3.77	16.8	3.77	16.1	3.74											
				26909		25439		23970		22494		20963		19267		17189										
		352	4976	19.6	4.43	20	4.46	20	4.49	18.3	4.5	18.7	4.49	18.1	4.49	17.3	4.42									
28359				26964		25570		24175		22747		21230		19481		17386										
540C12B	7-1/2 120 lbs.	369	5216	21	5.18	22	5.22	22	5.25	20	5.27	20	5.26	20	5.26	19.3	5.23	18.6	5.14							
				29728		28398		27068		25739		24391		22989		21457		19642		17587						
		386	5456	23	5.97	24	6.01	24	6.05	23	6.07	22	6.06	22	6.06	21	6.05	20	5.99	19.9	5.89					
				31098		29827		28554		27284		26005		24691		23299		21732		19892						
		403	5697	25	6.84	25	6.87	26	6.91	25	6.94	23	6.94	24	6.94	23	6.94	22	6.91	22	6.83					
				32468		31250		30031		28815		27594		26352		25059		23667		22069						
				27	7.78	27	7.82	28	7.86	27	7.89	25	7.90	25	7.90	25	7.90	25	7.89	24	7.84					

Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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. **Shaded area indicates reinforced wheel required.**

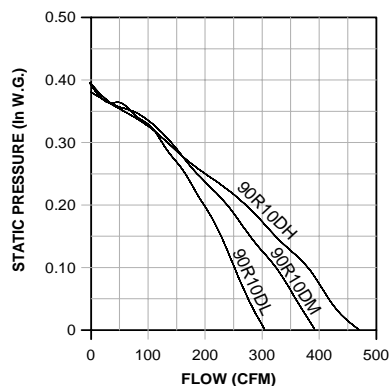
70R10DH, 70R10DM, 70R10DL



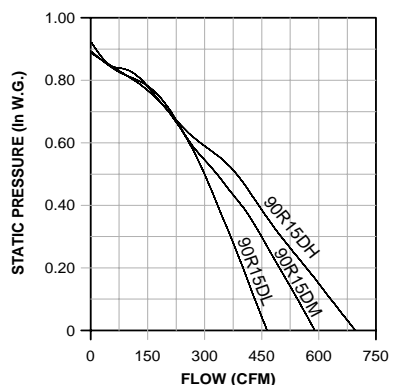
70R15DH, 70R15DM, 70R15DL



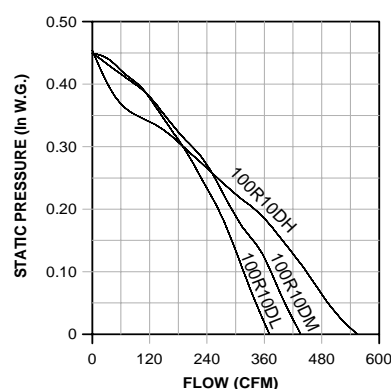
90R10DH, 90R10DM, 90R10DL



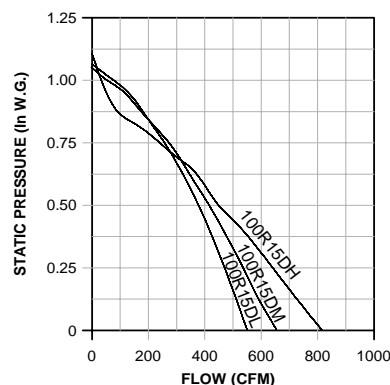
90R15DH, 90R15DM, 90R15DL



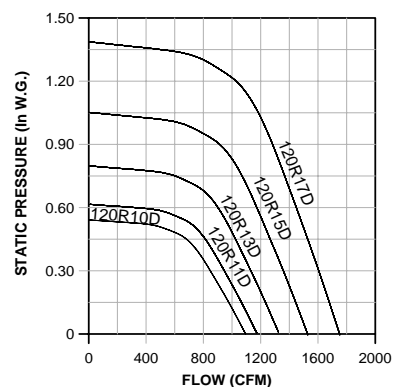
100R10DH, 100R10DM, 100R10DL



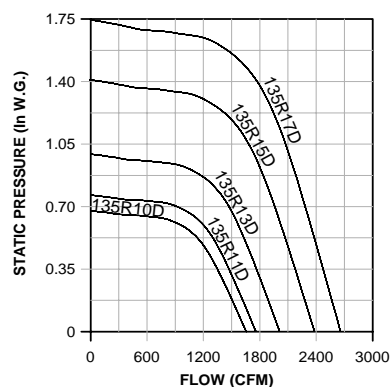
100R15DH, 100R15DM, 100R15DL



**120R10D, 120R11D, 120R13D,
120R15D, 120R17D**



**135R10D, 135R11D, 135R13D,
135R15D, 135R17D**



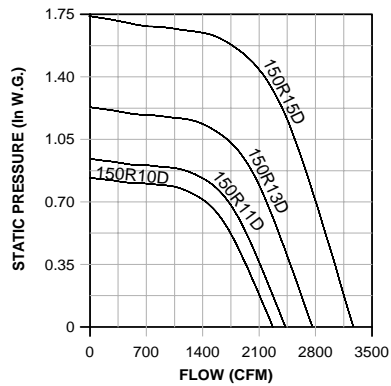
Performance certified is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. Speed (RPM) shown for models 70 - 100 is nominal. Performance is based on actual speed of test. Speed (RPM) for all other models is constant and based on actual speed of test. 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. *Motor is a 2-speed 1300/1550 RPM motor.

Catalog Number	Mtr. HP	Fan RPM	Tip Speed	Max. Watts	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
					Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
70R10DL	1/25	1160	2123	72	100		56																			
					3.4		3.6																			
70R10DM		1150	2105	75	145		76																			
					3.7		3.3																			
70R10DH	1/20	1050	1922	80	194		89																			
					5.0		4.9																			
70R15DL		1720	3112	86	149		117		94																	
					5.5		5.4		4.8																	
70R15DM	1/20	1680	3057	92	211		169		116																	
					6.6		5.9		5.1																	
70R15DH		1550	2837	92	274		210		151																	
					6.4		6.4		5.9																	
90R10DL	1/25	1130	2655	80	306		241		167																	
					4.6		4.2		4.1																	
90R10DM		1110	2596	85	391		299		184																	
					5.2		4.8		4.0																	
90R10DH	1/8	1050	2478	85	470		353		201																	
					4.4		4.3		4.1																	
90R15DL		1710	4047	95	462		422		383		340		297		246		168									
					8.4		8.1		7.9		7.5		7.1		6.7		6.2									
90R15DM	1/8	1680	3841	118	584		526		467		405		325		242		172									
					9.9		9.7		9.6		8.8		8.0		7.3		6.7									
90R10DH		1550	3658	132	696		616		533		456		384		263		166									
					7.8		7.8		7.3		7.1		7.0		6.9		6.8									
100R10DL	1/25	1100	2882	89	370		304		227																	
					6.1		5.9		5.7																	
100R10DM		1090	2817	90	435		358		256		124															
					6.1		5.8		5.5		5.2															
100R10DH	1/8	1050	2751	94	554		424		261																	
					6.6		6.9		6.4																	
100R15DL		1650	4362	130	549		509		468		424		376		320		254		177							
					10.0		9.7		9.4		9.0		8.7		8.8		8.9		9.1							
100R15DM	1/8	1640	4258	139	656		591		537		477		415		346		271		173							
					10.6		10.3		9.9		9.8		9.6		9.7		9.8		9.9							
100R15DH		1550	4061	169	816		727		641		554		449		372		240									
					9.6		9.5		9.4		9.6		9.9		10.2		10.5									
120R10D	1/6	1075	3376	-	1095		998		892		779															
					7.6	.08	7.6	.09	7.1	.09	6.5	.09														
120R11D	1/6	1140	3581	-	1161		1070		971		868		733													
					8.7	.09	8.7	.10	8.3	.11	7.7	.11	7.1	.11												
120R13D	1/4*	1300	4084	-	1324		1244		1161		1072		981		867											
					11.4	.14	11.4	.15	11.1	.16	10.6	.16	10.0	.16	9.4	.16										
120R15D		1550	4869	-	1579		1512		1444		1372		1298		1223		1143		1047		872					
					14.9	.24	14.9	.25	14.9	.26	14.5	.26	14.2	.27	13.9	.27	13.5	.28	13.2	.28	13.0	.27				
120R17D	1/3	1725	5417	-	1757		1697		1637		1574		1509		1442		1374		1304		1227		946			
					17.6	.33	17.6	.34	17.6	.35	17.4	.36	17.1	.37	16.7	.37	16.4	.37	16.1	.38	15.8	.38	15.2	.36		
135R10D	1/6	1075	3795	-	1656		1550		1441		1324		1177													
					9.6	.14	9.6	.15	9.2	.16	8.6	.16	8.0	.16												
135R11D	1/6	1140	4029	-	1756		1657		1555		1447		1325		1140		1325									
					11.2	.16	11.2	.18	10.9	.18	10.3	.19	9.7	.19	9.1	.19	9.7	.19								
135R13D	1/2*	1300	4595	-	2002		1915		1827		1736		1640		1535		1640		1152							
					14.6	.24	14.6	.26	14.5	.27	14.0	.28	13.5	.28	12.8	.28	13.5	.28	11.8	.27						
135R15D		1550	5478	-	2387		2315		2241		2167		2091		2012		2091		1841		1736		1358			
					19.0	.41	19.0	.43	19.0	.44	18.8	.46	18.4	.47	18.1	.47	18.4	.47	17.5	.48	17.1	.48	16.5	.45		
135R17D	3/4	1725	6089	-	2657		2592		2526		2459		2392		2323		2253		2180		2103		1922		1614	
					23	.56	23	.58	23	.60	23	.62	23	.63	23	.64	22	.65	22	.65	22	.66	21	.67	21	.64

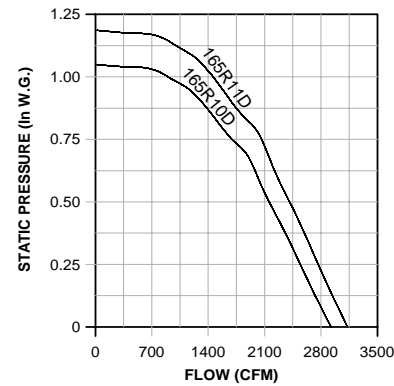
Performance certified is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. Speed (RPM) shown for models 70 - 100 is nominal. Performance is based on actual speed of test. Speed (RPM) for all other models is constant and based on actual speed of test. 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. *Motor is a 2-speed 1300/1550 RPM motor.

150 - 195 ACRUD Data

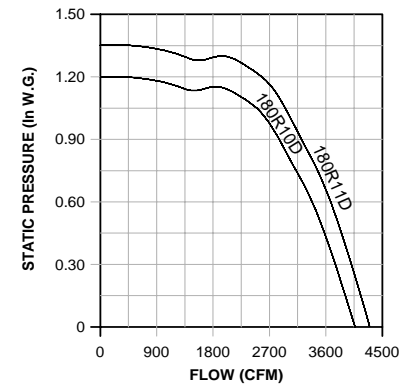
**150R10D, 150R11D, 150R13D,
150R15D**



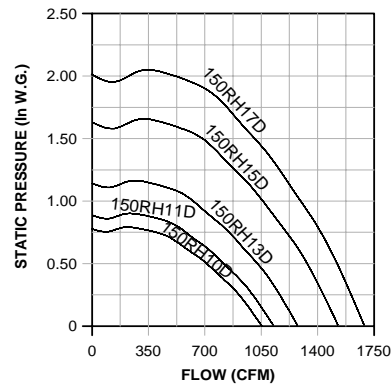
165R10D, 165R11D



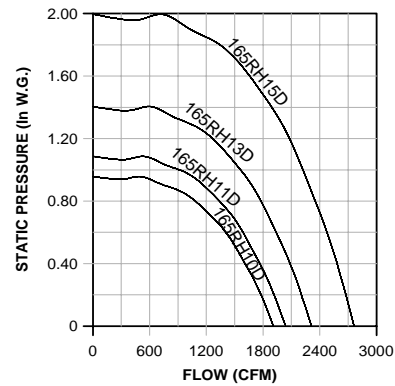
180R10D, 180R11D



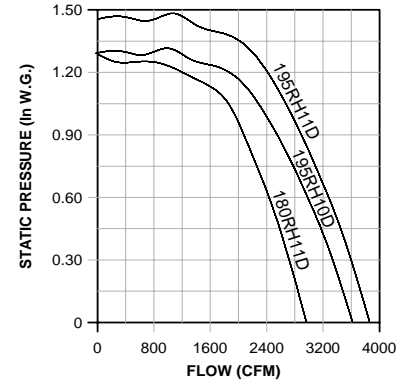
**150RH10D, 150RH11D, 150RH13D,
150RH15D, 150RH17D**



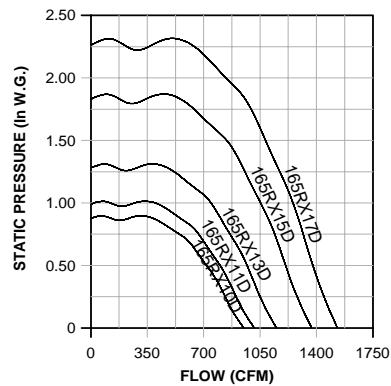
**165RH10D, 165RH11D, 165RH13D,
165RH15D**



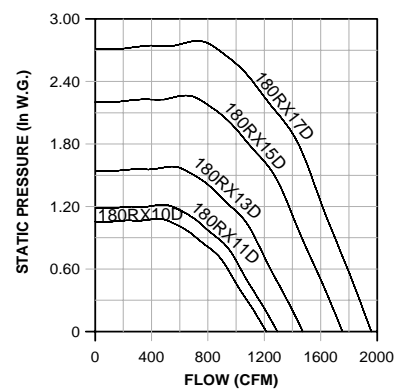
180RH11D, 195RH10D, 195RH11D



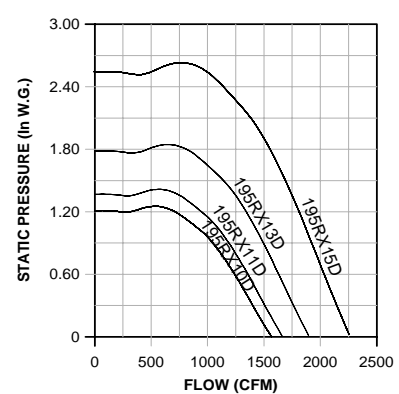
**165RX10D, 165RX11D, 165RX13D,
165RX15D, 165RX17D**



**180RX10D, 180RX11D, 180RX13D,
180RX15D, 180RX17D**



**195RX10D, 195RX11D, 195RX13D,
195RX15D**



Performance certified is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. Speed (RPM) shown for model 165R10 is nominal. Performance is based on actual speed of test. Speed (RPM) for all other models is constant and based on actual speed of test. 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. *Motor is a 2-speed 1300/1550 RPM motor.

150-180 ACRUD

Cat. No.	Mtr. HP	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150R10D	1/3	1075	4225	2272		2154		2035		1910		1775		1601		1258									
				12.1	.23	12.1	.25	11.9	.26	11.4	.27	10.8	.27	10.2	.27	9.6	.25								
150R11D	1/3	1140	4477	2409		2298		2186		2071		1948		1808		1948									
				13.9	.27	13.9	.29	13.7	.31	13.3	.32	12.7	.32	12.1	.32	12.7	.32								
150R13D	3/4*	1300	5105	2747		2650		2553		2453		2351		2244		2351		1989		1791					
				18.0	.41	18.0	.43	18.0	.45	17.6	.46	17.2	.47	16.6	.47	17.2	.47	15.6	.48	15.1	.48				
150R15D	3/4*	1550	6087	3275		3194		3113		3030		2947		2862		2947		2685		2590		2365		1979	
				24	.69	24	.72	24	.74	24	.76	23	.78	23	.79	23	.78	22	.80	22	.81	21	.82	21	.79
165R10D	1/3	1075	4644	2925		2728		2543		2359		2156		1981		1696									
				14.9	.37	14.9	.38	14.8	.39	14.4	.39	13.8	.39	13.3	.39	12.8	.39								
165R11D	3/4	1140	4924	3194		3041		2894		2753		2602		2428		2602		2050							
				16.9	.48	16.9	.50	16.9	.52	16.4	.54	16.0	.55	15.4	.55	16.0	.55	14.4	.55						
180R10D	3/4	1075	5066	4065		3936		3805		3667		3518		3344		3518		2899		2646					
				16.4	.61	16.4	.63	16.3	.65	15.6	.67	14.9	.69	14.4	.70	14.9	.69	13.6	.70	13.2	.69				
180R11D	3/4	1140	5369	4310		4189		4066		3939		3803		3653		3474		3261		3047					
				17.9	.73	17.9	.75	17.9	.77	17.2	.79	16.5	.81	15.9	.83	15.5	.84	15.2	.84	14.8	.83				

150-195 ACRUD-HP

Cat. No.	Mtr. HP	Fan RPM	Tip Speed	0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150RH10D	1/6	1075	4222	988		913		817		711		579													
				6.4	.12	6.5	.12	6.5	.13	6.4	.13	5.9	.13												
150RH11D	1/4	1140	4477	1055		987		904		804		696		566											
				7.2	.14	7.2	.15	7.3	.15	7.3	.15	6.9	.15	6.4	.15										
150RH13D	1/3*	1300	5105	1220		1163		1099		1022		934		846		736		623							
				9.2	.2	9.2	.21	9.1	.22	9.3	.23	9.5	.23	9.1	.23	8.6	.23	8.1	.22						
150RH15D	1/3*	1550	6087	1475		1428		1379		1326		1266		1196		1122		1049		872		668			
				12.4	.34	12.4	.35	12.3	.36	12.2	.37	12.3	.38	12.4	.38	12.4	.39	12.3	.39	11.4	.38	10.6	.36		
150RH17D	1/2	1725	6774	1651		1609		1566		1521		1473		1420		1359		1293		1161		1005		834	
				14.8	.47	14.8	.48	14.8	.49	14.8	.5	14.7	.51	14.7	.52	14.6	.53	14.6	.53	14.4	.53	13.7	.53	13.1	.51
165RH10D	1/3	1075	4644	1830		1742		1633		1514		1375		1175											
				8.9	.22	8.7	.23	8.5	.24	8.3	.25	8.1	.25	8.1	.25										
165RH11D	1/3	1140	4924	1950		1869		1772		1662		1546		1393		1194									
				9.9	.26	9.7	.27	9.5	.28	9.3	.29	9.1	.3	9.0	.3	9.0	.29								
165RH13D	3/4*	1300	5616	2244		2176		2100		2012		1915		1816		1704		1556							
				12.6	.38	12.6	.39	12.3	.41	11.9	.42	11.6	.43	11.6	.44	11.4	.44	11.5	.44						
165RH15D	3/4*	1550	6696	2699		2643		2585		2522		2451		2373		2292		2210		2027		1765		1428	
				16.5	.63	16.5	.65	16.5	.67	16.2	.69	15.9	.7	15.6	.72	15.4	.73	15.1	.74	14.8	.75	14.8	.74	15.0	.72
180RH11D	1/2	1140	5372	2864		2762		2655		2537		2407		2261		2109		1944							
				13.7	.43	13.7	.44	13.5	.46	13.2	.47	12.7	.48	12.2	.49	11.6	.5	11.1	.51						
195RH10D	3/4	1075	5488	3522		3402		3274		3127		2964		2791		2604		2392							
				14.7	.57	14.7	.6	14.3	.62	13.9	.63	13.3	.65	12.6	.66	11.9	.67	11.2	.67						
195RH11D	3/4	1140	5820	3748		3637		3519		3388		3240		3083		2917		2738		2296					
				16.4	.67	16.4	.7	16.2	.73	15.7	.75	15.3	.76	14.4	.77	13.8	.79	13.1	.8	11.9	.79				

165-195 ACRUD-XP

Cat. No.	Mtr. HP	Fan RPM	Tip Speed	0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165RX10D	1/6	1075	4644	884		833		784		718		648		550											
				7.4	.1	7.1	.1	6.8	.11	6.5	.12	6.3	.12	6.1	.12										
165RX11D	1/4	1140	4924	945		895		850		795		728		662		547									
				8.2	.11	7.9	.12	7.7	.13	7.4	.14	7.1	.14	6.9	.15	6.7	.15								
165RX13D	1/3*	1300	5616	1093		1045		1005		965		918		859		802		741		512					
				10.3	.16	10.1	.17	9.9	.18	9.6	.19	9.4	.2	9.1	.21	8.8	.21	8.7	.22	8.4	.21				
1550		6696	1321		1278		1241		1207		1174		1139		1099		1051		954		839		635		
			13.9	.27	13.8	.28	13.6	.3	13.4	.31	13.2	.32	12.9	.33	12.7	.34	12.5	.35	12.0	.36	11.7	.37	11.4	.36	
165RX17D	1/2	1725	7451	1480		1441		1404		1372		1342		1312		1282		1248		1166		1078		988	
				16.3	.37	16.1	.39	16.0	.4	15.8	.41	15.7	.43	15.5	.44	15.3	.45	15.0	.46	14.6	.48	14.2	.49	13.9	.51
180RX10D	1/3	1075	5066	1160		1102		1041		984		930		857		741		614							
				8.7	.14	8.4	.15	8.0	.16	7.8	.17	7.6	.17	7.6	.18	7.6	.19	7.7	.19						
180RX11D	1/4	1140	5372	1236		1182		1125		1069		1018		964		884		773							
				9.6	.16	9.3	.17	9.0	.19	8.7	.19	8.5	.2	8.4	.21	8.4	.22	8.5	.23						
180RX13D	1/2*	1300	6126	1423		1377		1329		1278		1229		1183		1139		1089		918		698			
				12.3	.24	12.0	.25	11.7	.26	11.3	.28	11.1	.29	10.9	.3	10.8	.31	10.7	.32	10.7	.34	11.0	.32		
1550		7304	1713		1675		1636		1595		1553		1511		1470		1430		1356		1266		1112		
			16.9	.39	16.5	.41	16.2	.43	15.8	.44	15.5	.46	15.2	.47	15.0	.49	14.9	.5	14.7	.52	14.5	.54	14.6	.57	
180RX17D	3/4	1725	8129	1914		1880		1846		1810		1774		1736		1698		1660		1589		1522		1448	
				19.7	.54	19.4	.55	19.1	.57	18.8	.59	18.5	.61	18.2	.63	18.1	.64	17.9	.66	17.7	.69	17.6	.71	17.4	.74
195RX10D	1/3	1075	5488	1497		1429		1362		1296		1226		1150		1066		961							
				9.5	.21	9.1	.22	8.7	.23	8.3	.25	8.0	.26	7.8	.27	7.5	.28	7.2	.28						
195RX11D	1/3	1140	5820	1596		1531		1468		1406		1342		1274		1200		1119		883					
				10.6	.24	10.2	.26	9.7	.27	9.4	.29	9.1	.3	8.8	.31	8.5	.32	8.3	.33	7.7	.33				
195RX13D	3/4*	1300	6637	1837		1780		1723		1669		1614		1559		1501		1440		1307		1129			
				13.7	.35	13.2	.37	12.8	.39	12.3	.41	11.9	.42	11.6	.44	11.3	.45	11.1	.46	10.7	.48	10.1	.5		
1550		7913	2210		2162		2114		2067		2021		1975		1929		1883		1787		1684		1571		
			18.8	.59	18.3	.61	17.8	.64	17.4	.66	17.0	.68	16.6	.7	16.2	.72	15.9	.74	15.3	.77	15.0	.79	14.7	.82	

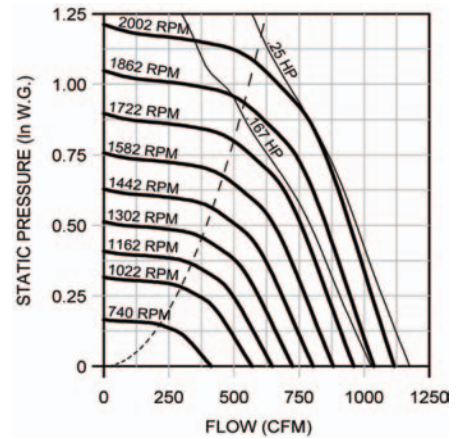
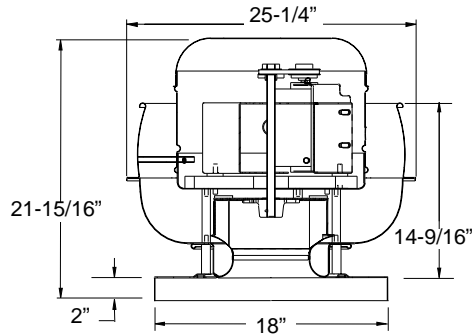
100, 120, 135 ACRUB/ACSC Data

100 ACRUB/ACSC

Wheel Diameter - 10"
Tip Speed (FPM) - $2.6 \times \text{RPM}$
Maximum RPM - 2002
Maximum BHP - $.031 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - 13-1/2" Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .063

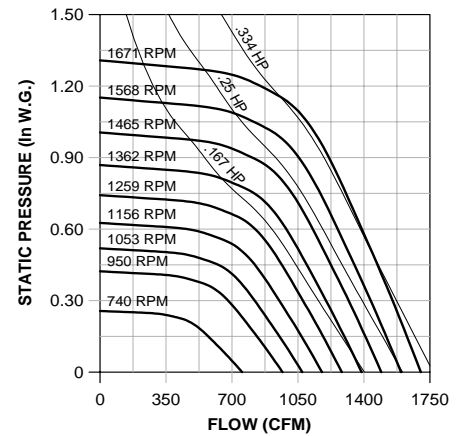
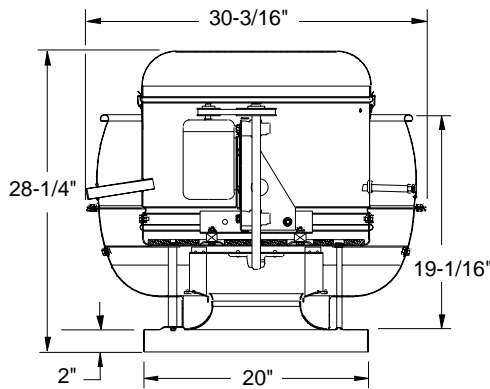


120 ACRUB/ACSC

Wheel Diameter - 12"
Tip Speed (FPM) - $3.1 \times \text{RPM}$
Maximum RPM - 1671
Maximum BHP - $.072 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 61 lbs.
Roof Curb - RCG, RCA-18
Roof Opening - 15-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

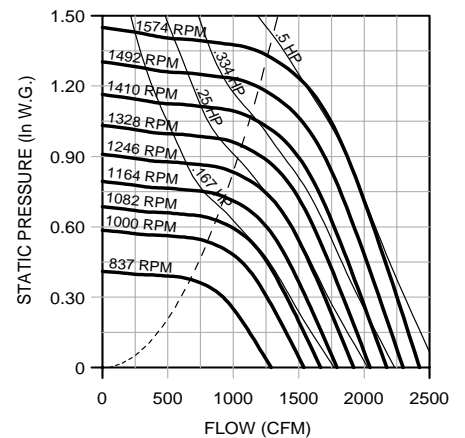
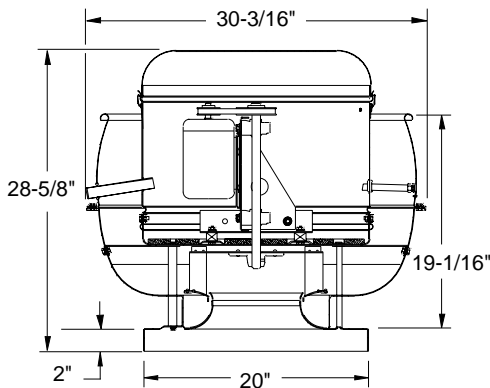


135 ACRUB/ACSC

Wheel Diameter - 13.5"
Tip Speed (FPM) - $3.5 \times \text{RPM}$
Maximum RPM - 1574
Maximum BHP - $.13 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 66 lbs.
Roof Curb - RCG, RCA - 18
Roof Opening - 15-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

100 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
100R2B 100SC2B	1/6* 15 lbs.	740	1937	412		279																			
				1.7	.01	1.6	.01																		
		940	2460	524		433																			
				3.5	.02	3.3	.02																		
		1140	2984	635		560		479																	
				5.8	.04	5.7	.04	5.3	.05																
		1340	3508	747		683		619		542															
100R3B 100SC3B	1/4* 15 lbs.			8.0	.06	7.9	.07	7.7	.07	7.3	.07														
		1540	4031	858		802		747		690		619		469											
				9.8	.10	9.7	.10	9.6	.11	9.3	.11	8.9	.11	8.5	.10										
		1742	4560	970		921		872		824		772		709		592									
		11.7	.14	11.6	.15	11.5	.15	11.4	.16	11.1	.16	10.7	.16	10.3	.16										

*1/6 & 1/4 HP motor available only in single phase ODP type.

120 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
120R2B 120SC2B	1/6 15 lbs.	904	2840	921		803		673																	
				5.2	.05	5.0	.05	4.4	.05																
		1037	3257	1056		955		845		722															
				7.0	.07	7.0	.08	6.5	.08	5.9	.08														
120R3B 120SC3B	1/4 15 lbs.	1170	3675	1192		1103		1008		908		788													
				9.2	.10	9.2	.11	8.9	.11	8.2	.12	7.6	.12												
		1302	4090	1326		1247		1163		1075		983		871											
				11.4	.14	11.4	.15	11.1	.16	10.7	.16	10.0	.16	9.4	.16										
120R4B 120SC4B	1/3 19 lbs.	1367	4294	1393		1317		1238		1154		1069		975		832									
				12.2	.16	12.2	.17	12.0	.18	11.7	.18	11.0	.19	10.4	.19	10.0	.19								
		1432	4498	1459		1386		1312		1233		1152		1067		964		747							
				13.1	.19	13.1	.20	12.9	.21	12.6	.21	12.0	.21	11.6	.22	11.3	.22	10.9	.20						
120R4B 120SC4B	1/3 19 lbs.	1496	4699	1524		1455		1384		1309		1232		1153		1066		944							
				14.0	.21	14.0	.22	13.9	.23	13.6	.24	13.2	.24	12.8	.25	12.5	.25	12.2	.25						
		1549	4866	1578		1511		1443		1371		1297		1222		1142		1045		869					
				14.9	.24	14.9	.25	14.9	.26	14.5	.26	14.2	.27	13.8	.27	13.5	.27	13.2	.28	12.9	.26				
120R4B 120SC4B	1/3 19 lbs.	1602	5032	1632		1567		1502		1433		1361		1289		1214		1130		1015					
				15.8	.26	15.8	.27	15.8	.28	15.5	.29	15.1	.30	14.8	.30	14.5	.30	14.2	.30	13.9	.30				
		1655	5199	1686		1623		1560		1494		1425		1355		1284		1208		1116					
				16.6	.29	16.6	.30	16.6	.31	16.3	.32	16.0	.32	15.6	.33	15.3	.33	15.0	.34	14.7	.34				

135 ACRUB / ACSC

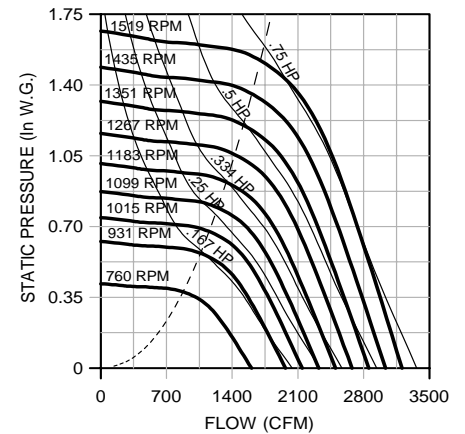
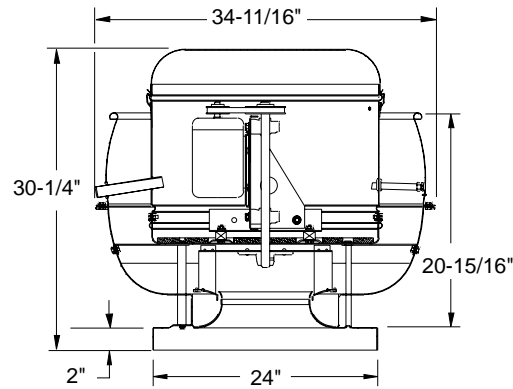
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
135R2B 135SC2B	1/6 15 lbs.	837	2958	1289		1152		1001		676															
				5.7	.06	5.6	.07	5.0	.08	4.4	.07														
		957	3382	1474		1355		1230		1081															
				7.6	.10	7.5	.11	7.1	.11	6.5	.11														
135R3B 135SC3B	1/4 15 lbs.	1132	4000	1744		1643		1541		1432		1308		1113											
				11.0	.16	11.0	.17	10.7	.18	10.1	.18	9.5	.19	8.9	.19										
		1186	4191	1827		1731		1634		1532		1420		1275		971									
				12.2	.18	12.2	.20	12.0	.21	11.5	.21	10.8	.22	10.2	.22	9.7	.20								
135R4B 135SC4B	1/3 19 lbs.	1306	4615	1910		1819		1726		1629		1527		1406		1219									
				13.5	.21	13.5	.22	13.3	.23	12.9	.24	12.2	.24	11.6	.25	11.0	.24								
		1371	4845	2012		1925		1837		1747		1652		1548		1415		1182							
				14.7	.24	14.7	.26	14.6	.27	14.1	.28	13.6	.28	12.9	.29	12.4	.29	12.0	.28						
135R5B 135SC5B	1/2 23 lbs.	1473	5206	2112		2029		1946		1860		1772		1677		1569		1419		1130					
				15.7	.28	15.7	.30	15.7	.31	15.3	.32	14.9	.33	14.2	.33	13.8	.33	13.5	.33	13.1	.30				
		1574	5562	2269		2192		2115		2036		1955		1871		1781		1677		1538					
				17.4	.35	17.4	.37	17.4	.38	17.1	.40	16.8	.40	16.5	.41	16.1	.41	15.7	.41	15.4	.42				
135R5B 135SC5B	23 lbs.	1574	5562	2424		2353		2280		2207		2132		2055		1975		1889		1791		1470			
				19.5	.43	19.5	.45	19.5	.46	19.3	.48	19.0	.49	18.7	.49	18.3	.50	18.0	.50	17.7	.51	17.1	.49		

150 ACRUB / ACSC

Wheel Diameter - 15"
Tip Speed (FPM) - $3.9 \times \text{RPM}$
Maximum RPM - 1520
Maximum BHP - $.22 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 77 lbs.
Roof Curb - RCG, RCA - 22
Roof Opening - 19-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

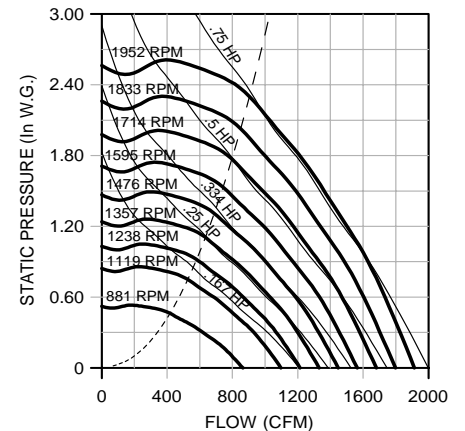
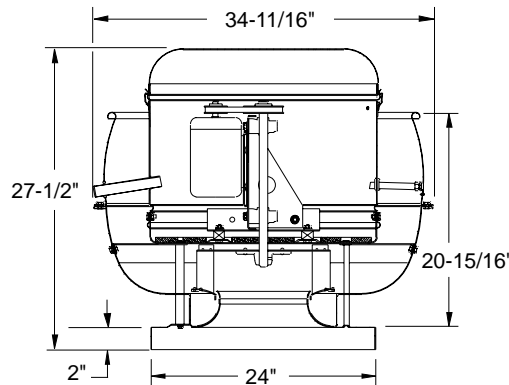


150 ACRUB-HP / ACSC-HP

Wheel Diameter - 15"
Tip Speed (FPM) - $3.9 \times \text{RPM}$
Maximum RPM - 1952
Maximum BHP - $.10 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 143T
Approx. Ship Wt. (Less Motor) - 77 lbs.
Roof Curb - RCG, RCA - 22
Roof Opening - 19-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

150 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150R2B	1/6	760	2984	1606		1439		1254		889															
				6.0	.08	5.9	.09	5.3	.10	4.7	.09														
150SC2B	15 lbs.	832	3267	1758		1606		1444		1238															
				7.1	.11	7.0	.12	6.6	.12	5.9	.13														
		904	3550	1910		1770		1625		1462		1193													
				8.4	.14	8.4	.15	8.0	.16	7.4	.16	6.8	.16												
150R3B	1/4	972	3817	2054		1924		1790		1647		1468													
				9.7	.17	9.7	.19	9.4	.20	8.9	.20	8.3	.20												
150SC3B	15 lbs.	1040	4084	2198		2076		1952		1822		1677		1469											
				11.3	.21	11.3	.22	11.1	.24	10.5	.24	9.9	.25	9.4	.25										
150R4B	1/3	1149	4512	2428		2318		2207		2093		1971		1835		1648									
				14.1	.28	14.1	.30	14.0	.31	13.6	.32	13.0	.33	12.4	.33	11.8	.33								
150R5B	1/2	1235	4849	2610		2508		2405		2299		2190		2074		1940		1756							
				16.6	.35	16.6	.37	16.5	.39	16.1	.40	15.7	.40	15.0	.41	14.4	.41	13.8	.41						
150SC5B	23 lbs.	1320	5183	2789		2694		2598		2500		2400		2295		2183		2052		1877					
				18.4	.43	18.4	.45	18.4	.47	18.0	.48	17.6	.49	17.1	.50	16.5	.50	16.0	.51	15.7	.51				
150R6B	3/4	1420	5576	3001		2912		2823		2733		2641		2546		2447		2342		2221		1834			
				20	.53	20	.55	20	.58	20	.59	19.8	.61	19.4	.61	19.0	.62	18.6	.62	18.3	.63	17.6	.61		
150SC6B	31 lbs.	1519	5965	3210		3127		3044		2960		2875		2788		2698		2605		2506		2260			
				23	.65	23	.67	23	.70	23	.72	22	.73	22	.75	22	.75	21	.76	21	.76	20	.77		

150 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150RH2B	1/6	881	3459	672		536		339																	
				4.4	.07	4.1	.07	3.7	.06																
150SCH2B	15 lbs.	1162	4563	1012		932		835		606															
				7.4	.15	7.5	.16	7.6	.16	6.8	.16														
150RH3B	1/4	1249	4904	1108		1039		954		763		491													
				8.5	.19	8.6	.20	8.7	.20	8.2	.20	7.3	.18												
150SCH3B	15 lbs.	1336	5246	1202		1141		1069		899		689													
				9.6	.23	9.6	.24	9.8	.24	9.8	.25	8.7	.24												
150RH4B	1/3	1407	5525	1277		1221		1158		1000		818		587											
				10.6	.26	10.4	.27	10.6	.28	10.9	.29	10.0	.29	9.1	.27										
150SCH4B	19 lbs.	1478	5804	1352		1300		1242		1098		940		743											
				11.4	.30	11.3	.31	11.3	.32	11.6	.34	11.1	.33	10.2	.33										
150RH5B	1/2	1587	6232	1466		1419		1368		1245		1102		940		753									
				12.9	.37	12.8	.38	12.8	.39	12.8	.41	12.9	.42	12.0	.41	11.3	.40								
150SCH5B	23 lbs.	1696	6660	1579		1536		1489		1384		1253		1118		952		775							
				14.4	.45	14.4	.46	14.3	.47	14.3	.49	14.2	.51	13.9	.50	13.2	.50	12.6	.48						
150RH6B	3/4	1824	7162	1711		1671		1629		1538		1427		1301		1174		1014		852					
				16.2	.56	16.2	.57	16.2	.58	16.2	.60	16.2	.62	16.1	.63	15.6	.63	15.1	.62	14.7	.60				
150SCH6B	31 lbs.	1952	7665	1842		1805		1766		1685		1591		1477		1361		1239		1087		938			
				18.5	.68	18.5	.69	18.5	.71	18.4	.73	18.3	.75	18.3	.77	18.3	.77	17.8	.77	17.4	.76	17.1	.74		

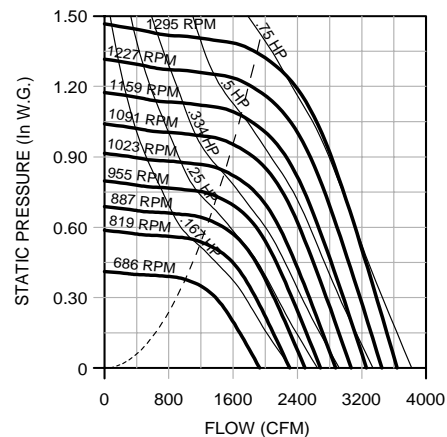
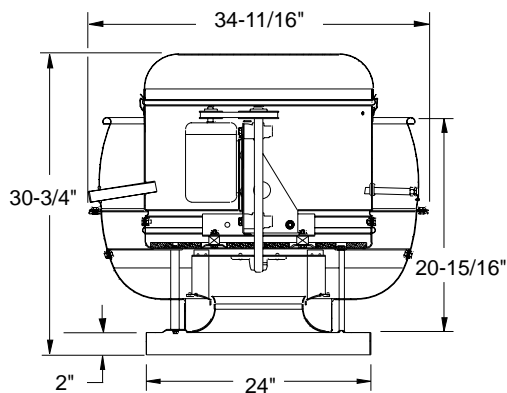
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

165 ACRUB / ACSC

Wheel Diameter - 16.5 inches
Tip Speed (FPM) - 4.3 x RPM
Maximum RPM - 1295
Maximum BHP - .35 x (RPM/1000)³
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 83 lbs.
Roof Curb - RCG, RCA - 22
Roof Opening - 19-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

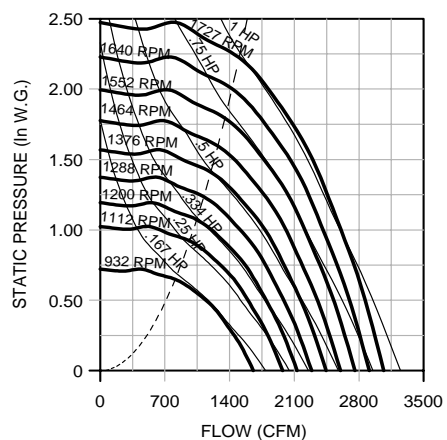
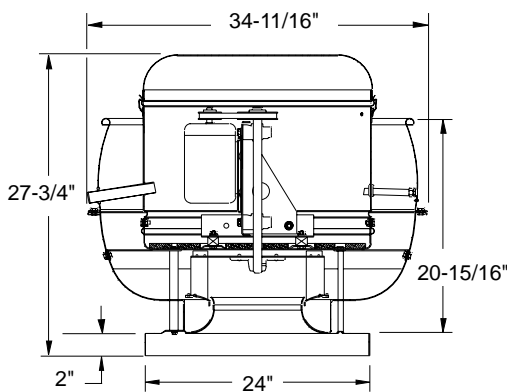


165 ACRUB-HP / ACSC-HP

Wheel Diameter - 16.5 inches
Tip Speed (FPM) - 4.3 x RPM
Maximum RPM - 1728
Maximum BHP - .20 x (RPM/1000)³
Maximum Motor Frame - 143T
Approx. Ship Wt. (Less Motor) - 83 lbs.
Roof Curb - RCG, RCA - 22
Roof Opening - 19-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

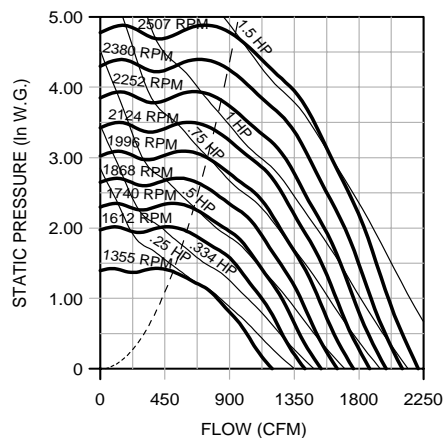
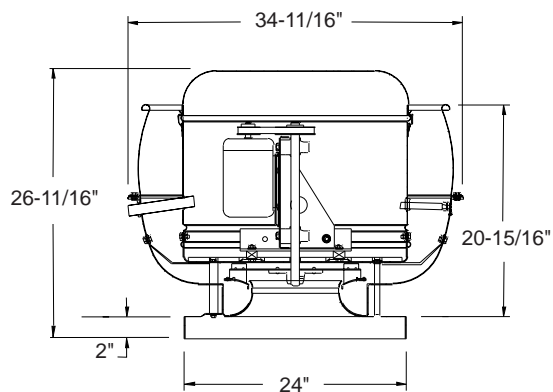


165 ACRUB-XP / ACSC-XP

Wheel Diameter - 16.5 inches
Tip Speed (FPM) - 4.3 x RPM
Maximum RPM - 2508
Maximum BHP - .19 x (RPM/1000)³
Maximum Motor Frame - 143T
Approx. Ship Wt. (Less Motor) - 83 lbs.
Roof Curb - RCG, RCA - 22
Roof Opening - 19-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

165 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165R2B	1/6	686	2963	1929		1725		1500		1024															
				6.3	.10	6.2	.11	5.5	.11	4.8	.10														
165SC2B	15 lbs.	771	3330	2168		1988		1797		1564															
				7.6	.14	7.6	.15	7.1	.16	6.4	.16														
165R3B	1/4	829	3581	2331		2164		1990		1796		1492													
				8.7	.17	8.7	.19	8.3	.20	7.7	.20	7.1	.20												
165SC3B	15 lbs.	887	3831	2494		2338		2177		2004		1792		1337											
				10.0	.21	10.0	.23	9.6	.24	9.1	.24	8.5	.25	7.9	.22										
165R4B	1/3	933	4030	2624		2475		2323		2163		1981		1706											
				11.1	.24	11.1	.26	10.8	.28	10.3	.28	9.7	.29	9.1	.29										
165SC4B	19 lbs.	980	4233	2756		2615		2471		2320		2157		1950		1550									
				12.3	.28	12.3	.30	12.1	.32	11.7	.33	11.0	.33	10.4	.33	9.9	.31								
165R5B	1/2	1052	4544	2958		2827		2694		2556		2411		2249		2033		1608							
				14.3	.35	14.3	.37	14.1	.39	13.7	.40	13.2	.41	12.6	.41	12.1	.41	11.6	.38						
165SC5B	23 lbs.	1125	4859	3164		3041		2917		2790		2657		2517		2356		2138		1723					
				16.4	.43	16.4	.45	16.4	.47	16.0	.49	15.5	.49	14.9	.50	14.4	.50	13.9	.51	13.5	.46				
165R6B	3/4	1210	5226	3403		3289		3174		3057		2936		2811		2677		2525		2323					
				19.2	.53	19.2	.56	19.2	.58	18.8	.60	18.5	.61	17.9	.62	17.2	.62	16.6	.63	16.2	.63				
165SC6B	31 lbs.	1295	5594	3642		3535		3428		3319		3208		3094		2975		2848		2705		2251			
				22	.65	22	.68	22	.70	21	.72	21	.74	21	.75	20	.76	19.4	.76	18.9	.77	18.1	.75		

165 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165RH2B	1/6	932	4025	1450		1314		1141																	
165SCH2B	15 lbs.			6.7	.16	6.5	.16	6.2	.16																
165RH3B	1/4	1072	4630	1736		1626		1507		1165															
165SCH3B	15 lbs.			8.7	.23	8.4	.24	8.3	.25	8.0	.24														
165RH4B	1/3	1128	4872	1846		1747		1635		1355															
				9.5	.26	9.3	.28	9.1	.29	8.8	.29														
165SCH4B	19 lbs.	1185	5118	1957		1866		1762		1527		1142													
				10.5	.30	10.2	.32	9.9	.33	9.7	.34	9.8	.32												
165RH5B	1/2	1273	5498	2125		2046		1954		1752		1466													
				12.1	.37	11.8	.39	11.5	.40	11.1	.41	11.2	.41												
165SCH5B	23 lbs.	1361	5879	2291		2221		2140		1956		1742		1421											
				13.5	.45	13.3	.46	13.0	.48	12.4	.50	12.3	.51	12.4	.50										
165RH6B	3/4	1463	6319	2482		2419		2349		2184		2007		1771		1448									
				15.1	.55	14.9	.57	14.7	.59	14.1	.61	13.7	.63	13.7	.63	13.8	.61								
165SCH6B	31 lbs.	1566	6764	2673		2615		2553		2408		2246		2069		1819		1503							
				16.8	.67	16.8	.69	16.5	.71	15.9	.74	15.4	.76	15.0	.77	15.1	.76	15.2	.75						
165RH7B	1	1646	7110	2820		2767		2709		2577		2426		2268		2074		1809		1467					
				18.2	.77	18.2	.79	18.0	.81	17.4	.85	16.9	.88	16.4	.90	16.2	.90	16.1	.88	16.2	.85				
165SCH7B	36 lbs.	1727	7460	2969		2918		2865		2745		2604		2457		2297		2082		1817					
				19.6	.89	19.6	.91	19.5	.93	19.0	.97	18.5	1.01	18.1	1.03	17.8	1.04	17.6	1.03	17.4	1.02				

165 ACRUB-XP / ACSC-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165RX3B	1/4	1355	5853	814		637																			
165SCX3B	15 lbs.			9.4	.24	9.1	.25																		
165RX4B	1/3	1498	6470	988		889		728																	
165SCX4B	19 lbs.			11.7	.32	11.3	.33	10.9	.33																
165RX5B	1/2	1609	6950	1121		1025		931		766		519													
				13.3	.38	12.9	.40	12.5	.41	12.3	.41	12.0	.37												
165SCX5B	23 lbs.	1720	7429	1243		1160		1072		981		818		614											
				15.0	.46	14.5	.48	14.1	.49	13.9	.50	13.7	.50	13.5	.47										
165RX6B	3/4	1850	7991	1376		1310		1229		1148		1065		926		753									
				16.9	.56	16.5	.58	16.1	.59	15.7	.61	15.5	.62	15.3	.63	15.2	.61								
165SCX6B	31 lbs.	1979	8548	1503		1448		1382		1304		1229		1152		1040		681							
				19.1	.67	18.6	.69	18.1	.71	17.8	.73	17.4	.74	17.2	.76	17.1	.77	16.9	.71						
165RX7B	1	2081	8989	1601		1551		1495		1427		1352		1281		1207		947							
				21	.76	20	.79	20	.82	19.6	.84	19.1	.85	18.7	.87	18.6	.88	18.5	.89						
165SCX7B	36 lbs.	2183	9129	1698		1651		1602		1544		1476		1405		1338		1170		876					
				23	.86	22	.90	22	.93	21	.95	21	.97	21	.99	20	1.00	20	1.04	19.9	.99				
165RX8B	1-1/2	2345	10129	1851		1807		1764		1717		1663		1601		1534		1408		1238		964			
				26	1.05	25	1.09	25	1.12	25	1.15	24	1.18	24	1.20	23	1.22	23	1.25	22	1.29	22	1.24		
165SCX8B	38 lbs.	2507	10829	2003		1961		1921		1880		1836		1786		1729		1606		1488		1324		1068	
				29	1.26	29	1.30	28	1.34	28	1.37	27	1.41	27	1.44	27	1.46	26	1.50	25	1.54	25	1.57	25	1.53

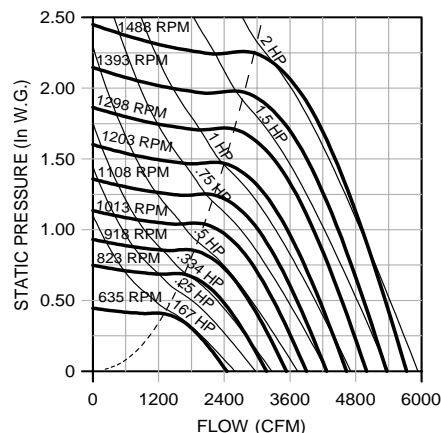
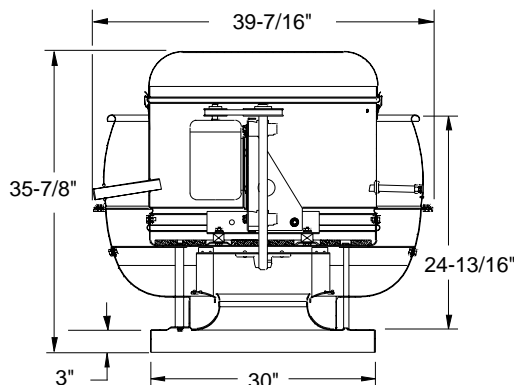
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

180 ACRUB/ACSC

Wheel Diameter - 18 inches
Tip Speed (FPM) - 4.7 x RPM
Maximum RPM - 1546
Maximum BHP - .57 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .080

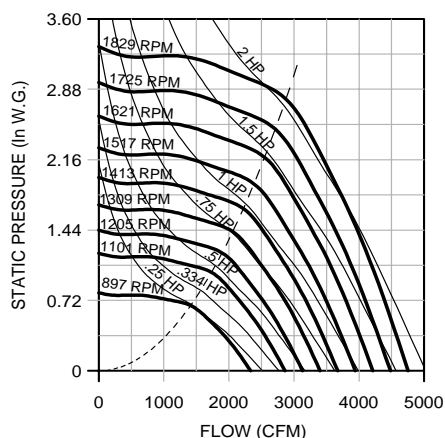
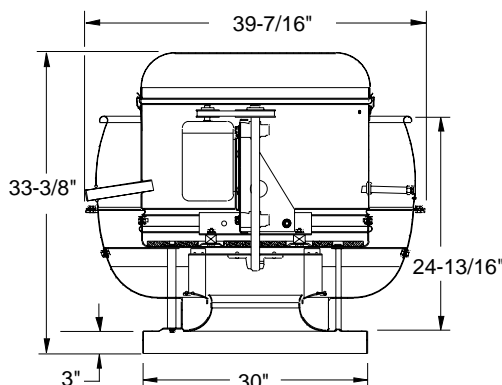


180 ACRUB-HP/ACSC-HP

Wheel Diameter - 18 inches
Tip Speed (FPM) - 4.7 x RPM
Maximum RPM - 1829
Maximum BHP - .31 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .080

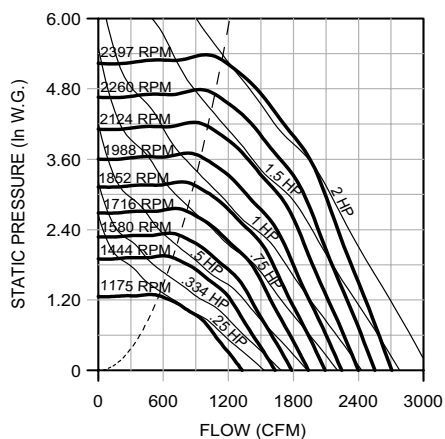
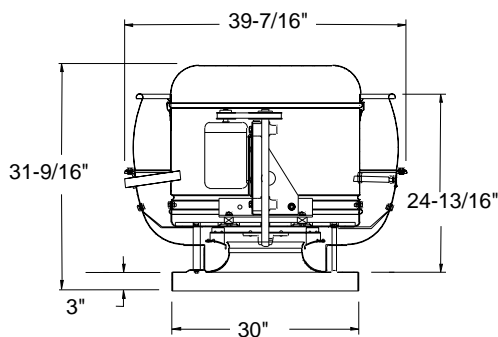


180 ACRUB-XP/ACSC-XP

Wheel Diameter - 18 inches
Tip Speed (FPM) - 4.7 x RPM
Maximum RPM - 2396
Maximum BHP - .15 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

180 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
180R2B	1/6	635	2992	2446		2214		1945		1541															
180SC2B	15 lbs.			5.9	.14	5.6	.15	5.0	.16	4.5	.16														
180R3B	1/4	730	3440	2812		2612		2395		2138		1751													
180SC3B	15 lbs.			7.6	.21	7.5	.23	6.9	.24	6.5	.25	6.0	.24												
180R4B	1/3	807	3802	3109		2928		2738		2526		2272		1872											
180SC4B	19 lbs.			9.3	.29	9.3	.30	8.7	.32	8.2	.33	7.7	.33	7.3	.32										
180R5B	1/2	927	4368	3571		3414		3253		3082		2893		2677		2401									
180SC5B	23 lbs.			12.2	.43	12.2	.45	11.8	.47	11.2	.49	10.7	.50	10.3	.51	9.9	.50								
180R6B	3/4	1066	5023	4106		3970		3832		3690		3539		3376		3199		2997		2741					
180SC6B	31 lbs.			16.1	.66	16.1	.68	16.0	.71	15.3	.73	14.6	.74	14.2	.76	13.8	.77	13.4	.77	13.0	.76				
180R7B	1	1176	5541	4530		4407		4283		4155		4023		3885		3738		3579		3405		2948			
180SC7B	36 lbs.			18.6	.89	18.6	.91	18.6	.94	18.1	.96	17.4	.98	16.7	1.00	16.3	1.01	15.9	1.02	15.5	1.03	14.8	1.02		
180R8B	1-1/2	1264	5956	4869		4755		4639		4522		4402		4277		4146		4007		3860		3523		3029	
				21	1.10	21	1.13	21	1.16	20	1.18	19.7	1.20	19.0	1.23	18.4	1.24	18.0	1.26	17.6	1.27	16.9	1.28	16.3	1.25
180SC8B	38 lbs.	1351	6366	5204		5097		4989		4880		4769		4655		4536		4413		4283		3999		3658	
				23	1.35	23	1.37	23	1.40	23	1.43	22	1.46	21	1.48	21	1.50	20	1.52	20	1.54	19.3	1.56	18.6	1.56
180R9B	2	1419	6686	5466		5364		5262		5158		5053		4946		4835		4721		4601		4345		4054	
				24	1.56	24	1.59	24	1.62	24	1.65	24	1.68	23	1.70	23	1.73	22	1.75	22	1.77	21	1.80	20	1.81
180SC9B	50 lbs.	1488	7012	5732		5635		5537		5439		5339		5238		5134		5027		4916		4681		4423	
				26	1.80	26	1.83	26	1.86	26	1.89	26	1.92	25	1.95	25	1.98	24	2.00	24	2.02	23	2.06	22	2.08

180 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
180RH3B	1/4	897	4227	2068		1910		1724																	
180SCH3B	15 lbs.			8.8	.22	8.4	.23	7.9	.24																
180RH4B	1/3	992	4674	2344		2212		2060		1704															
180SCH4B	19 lbs.			10.6	.30	10.3	.31	9.9	.32	8.8	.33														
180RH5B	1/2	1139	5367	2759		2652		2534		2258		1939													
180SCH5B	23 lbs.			13.7	.44	13.5	.46	13.1	.47	12.2	.49	11.0	.51												
180RH6B	3/4	1225	5772	2998		2900		2796		2557		2278													
180SCH6B	31 lbs.	1311	6177	15.5	.55	15.4	.56	15.1	.58	14.3	.60	13.3	.62												
				3234		3144		3050		2839		2592		2323											
				17.6	.66	17.5	.68	17.2	.70	16.6	.72	15.6	.75	14.4	.77										
180RH7B	1	1446	6814	3602		3521		3438		3260		3057		2827		2583									
180SCH7B	36 lbs.			20	.88	20	.90	20	.92	19.5	.95	18.7	.98	17.8	1.01	16.8	1.03								
180RH8B	1-1/2	1553	7318	3891		3817		3741		3580		3403		3204		2984		2756							
180SCH8B	38 lbs.	1660	7822	22	1.08	22	1.11	22	1.13	22	1.17	21	1.19	20	1.22	19.5	1.26	18.7	1.28						
				4178		4109		4039		3893		3735		3561		3367		3159		2945		2674			
				25	1.32	25	1.34	25	1.37	24	1.41	24	1.44	23	1.47	22	1.51	22	1.54	21	1.57	20	1.56		
180RH9B	2	1744	8218	4403		4338		4271		4134		3988		3829		3655		3464		3264		3057		2785	
180SCH9B	50 lbs.	1829	8618	27	1.52	27	1.55	27	1.57	27	1.62	26	1.66	25	1.69	25	1.72	24	1.76	23	1.80	22	1.82	22	1.80
				4630		4568		4505		4376		4240		4093		3935		3761		3575		3385		3185	
				29	1.75	29	1.78	29	1.80	29	1.86	28	1.90	28	1.93	27	1.96	26	2.00	26	2.05	25	2.08	24	2.10

180 ACRUB-XP / ACSC-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP		
180RX3B	1/4	1175	5537	848		595																					
180SCX3B	15 lbs.			8.9	.25	9.1	.23																				
180RX4B	1/3	1300	6126	1089		918		698																			
180SCX4B	19 lbs.			10.7	.32	10.7	.34	11.0	.32																		
180RX5B	1/2	1492	7030	1354		1274		1156		988		774															
180SCX5B	23 lbs.			14.0	.45	13.7	.47	13.6	.50	14.0	.51	14.3	.48														
180RX6B	3/4	1717	8091	1650		1578		1511		1436		1322		1174		1022											
180SCX6B	31 lbs.			17.8	.65	17.6	.68	17.4	.70	17.3	.73	17.2	.76	17.4	.77	17.7	.76										
180RX7B	1	1805	8505	1764		1694		1629		1564		1486		1368		1227											
180SCX7B	36 lbs.	1894	8925	19.3		.74		19.1		.77		19.0		.80		18.8		.83		18.7		.85		18.7		.89	
				18.9		.90																					
				1879		1811		1746		1685		1622		1543		1422		1155									
				21		.84		21		.88		21		.91		20		.94		20		.96		20		.99	
				20		.99		20		1.03		21		1.02													
180RX8B	1-1/2	2034	9585	2058		1993		1930		1871		1814		1756		1688		1466		1216							
180SCX8B	38 lbs.	2175	10249	24		1.02		23		1.06		23		1.10		23		1.13		23		1.16		23		1.19	
				23		1.22		23		1.27		23		1.28		23		1.32		23		1.36		23		1.40	
				2235		2175		2115		2056		2001		1948		1894		1760		1536		1301					
				26		1.22		26		1.27		26		1.31		26		1.34		26		1.38		26		1.41	
				25		1.44		25		1.48		25		1.52		25		1.56		26		1.60		26		1.64	
180RX9B	2	2286	10772	2372		2316		2258		2201		2146		2094		2044		1938		1780		1558		1320			
180SCX9B	50 lbs.	2397	11295	28		1.40		28		1.45		28		1.49		28		1.53		28		1.57		28		1.61	
				28		1.65		30		1.69		30		1.73		30		1.77		30		1.81		30		1.85	
				31		1.60		30		1.65		30		1.69		30		1.73		30		1.77		30		1.81	
				31		1.65		30		1.69		30		1.73		30		1.77		30		1.81		30		1.85	

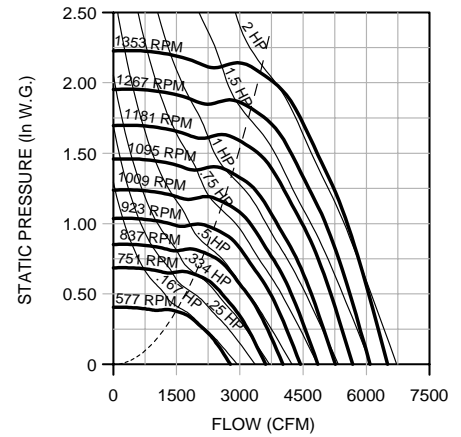
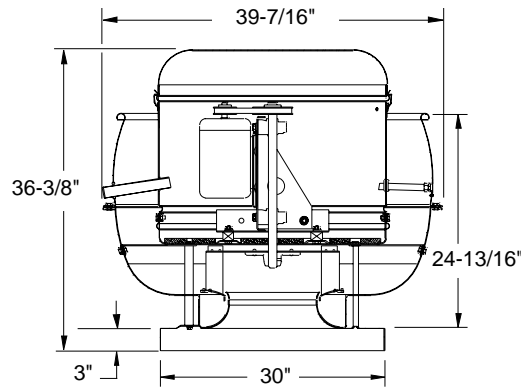
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

195 ACRUB / ACSC

Wheel Diameter - 19.5 inches
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 1353
Maximum BHP - .85 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 110 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .080

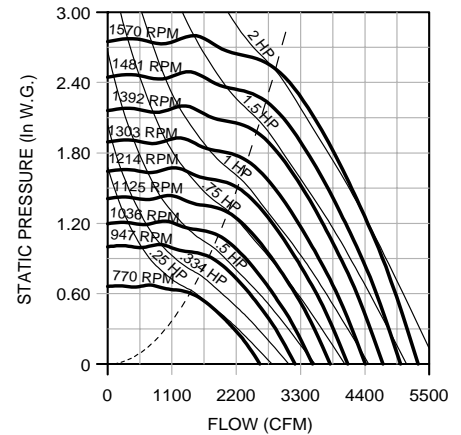
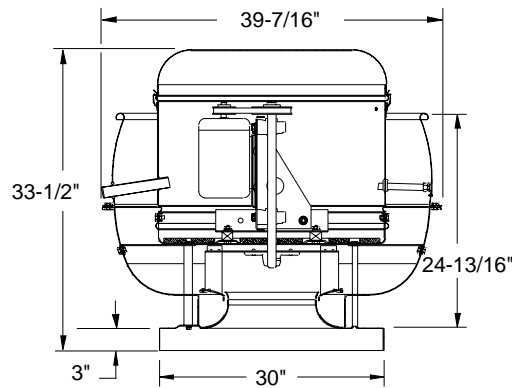


195 ACRUB-HP / ACSC-HP

Wheel Diameter - 19.5 inches
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 1570
Maximum BHP - .54 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 110 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .080

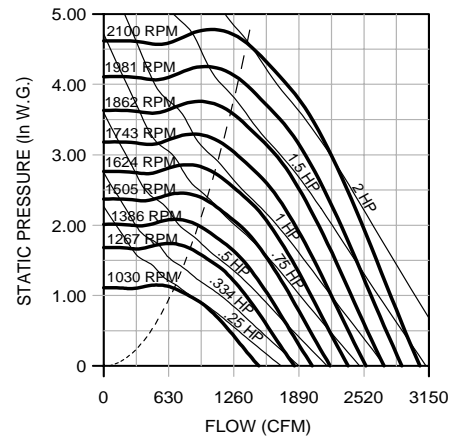
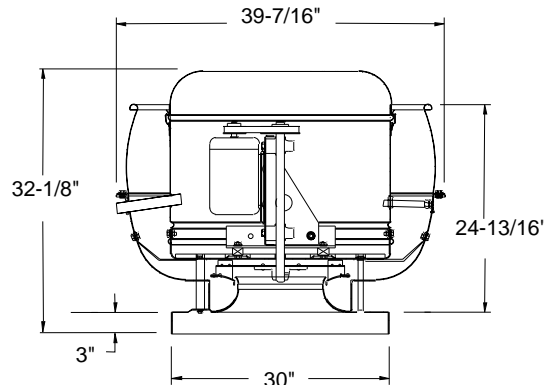


195 ACRUB-XP / ACSC-XP

Wheel Diameter - 19.5 inches
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 2100
Maximum BHP - .23 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 110 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

195 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
195R2B	1/6	577	2945	2774		2506		2147		1510															
195SC2B	15 lbs.			6.0	.14	5.7	.15	5.0	.16	4.6	.15														
195R3B	1/4	664	3389	3192		2963		2702		2329															
195SC3B	15 lbs.			7.5	.21	7.4	.23	6.8	.24	6.3	.25														
195R4B	1/3	734	3747	3528		3323		3100		2816		2454													
195SC4B	19 lbs.			9.1	.29	9.1	.31	8.5	.32	8.0	.33	7.5	.33												
195R5B	1/2	842	4298	4047		3869		3683		3476		3214		2899		2513									
195SC5B	23 lbs.			11.9	.44	11.9	.46	11.5	.48	10.8	.49	10.3	.50	9.9	.50	9.5	.49								
195R6B	3/4	969	4946	4658		4504		4345		4178		3995		3776		3505		3231		2865					
195SC6B	31 lbs.			15.7	.67	15.7	.69	15.5	.71	14.9	.74	14.2	.75	13.8	.76	13.4	.77	12.9	.76	12.5	.74				
195R7B	1	1069	5457	5139		4999		4857		4710		4554		4384		4184		3943		3695		3009			
195SC7B	36 lbs.			19.0	.89	19.0	.92	19.0	.95	18.4	.97	17.7	1.00	17.1	1.01	16.7	1.03	16.2	1.03	15.9	1.03	15.2	.98		
195R8B	1-1/2	1149	5865	5523		5393		5262		5127		4986		4837		4674		4484		4259		3792			
195SC8B	38 lbs.	1228	6269	5903		5781		5659		5534		5405		5270		5127		4970		4791		4363		3912	
				23	1.35	23	1.39	23	1.42	23	1.45	22	1.48	22	1.50	21	1.53	21	1.54	20	1.56	19.5	1.56	18.7	1.54
195R9B	2	1290	6585	6201		6085		5969		5851		5729		5604		5472		5332		5178		4799		4386	
195SC9B	50 lbs.	1353	6907	25	1.57	25	1.60	25	1.64	25	1.67	24	1.70	24	1.73	23	1.75	22	1.78	22	1.79	21	1.81	21	1.80
				6504		6394		6283		6170		6056		5938		5816		5687		5550		5226		4834	
				27	1.81	27	1.85	27	1.88	27	1.92	26	1.95	26	1.98	25	2.01	24	2.03	24	2.05	23	2.09	22	2.09

195 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
195RH3B	1/4	770	3930	2251		2019		1747																	
195SCH3B	15 lbs.			7.6	.23	7.1	.24	6.4	.25																
195RH4B	1/3	851	4344	2571		2374		2155																	
195SCH4B	19 lbs.			9.3	.31	8.8	.32	8.2	.33																
195RH5B	1/2	977	4987	3044		2893		2718		2318															
195SCH5B	23 lbs.			12.3	.45	11.8	.47	11.2	.48	10.0	.50														
195RH6B	3/4	1051	5365	3315		3182		3029		2680		2254													
195SCH6B	31 lbs.	1124	5738	14.1	.56	13.7	.58	13.3	.59	12.0	.62	10.6	.63												
				3579		3459		3324		3012		2656		2179											
				16.0	.68	15.7	.70	15.3	.72	13.9	.74	12.7	.77	11.4	.75										
195RH7B	1	1240	6330	3994		3888		3775		3513		3217		2883		2453									
195SCH7B	36 lbs.			18.8	.89	18.8	.92	18.4	.95	17.6	.98	16.1	1.01	14.7	1.03	13.6	1.01								
195RH8B	1-1/2	1332	6799	4319		4223		4121		3892		3629		3342		3016		2594							
195SCH8B	38 lbs.	1424	7269	21	1.10	21	1.13	21	1.16	19.9	1.20	18.6	1.23	17.3	1.26	16.0	1.28	14.9	1.25						
				4643		4554		4461		4259		4023		3768		3491		3176		2773					
				23	1.33	23	1.37	23	1.40	22	1.46	21	1.49	19.8	1.52	18.7	1.55	17.6	1.56	16.6	1.53				
195RH9B	2	1497	7642	4899		4814		4727		4541		4327		4091		3840		3565		3250		2832			
195SCH9B	50 lbs.	1570	8015	25	1.54	25	1.58	25	1.61	24	1.68	23	1.72	22	1.75	21	1.75	19.7	1.81	18.8	1.81	17.9	1.76		
				5154		5073		4991		4818		4326		4404		4173		3926		3654		3342		2913	
				26	1.77	26	1.81	26	1.85	26	1.91	25	1.97	24	2.00	23	2.03	22	2.07	21	2.09	20	2.09	19.2	2.02

195 ACRUB-XP / ACSC-XP

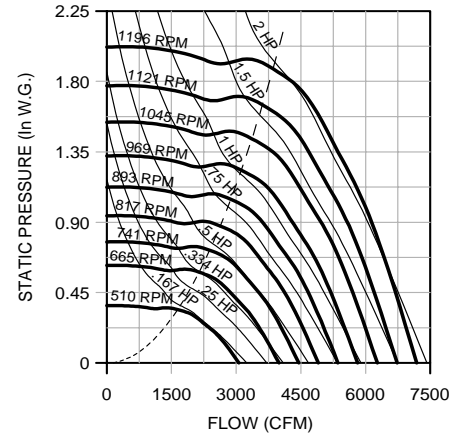
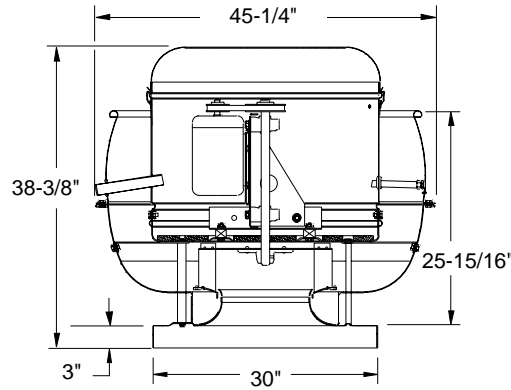
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
195RX3B	1/4	1030	5258	823																					
195SCX3B	15 lbs.			6.5	.25																				
195RX4B	1/3	1139	5814	1117		879																			
195SCX4B	19 lbs.			8.2	.33	7.7	.33																		
195RX5B	1/2	1308	6677	1455		1324		1153		901															
195SCX5B	23 lbs.			11.2	.47	10.8	.49	10.3	.51	9.7	.48														
195RX6B	3/4	1505	7683	1806		1706		1596		1474		1315		1102											
195SCX6B	31 lbs.			15.1	.68	14.6	.71	14.3	.74	13.8	.76	13.2	.77	12.7	.75										
195RX7B	1	1583	8081	1939		1846		1747		1639		1517		1356		1150									
195SCX7B	36 lbs.	1660	8474	16.5	.78	15.9	.81	15.6	.84	15.4	.87	14.7	.89	14.2	.90	13.7	.87								
				2068		1981		1889		1791		1686		1564		1402									
				17.9	.88	17.4	.92	16.9	.95	16.7	.98	16.4	1.01	15.8	1.03	15.2	1.04								
195RX8B	1-1/2	1783	9102	2270		2190		2108		2022		1931		1834		1726		1423							
195SCX8B	38 lbs.	1906	9730	20	1.06	19.7	1.11	19.2	1.15	18.8	1.18	18.6	1.21	18.4	1.24	17.8	1.27	16.8	1.27						
				2469		2394		2319		2242		2162		2077		1987		1780		1471					
				23	1.27	22	1.32	22	1.37	21	1.41	21	1.44	21	1.48	20	1.51	19.5	1.56	18.5	1.55				
195RX9B	2	2003	10225	2624		2553		2482		2410		2336		2259		2177		2001		1775		1456			
195SCX9B	50 lbs.	2100	10720	25	1.45	24	1.51	23	1.56	23	1.60	23	1.64	22	1.68	22	1.71	22	1.785	21	1.82	19.8	1.77		
				2778		2710		2643		2575		2506		2434		2360		2201		2020		1775		1455	
				26	1.65	26	1.71	25	1.76	25	1.81	25	1.86	24	1.90	24	1.94	24	2.01	23	2.07	22	2.10	21	2.01

Performance certified for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

210 ACRUB/ACSC

Wheel Diameter - 21 inches
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 1197
Maximum BHP - $1.2 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 220 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

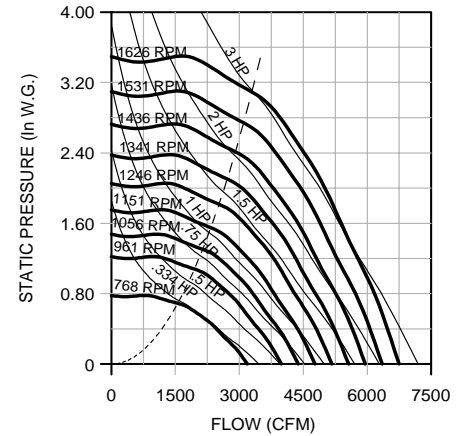
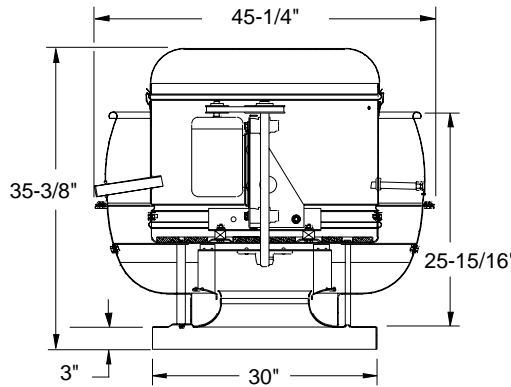
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



210 ACRUB-HP/ACSC-HP

Wheel Diameter - 21 inches
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 1626
Maximum BHP - $.74 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 220 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

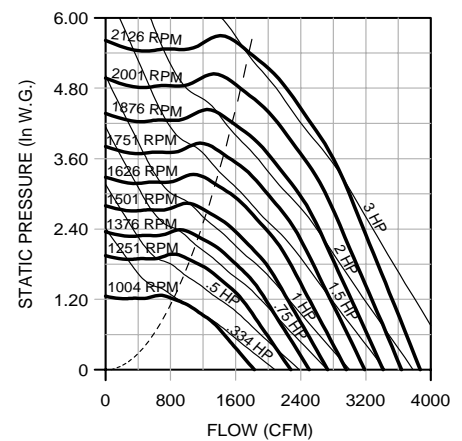
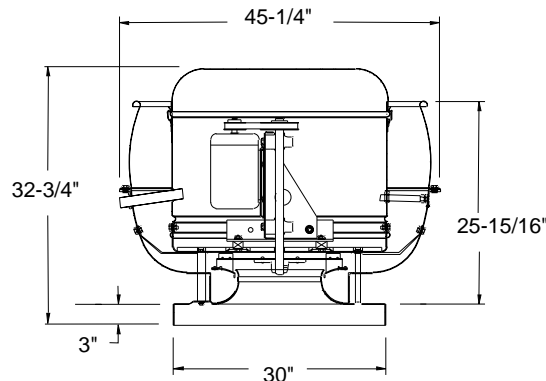
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



210 ACRUB-XP/ACSC-XP

Wheel Diameter - 21 inches
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 2126
Maximum BHP - $.33 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 220 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

210 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
210R2B	1/6	510	2803	3062		2734		2263																	
210SC2B	15 lbs.			5.6	.14	5.2	.16	4.6	.16																
210R3B	1/4	586	3221	3518		3238		2903		2424															
210SC3B	15 lbs.			7.2	.21	7.0	.23	6.3	.24	5.9	.24														
210R4B	1/3	648	3562	3891		3639		3360		2977		2503													
210SC4B	19 lbs.			8.5	.29	8.5	.31	7.7	.33	7.2	.33	6.8	.32												
210R5B	1/2	744	4090	4467		4249		4019		3754		3400		3008											
210SC5B	23 lbs.			10.8	.44	10.8	.46	10.3	.48	9.8	.50	9.3	.50	8.8	.50										
210R6B	3/4	857	4711	5145		4957		4763		4556		4320		4021		3686		3309							
210SC6B	31 lbs.			14.3	.67	14.3	.69	14.0	.72	13.4	.74	12.8	.76	12.4	.77	11.9	.77	11.5	.75						
210R7B	1	945	5195	5674		5503		5329		5148		4952		4731		4458		4153		3844					
210SC7B	36 lbs.			17.2	.89	17.2	.92	17.2	.95	16.6	.98	16.0	1.00	15.4	1.02	15.0	1.03	14.6	1.03	14.2	1.02				
210R8B	1-1/2	1015	5580	6094		5935		5775		5608		5434		5244		5028		4766		4482		3839			
	38 lbs.	1085	5965	6514		6366		6216		6063		5903		5735		5551		5342		5095		4566		3772	
23				1.35	23	1.39	23	1.42	22	1.43	22	1.49	21	1.51	20	1.53	19.7	1.55	19.3	1.56	18.6	1.55	17.9	1.48	
210R9B	2	1141	6272	6851		6710		6567		6422		6273		6117		5951		5769		5561		5065		4543	
210SC9B	50 lbs.	1196	6575	24	1.57	24	1.61	24	1.65	24	1.68	23	1.72	23	1.75	22	1.77	21	1.79	21	1.81	20	1.82	19.6	1.79
				7181		7046		6911		6773		6632		6486		6333		6169		5989		5549		5069	
				26	1.81	26	1.85	26	1.89	26	1.93	25	1.96	24	1.99	24	2.02	23	2.05	23	2.07	22	2.09	21	2.08

210 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
210RH4B	1/3	768	4222	2769		2511		2235																	
210SCH4B	19 lbs.			8.4	.31	8.3	.32	7.9	.33																
210RH5B	1/2	882	4849	3323		3093		2875		2341															
210SCH5B	23 lbs.			10.7	.45	10.6	.47	10.6	.49	9.5	.50														
210RH6B	3/4	1015	5580	3932		3759		3554		3176		2679		1793											
210SCH6B	31 lbs.			13.7	.67	13.6	.70	13.6	.72	13.2	.75	12.2	.77	11.2	.69										
210RH7B	1	1067	5866	4164		4008		3819		3452		3037		2485											
210SCH7B	36 lbs.			14.9	.77	14.8	.81	14.8	.83	14.6	.87	13.8	.89	12.7	.87										
		1120	6157	4398		4257		4085		3724		3371		2891		2091									
				16.2	.89	16.1	.92	16.1	.95	16.0	.99	15.3	1.02	14.2	1.03	13.3	.95								
210RH8B	1-1/2	1286	7070	5122		5007		4881		4572		4264		3965		3579		3133		2301					
210SCH8B	38 lbs.			19.8	1.31	19.7	1.36	19.7	1.40	19.6	1.46	19.5	1.50	18.9	1.54	18.1	1.57	17.2	1.55	16.4	1.41				
210RH9B	2	1352	7433	5406		5300		5184		4905		4600		4323		4009		3609		3164		2260			
210SCH9B	50 lbs.			21	1.52	21	1.56	21	1.61	21	1.68	21	1.73	21	1.77	20	1.80	19.3	1.82	18.4	1.78	17.7	1.59		
		1417	7790	5685		5585		5478		5227		4932		4660		4390		4054		3659		3195		2263	
				23	1.74	23	1.79	23	1.83	23	1.92	23	1.98	23	2.02	22	2.06	21	2.09	20	2.09	19.7	2.03	19.0	1.80
210RH10B	3	1521	8362	6131		6038		5942		5725		5462		5191		4944		4688		4374		4008		3618	
210SCH10B	74 lbs.			26	2.13	26	2.19	26	2.24	26	2.33	26	2.41	25	2.46	25	2.51	25	2.55	24	2.58	23	2.59	22	2.54
		1626	8939	6578		6493		6404		6213		5986		5728		5481		5253		5011		4722		4384	
				29	2.59	29	2.65	29	2.70	29	2.81	28	2.90	28	2.97	28	3.02	28	3.07	27	3.11	27	3.15	26	3.16

210 ACRUB-XP / ACSC-XP

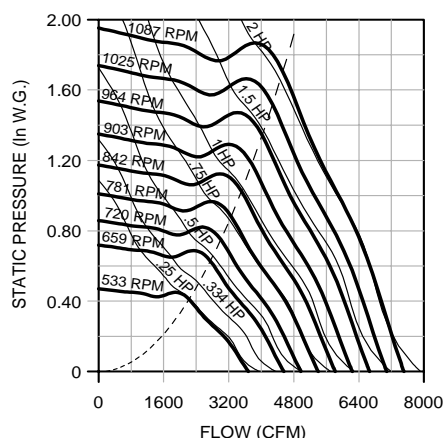
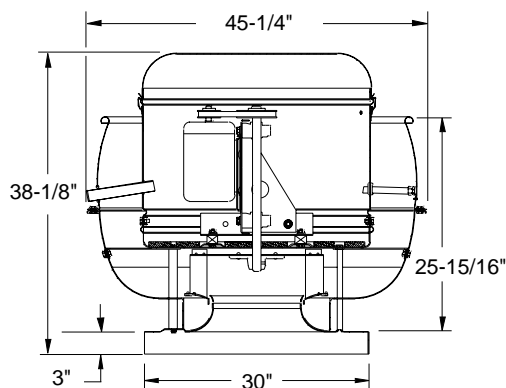
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP																							
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP																				
210RX4B	1/3	1004	5519	1127																																											
210SCX4B	19 lbs.			9.0	.33																																										
210RX5B	1/2	1153	6338	1558		1357		1102																																							
210SCX5B	23 lbs.			11.3	.48	11.2	.50	12.7	.50																																						
210RX6B	3/4	1327	7295	1950		1832		1684		1487		1253																																			
210SCX6B	31 lbs.			14.6	.69	14.5	.73	14.4	.76	14.6	.77	18.1	.76																																		
210RX7B	1	1464	8048	2243		2138		2030		1905		1734		1552		1301																															
210SCX7B	36 lbs.			17.4	.90	17.3	.93	17.2	.97	17.1	1.01	17.0	1.03	18.2	1.03	27	1.01																														
210RX8B	1-1/2	1572	8642	2469		2370		2273		2172		2055		1900		1732																															
	38 lbs.			19.3	1.08	19.2	1.13	19.1	1.17	19.0	1.21	18.8	1.24	18.7	1.27	19.6	1.28																														
210SCX8B			1681	9241	2694		2600		2508		2417		2323		2215		2078		1759																												
	22				1.30	21	1.34	21	1.39	21	1.43	21	1.47	21	1.51	21	1.55	23	1.56																												
210RX9B	2	1767	9714	2869		2780		2691		2605		2518		2426		2322		2041		1710																											
	50 lbs.			23	1.48	23	1.53	23	1.58	23	1.63	22	1.67	22	1.72	22	1.76	22	1.82	29	1.80																										
210SCX9B			1852	10181	3040		2956		2871		2787		2704		2621		2532		2309		2023		1646																								
	25				1.68	25	1.74	24	1.79	24	1.84	24	1.89	24	1.94	24	1.98	24	2.07	25	2.10	40	2.04																								
210RX10B	3	1989	10935	3313		3235		3156		3077		2999		2922		2845		2679		2459		2192		1872																							
210SCX10B	74 lbs.			2126	11688	28		2.04		28		2.11		27		2.17		27		2.23		27		2.28		27		2.33		26		2.38		26		2.48		26		2.57		28		2.60		39	
		3583				3510		3437		3363		3289		3215		3143		2998		2837		2627		2378																							
				32		2.46		31		2.53		30		2.60		30		2.66		30		2.72		30		2.78		29		2.83		29		2.94		29		3.04		29		3.13		31		3.17	

225 ACRUB / ACSC

Wheel Diameter - 22.5 inches
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1086
Maximum BHP - $1.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 242 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

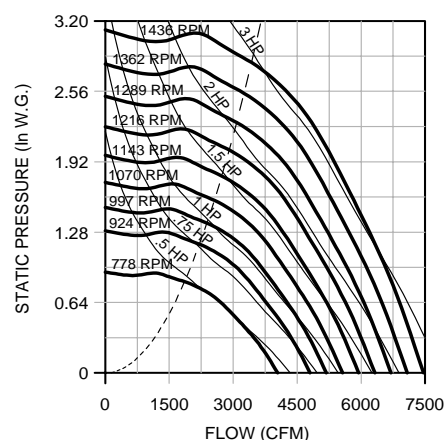
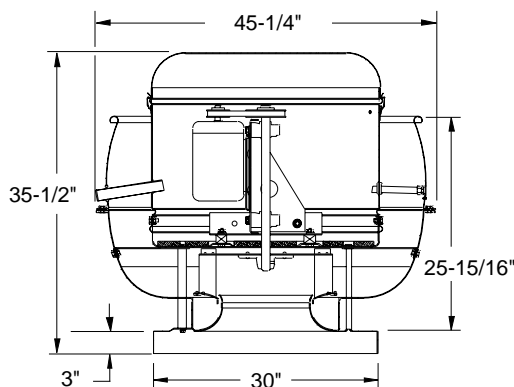


225 ACRUB-HP / ACSC-HP

Wheel Diameter - 22.5 inches
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1435
Maximum BHP - $1.1 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 242 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

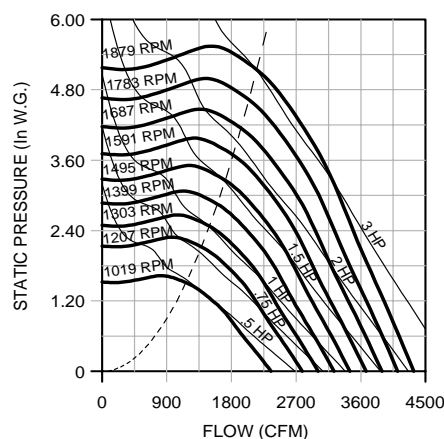
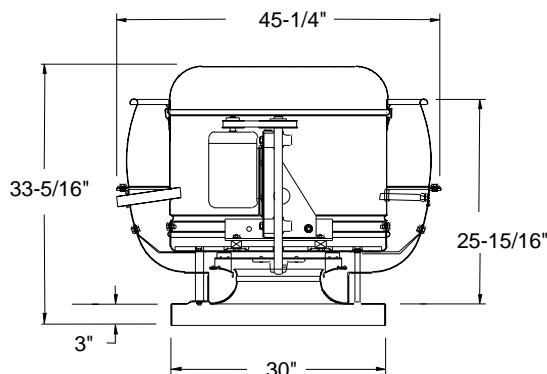


225 ACRUB-XP / ACSC-XP

Wheel Diameter - 22.5 inches
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1879
Maximum BHP - $.48 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 242 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

225 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP		
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
225R3B	1/4	533	3139	3684		3333		2854		2357																
225SC3B	15 lbs.			8.4	.20	8.0	.24	7.4	.24	6.6	.25															
225R4B	1/3	589	3469	4071		3753		3381		2873																
225SC4B	19 lbs.			10.2	.27	9.8	.32	9.4	.32	8.5	.33															
225R5B	1/2	677	3987	4680		4400		4119		3730		3288		2938												
225SC5B	23 lbs.			13.1	.41	12.7	.49	12.3	.48	11.8	.49	10.9	.49	10.2	.50											
225R6B	3/4	779	4588	5385		5138		4904		4637		4281		3887		3565										
225SC6B	31 lbs.			17.3	.63	16.8	.74	16.4	.75	16.0	.73	15.4	.74	14.7	.75	14.0	.76									
225R7B	1	819	4824	5661		5426		5204		4964		4655		4280		3932		3645								
				18.9	.73	18.5	.86	18.1	.87	17.7	.85	17.2	.85	16.5	.87	15.9	.87	15.2	.89							
				5938		5712		5500		5279		5011		4671		4313		4010		3741						
225SC7B	36 lbs.	859	5059	21	.84	20	.98	19.7	1.01	19.3	.99	18.9	.98	18.4	1.00	17.7	1.00	17.1	1.01	16.4	1.03					
				6380		6169		5971		5771		5548		5271		4942		4612		4330						
225R8B	1-1/2	923	5436	24	1.05	23	1.20	23	1.25	22	1.24	22	1.22	21	1.22	21	1.24	20	1.25	19.5	1.26					
225SC8B	38 lbs.			986	5808	6816		6616		6430		6246		6049		5822		5544		5231		4923		4422		
						27	1.28	26	1.46	26	1.52	25	1.52	25	1.49	25	1.48	24	1.50	23	1.52	23	1.52	22	1.55	
225R9B	2	1036	6102	7161		6970		6793		6618		6437		6236		5997		5716		5414		4878		4427		
				29	1.48	29	1.68	28	1.75	28	1.77	27	1.74	27	1.72	27	1.72	26	1.75	25	1.76	24	1.78	23	1.81	
				7514		7332		7161		6994		6824		6643		6435		6191		5913		5357		4907		
225SC9B	50 lbs.	1087	6402	32	1.71	32	1.92	31	2.02	31	2.04	30	2.03	30	2.00	29	1.98	29	2.00	28	2.02	27	2.04	26	2.07	

225 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
225RH5B 225SCH5B	1/2 23 lbs.	606	3569	2553		2159		1479																	
				7.3	.23	7.0	.24	6.3	.22																
		779	4588	3634		3370		3074		2328															
14.2	.46			13.9	.49	13.7	.50	13.1	.50																
225RH6B 225SCH6B	3/4 31 lbs.	897	5283	4315		4110		3875		3356		2659													
				17.2	.69	17.0	.72	16.7	.74	16.3	.76	15.6	.77												
225RH7B 225SCH7B	1 36 lbs.	989	5825	4830		4656		4459		4009		3521		2800											
				19.6	.90	19.6	.94	19.3	.97	18.7	1.02	18.4	1.03	17.5	1.02										
225RH8B 225SCH8B	1-1/2 38 lbs.	1063	6261	5238		5082		4910		4511		4073		3584		2781									
				21	1.11	21	1.15	21	1.19	21	1.25	20	1.27	19.7	1.28	18.8	1.22								
		1136	6691	5638		5495		5341		4987		4588		4169		3662		2808							
23	1.34			23	1.39	23	1.43	23	1.50	22	1.54	22	1.55	21	1.56	20	1.45								
225RH9B 225SCH9B	2 50 lbs.	1194	7033	5953		5819		5677		5354		4985		4593		4174		3604							
				26	1.55	26	1.60	26	1.64	25	1.72	24	1.78	23	1.80	23	1.81	22	1.81						
		1251	7369	6262		6135		6002		5705		5364		4996		4615		4180		3542					
				28	1.78	28	1.82	28	1.87	28	1.96	27	2.03	26	2.06	26	2.07	25	2.08	24	2.06				
225RH10B 225SCH10B	3 74 lbs.	1343	7910	6757		6641		6520		6257		5958		5628		5281		4924		4520		3958			
				34	2.18	34	2.23	34	2.28	34	2.38	33	2.47	32	2.53	32	2.55	31	2.57	31	2.58	30	2.57		
		1436	8458	7256		7148		7037		6801		6536		6241		5926		5600		5266		4893		4408	
40	2.65			40	2.71	40	2.76	40	2.86	40	2.96	39	3.05	39	3.10	38	3.12	38	3.14	38	3.15	37	3.16		

225 ACRUB-XP / ACSC-XP

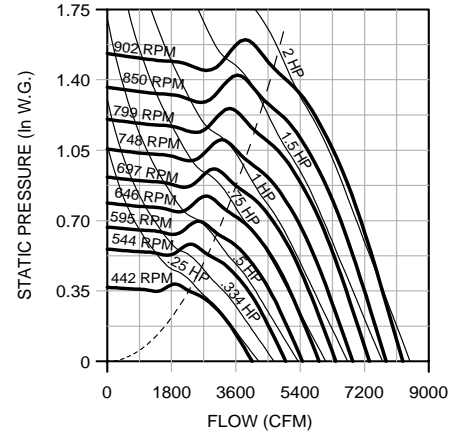
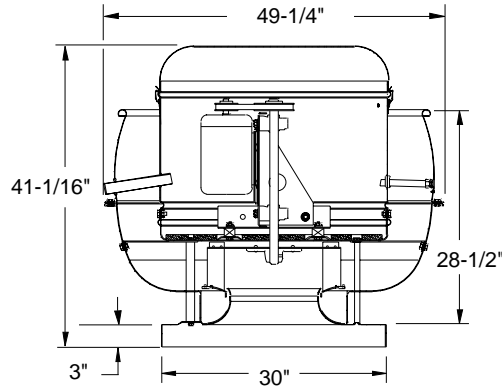
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
225RX5B	1/2	1019	6002	1710		1493		1190																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
225SCX5B	23 lbs.			11.5	.48	11.4	.51	11.3	.48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
225RX6B	3/4	1173	6909	2147		2013		1847		1635																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
225SCX6B	31 lbs.			14.9	.69	14.9	.73	14.8	.76	14.7	.77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
225RX7B	1	1294	7622	2474		2353		2232		2089		1908		1700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
225SCX7B	36 lbs.			17.3	.89	17.2	.93	17.1	.97	17.0	1.01	16.9	1.03	16.9	1.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
225RX8B	1-1/2 38 lbs.	1390	8187	2731		2613		2502		2388		2255		2091		1905																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
225SCX8B		1486	8753	19.2		1.08		19.0		1.12		18.9		1.17		18.8		1.21		18.8		1.25		18.7		1.28		18.6		1.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				2986		2871		2763		2660		2553		2430		2282		1924																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				21	1.29	21	1.34	21	1.39	21	1.43	21	1.48	21	1.52	20	1.56	20	1.54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
225RX9B	2	1562	9200	3185		3075		2968		2868		2770		2666		2547		2247		1852																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
225SCX9B	50 lbs.	1637	9642	23		1.48		23		1.53		23		1.58		23		1.63		22		1.68		22		1.73		22		1.77		22		1.82		22		1.75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				3380		3274		3170		3071		2977		2882		2782		2534		2221																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				25	1.68	25	1.74	25	1.79	24	1.84	24	1.89	24	1.94	24	1.99	24	2.08	24	2.08																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
225RX10B	3 74 lbs.	1718	10119	3587		3487		3387		3289		3197		3107		3017		2813		2548		2232																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
225SCX10B		1799	10597	27		1.92		27		1.98		27		2.04		27		2.09		26		2.14		26		2.20		26		2.25		26		2.35		26		2.42		26		2.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				3793		3698		3602		3507		3415		3328		3243		3065		2847		2576		2254																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				30		2.17		29		2.24		29		2.30		29		2.36		29		2.42		28		2.47		28		2.53		28		2.64		28		2.74		28		2.78		28		2.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		1879	11068	3994		3904		3812		3720		3630		3544		3461		3297		3114		2885		2614																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

245 ACRUB / ACSC

Wheel Diameter - 24.5 inches
Tip Speed (FPM) - 6.4 x RPM
Maximum RPM - 901
Maximum BHP - $2.8 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 264 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

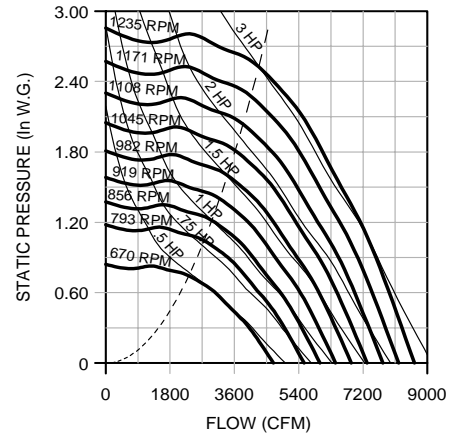
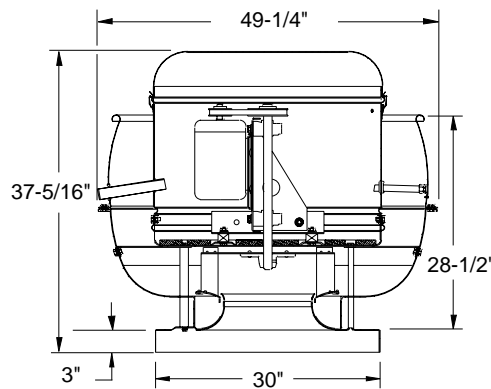
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



245 ACRUB-HP / ACSC-HP

Wheel Diameter - 24.5 inches
Tip Speed (FPM) - 6.4 x RPM
Maximum RPM (Standard Wheel) - 1185
Maximum RPM (Reinforced Wheel) - 1234
Maximum BHP - $1.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 264 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

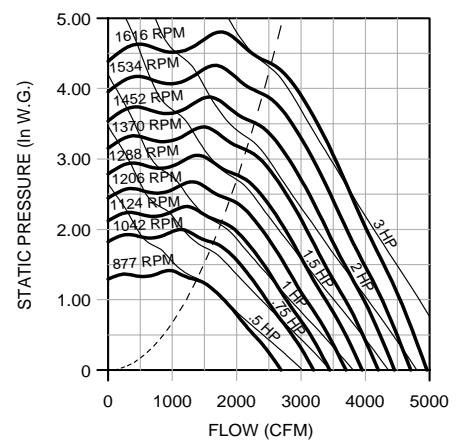
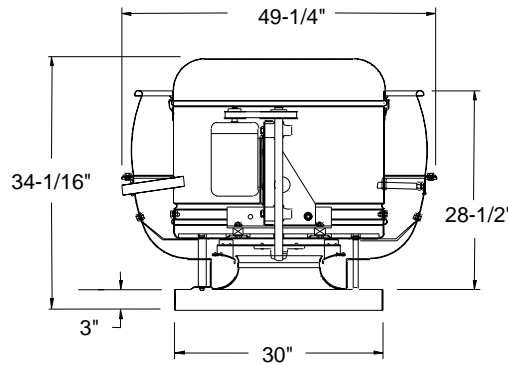
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



245 ACRUB-XP / ACSC-XP

Wheel Diameter - 24.5 inches
Tip Speed (FPM) - 6.4 x RPM
Maximum RPM (Standard Wheel) - 1616
Maximum BHP - $.75 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 264 lbs.
Roof Curb - RCG, RCA - 28
Roof Opening - 25-1/2 inches

Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

245 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245R3B	1/4	442	2835	4058		3639		3116																	
245SC3B	15 lbs.			7.2	.22	6.8	.24	6.3	.24																
245R4B	1/3	489	3136	4490		4114		3691		3060															
245SC4B	19 lbs.			9.0	.30	8.6	.32	8.2	.33	7.3	.33														
245R5B	1/2	561	3598	5151		4825		4481		4067		3471													
245SC5B	23 lbs.			11.9	.45	11.6	.48	11.3	.50	11.0	.50	9.7	.49												
245R6B	3/4	646	4143	5931		5649		5359		5047		4674		4185											
245SC6B	31 lbs.			14.8	.69	14.5	.72	14.2	.75	13.9	.77	13.6	.76	12.7	.76										
245R7B	1	679	4355	6234		5966		5692		5402		5074		4662		4104									
245SC7B		712	4566	16.1	.80	15.7	.83	15.4	.86	15.1	.88	14.7	.89	14.4	.88	13.0	.87								
	36 lbs.			6537		6282		6022		5750		5453		5098		4650		3955							
				17.2	.92	16.9	.95	16.6	.99	16.3	1.01	15.9	1.03	15.5	1.02	14.7	1.01	13.5	.95						
245R8B	1-1/2	765	4906	7023		6786		6546		6297		6035		5741		5391		4962		4325					
245SC8B	38 lbs.	818	5246	19.7	1.14	19.4	1.18	19.0	1.21	18.7	1.25	18.3	1.27	17.8	1.27	17.3	1.27	16.4	1.25	15.4	1.19				
					7510		7288		7064		6835		6596		6341		6052		5713		5307				
				22	1.39	22	1.43	22	1.47	21	1.51	21	1.54	21	1.56	20	1.56	19.7	1.54	18.7	1.53				
245R9B	2	860	5516	7896		7685		7472		7255		7032		6797		6542		6251		5912		4947			
245SC9B	50 lbs.	902	5785	24	1.62	24	1.66	24	1.70	24	1.74	23	1.78	23	1.80	22	1.81	22	1.81	22	1.79	19.3	1.71		
					8281		8080		7878		7672		7461		7243		7011		6756		6465		5738		
				27	1.86	27	1.91	26	1.96	26	2.00	26	2.04	25	2.07	25	2.08	24	2.09	24	2.08	22	2.05		

245 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245RH5B	1/2 23 lbs.	670	4297	4143		3805		3393																	
245SCH5B				10.6	.47	10.0	.49	9.4	.50																
245RH6B	3/4 31 lbs.	771	4945	4929		4675		4369		3661															
245SCH6B				14.2	.71	13.8	.73	13.3	.74	12.0	.77														
245RH7B	1 36 lbs.	811	5201	5233		4998		4730		4061		3255													
245SCH7B				15.3	.81	15.0	.84	14.6	.86	13.4	.89	12.1	.88												
		850	5451	5528		5307		5065		4442		3783													
				16.5	.93	16.2	.96	15.8	.98	14.7	1.02	13.5	1.03												
245RH8B	1-1/2 38 lbs.	913	5856	5999		5796		5583		5056		4458		3732											
245SCH8B				18.4	1.14	18.2	1.18	17.8	1.20	16.9	1.25	15.8	1.28	14.7	1.26										
		976	6260	6466		6279		6084		5640		5075		4522		3721									
				20	1.38	20	1.42	19.9	1.45	19.1	1.50	18.1	1.55	17.1	1.56	16.1	1.52								
245RH9B	2 50 lbs.	1026	6580	6835		6657		6475		6076		5564		5036		4446									
245SCH9B				22	1.59	22	1.64	22	1.68	21	1.72	19.9	1.75	18.9	1.81	18.1	1.80								
		1076	6901	7201		7033		6860		6494		6044		5526		5027		4353							
				24	1.82	24	1.87	24	1.92	23	1.98	22	2.03	21	2.08	20	2.09	19.2	2.05						
245RH10B	3 74 lbs.	1156	7414	7785		7628		7470		7140		6769		6307		5832		5364		4738					
245SCH10B				27	2.23	27	2.30	27	2.35	27	2.43	26	2.48	25	2.54	24	2.59	23	2.59	22	2.55				
		1235	7921	8358		8212		8065		7762		7437		7055		6603		6166		5725		5153			
				31	2.70	31	2.77	31	2.84	30	2.93	30	2.99	29	3.05	28	3.12	27	3.16	26	3.16	25	3.12		

245 ACRUB-XP / ACSC-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245RX5B	1/2	877	5625	1801		1469																					
245SCX5B	23 lbs.			10.8	.50	10.5	.50																				
245RX6B	3/4	1009	6471	2337		2137		1898																			
245SCX6B	31 lbs.			14.5	.73	14.4	.76	14.1	.77																		
245RX7B	1	1113	7138	2730		2555		2374		2164		1887															
245SCX7B	36 lbs.			17.6	.94	17.6	.98	17.6	1.02	17.3	1.03	17.1	1.01														
245RX8B	1-1/2	1195	7664	3038		2866		2705		2534		2338		2099													
245SCX8B	38 lbs.	1278	8197	20		1.14		19.7		1.18		20		1.23		19.9		1.26		19.5		1.26					
				3348		3178		3023		2872		2711		2530		2320											
245RX9B	2	1343	8614	3586		3422		3267		3123		2978		2822		2647											
				24		1.56		23		1.61		23		1.66		23		1.71		23		1.76		23		1.80	
245SCX9B	50 lbs.	1408	9031	3820		3665		3511		3369		3233		3093		2941		2585									
				25		1.78		25		1.83		25		1.88		24		1.94		24		1.99		24		2.04	
245RX10B	3	1477	9473	4063		3920		3771		3628		3495		3365		3231		2928		2530							
				27		2.03		27		2.09		27		2.14		26		2.20		26		2.25		26		2.31	
245SCX10B	74 lbs.	1546	9916	4302		4170		4029		3888		3755		3629		3505		3237		2923							
				29		2.30		29		2.37		29		2.43		28		2.48		28		2.54		28		2.60	
		1616	10365	4540		4419		4287		4150		4018		3894		3774		3531		3258		2931					
				31		2.59		31		2.67		31		2.74		31		2.80		30		2.85		30		2.92	

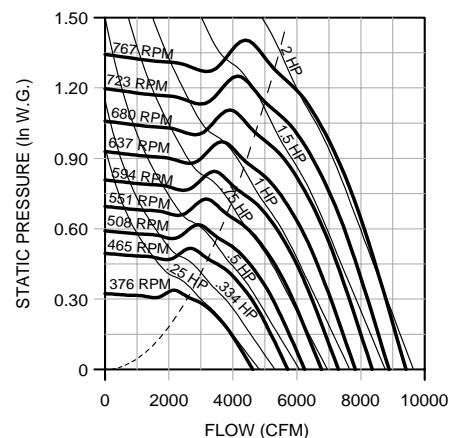
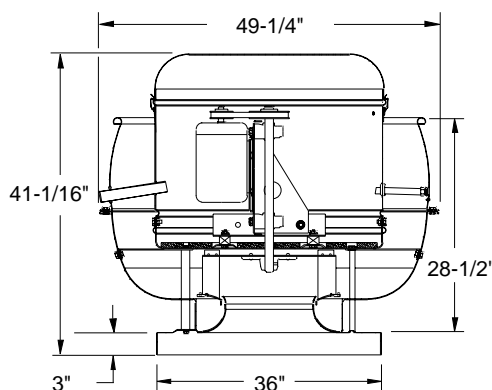
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

270 ACRUB / ACSC

Wheel Diameter - 27 inches
Tip Speed (FPM) - 7.1 x RPM
Maximum RPM - 766
Maximum BHP - $4.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 286 lbs.
Roof Curb - RCG, RCA - 34
Roof Opening - 31-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

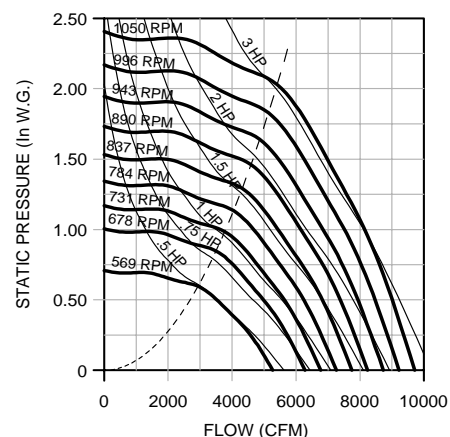
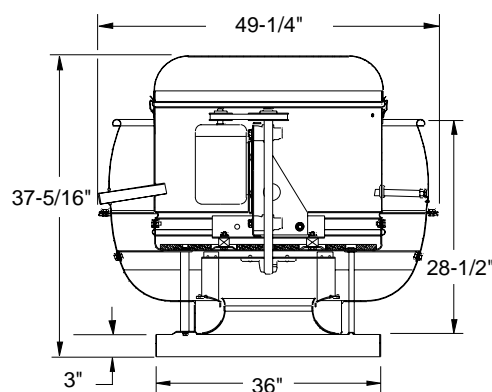


270 ACRUB-HP / ACSC-HP

Wheel Diameter - 27 inches
Tip Speed (FPM) - 7.1 x RPM
Maximum RPM (Standard Wheel) - 1025
Maximum RPM (Reinforced Wheel) - 1049
Maximum BHP - $2.7 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 286 lbs.
Roof Curb - RCG, RCA - 34
Roof Opening - 31-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

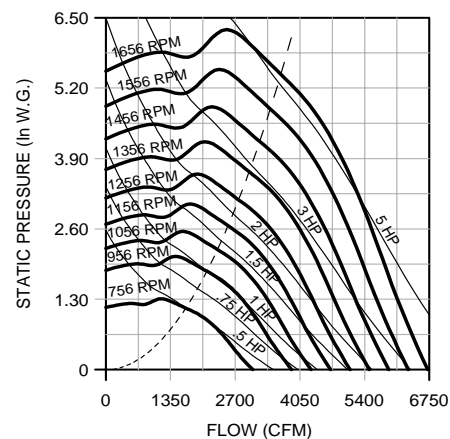
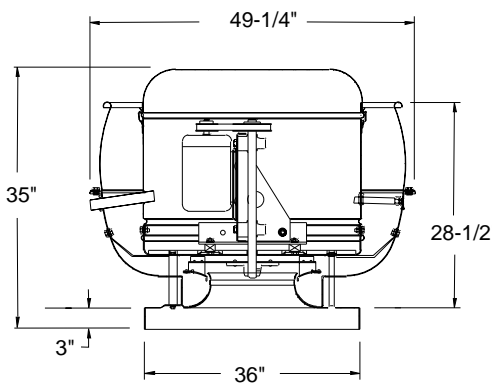


270 ACRUB-XP / ACSC-XP

Wheel Diameter - 27 inches
Tip Speed (FPM) - 7.1 x RPM
Maximum RPM - 1656
Maximum BHP - $1.17 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 286 lbs.
Roof Curb - RCG, RCA - 34
Roof Opening - 31-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

270 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
270R3B	1/4	376	2657	4620		4073		3320																	
270SC3B	15 lbs.			5.0	.22	4.7	.24	4.1	.24																
270R4B	1/3	416	2940	5112		4623		4039																	
270SC4B	19 lbs.			6.3	.30	6.0	.32	5.4	.33																
270R5B	1/2	477	3371	5861		5439		4981		4381															
270SC5B	23 lbs.			8.4	.45	8.3	.48	7.5	.50	7.1	.50														
270R6B	3/4	549	3880	6746		6381		6000		5576		5025		4158											
270SC6B	31 lbs.			11.5	.68	11.5	.72	10.6	.75	9.9	.77	9.4	.76	9.0	.72										
270R7B	1	577	4078	7090		6743		6384		5995		5523		4889											
270SC7B	36 lbs.	606	4283	12.4	.79	12.4	.83	11.6	.87	10.9	.89	10.4	.88	9.9	.87										
				7447		7116		6777		6416		6001		5472		4701									
				13.3	.92	13.3	.96	12.7	1.00	11.9	1.02	11.3	1.03	10.9	1.02	10.5	.98								
270R8B	1-1/2	651	4601	7999		7692		7379		7052		6696		6274		5746		4965							
270SC8B	38 lbs.	696	4919	14.9	1.14	14.9	1.18	14.5	1.23	13.7	1.26	13.1	1.28	12.6	1.27	12.2	1.26	11.7	1.20						
				8552		8265		7974		7673		7355		7000		6578		6063		5310					
				16.4	1.39	16.4	1.44	16.2	1.49	15.5	1.52	14.8	1.55	14.4	1.56	14.0	1.55	13.6	1.54	13.2	1.47				
270R9B	2	732	5174	8995		8722		8445		8162		7867		7549		7185		6753		6231					
270SC9B	50 lbs.	767	5421	17.7	1.61	17.7	1.67	17.6	1.72	17.0	1.76	16.4	1.79	15.8	1.81	15.4	1.81	15.0	1.80	14.6	1.78				
				9425		9164		8901		8633		8355		8062		7740		7368		6930		5565			
				18.9	1.86	18.9	1.92	18.9	1.97	18.4	2.01	17.8	2.05	17.3	2.08	16.9	2.09	16.5	2.08	16.1	2.06	15.4	1.89		

270 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
270RH5B	1/2	569	4022	4576		4080		3523																	
270SCH5B	23 lbs.			9.9	.47	9.1	.50	8.4	.50																
270RH6B	3/4	655	4629	5489		5136		4685		3652															
270SCH6B	31 lbs.			13.9	.70	12.8	.73	12.0	.76	10.8	.76														
270RH7B	1 36 lbs.	689	4870	5837		5518		5122		4200															
270SCH7B				15.6	.81	14.5	.84	13.6	.87	12.3	.89														
		723	5110	6181		5888		5540		4682															
				16.8	.93	16.0	.96	15.0	1.00	13.6	1.03														
270RH8B	1-1/2	777	5492	6721		6461		6164		5406		4565													
270SCH8B	38 lbs.			18.7	1.14	18.2	1.18	17.2	1.21	15.7	1.27	14.7	1.27												
				7245	7008		6747		6098		5339		4405												
		830	5866	21	1.37	21	1.42	19.5	1.46	17.8	1.53	16.7	1.56	16.1	1.53										
270RH9B	2 50 lbs.	872	6163	7656		7434		7195		6622		5908		5156											
270SCH9B				22	1.58	22	1.63	22	1.68	19.7	1.75	18.4	1.80	17.6	1.80										
				8075	7867		7645		7132		6477		5789		4947										
		915	6467	24	1.82	24	1.87	24	1.92	22	2.00	20	2.07	19.3	2.09	18.7	2.05								
270RH10B	3 74 lbs.	983	6948	8734		8542		8342		7898		7352		6713		6066		5232							
270SCH10B				27	2.24	27	2.29	27	2.35	25	2.44	24	2.53	23	2.58	22	2.59	21	2.54						
				9378	9201		9018		8622		8159		7595		6995		6378		5574						
		1050	7422	31	2.71	31	2.77	31	2.83	29	2.94	27	3.03	26	3.11	25	3.15	24	3.15	23	3.09				

270 ACRUB-XP / ACSC-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
270RX5B	1/2	756	5343	1974																					
270SCX5B	23 lbs.			12.1	.51																				
270RX6B	3/4	869	6142	2661		2374																			
270SCX6B	31 lbs.			14.3	.74	14.5	.77																		
270RX7B	1	959	6778	3117		2907		2647		2270															
270SCX7B	36 lbs.			16.3	.96	16.3	1.00	16.5	1.03	17.0	1.02														
270RX8B	1-1/2	1101	7782	3781		3624		3451		3253		3015		2697											
270SCX8B	38 lbs.			19.3	1.37	19.3	1.44	19.3	1.49	19.4	1.53	19.7	1.56	20	1.56										
270RX9B	2	1157	8178	4035		3888		3732		3559		3362		3125		2811									
				21	1.56	21	1.63	21	1.69	21	1.75	21	1.79	22	1.81	22	1.81								
		1214	8581	4289		4150		4008		3853		3682		3488		3256									
270SCX9B	50 lbs.			24	1.77	23	1.85	23	1.92	23	1.98	23	2.03	23	2.07	24	2.09								
270RX10B	3	1304	9217	4688		4558		4428		4294		4151		3994		3820		3379							
270SCX10B	74 lbs.	1393	9846	27	2.14	27	2.23	27	2.31	27	2.38	27	2.45	27	2.51	27	2.55	28	2.59						
				5079		4954		4833		4711		4585		4452		4307		3974		3529					
		32	2.56	31	2.65	31	2.74	31	2.83	31	2.91	31	2.98	31	3.04	31	3.13	32	3.16						
270RX11B	5	1525	10779	5655		5537		5423		5312		5201		5088		4971		4713		4414		4043		3519	
270SCX11B	98 lbs.	1656	11705	39	3.27	38	3.38	38	3.48	38	3.58	38	3.68	38	3.76	38	3.85	38	3.99	38	4.10	39	4.15	40	4.10
				6223		6110		6001		5897		5794		5693		5590		5375		5137		4869		4552	
		43	4.09	43	4.22	43	4.34	42	4.45	42	4.56	42	4.66	42	4.76	42	4.94	42	5.10	42	5.22	43	5.3		

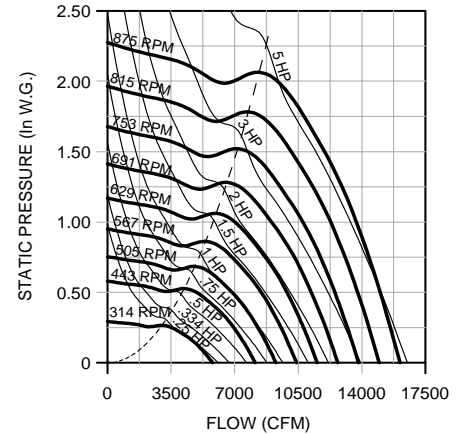
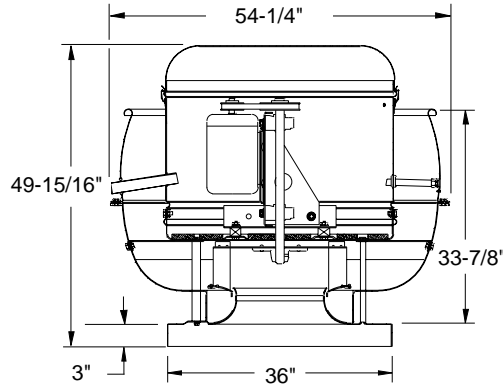
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

300 ACRUB / ACSC

Wheel Diameter - 30 inches
Tip Speed (FPM) - $7.9 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 837
Maximum RPM (Reinforced Wheel) - 877
Maximum BHP - $7.9 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 336 lbs.
Roof Curb - RCG, RCA - 34
Roof Opening - 31-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

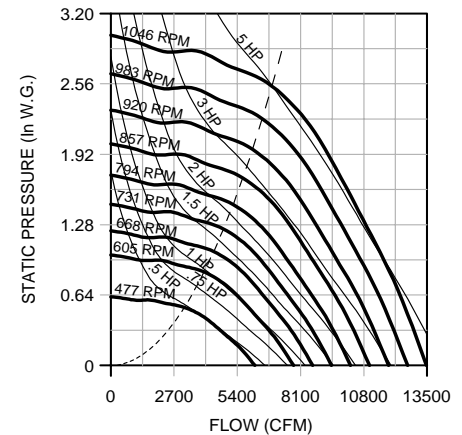
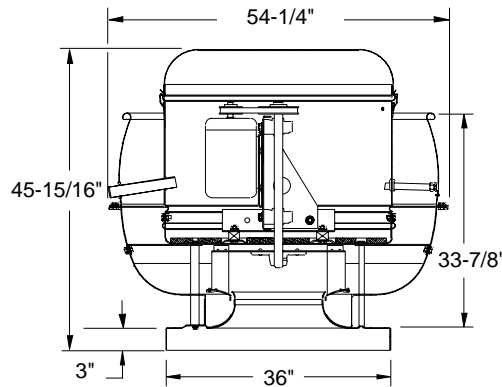


300 ACRUB-HP / ACSC-HP

Wheel Diameter - 30 inches
Tip Speed (FPM) - $7.9 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 980
Maximum RPM (Reinforced Wheel) - 1046
Maximum BHP - $4.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 336 lbs.
Roof Curb - RCG, RCA - 34
Roof Opening - 31-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

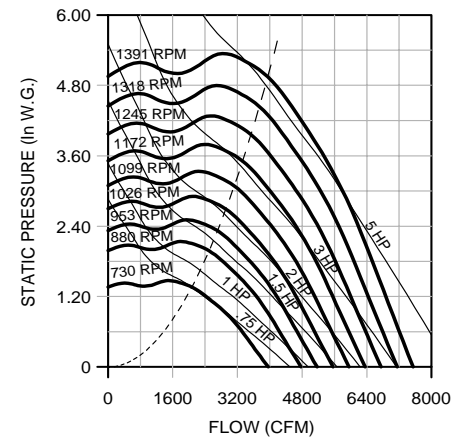
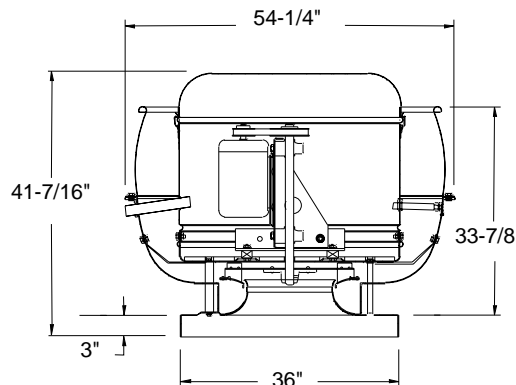


300 ACRUB-XP / ACSC-XP

Wheel Diameter - 30 inches
Tip Speed (FPM) - $7.9 \times \text{RPM}$
Maximum RPM - 1391
Maximum BHP - $1.97 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 336 lbs.
Roof Curb - RCG, RCA - 34
Roof Opening - 31-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

300 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
300R3B 300SC3B	1/4 15 lbs.	314	2466	5763 4.8 .21		4932 4.2 .24		3486 3.3 .24																	
300R4B 300SC4B	1/3 19 lbs.	348	2733	6387 5.9 .29		5664 5.4 .32		4589 4.6 .33																	
300R5B 300SC5B	1/2 23 lbs.	399	3133	7323 7.7 .44		6716 7.3 .47		5941 6.6 .50		4788 5.9 .50															
300R6B 300SC6B	3/4 31 lbs.	459	3604	8424 10.2 .67		7910 9.8 .71		7302 9.1 .75		6532 8.4 .76		5471 7.7 .76													
300R7B 300SC7B	1 36 lbs.	507	3981	9305 12.4 .90		8845 12.2 .94		8321 11.4 .99		7709 10.6 1.02		6916 10.0 1.03		5907 9.3 1.02											
300R8B 300SC8B	1-1/2 38 lbs.	582	4571	10682 15.6 1.36		10285 15.6 1.41		9855 14.8 1.46		9370 14.1 1.51		8822 13.4 1.55		8151 12.8 1.55		7327 12.2 1.55		6284 11.6 1.47							
300R9B 300SC9B	2 50 lbs.	641	5034	11765 18.2 1.81		11406 18.2 1.87		11027 17.7 1.93		10608 17.0 1.99		10150 16.3 2.04		9637 15.7 2.07		9023 15.1 2.08		8287 14.5 2.07		7461 13.9 2.05					
300R10B 300SC10B	3 74 lbs.	736	5780	13508 23 2.74		13197 23 2.81		12876 23 2.88		12534 22 2.95		12163 21 3.01		11768 21 3.07		11340 20 3.11		10862 19.6 3.14		10306 19.1 3.14		8982 18.0 3.13			
300R11B 300SC11B	5 98 lbs.	806 875	6330 6872	14793 27 3.60		14509 27 3.68		14219 27 3.75		13917 26 3.83		13593 26 3.90		13248 25 3.97		12886 24 4.03		12497 24 4.08		12075 23 4.12		11058 22 4.12		9831 21 4.11	
				16060 31 4.61		15798 31 4.69		15533 31 4.77		15260 31 4.85		14972 30 4.93		14668 29 5.01		14347 29 5.09		14013 28 5.16		13660 27 5.21		12868 26 5.28		11891 25 5.27	

300 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
300RH5B 300SCH5B	1/2 23 lbs.	477	3746	5050 7.8	.48	4371 7.1	.50	3466 6.6	.49																
300RH6B 300SCH6B	3/4 31 lbs.	549	4311	6182 10.5	.72	4607 9.7	.74	5015 9.0	.76																
300RH7B 300SCH7B	1 36 lbs.	606	4759	7030 12.9	.94	6536 12.1	.99	6007 11.3	1.00	4813 10.1	1.02														
300RH8B 300SCH8B	1-1/2 38 lbs.	651 696	5112 5466	7678 8312	1.15	7244 7928	1.20	6757 7487	1.23	5746 6562	1.27	5467 12.9	1.55												
300RH9B 300SCH9B	2 50 lbs.	767	6024	9295 19.8	1.84	8970 19.4	1.90	8600 18.6	1.96	7774 17.2	2.03	6920 15.9	2.07	5833 14.9	2.06										
300RH10B 300SCH10B	3 74 lbs.	823 880	6463 6911	10060 22	2.25	9767 22	2.32	9443 21	2.39	8695 19.8	2.48	7914 18.5	2.53	7081 17.4	2.57	5910 16.4	2.51	6108 15.1							
300RH11B 300SCH11B	5 98 lbs.	963 1046	7563 8215	11947 28	3.53	11708 28	3.62	11457 28	3.71	10892 27	3.86	10245 25	3.97	9580 24	4.03	8903 23	4.08	8163 22	4.12	7185 21	4.06				
				13055 32	4.49	12837 32	4.59	12612 32	4.68	12124 31	4.86	11564 30	5.01	10956 29	5.11	10343 27	5.16	9721 26	5.22	9055 25	5.28	8249 24	5.26	7112 24	5.05

300 ACRUB-XP / ACSC-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
300RX6B 300SCX6B	3/4 31 lbs.	730	5733	2786 12.1	.75	2334 12.9	.77																		
300RX7B 300SCX7B	1 36 lbs.	806	6330	3371 13.9	.98	3029 14.4	1.01	2619 15.1	1.03																
300RX8B 300SCX8B	1-1/2 38 lbs.	866 925	6801 7264	3787 15.8	1.18	3510 15.4	1.23	3171 16.1	1.26	2783 16.8	1.28	2968 18.4	1.56												
300RX9B 300SCX9B	2 50 lbs.	972 1019	7634 8003	4472 18.9	1.59	4259 18.6	1.67	4018 18.3	1.72	3738 18.7	1.76	3411 19.3	1.80	3056 19.8	1.81										
300RX10B 300SCX10B	3 74 lbs.	1095 1170	8600 9189	5229 23	2.15	5051 23	2.26	4866 23	2.36	4663 22	2.43	4436 22	2.48	4179 23	2.53	3889 23	2.57	3227 25	2.56						
300RX11B 300SCX11B	5 98 lbs.	1280 1391	10053 10924	6333 31	3.26	6182 31	3.38	6032 30	3.51	5879 30	3.63	5720 30	3.74	5552 30	3.84	5369 29	3.91	4954 30	4.02	4458 31	4.11	3906 32	4.12		
				6983 37	4.08	6843 36	4.22	6705 36	4.35	6567 35	4.49	6427 35	4.63	6283 35	4.75	6132 35	4.86	5802 34	5.03	5419 35	5.15	4972 36	5.26	4486 37	5.31

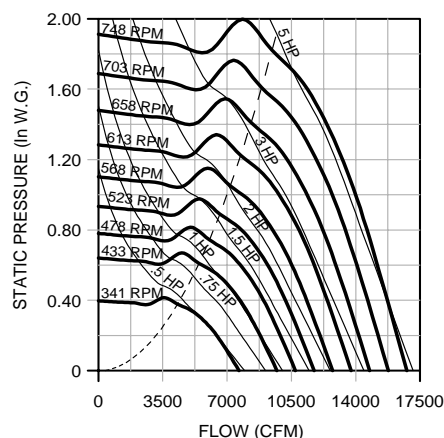
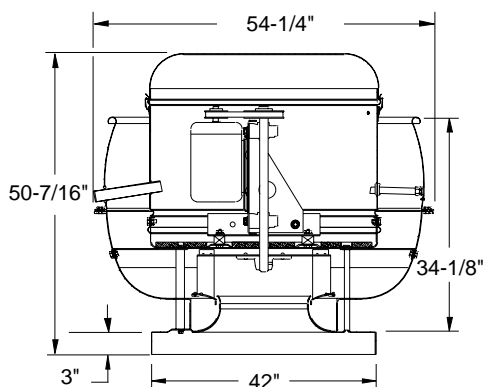
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

330 ACRUB / ACSC

Wheel Diameter - 33 inches
Tip Speed (FPM) - 8.6 x RPM
Maximum RPM (Standard Wheel) - 716
Maximum RPM (Reinforced Wheel) - 748
Maximum BHP - $12.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 374 lbs.
Roof Curb - RCG, RCA - 40
Roof Opening - 37-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

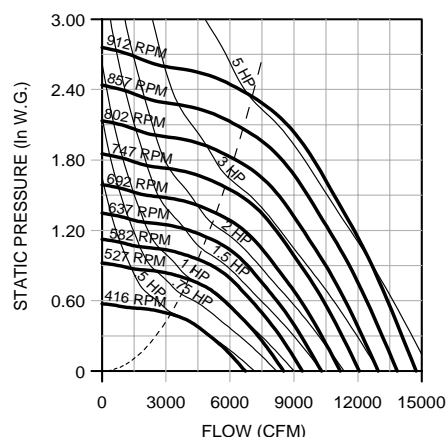
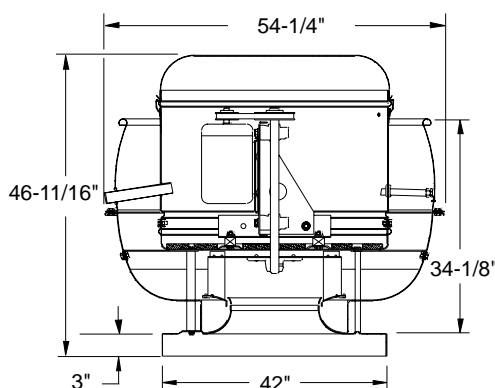


330 ACRUB-HP / ACSC-HP

Wheel Diameter - 33 inches
Tip Speed (FPM) - 8.6 x RPM
Maximum RPM (Standard Wheel) - 830
Maximum RPM (Reinforced Wheel) - 912
Maximum BHP - $7.0 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 374 lbs.
Roof Curb - RCG, RCA - 40
Roof Opening - 37-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

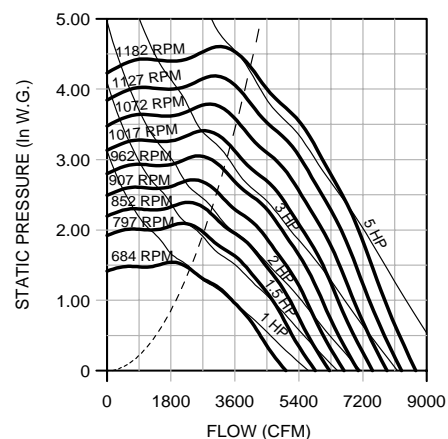
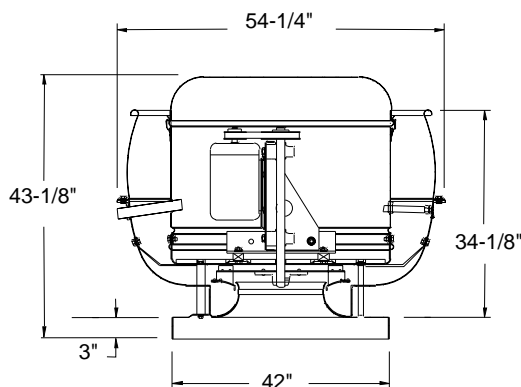


330 ACRUB-XP / ACSC-XP

Wheel Diameter - 33 inches
Tip Speed (FPM) - 8.6 x RPM
Maximum RPM - 1182
Maximum BHP - $3.21 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 374 lbs.
Roof Curb - RCG, RCA - 40
Roof Opening - 37-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

330 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
330R5B	1/2	341	2946	7650		6920		6050		4379															
330SC5B	23 lbs.			7.0	.45	6.5	.49	5.7	.50	4.9	.44														
330R6B	3/4	393	3395	8817		8189		7512		6630		5013													
330SC6B	31 lbs.			9.2	.68	8.9	.73	8.0	.76	7.3	.76	6.6	.68												
330R7B	1	433	3740	9714		9147		8551		7866		6934													
330SC7B	36 lbs.			11.2	.91	10.9	.97	10.0	1.01	9.2	1.02	8.6	1.01												
330R8B	1-1/2	498	4302	11173		10681		10176		9639		9024		8243		7127									
330SC8B	38 lbs.			14.6	1.39	14.6	1.45	13.7	1.51	12.9	1.55	12.1	1.56	11.5	1.54	10.8	1.49								
330R9B	2	523	4518	11734		11265		10787		10286		9734		9066		8220		6813							
330SC9B	50 lbs.	548	4734	16.0	1.61	16.0	1.68	15.2	1.74	14.3	1.78	13.6	1.80	12.9	1.79	12.2	1.77	11.7	1.62						
				12294		11848		11394		10922		10416		9831		9115		8190							
				17.1	1.85	17.1	1.92	16.4	1.99	15.6	2.04	14.9	2.07	14.2	2.07	13.6	2.05	13.0	2.02						
330R10B	3	588	5079	13192		12776		12354		11921		11468		10974		10400		9711		8849					
330SC10B	74 lbs.	629	5434	19.0	2.29	19.0	2.36	18.4	2.43	17.8	2.49	17.1	2.54	16.5	2.56	15.8	2.55	15.2	2.53	14.6	2.50				
				14112		13723		13331		12930		12516		12079		11598		11046		10395		8382			
				21	2.80	21	2.88	21	2.96	20	3.03	19.4	3.08	18.8	3.12	18.1	3.14	17.6	3.12	17.0	3.10	15.9	2.86		
330R11B	5	689	5952	15458		15103		14746		14384		14014		13632		13231		12798		12312		11122		9180	
330SC11B	98 lbs.	748	6462	25	3.68	25	3.75	25	3.85	24	3.93	23	4.00	23	4.06	22	4.10	21	4.12	21	4.12	19.6	4.06	18.5	3.76
				16781		16455		16127		15795		15459		15114		14761		14391		13997		13086		11937	
				28	4.71	28	4.80	28	4.90	28	4.99	27	5.07	26	5.14	26	5.20	25	5.25	25	5.27	24	5.25	22	5.19

330 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
330RH5B	1/2	416	3593	5392		4522																			
330SCH5B	23 lbs.			8.0	.49	7.2	.50																		
330RH6B	3/4	479	4138	6641		5951		5189																	
330SCH6B	31 lbs.			10.7	.72	9.9	.75	9.1	.77																
330RH7B	1	528	4561	7553		6985		6319		4552															
330SCH7B	36 lbs.			13.0	.95	12.2	.99	11.5	1.02	10.0	1.00														
330RH8B	1-1/2	567	4898	8259		7756		7173		5850															
330SCH8B	38 lbs.	606	5235	15.0	1.16	14.2	1.21	13.5	1.24	12.0	1.27														
				8953		8498		7990		6818		5091													
				17.1	1.40	16.3	1.45	15.6	1.50	14.3	1.55	12.7	1.51												
330RH9B	2	668	5771	10037		9640		9212		8210		7104													
330SCH9B	50 lbs.			19.9	1.85	19.5	1.91	18.8	1.96	17.5	2.05	16.1	2.08												
330RH10B	3	718	6203	10900		10537		10153		9286		8292		7157											
330SCH10B	74 lbs.	767	6626	22	2.27	22	2.34	21	2.40	20	2.51	18.9	2.57	17.5	2.57										
				11738		11402		11052		10285		9385		8439		7220									
				25	2.75	25	2.82	24	2.89	23	3.01	22	3.10	20	3.14	19.1	3.11								
330RH11B	5	839	7248	12958		12654		12343		11680		10930		10083		9215		8146							
330SCH11B	98 lbs.	912	7879	28	3.56	28	3.64	28	3.72	27	3.87	26	3.99	25	4.07	24	4.12	22	4.09						
				14186		13908		13626		13036		12395		11673		10888		10091		9164		7774			
				33	4.55	33	4.63	33	4.72	32	4.88	30	5.04	29	5.16	28	5.24	27	5.28	26	5.27	25	5.17		

330 ACRUB-XP / ACSC-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
330RX7B	1	684	5909	3521		2913																			
330SCX7B	36 lbs.			13.3	1.01	12.8	1.03																		
330RX8B	1-1/2	735	6349	4058		3615		2932																	
330SCX8B	38 lbs.	786	6790	15.6	1.23	15.1	1.27	14.5	1.26																
				4558		4163		3739		3040															
				17.0	1.46	17.1	1.52	16.5	1.56	16.1	1.54														
330RX9B	2	826	7136	4922		4580		4187		3731		3045													
330SCX9B	50 lbs.	866	7481	18.0	1.65	18.4	1.74	18.0	1.79	17.6	1.81	17.4	1.76												
				5266		4976		4613		4236		3699		3092											
				19.3	1.86	19.4	1.96	19.5	2.03	19.1	2.07	18.9	2.08	18.7	2.02										
330RX10B	3	930	8034	5798		5560		5269		4925		4576		4124		3496									
330SCX10B	74 lbs.	994	8587	22	2.24	22	2.35	22	2.45	21	2.52	21	2.57	21	2.58	21	2.53								
				6317		6104		5870		5588		5263		4937		4557		3487							
				24	2.66	24	2.79	24	2.90	24	3.01	24	3.08	24	3.13	24	3.15	23	3.04						
330RX11B	5	1057	9131	6822		6623		6419		6190		5918		5611		5305		4463							
330SCX11B	98 lbs.	1120	9676	26	3.13	26	3.26	26	3.39	27	3.52	27	3.62	27	3.70	26	3.75	26	3.78						
				7325		7132		6945		6748		6525		6265		5976		5389		4434					
				29	3.65	29	3.79	29	3.94	29	4.07	29	4.20	29	4.31	29	4.40	29	4.49	28	4.46				
				7817		7629		7451		7272		7082		6865		6618		6069		5476		4502			
				32	4.22	31	4.37	31	4.52	32	4.67	32	4.82	32	4.95	32	5.07	32	5.23	31	5.30	31	5.21		

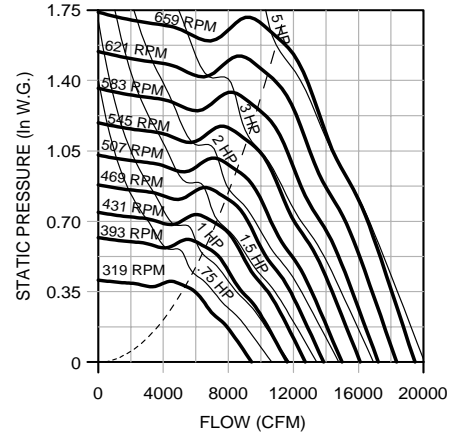
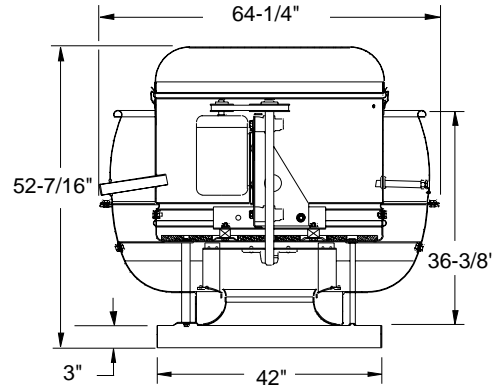
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

365 ACRUB / ACSC

Wheel Diameter - 36.5 inches
Tip Speed (FPM) - 9.6 x RPM
Maximum RPM (Standard Wheel) - 624
Maximum RPM (Reinforced Wheel) - 659
Maximum BHP - $18.3 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 420 lbs.
Roof Curb - RCG, RCA - 40
Roof Opening - 37-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

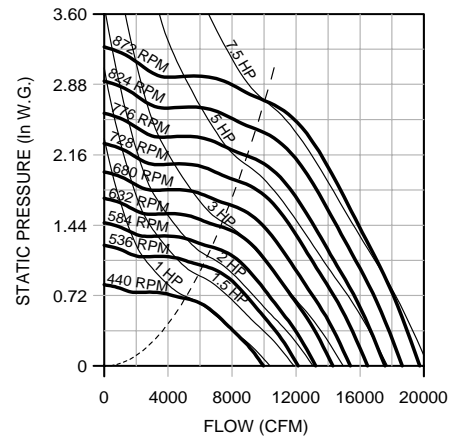
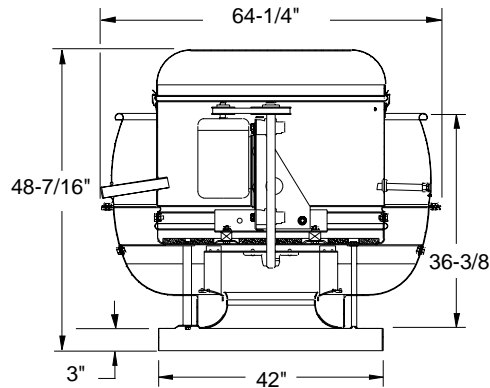


365 ACRUB-HP / ACSC-HP

Wheel Diameter - 36.5 inches
Tip Speed (FPM) - 9.6 x RPM
Maximum RPM (Standard Wheel) - 735
Maximum RPM (Reinforced Wheel) - 872
Maximum BHP - $12.0 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 420 lbs.
Roof Curb - RCG, RCA - 40
Roof Opening - 37-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

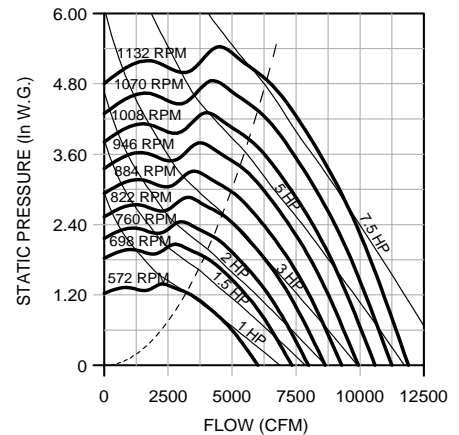
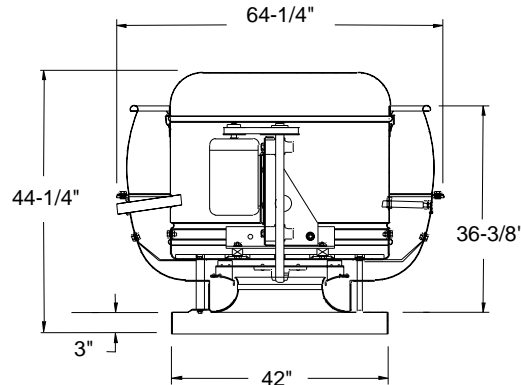


365 ACRUB-XP / ACSC-XP

Wheel Diameter - 36.5 inches
Tip Speed (FPM) - 9.6 x RPM
Maximum RPM - 1132
Maximum BHP - $5.48 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 420 lbs.
Roof Curb - RCG, RCA - 40
Roof Opening - 37-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

365 ACRUB / ACSC

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
365R6B	3/4	319	3048	9425		8374		6939		5421															
365SC6B	31 lbs.	346	3306	7.6	.52	7.2	.55	6.4	.57	5.6	.59														
				10222		9257		8064		6842															
				8.9	.66	8.6	.70	7.7	.72	6.9	.75														
365R7B	1	382	3650	11286		10415		9479		8170		7149													
365SC7B	36 lbs.			10.9	.89	10.5	.93	9.7	.96	8.9	.99	8.2	1.02												
365R8B	1-1/2	438	4185	12940		12183		11406		10474		9322		8485											
365SC8B	38 lbs.			14.2	1.34	14.1	1.39	13.2	1.43	12.4	1.16	11.6	1.49	10.9	1.53										
365R9B	2	460	4395	13590		12870		12135		11323		10163		9336		8315									
				15.5	1.55	15.5	1.60	14.6	1.65	13.8	1.69	13.0	1.71	12.3	1.75	11.6	1.79								
365SC9B	50 lbs.	483	4615	14270		13584		12887		12148		11131		10177		9427									
				17.0	1.80	17.0	1.85	16.2	1.90	15.4	1.94	14.6	1.97	13.9	2.00	13.2	2.05								
365R10B	3	519	4959	15333		14696		14050		13385		12617		11551		10780		10070							
				19.2	2.23	19.2	2.29	18.6	2.34	17.8	2.39	17.1	2.43	16.4	2.45	15.7	2.49	15.0	2.55						
365SC10B	74 lbs.	555	5303	16397		15801		15199		14585		13932		13088		12113		11440		10773					
				21	2.73	21	2.79	21	2.85	19.9	2.90	19.1	2.95	18.4	2.98	17.8	3.01	17.2	3.06	16.6	3.11				
365R11B	5	607	5800	17933		17389		16840		16284		15715		15096		14296		13383		12728		11446			
				24	3.57	24	3.64	24	3.70	23	3.77	23	3.82	22	3.87	21	3.90	21	3.93	20	3.98	18.9	4.10		
365SC11B	78 lbs.	659	6297	19469		18968		18464		17955		17438		16907		16322		15583		14716		13515		12244	
				28	4.57	28	4.64	28	4.71	27	4.78	26	4.85	26	4.90	25	4.95	24	4.99	24	5.02	23	5.13	22	5.26

365 ACRUB-HP / ACSC-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
365RH7B 365SCH7B	1 36 lbs.	440	4204	8756		7976		7188																	
				11.3	.97	10.8	1.00	10.1	1.02																
365RH8B 365SCH8B	1-1/2 38 lbs.	506	4835	10463		9834		9151		7719															
				15.1	1.44	14.4	1.49	13.9	1.52	12.3	1.56														
365RH9B 365SCH9B	2 50 lbs.	532	5083	11111		10540		9893		8585		6358													
				16.7	1.67	16.0	1.72	15.3	1.76	13.9	1.80	12.4	1.72												
		557	5322	11728		11204		10598		9362		7859													
				18.2	1.90	17.5	1.95	16.8	2.00	15.6	2.06	13.9	2.06												
365RH10B 365SCH10B	3 74 lbs.	599	5723	12749		12289		11757		10608		9416		7466											
				21	2.35	20	2.40	19.4	2.46	18.3	2.54	16.7	2.58	15.1	2.48										
		640	6115	13735		13321		12854		11788		10714		9485											
				23	2.85	22	2.91	22	2.97	21	3.07	19.4	3.13	17.9	3.14										
365RH11B 365SCH11B	5 98 lbs.	700	6688	15163		14798		14402		13476		12491		11499		10348									
				26	3.70	26	3.76	26	3.83	24	3.96	23	4.05	22	4.10	20	4.11								
		760	7262	16578		16251		15903		15109		14207		13306		12384		11327		9616					
				30	4.71	30	4.78	30	4.85	28	4.99	27	5.12	26	5.20	25	5.26	23	5.27	22	5.09				
365RH12B 365SCH12B	7-1/2 120 lbs.	816	7797	17890		17589		17275		16581		15774		14926		14088		13220		12240		10824			
				34	5.81	34	5.88	34	5.96	33	6.11	31	6.26	30	6.37	29	6.45	28	6.51	26	6.52	25	6.38		
		872	8332	19197		18918		18631		18011		17298		16512		15723		14937		14122		13214		12026	
				38	7.07	38	7.15	38	7.23	37	7.39	36	7.55	35	7.70	34	7.81	32	7.89	31	7.94	29	7.96	28	7.86

365 ACRUB-XP / ACSC-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
365RX7B	1 36 lbs.	572	5465	4040																					
365SCX7B				10.8	1.02																				
365RX8B	1-1/2 38 lbs.	657	6278	5355		4807		4166																	
365SCX8B				13.3	1.49	13.5	1.54	14.4	1.55																
365RX9B	2 50 lbs.	691	6602	5829		5344		4784		4112															
365SCX9B				14.5	1.70	14.4	1.76	15.1	1.81	16.2	1.78														
		724	6918	6269		5836		5335		4770															
15.8	1.92			15.7	2.00	15.9	2.06	16.7	2.08																
365RX10B	3 74 lbs.	778	7434	6957		6591		6171		5698		5173		4532											
365SCX10B				18.0	2.31	17.7	2.42	17.6	2.50	17.9	2.56	18.8	2.58	19.9	2.53										
		831	7940	7608		7288		6930		6526		6080		5590		5027									
20	2.74			19.6	2.87	19.5	2.98	19.3	3.05	19.8	3.12	21	3.15	22	3.11										
365RX11B	5 98 lbs.	909	8686	8537		8262		7967		7642		7282		6890		6465		5478							
365SCX11B				23	3.45	23	3.62	23	3.76	22	3.88	22	3.97	22	4.04	23	4.41	25	4.06						
		988	9441	9456		9211		8955		8684		8390		8069		7721		6950		6050					
27	4.29			26	4.49	26	4.66	26	4.82	25	4.95	25	5.05	25	5.14	26	5.28	28	5.23						
365RX12B	7-1/2 120 lbs.	1060	10129	10279		10056		9825		9585		9332		9061		8768		8117		7385		6546			
365SCX12B				31	5.17	30	5.39	29	5.59	29	5.78	29	5.94	28	6.09	28	6.21	28	6.39	30	6.52	31	6.47		
		1132	10817	11093		10886		10675		10458		10232		9996		9745		9191		8566		7875		7099	
35	6.17			34	6.40	33	6.62	33	6.84	32	7.04	32	7.22	32	7.38	31	7.62	31	7.81	33	7.95	35	7.91		

Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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. **Shaded area indicates reinforced wheel required.**

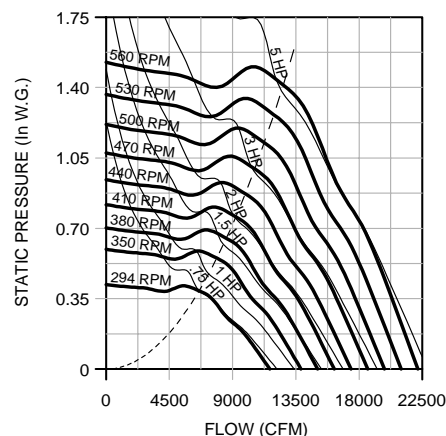
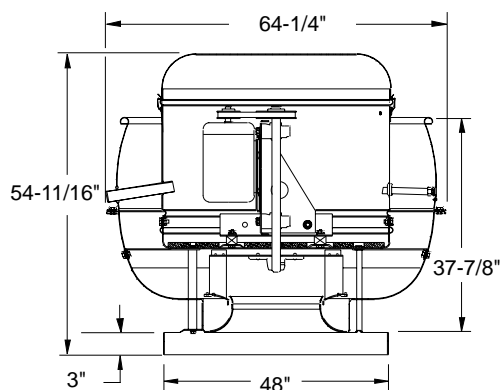
402, 445, 490 ACRUB Data

402 ACRUB

Wheel Diameter - 40.25 inches
Tip Speed (FPM) - 10.5 x RPM
Maximum RPM (Standard Wheel) - 539
Maximum RPM (Reinforced Wheel) - 560
Maximum BHP - $29.8 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 484 lbs.
Roof Curb - RCG, RCA - 46
Roof Opening - 43-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

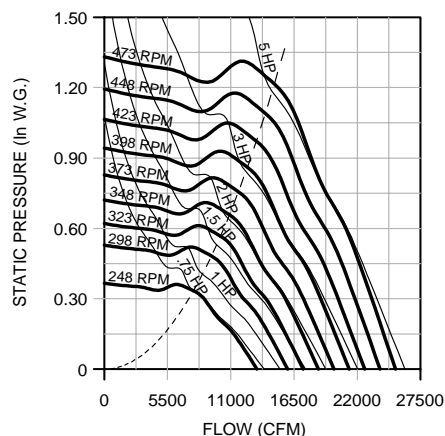
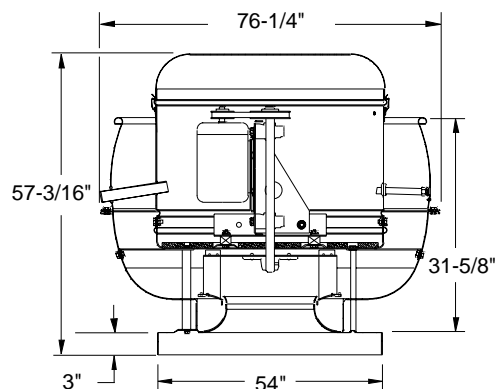


445 ACRUB

Wheel Diameter - 44.5 inches
Tip Speed (FPM) - 11.7 x RPM
Maximum RPM (Standard Wheel) - 463
Maximum RPM (Reinforced Wheel) - 473
Maximum BHP - $49.2 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 556 lbs.
Roof Curb - RCG, RCA - 52
Roof Opening - 49-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

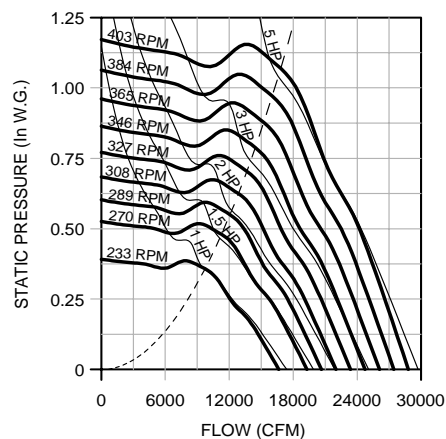
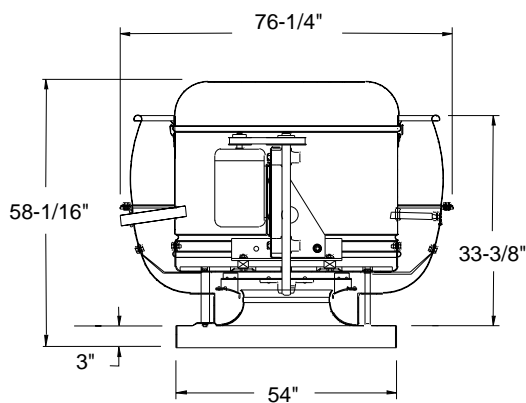


490 ACRUB

Wheel Diameter - 49 inches
Tip Speed (FPM) - 12.8 x RPM
Maximum RPM (Standard Wheel) - 360
Maximum RPM (Reinforced Wheel) - 403
Maximum BHP - $79.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 715 lbs.
Roof Curb - RCG, RCA - 52
Roof Opening - 49-1/2 inches

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

402 ACRUB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
402R6B	3/4 31 lbs.	294	3098	11648		10390		8682		7054															
				8.1	.66	7.6	.70	6.8	.73	6.0	.76														
402R7B	1 36 lbs.	324	3414	12836		11700		10378		8833															
				9.7	.88	9.3	.93	8.6	.96	7.7	.99														
402R8B	1-1/2	348	3667	13787		12732		11600		10011		8786													
				11.2	1.09	10.9	1.15	10.0	1.19	9.2	1.21	8.4	1.26												
	38 lbs.	372	3919	14738		13752		12727		11292		10094													
				12.7	1.34	12.5	1.39	11.7	1.44	10.9	1.47	10.0	1.51												
402R9B	2	392	4130	15530		14596		13635		12443		11075		10008											
				14.1	1.57	13.9	1.62	13.1	1.67	12.2	1.71	11.4	1.74	10.7	1.79										
	50 lbs.	411	4330	16283		15393		14482		13456		12024		11041		9511									
				15.4	1.80	15.3	1.87	14.5	1.92	13.7	1.96	12.9	1.99	12.1	2.04	11.3	2.07								
402R10B	3	441	4647	17472		16642		15799		14910		13702		12517		11618									
				17.4	2.23	17.4	2.29	16.7	2.36	15.9	2.41	15.1	2.44	14.4	2.48	13.7	2.53								
	74 lbs.	471	4963	18660		17884		17098		16289		15355		14058		13119		12256							
				19.6	2.71	19.6	2.79	18.9	2.85	18.1	2.91	17.4	2.95	16.7	2.98	16.0	3.04	15.3	3.10						
402R11B	5	515	5426	20403		19694		18979		18250		17487		16555		15347		14475		13714					
				23	3.55	23	3.63	22	3.70	22	3.77	21	3.83	20	3.87	19.5	3.90	18.8	3.96	18.2	4.02				
	98 lbs.	560	5900	22186		21534		20878		20214		19536		18809		17911		16786		15939		14485			
				26	4.56	26	4.65	26	4.73	25	4.81	24	4.88	23	4.93	23	4.98	22	5.01	21	5.07	20	5.21		

445 ACRUB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
445R6B	3/4 31 lbs.	248	2889	13278		11622		9396																	
				7.2	.66	6.8	.70	5.9	.73																
445R7B	1 36 lbs.	274	3192	14670		13181		11219		9428															
				8.8	.88	8.4	.94	7.5	.97	6.7	1.01														
445R8B	1-1/2	294	3425	15740		14358		12758		10864															
				10.0	1.09	9.6	1.15	8.8	1.19	8.0	1.23														
	38 lbs.	315	3669	16865		15577		14198		12258		10768													
				11.4	1.34	11.1	1.41	10.3	1.45	9.4	1.49	8.6	1.54												
445R9B	2	331	3856	17721		16498		15219		13393		11972													
				12.5	1.56	12.3	1.62	11.5	1.68	10.6	1.71	9.8	1.76												
	50 lbs.	347	4042	18578		17412		16208		14633		13043		11553											
				13.7	1.80	13.6	1.86	12.7	1.92	11.9	1.96	11.1	2.01	10.3	2.07										
445R10B	3	373	4345	19970		18887		17779		16538		14792		13586		11818									
				15.7	2.23	15.7	2.31	14.8	2.37	14.1	2.42	13.2	2.46	12.4	2.52	11.6	2.56								
	74 lbs.	398	4636	21309		20294		19262		18173		16686		15247		14146									
				17.6	2.71	17.6	2.79	16.9	2.86	16.1	2.92	15.3	2.96	14.6	3.01	13.9	3.08								
445R11B	5	436	5079	23343		22418		21481		20522		19455		17953		16703		15707		14305					
				21	3.56	21	3.65	21	3.73	19.3	3.81	18.6	3.87	17.8	3.90	17.2	3.96	16.5	4.04	15.8	4.11				
	98 lbs.	473	5510	25324		24471		23612		22737		21827		20762		19312		18178		17265					
				24	4.55	24	4.64	24	4.74	23	4.82	22	4.89	21	4.95	20	4.99	19.8	5.05	19.1	5.13				

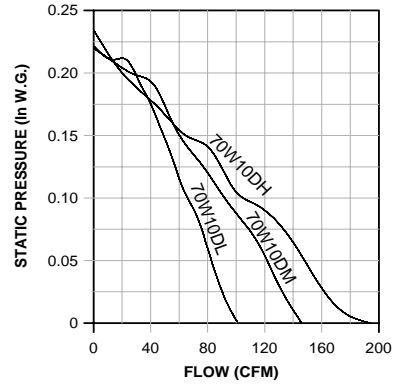
490 ACRUB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
490R7B	1 36 lbs.	233	2988	16655		14719		12081																	
				7.8	.88	7.3	.94	6.5	.97																
490R8B	1-1/2	251	3219	17941		16152		13825		11666															
				9.0	1.10	8.7	1.16	7.8	1.21	6.9	1.26														
	38 lbs.	268	3437	19156		17486		15564		13259															
				10.3	1.34	9.9	1.41	9.1	1.46	8.3	1.50														
490R9B	2	282	3617	20157		18572		16856		14496		12543													
				11.4	1.56	11.1	1.63	10.2	1.69	9.3	1.73	8.5	1.80												
	50 lbs.	295	3784	21086		19573		17979		15688		13990													
				12.3	1.78	12.1	1.86	11.3	1.93	10.4	1.97	9.5	2.03												
490R10B	3	317	4066	22659		21253		19803		17934		15976		14252											
				14.1	2.21	14.0	2.30	13.1	2.37	12.3	2.42	11.4	2.47	10.7	2.55										
	74 lbs.	339	4348	24231		22918		21576		20073		17957		16493		14366									
				16.0	2.71	15.9	2.80	15.1	2.88	14.3	2.94	13.5	2.99	12.7	3.06	11.9	3.11								
490R11B	5	371	4759	26519		25320		24103		22834		21216		19339		18035		16312							
				18.7	3.55	18.7	3.65	18.0	3.74	17.2	3.82	16.5	3.88	15.7	3.93	15.0	4.01	14.3	4.09						
	98 lbs.	403	5169	28806		27703		26589		25448		24206		22499		20872		19684		18279					
				22	4.55	22	4.66	21	4.76	20	4.86	19.6	4.93	18.8	4.98	18.1	5.04	17.4	5.13	16.7	5.23				

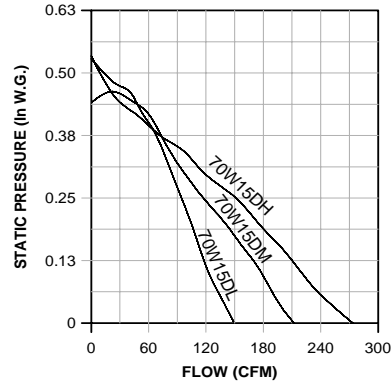
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

70 - 135 ACWD Data

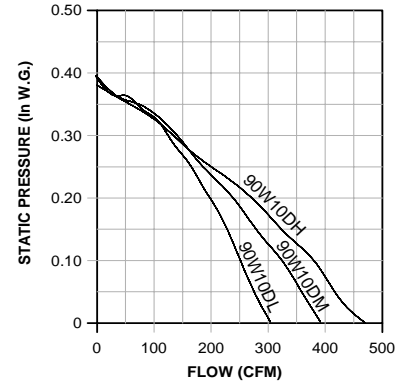
70W10DH, 70W10DM, 70W10DL



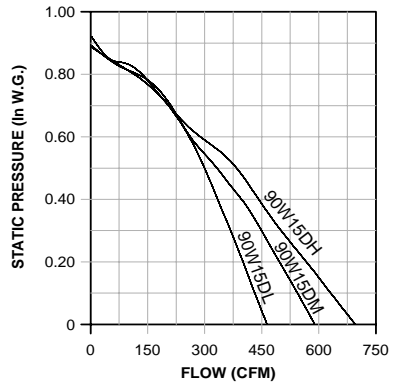
70W15DH, 70W15DM, 70W15DL



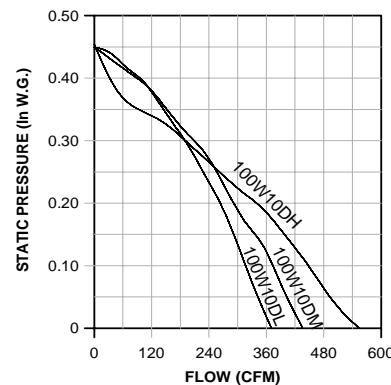
90W10DH, 90W10DM, 90W10DL



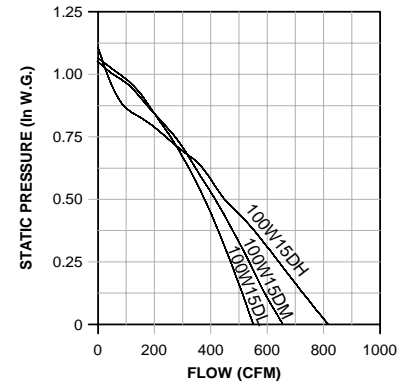
90W15DH, 90W15DM, 90W15DL



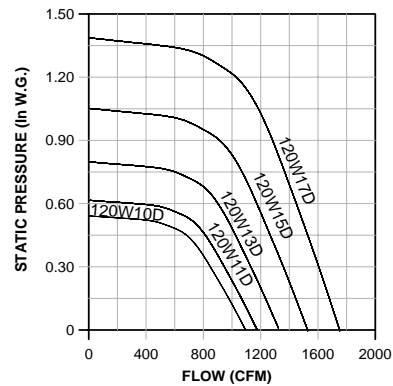
100W10DH, 100W10DM, 100W10DL



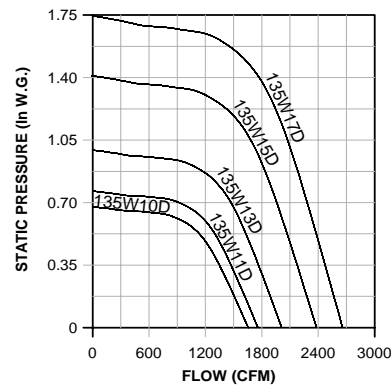
100W15DH, 100W15DM, 100W15DL



120W10D, 120W11D, 120W13D,
120W15D, 120W17D



135W10D, 135W11D, 135W13D,
135W15D, 135W17D



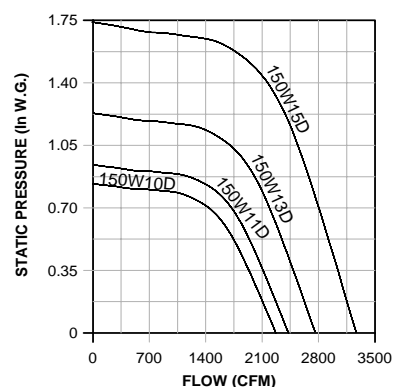
Performance certified is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. Speed (RPM) shown for models 70 - 100 is nominal. Performance is based on actual speed of test. Speed (RPM) for all other models is constant and based on actual speed of test. 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. *Motor is a 2-speed 1300/1500 RPM motor.

Catalog Number	Mtr. HP	Fan RPM	Tip Speed	Max. Watts	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
					Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
70W10DL	1/25	1160	2123	72	100		56																			
					3.4		3.6																			
70W10DM	1/25	1150	2105	75	145		76																			
					3.7		3.3																			
70W10DH	1/25	1050	1922	80	194		89																			
					5.0		4.9																			
70W15DL	1/20	1720	3112	86	149		117		94																	
					5.5		5.4		4.8																	
70W15DM	1/20	1680	3057	92	211		169		116																	
					6.6		5.9		5.1																	
70W15DH	1/20	1550	2837	92	274		210		151																	
					6.4		6.4		5.9																	
90W10DL	1/25	1130	2655	80	306		241		167																	
					4.6		4.2		4.1																	
90W10DM	1/25	1110	2596	85	391		299		184																	
					5.2		4.8		4.0																	
90W10DH	1/25	1050	2478	85	470		353		201																	
					4.4		4.3		4.1																	
90W15DL	1/8	1710	4047	95	462		422		383		340		297		246		168									
					8.4		8.1		7.9		7.5		7.1		6.7		6.2									
90W15DM	1/8	1680	3841	118	584		526		467		405		325		242		172									
					9.9		9.7		9.6		8.8		8.0		7.3		6.7									
90W10DH	1/8	1550	3658	132	696		616		533		456		384		263		166									
					7.8		7.8		7.3		7.1		7.0		6.9		6.8									
100W10DL	1/25	1100	2882	89	370		304		227																	
					6.1		5.9		5.7																	
100W10DM	1/25	1090	2817	90	435		358		256		124															
					6.1		5.8		5.5		5.2															
100W10DH	1/25	1050	2751	94	554		424		261																	
					6.6		6.9		6.4																	
100W15DL	1/8	1650	4362	130	549		509		468		424		376		320		254		177							
					10.0		9.7		9.4		9.0		8.7		8.8		8.9		9.1							
100W15DM	1/8	1640	4258	139	656		591		537		477		415		346		271		173							
					10.6		10.3		9.9		9.8		9.6		9.7		9.8		9.9							
100W15DH	1/8	1550	4061	169	816		727		641		554		449		372		240									
					9.6		9.5		9.4		9.6		9.9		10.2		10.5									
120W10D	1/6	1075	3376	-	1095		998		892		779															
					7.6	.08	7.6	.09	7.1	.09	6.5	.09														
120W11D	1/6	1140	3581	-	1161		1070		971		868		733													
					8.7	.09	8.7	.10	8.3	.11	7.7	.11	7.1	.11												
120W13D	1/4*	1300	4084	-	1324		1244		1161		1072		981		867											
					11.4	.14	11.4	.15	11.1	.16	10.6	.16	10.0	.16	9.4	.16										
120W15D	1/4*	1550	4869	-	1579		1512		1444		1372		1298		1223		1143		1047		872					
					14.9	.24	14.9	.25	14.9	.26	14.5	.26	14.2	.27	13.9	.27	13.5	.28	13.2	.28	13.0	.27				
120W17D	1/3	1725	5417	-	1757		1697		1637		1574		1509		1442		1374		1304		1227		946			
					17.6	.33	17.6	.34	17.6	.35	17.4	.36	17.1	.37	16.7	.37	16.4	.37	16.1	.38	15.8	.38	15.2	.36		
135W10D	1/6	1075	3795	-	1656		1550		1441		1324		1177													
					9.6	.14	9.6	.15	9.2	.16	8.6	.16	8.0	.16												
135W11D	1/6	1140	4029	-	1756		1657		1555		1447		1325		1140		1325									
					11.2	.16	11.2	.18	10.9	.18	10.3	.19	9.7	.19	9.1	.19	9.7	.19								
135W13D	1/2*	1300	4595	-	2002		1915		1827		1736		1640		1535		1640		1152							
					14.6	.24	14.6	.26	14.5	.27	14.0	.28	13.5	.28	12.8	.28	13.5	.28	11.8	.27						
135W15D	1/2*	1550	5478	-	2387		2315		2241		2167		2091		2012		2091		1841		1736		1358			
					19.0	.41	19.0	.43	19.0	.44	18.8	.46	18.4	.47	18.1	.47	18.4	.47	17.5	.48	17.1	.48	16.5	.45		
135W17D	3/4	1725	6089	-	2657		2592		2526		2459		2392		2323		2253		2180		2103		1922		1614	
					23	.56	23	.58	23	.60	23	.62	23	.63	23	.64	22	.65	22	.65	22	.66	21	.67	21	.64

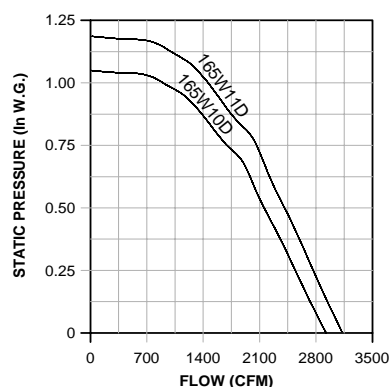
Performance certified is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. Speed (RPM) shown for models 70 - 100 is nominal. Performance is based on actual speed of test. Speed (RPM) for all other models is constant and based on actual speed of test. 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. *Motor is a 2-speed 1300/1500 RPM motor.

150 - 195 ACWD Data

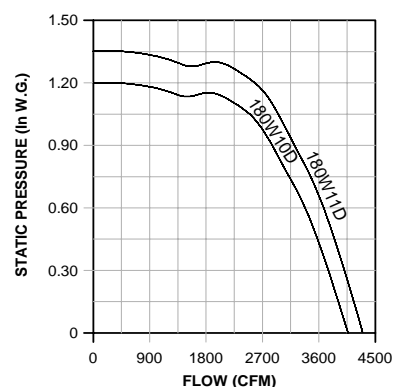
**150W10D, 150W11D, 150W13D,
150W15D**



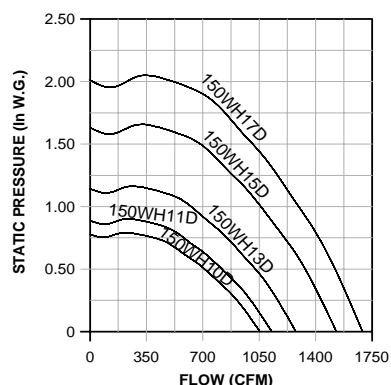
165W10D, 165W11D



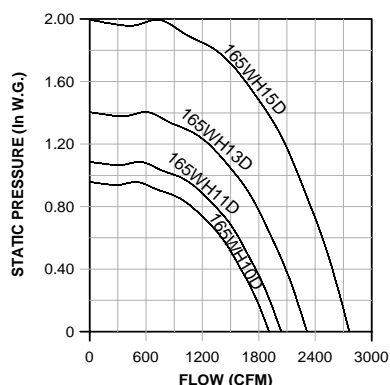
180W10D, 180W11D



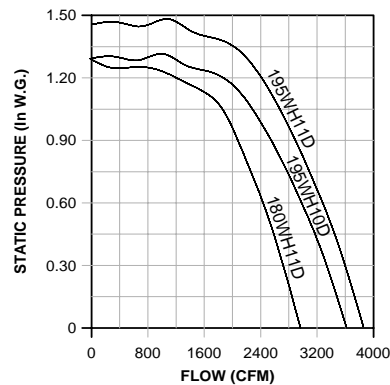
**150WH10D, 150WH11D, 150WH13D,
150WH15D, 150WH17D**



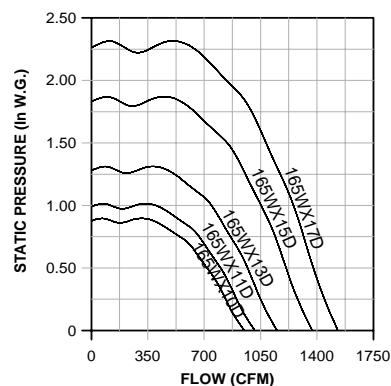
**165WH10D, 165WH11D, 165WH13D,
165WH15D**



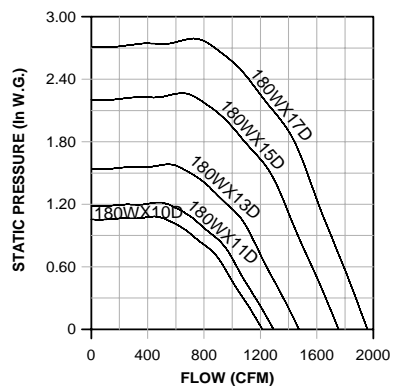
180WH11D, 195WH10D, 195WH11D



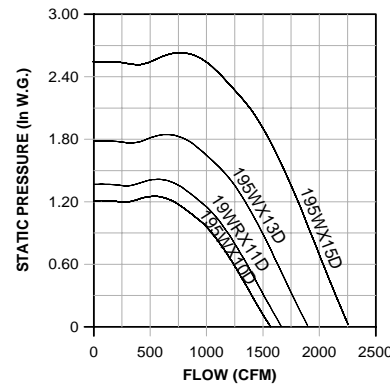
**165WX10D, 165WX11D, 165WX13D,
165WX15D, 165WX17D**



**180WX10D, 180WX11D, 180WX13D,
180WX15D, 180WX17D**



**195WX10D, 195WX11D, 195WX13D,
195WX15D**



Performance certified is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. Speed (RPM) shown for model 165W10 is nominal. Performance is based on actual speed of test. Speed (RPM) for all other models is constant and based on actual speed of test. 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. *Motor is a 2-speed 1300/1550 RPM motor.

150-180 ACWD

Cat. No.	Mtr. HP	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150W10D	1/3	1075	4225	2272		2154		2035		1910		1775		1601		1258									
				12.1	.23	12.1	.25	11.9	.26	11.4	.27	10.8	.27	10.2	.27	9.6	.25								
150W11D	1/3	1140	4477	2409		2298		2186		2071		1948		1808		1948									
				13.9	.27	13.9	.29	13.7	.31	13.3	.32	12.7	.32	12.1	.32	12.7	.32								
150W13D	3/4*	1300	5105	2747		2650		2553		2453		2351		2244		2351		1989		1791					
				18.0	.41	18.0	.43	18.0	.45	17.6	.46	17.2	.47	16.6	.47	17.2	.47	15.6	.48	15.1	.48				
150W15D	1550	6087		3275		3194		3113		3030		2947		2862		2947		2685		2590		2365		1979	
				24	.69	24	.72	24	.74	24	.76	23	.78	23	.79	23	.78	22	.80	22	.81	21	.82	21	
165W10D	1/3	1075	4644	2925		2728		2543		2359		2156		1981		1696									
				14.9	.37	14.9	.38	14.8	.39	14.4	.39	13.8	.39	13.3	.39	12.8	.39								
165W11D	3/4	1140	4924	3194		3041		2894		2753		2602		2428		2602		2050							
				16.9	.48	16.9	.50	16.9	.52	16.4	.54	16.0	.55	15.4	.55	16.0	.55	14.4	.55						
180W10D	3/4*	1075	5066	4065		3936		3805		3667		3518		3344		3518		2899		2646					
				16.4	.61	16.4	.63	16.3	.65	15.6	.67	14.9	.69	14.4	.70	14.9	.69	13.6	.70	13.2	.69				
180W11D	3/4*	1140	5369	4310		4189		4066		3939		3803		3653		3474		3261		3047					
				17.9	.73	17.9	.75	17.9	.77	17.2	.79	16.5	.81	15.9	.83	15.5	.84	15.2	.84	14.8	.83				

150-195 ACWD-HP

Cat. No.	Mtr. HP	Fan RPM	Tip Speed	0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150WH10D	1/6	1075	4222	988		913		817		711		579													
				6.4	.12	6.5	.12	6.5	.13	6.4	.13	5.9	.13												
150WH11D	1/4	1140	4477	1055		987		904		804		696		566											
				7.2	.14	7.2	.15	7.3	.15	7.3	.15	6.9	.15	6.4	.15										
150WH13D	1/3*	1300	5105	1220		1163		1099		1022		934		846		736		623							
				9.2	.20	9.2	.21	9.1	.22	9.3	.23	9.5	.23	9.1	.23	8.6	.23	8.1	.22						
150WH15D	1550	6087		1475		1428		1379		1326		1266		1196		1122		1049		872		668			
				12.4	.34	12.4	.35	12.3	.36	12.2	.37	12.3	.38	12.4	.38	12.4	.39	12.3	.39	11.4	.38	10.6	.36		
150WH17D	1/2	1725	6774	1651		1609		1566		1521		1473		1420		1359		1293		1161		1005		834	
				14.8	.47	14.8	.48	14.8	.49	14.8	.50	14.7	.51	14.7	.52	14.6	.53	14.6	.53	14.4	.53	13.7	.53	13.1	.51
165WH10D	1/3	1075	4644	1830		1742		1633		1514		1375		1175											
				8.9	.22	8.7	.23	8.5	.24	8.3	.25	8.1	.25	8.1	.25										
165WH11D	1/3	1140	4924	1950		1869		1772		1662		1546		1393		1194									
				9.9	.26	9.7	.27	9.5	.28	9.3	.29	9.1	.30	9.0	.30	9.0	.29								
165WH13D	3/4*	1300	5616	2244		2176		2100		2012		1915		1816		1704		1556							
				12.6	.38	12.6	.39	12.3	.41	11.9	.42	11.6	.43	11.6	.44	11.4	.44	11.5	.44						
165WH15D	1550	6696		2699		2643		2585		2522		2451		2373		2292		2210		2027		1765		1428	
				16.5	.63	16.5	.65	16.5	.67	16.2	.69	15.9	.70	15.6	.72	15.4	.73	15.1	.74	14.8	.75	14.8	.74	15.0	.72
180WH11D	1/2	1140	5372	2864		2762		2655		2537		2407		2261		2109		1944							
				13.7	.43	13.7	.44	13.5	.46	13.2	.47	12.7	.48	12.2	.49	11.6	.50	11.1	.51						
195WH10D	3/4	1075	5488	3522		3402		3274		3127		2964		2791		2604		2392							
				14.7	.57	14.7	.60	14.3	.62	13.9	.63	13.3	.65	12.6	.66	11.9	.67	11.2	.67						
195WH11D	3/4	1140	5820	3748		3637		3519		3388		3240		3083		2917		2738		2296					
				16.4	.67	16.4	.70	16.2	.73	15.7	.75	15.3	.76	14.4	.77	13.8	.79	13.1	.80	11.9	.79				

165-195 ACWD-XP

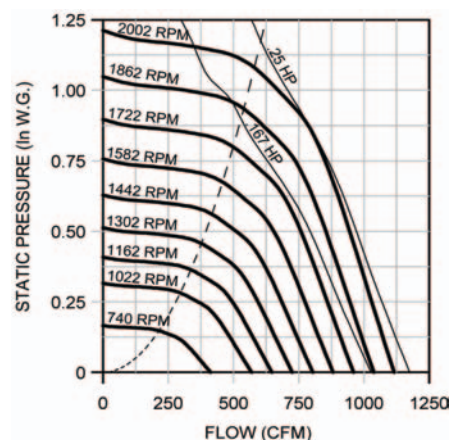
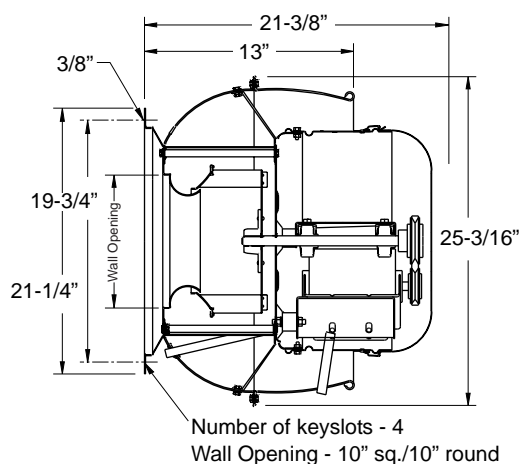
Cat. No.	Mtr. HP	Fan RPM	Tip Speed	0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		
				Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP		Sone/BHP
165WX10D	1/6	1075	4644	884		833		784		718		648		550												
				7.4	.1	7.1	.1	6.8	.11	6.5	.12	6.3	.12	6.1	.12											
165WX11D	1/4	1140	4924	945		895		850		795		728		662		547										
				8.2	.11	7.9	.12	7.7	.13	7.4	.14	7.1	.14	6.9	.15	6.7	.15									
165WX13D	1/3*	1300	5616	1093		1045		1005		965		918		859		802		741		512						
				10.3	.16	10.1	.17	9.9	.18	9.6	.19	9.4	.2	9.1	.21	8.8	.21	8.7	.22	8.4	.21					
165WX15D		1550	6696	1321		1278		1241		1207		1174		1139		1099		1051		954		839		635		
						13.9	.27	13.8	.28	13.6	.3	13.4	.31	13.2	.32	12.9	.33	12.7	.34	12.5	.35	12.0	.36	11.7	.37	11.4
165WX17D	1/2	1725	7451	1480		1441		1404		1372		1342		1312		1282		1248		1166		1078		988		
				16.3	.37	16.1	.39	16.0	.4	15.8	.41	15.7	.43	15.5	.44	15.3	.45	15.0	.46	14.6	.48	14.2	.49	13.9	.51	
180WX10D	1/3	1075	5066	1160		1102		1041		984		930		857		741		614								
				8.7	.14	8.4	.15	8.0	.16	7.8	.17	7.6	.17	7.6	.18	7.6	.19	7.7	.19							
180WX11D	1/4	1140	5372	1236		1182		1125		1069		1018		964		884		773								
				9.6	.16	9.3	.17	9.0	.19	8.7	.19	8.5	.2	8.4	.21	8.4	.22	8.5	.23							
180WX13D	1/2*	1300	6126	1423		1377		1329		1278		1229		1183		1139		1089		918		698				
				12.3	.24	12.0	.25	11.7	.26	11.3	.28	11.1	.29	10.9	.3	10.8	.31	10.7	.32	10.7	.34	11.0	.32			
180WX15D		1550	7304	1713		1675		1636		1595		1553		1511		1470		1430		1356		1266		1112		
						16.9	.39	16.5	.41	16.2	.43	15.8	.44	15.5	.46	15.2	.47	15.0	.49	14.9	.5	14.7	.52	14.5	.54	14.6
180WX17D	3/4	1725	8129	1914		1880		1846		1810		1774		1736		1698		1660		1589		1522		1448		
				19.7	.54	19.4	.55	19.1	.57	18.8	.59	18.5	.61	18.2	.63	18.1	.64	17.9	.66	17.7	.69	17.6	.71	17.4	.74	
195WX10D	1/3	1075	5488	1497		1429		1362		1296		1226		1150		1066		961								
				9.5	.21	9.1	.22	8.7	.23	8.3	.25	8.0	.26	7.8	.27	7.5	.28	7.2	.28							
195WX11D	1/3	1140	5820	1596		1531		1468		1406		1342		1274		1200		1119		883						
				10.6	.24	10.2	.26	9.7	.27	9.4	.29	9.1	.3	8.8	.31	8.5	.32	8.3	.33	7.7	.33					
195WX13D	3/4*	1300	6637	1837		1780		1723		1669		1614		1559		1501		1440		1307		1129				
				13.7	.35	13.2	.37	12.8	.39	12.3	.41	11.9	.42	11.6	.44	11.3	.45	11.1	.46	10.7	.48	10.1	.5			
195WX15D		1550	7913	2210		2162		2114		2067		2021		1975		1929		1883		1787		1684		1571		
						18.8	.59	18.3	.61	17.8	.64	17.4	.66	17.0	.68	16.6	.7	16.2	.72	15.9	.74	15.3	.77	15.0	.79	14.7

100 ACWB

Wheel Diameter - 10"
Tip Speed (FPM) - $2.6 \times \text{RPM}$
Maximum RPM - 2002
Maximum BHP - $.031 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 10"
Wall Opening (Square) - 10"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .080

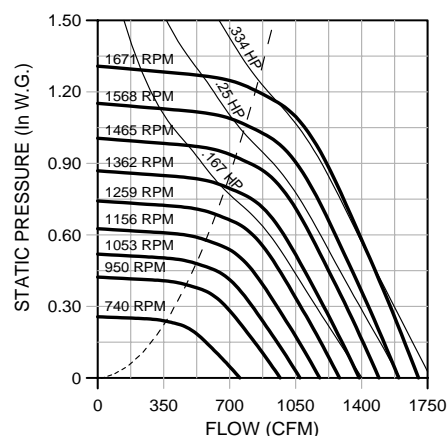
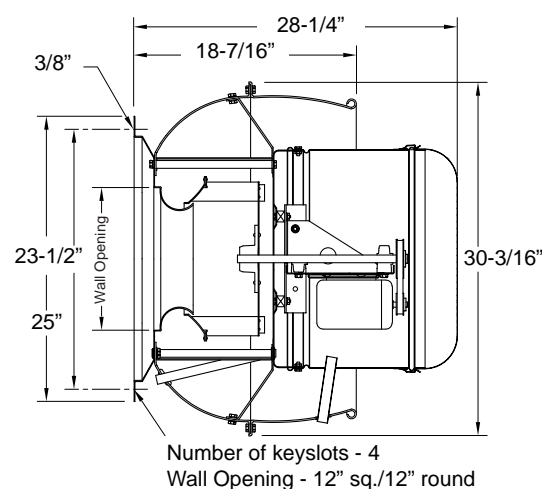


120 ACWB

Wheel Diameter - 12"
Tip Speed (FPM) - $3.1 \times \text{RPM}$
Maximum RPM - 1671
Maximum BHP - $.072 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 60 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 12"
Wall Opening (Square) - 12"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .080

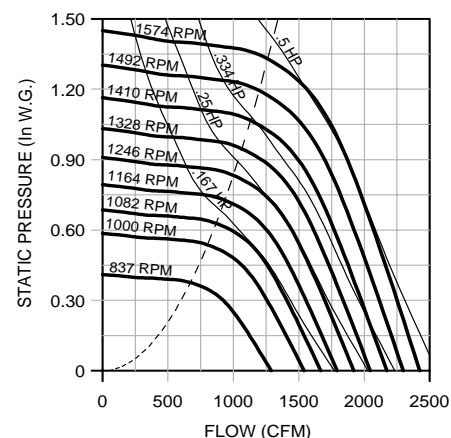
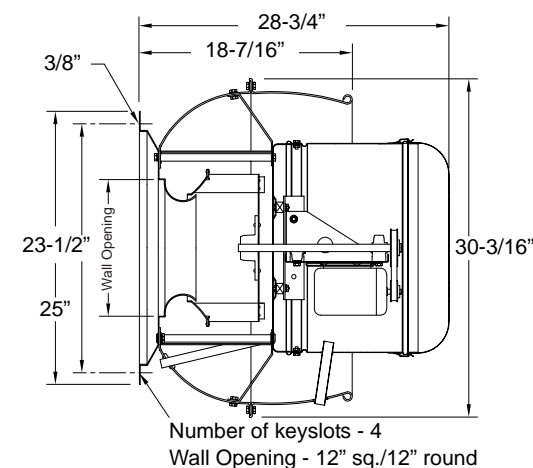


135 ACWB

Wheel Diameter - 13.5"
Tip Speed (FPM) - $3.5 \times \text{RPM}$
Maximum RPM - 1574
Maximum BHP - $.13 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 65 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 12"
Wall Opening (Square) - 12"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

100 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
100W2B	1/6" 15 lbs.	740	1937	412		279																			
				1.7	.01	1.6	.01																		
		940	2460	524		433																			
				3.5	.02	3.3	.02																		
		1140	2984	635		560		479																	
				5.8	.04	5.7	.04	5.3	.05																
		1340	3508	747		683		619		542															
				8.0	.06	7.9	.07	7.7	.07	7.3	.07														
100W3B	1/4" 15 lbs.	1540	4031	858		802		747		690		619		469											
				9.8	.10	9.7	.10	9.6	.11	9.3	.11	8.9	.11	8.5	.10										
		1742	4560	970		921		872		824		772		709		592									
				11.7	.14	11.6	.15	11.5	.15	11.4	.16	11.1	.16	10.7	.16	10.3	.16								
		1807	4730	1007		959		912		865		817		761		678		531							
				12.4	.16	12.3	.16	12.3	.17	12.2	.17	11.9	.18	11.5	.18	11.2	.18	10.9	.16						
		1872	4900	1043		997		951		906		860		810		745		626							
				13.1	.17	13.1	.18	13.0	.19	12.9	.19	12.7	.19	12.4	.20	12.1	.20	11.8	.19						
100W3B	15 lbs.	1937	5071	1079		1035		991		947		903		856		801		714		576					
				14.1	.19	14.0	.20	13.9	.21	13.8	.21	13.6	.21	13.2	.22	13.0	.22	12.77	.22	12.4	.20				
		2002	5241	1115		1072		1030		988		945		901		851		786		671					
				15.2	.21	15.1	.22	15.0	.23	14.9	.23	14.8	.24	14.4	.24	14.0	.25	13.6	.25	13.3	.24				

*1/6 & 1/4 HP motor available only in single phase ODP type.

120 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
120W2B	1/6 15 lbs.	904	2840	921		803		673																	
				5.2	.05	5.0	.05	4.4	.05																
		1037	3257	1056		955		845		722															
				7.0	.07	7.0	.08	6.5	.08	5.9	.08														
		1170	3675	1192		1103		1008		908		788													
9.2	.10			9.2	.11	8.9	.11	8.2	.12	7.6	.12														
1302	4090	1326		1247		1163		1075		983		871													
		11.4	.14	11.4	.15	11.1	.16	10.7	.16	10.0	.16	9.4	.16												
120W3B	1/4 15 lbs.	1367	4294	1393		1317		1238		1154		1069		975		832									
				12.2	.16	12.2	.17	12.0	.18	11.7	.18	11.0	.19	10.4	.19	10.0	.19								
		1432	4498	1459		1386		1312		1233		1152		1067		964		747							
				13.1	.19	13.1	.20	12.9	.21	12.6	.21	12.0	.21	11.6	.22	11.3	.22	10.9	.20						
		1496	4699	1524		1455		1384		1309		1232		1153		1066		944							
14.0	.21			14.0	.22	13.9	.23	13.6	.24	13.2	.24	12.8	.25	12.5	.25	12.2	.25								
120W4B	1/3 19 lbs.	1549	4866	1578		1511		1443		1371		1297		1222		1142		1045		869					
				14.9	.24	14.9	.25	14.9	.26	14.5	.26	14.2	.27	13.8	.27	13.5	.27	13.2	.28	12.9	.26				
		1602	5032	1632		1567		1502		1433		1361		1289		1214		1130		1015					
				15.8	.26	15.8	.27	15.8	.28	15.5	.29	15.1	.30	14.8	.30	14.5	.30	14.2	.30	13.9	.30				
		1655	5199	1686		1623		1560		1494		1425		1355		1284		1208		1116					
16.6	.29			16.6	.30	16.6	.31	16.3	.32	16.0	.32	15.6	.33	15.3	.33	15.0	.34	14.7	.34						

135 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
135W2B	1/6 15 lbs.	837	2958	1289		1152		1001		876															
				5.7	.06	5.6	.07	5.0	.08	4.4	.07														
		957	3382	1474		1355		1230		1081															
				7.6	.10	7.5	.11	7.1	.11	6.5	.11														
135W3B	1/4 15 lbs.	1078	3809	1660		1555		1447		1330		1184													
				9.8	.14	9.8	.15	9.5	.16	8.9	.16	8.3	.16												
		1132	4000	1744		1643		1541		1432		1308		1113											
				11.0	.16	11.0	.17	10.7	.18	10.1	.18	9.5	.19	8.9	.19										
135W4B	1/3 19 lbs.	1186	4191	1827		1731		1634		1532		1420		1275		971									
				12.2	.18	12.2	.20	12.0	.21	11.5	.21	10.8	.22	10.2	.22	9.7	.20								
		1240	4382	1910		1819		1726		1629		1527		1406		1219									
				13.5	.21	13.5	.22	13.3	.23	12.9	.24	12.2	.24	11.6	.25	11.0	.24								
135W5B	1/2 23 lbs.	1306	4615	2012		1925		1837		1747		1652		1548		1415		1182							
				14.7	.24	14.7	.26	14.6	.27	14.1	.28	13.6	.28	12.9	.29	12.4	.29	12.0	.28						
		1371	4845	2112		2029		1946		1860		1772		1677		1569		1419		1130					
				15.7	.28	15.7	.30	15.7	.31	15.3	.32	14.9	.33	14.2	.33	13.8	.33	13.5	.33	13.1	.30				
135W6B	3/4 27 lbs.	1473	5206	2269		2192		2115		2036		1955		1871		1781		1677		1538					
				17.4	.35	17.4	.37	17.4	.38	17.1	.40	16.8	.40	16.5	.41	16.1	.41	15.7	.41	15.4	.42				
		1574	5562	2424		2353		2280		2207		2132		2055		1975		1889		1791		1470			
				19.5	.43	19.5	.45	19.5	.46	19.3	.48	19.0	.49	18.7	.49	18.3	.50	18.0	.50	17.7	.51	17.1	.49		

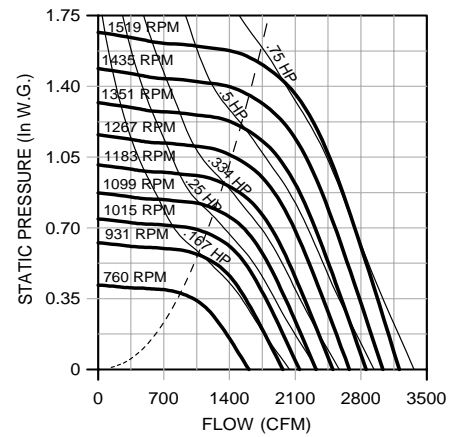
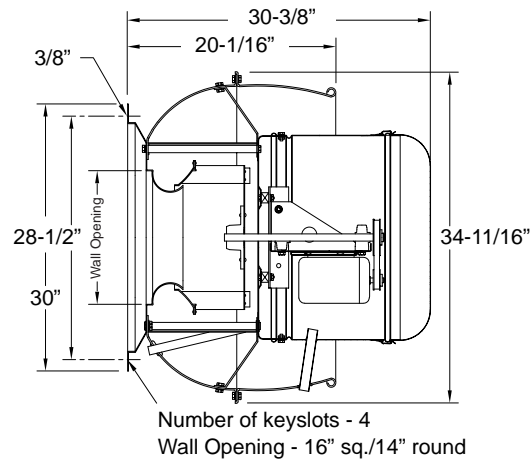
150 ACWB Data

150 ACWB

Wheel Diameter - 15"
Tip Speed (FPM) - $3.9 \times \text{RPM}$
Maximum RPM - 1520
Maximum BHP - $.22 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 70 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 14"
Wall Opening (Square) - 16"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .100

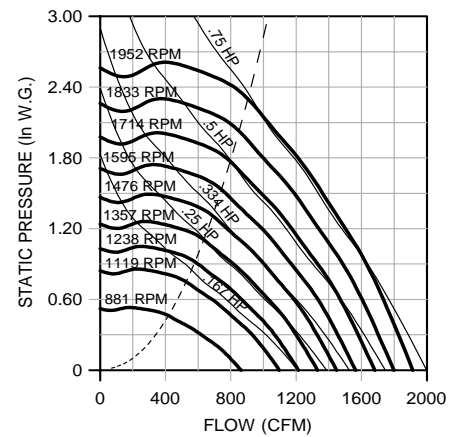
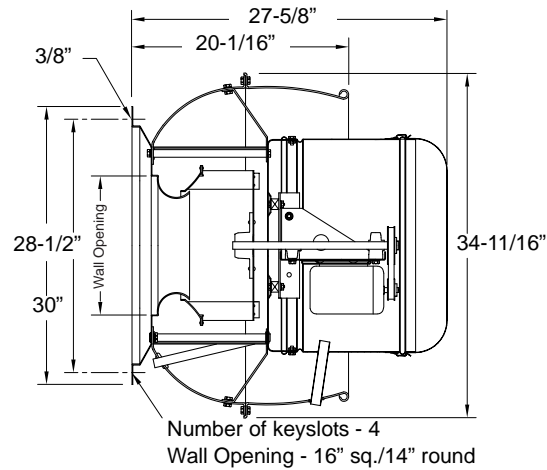


150 ACWB-HP

Wheel Diameter - 15"
Tip Speed (FPM) - $3.9 \times \text{RPM}$
Maximum RPM - 1952
Maximum BHP - $.22 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 70 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 14"
Wall Opening (Square) - 16"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .100



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

150 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150W2B	1/6 15 lbs.	760	2984	1606		1439		1254		889															
				6.0	.08	5.9	.09	5.3	.10	4.7	.09														
		832	3267	1758		1606		1444		1238															
				7.1	.11	7.0	.12	6.6	.12	5.9	.13														
		904	3550	1910		1770		1625		1462		1193													
				8.4	.14	8.4	.15	8.0	.16	7.4	.16	6.8	.16												
150W3B	1/4 15 lbs.	972	3817	2054		1924		1790		1647		1468													
				9.7	.17	9.7	.19	9.4	.20	8.9	.20	8.3	.20												
		1040	4084	2198		2076		1952		1822		1677		1469											
				11.3	.21	11.3	.22	11.1	.24	10.5	.24	9.9	.25	9.4	.25										
150W4B	1/3 19 lbs.	1149	4512	2428		2318		2207		2093		1971		1835		1648									
				14.1	.28	14.1	.30	14.0	.31	13.6	.32	13.0	.33	12.4	.33	11.8	.33								
150W5B	1/2 23 lbs.	1235	4849	2610		2508		2405		2299		2190		2074		1940		1756							
				16.6	.35	16.6	.37	16.5	.39	16.1	.40	15.7	.40	15.0	.41	14.4	.41	13.8	.41						
		1320	5183	2789		2694		2598		2500		2400		2295		2183		2052		1877					
				18.4	.43	18.4	.45	18.4	.47	18.0	.48	17.6	.49	17.1	.50	16.5	.50	16.0	.51	15.7	.51				
150W6B	3/4 31 lbs.	1420	5576	3001		2912		2823		2733		2641		2546		2447		2342		2221		1834			
				20	.53	20	.55	20	.58	20	.59	19.8	.61	19.4	.61	19.0	.62	18.6	.62	18.3	.63	17.6	.61		
		1519	5965	3210		3127		3044		2960		2875		2788		2698		2605		2506		2260			
				23	.65	23	.67	23	.70	23	.72	22	.73	22	.75	22	.75	21	.76	21	.76	20	.77		

150 ACWB-HP

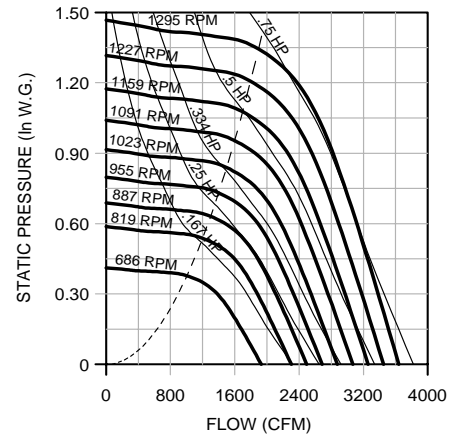
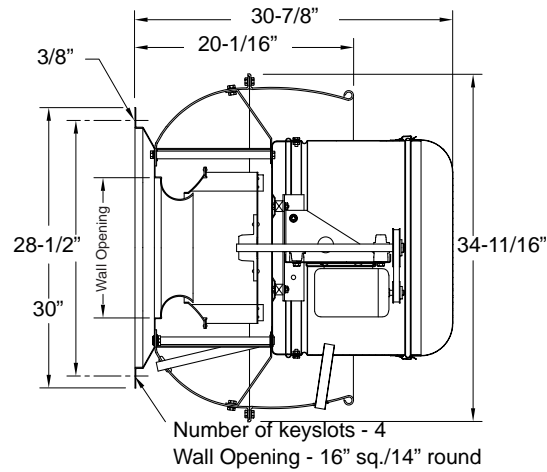
Catalog Number	Mtr.HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150WH2B	1/6	881	3459	672		536		339																	
				4.4	.07	4.1	.07	3.7	.06																
	15 lbs.	1162	4563	1012		932		835		606															
				7.4	.15	7.5	.16	7.6	.16	6.8	.16														
150WH3B	1/4	1249	4904	1108		1039		954		763		491													
				8.5	.19	8.6	.20	8.7	.20	8.2	.20	7.3	.18												
	15 lbs.			1202		1141		1069		899		689													
		1336	5246	9.6	.23	9.6	.24	9.8	.24	9.8	.25	8.7	.24												
150WH4B	1/3			1277		1221		1158		1000		818		587											
				10.6	.26	10.4	.27	10.6	.28	10.9	.29	10.0	.29	9.1	.27										
	19 lbs.			1352		1300		1242		1098		940		743											
		1478	5804	11.4	.30	11.3	.31	11.3	.32	11.6	.34	11.1	.33	10.2	.33										
150WH5B	1/2			1466		1419		1368		1245		1102		940		753									
				12.9	.37	12.8	.38	12.8	.39	12.8	.41	12.9	.42	12.0	.41	11.3	.40								
	23 lbs.			1579		1536		1489		1384		1253		1118		952		775							
		1696	6660	14.4	.45	14.4	.46	14.3	.47	14.3	.49	14.2	.51	13.9	.50	13.2	.50	12.6	.48						
150WH6B	3/4			1711		1671		1629		1538		1427		1301		1174		1014		852					
				16.2	.56	16.2	.57	16.2	.58	16.2	.60	16.2	.62	16.1	.63	15.6	.63	15.1	.62	14.7	.60				
	31 lbs.			1842		1805		1766		1685		1591		1477		1361		1239		1087		938			
		1952	7665	18.5	.68	18.5	.69	18.5	.71	18.4	.73	18.3	.75	18.3	.77	18.3	.77	17.8	.77	17.4	.76	17.1	.74		

Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

165 ACWB

Wheel Diameter - 16.5"
Tip Speed (FPM) - 4.3 x RPM
Maximum RPM - 1295
Maximum BHP - .35 x (RPM/1000)³
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 75 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 14"
Wall Opening (Square) - 16"

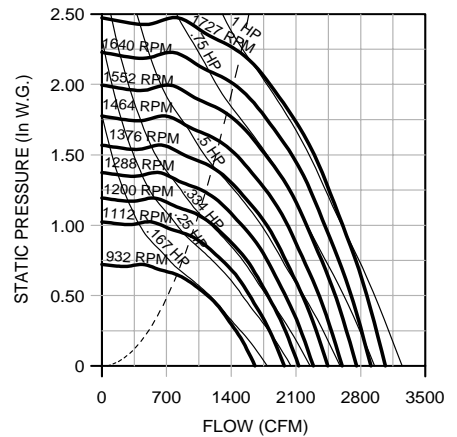
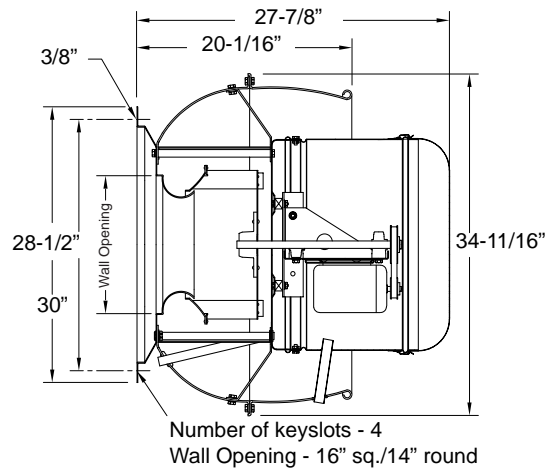
Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .100



165 ACWB-HP

Wheel Diameter - 16.5"
Tip Speed (FPM) - 4.3 x RPM
Maximum RPM - 1728
Maximum BHP - .35 x (RPM/1000)³
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 75 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 14"
Wall Opening (Square) - 16"

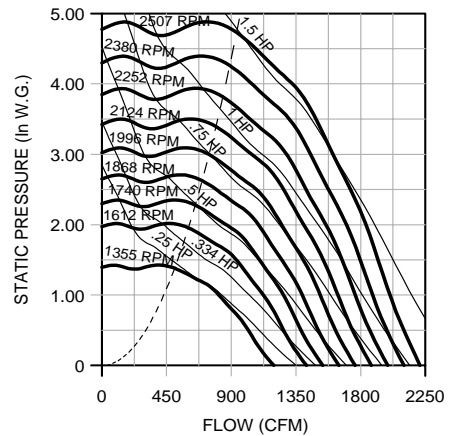
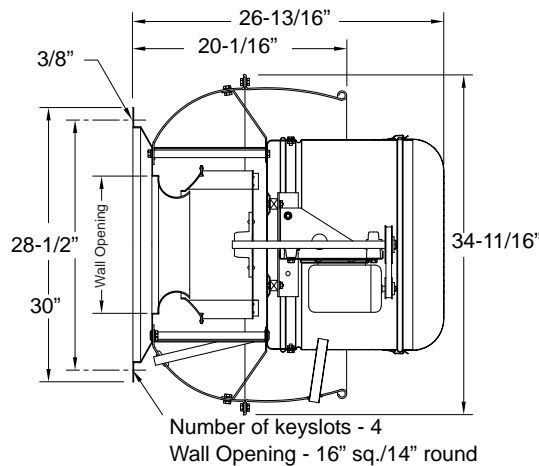
Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .100



165 ACWB-XP

Wheel Diameter - 16.5"
Tip Speed (FPM) - 4.3 x RPM
Maximum RPM - 2508
Maximum BHP - .35 x (RPM/1000)³
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 75 lbs.
Number of Keyslots - 4 for 3/8" bolt
Wall Opening (Round) - 14"
Wall Opening (Square) - 16"

Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .100



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

165 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165W2B	1/6 15 lbs.	686	2963	1929		1725		1500		1024															
				6.3	.10	6.2	.11	5.5	.11	4.8	.10														
		771	3330	2168		1988		1797		1564															
165W3B	1/4 15 lbs.	829	3581	2331		2164		1990		1796		1492													
				8.7	.17	8.7	.19	8.3	.20	7.7	.20	7.1	.20												
		887	3831	2494		2338		2177		2004		1792		1337											
165W4B	1/3 19 lbs.	933	4030	2624		2475		2323		2163		1981		1706											
				11.1	.24	11.1	.26	10.8	.28	10.3	.28	9.7	.29	9.1	.29										
		980	4233	2756		2615		2471		2320		2157		1950		1550									
165W5B	1/2 23 lbs.	1052	4544	2958		2827		2694		2556		2411		2249		2033		1608							
				14.3	.35	14.3	.37	14.1	.39	13.7	.40	13.2	.41	12.6	.41	12.1	.41	11.6	.38						
		1125	4859	3164		3041		2917		2790		2657		2517		2356		2138		1723					
165W6B	3/4 31 lbs.	1210	5226	3403		3289		3174		3057		2936		2811		2677		2525		2323					
				19.2	.53	19.2	.56	19.2	.58	18.8	.60	18.5	.61	17.9	.62	17.2	.62	16.6	.63	16.2	.63				
		1295	5594	3642		3535		3428		3319		3208		3094		2975		2848		2705		2251			
				22	.65	22	.68	22	.70	21	.72	21	.74	21	.75	20	.76	19.4	.76	18.9	.77	18.1	.75		

165 ACWB-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165WH2B	1/6 15 lbs.	932	4025	1450		1314		1141																	
				6.7	.16	6.5	.16	6.2	.16																
165WH3B	1/4 15 lbs.	1072	4630	1736		1626		1507		1165															
				8.7	.23	8.4	.24	8.3	.25	8.0	.24														
165WH4B	1/3 19 lbs.	1128	4872	1846		1747		1635		1355															
				9.5	.26	9.3	.28	9.1	.29	8.8	.29														
		1185	5118	1957		1866		1762		1527		1142													
165WH5B	1/2 23 lbs.	1273	5498	2125		2046		1954		1752		1466													
				12.1	.37	11.8	.39	11.5	.40	11.1	.41	11.2	.41												
		1361	5879	2291		2221		2140		1956		1742		1421											
165WH6B	3/4 31 lbs.	1463	6319	2482		2419		2349		2184		2007		1771		1448									
				15.1	.55	14.9	.57	14.7	.59	14.1	.61	13.7	.63	13.7	.63	13.8	.61								
		1566	6764	2673		2615		2553		2408		2246		2069		1819		1503							
165WH7B	1 36 lbs.	1646	7110	2820		2767		2709		2577		2426		2268		2074		1809		1467					
				18.2	.77	18.2	.79	18.0	.81	17.4	.85	16.9	.88	16.4	.90	16.2	.90	16.1	.88	16.2	.85				
		1727	7460	2969		2918		2865		2745		2604		2457		2297		2082		1817					
				19.6	.89	19.6	.91	19.5	.93	19.0	.97	18.5	1.01	18.1	1.03	17.8	1.04	17.6	1.03	17.4	1.02				

165 ACWB-XP

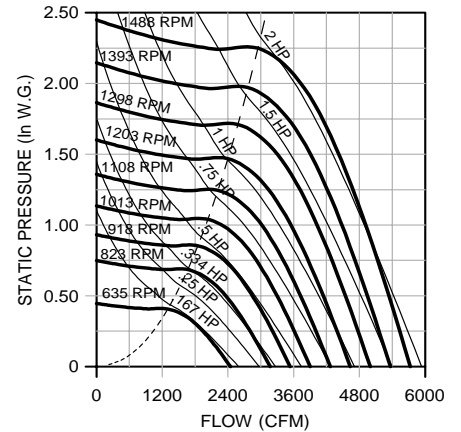
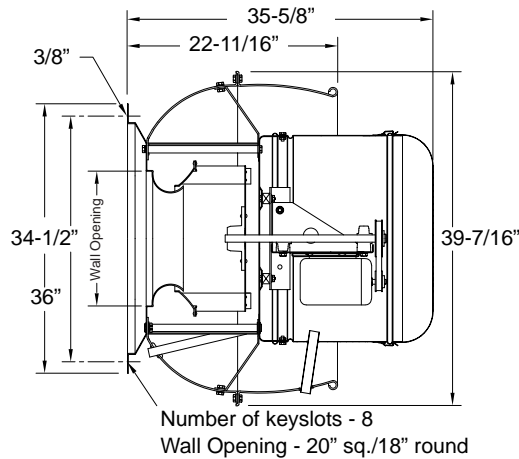
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165WX3B	1/4 15 lbs.	1355	5853	814		637																			
				9.4	.24	9.1	.25																		
165WX4B	1/3 19 lbs.	1498	6470	988		889		728																	
				11.7	.32	11.3	.33	10.9	.33																
165WX5B	1/2 23 lbs.	1609	6950	1121		1025		931		766		519													
				13.3	.38	12.9	.40	12.5	.41	12.3	.41	12.0	.37												
		1720	7429	1243		1160		1072		981		818		614											
165WX6B	3/4 31 lbs.	1850	7991	1376		1310		1229		1148		1065		926		753									
				16.9	.56	16.5	.58	16.1	.59	15.7	.61	15.5	.62	15.3	.63	15.2	.61								
		1979	8548	1503		1448		1382		1304		1229		1152		1040		681							
165WX7B	1 36 lbs.	2081	8989	1601		1551		1495		1427		1352		1281		1207		947							
				21	.76	20	.79	20	.82	19.6	.84	19.1	.85	18.7	.87	18.6	.88	18.5	.89						
		2183	9129	1698		1651		1602		1544		1476		1405		1338		1170		876					
165WX8B	1-1/2 38 lbs.	2345	10129	23	.86	22	.90	22	.93	21	.95	21	.97	21	.99	20	1.00	20	1.04	19.9	.99				
				1851		1807		1764		1717		1663		1601		1534		1408		1238		964			
		2507	10829	26	1.05	25	1.09	25	1.12	25	1.15	24	1.18	24	1.20	23	1.22	23	1.25	22	1.29	22	1.24		
				2003		1961		1921		1880		1836		1786		1729		1606		1488		1324		1068	
				29	1.26	29	1.30	28	1.34	28	1.37	27	1.41	27	1.44	27	1.46	26	1.50	25	1.54	25	1.57	25	1.53

Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

180 ACWB

Wheel Diameter - 18"
Tip Speed (FPM) - $4.7 \times \text{RPM}$
Maximum RPM - 1546
Maximum BHP - $.57 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 18"
Wall Opening (Square) - 20"

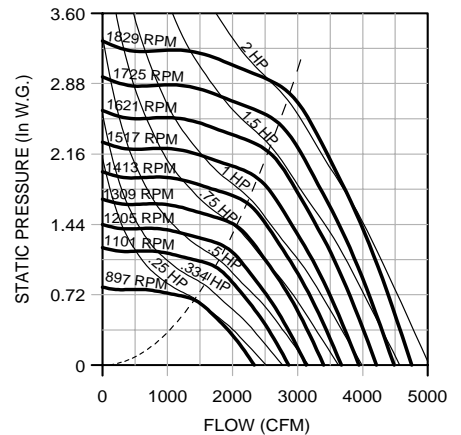
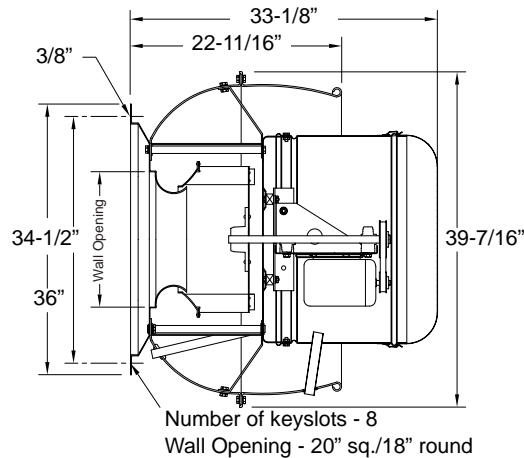
Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .100



180 ACWB-HP

Wheel Diameter - 18"
Tip Speed (FPM) - $4.7 \times \text{RPM}$
Maximum RPM - 1829
Maximum BHP - $.57 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 18"
Wall Opening (Square) - 20"

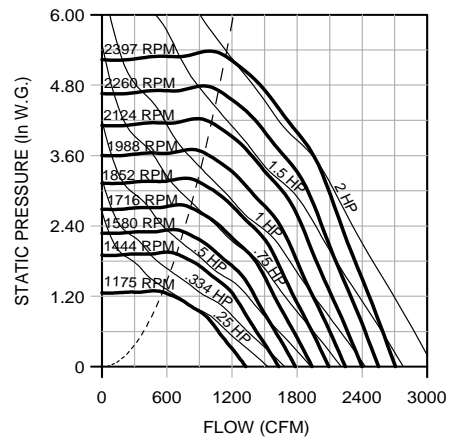
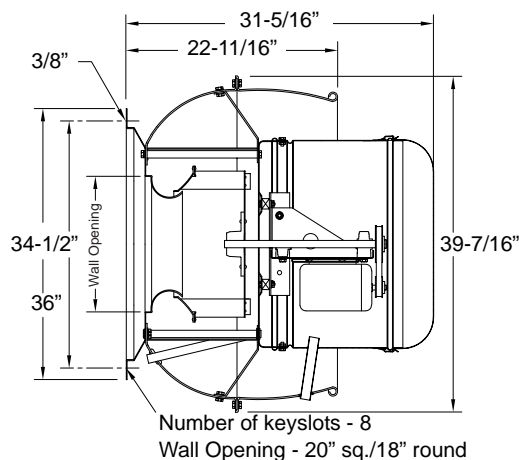
Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .100



180 ACWB-XP

Wheel Diameter - 18"
Tip Speed (FPM) - $4.7 \times \text{RPM}$
Maximum RPM - 2396
Maximum BHP - $.57 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 18"
Wall Opening (Square) - 20"

Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .100



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

180 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
180W2B	1/6 15 lbs.	635	2992	2446		2214		1945		1541															
				5.9	.14	5.6	.15	5.0	.16	4.5	.16														
180W3B	1/4 15 lbs.	730	3440	2812		2612		2395		2138		1751													
				7.6	.21	7.5	.23	6.9	.24	6.5	.25	6.0	.24												
180W4B	1/3 19 lbs.	807	3802	3109		2928		2738		2526		2272		1872											
				9.3	.29	9.3	.30	8.7	.32	8.2	.33	7.7	.33	7.3	.32										
180W5B	1/2 23 lbs.	927	4368	3571		3414		3253		3082		2893		2677		2401									
				12.2	.43	12.2	.45	11.8	.47	11.2	.49	10.7	.50	10.3	.51	9.9	.50								
180W6B	3/4 31 lbs.	1066	5023	4106		3970		3832		3690		3539		3376		3199		2997		2741					
				16.1	.66	16.1	.68	16.0	.71	15.3	.73	14.6	.74	14.2	.76	13.8	.77	13.4	.77	13.0	.76				
180W7B	1 36 lbs.	1176	5541	4530		4407		4283		4155		4023		3885		3738		3579		3405		2948			
				18.6	.89	18.6	.91	18.6	.94	18.1	.96	17.4	.98	16.7	1.00	16.3	1.01	15.9	1.02	15.5	1.03	14.8	1.02		
180W8B	1-1/2 38 lbs.	1264	5956	4869		4755		4639		4522		4402		4277		4146		4007		3860		3523		3029	
				21	1.10	21	1.13	21	1.16	20	1.18	19.7	1.20	19.0	1.23	18.4	1.24	18.0	1.26	17.6	1.27	16.9	1.28	16.3	1.25
		1351	6366	5204		5097		4989		4880		4769		4655		4536		4413		4283		3999		3658	
				23	1.35	23	1.37	23	1.40	23	1.43	22	1.46	21	1.48	21	1.50	20	1.52	20	1.54	19.3	1.56	18.6	1.56
180W9B	2 50 lbs.	1419	6686	5466		5364		5262		5158		5053		4946		4835		4721		4601		4345		4054	
				24	1.56	24	1.59	24	1.62	24	1.65	24	1.68	23	1.70	23	1.73	22	1.75	22	1.77	21	1.80	20	1.81
		1488	7012	5732		5635		5537		5439		5339		5238		5134		5027		4916		4681		4423	
				26	1.80	26	1.83	26	1.86	26	1.89	26	1.92	25	1.95	25	1.98	24	2.00	24	2.02	23	2.06	22	2.08

180 ACWB-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
180WH3B	1/4 15 lbs.	897	4227	2068		1910		1724																	
				8.8	.22	8.4	.23	7.9	.24																
180WH4B	1/3 19 lbs.	992	4674	2344		2212		2060		1704															
				10.6	.30	10.3	.31	9.9	.32	8.8	.33														
180WH5B	1/2 23 lbs.	1139	5367	2759		2652		2534		2258		1939													
				13.7	.44	13.5	.46	13.1	.47	12.2	.49	11.0	.51												
180WH6B	3/4 31 lbs.	1225	5772	2998		2900		2796		2557		2278													
				15.5	.55	15.4	.56	15.1	.58	14.3	.60	13.3	.62												
		1311	6177	3234		3144		3050		2839		2592		2323											
				17.6	.66	17.5	.68	17.2	.70	16.6	.72	15.6	.75	14.4	.77										
180WH7B	1 36 lbs.	1446	6814	3602		3521		3438		3260		3057		2827		2583									
				20	.88	20	.90	20	.92	19.5	.95	18.7	.98	17.8	1.01	16.8	1.03								
180WH8B	1-1/2 38 lbs.	1553	7318	3891		3817		3741		3580		3403		3204		2984		2756							
				22	1.08	22	1.11	22	1.13	22	1.17	21	1.19	20	1.22	19.5	1.26	18.7	1.28						
		1660	7822	4178		4109		4039		3893		3735		3561		3367		3159		2945		2674			
				25	1.32	25	1.34	25	1.37	24	1.41	24	1.44	23	1.47	22	1.51	22	1.54	21	1.57	20	1.56		
180WH9B	2 50 lbs.	1744	8218	4403		4338		4271		4134		3988		3829		3655		3464		3264		3057		2785	
				27	1.52	27	1.55	27	1.57	27	1.62	26	1.66	25	1.69	25	1.72	24	1.76	23	1.80	22	1.82	22	1.80
		1829	8618	4630		4568		4505		4376		4240		4093		3935		3761		3575		3385		3185	
				29	1.75	29	1.78	29	1.80	29	1.86	28	1.90	28	1.93	27	1.96	26	2.00	26	2.05	25	2.08	24	2.10

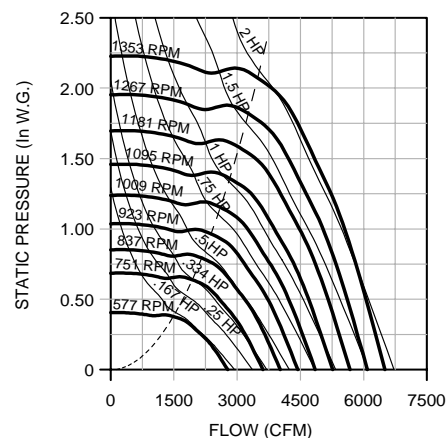
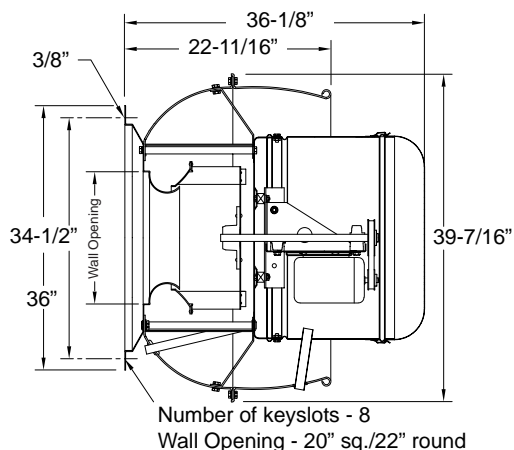
180 ACWB-XP

195 ACWB

Wheel Diameter - 19.5"
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 1353
Maximum BHP - .85 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 110 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 20"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .100

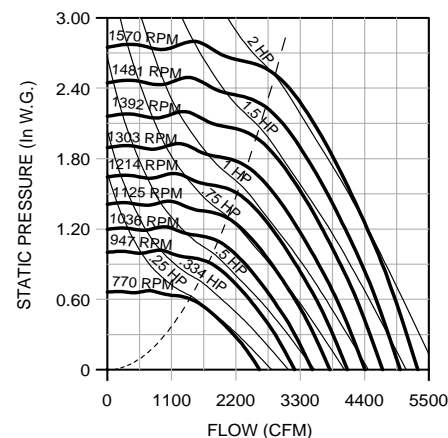
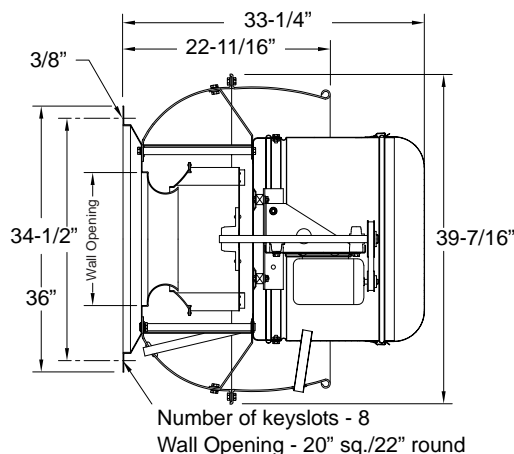


195 ACWB-HP

Wheel Diameter - 19.5"
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 1570
Maximum BHP - .85 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 110 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 20"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .100

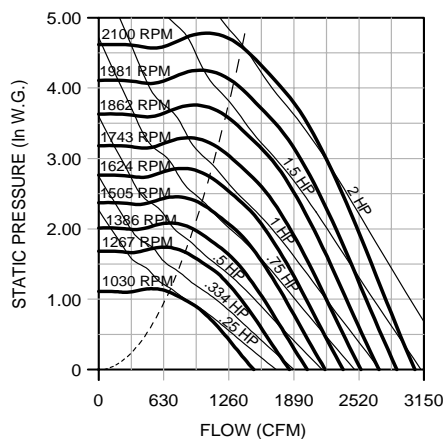
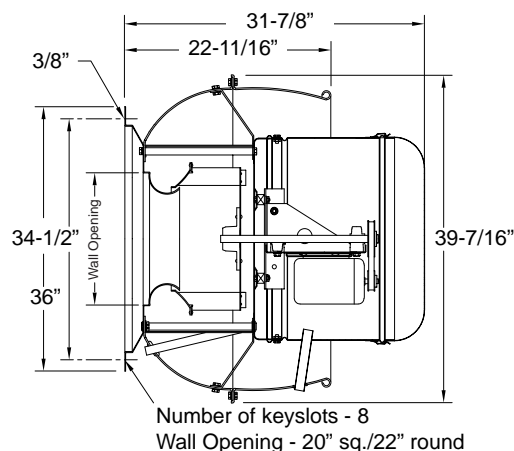


195 ACWB-XP

Wheel Diameter - 19.5"
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 2100
Maximum BHP - .85 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 110 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 20"

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .100



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

195 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
195W2B	1/6 15 lbs.	577	2945	2774		2506		2147		1510															
				6.0	.14	5.7	.15	5.0	.16	4.6	.15														
195W3B	1/4 15 lbs.	664	3389	3192		2963		2702		2329															
				7.5	.21	7.4	.23	6.8	.24	6.3	.25														
195W4B	1/3 19 lbs.	734	3747	3528		3323		3100		2816		2454													
				9.1	.29	9.1	.31	8.5	.32	8.0	.33	7.5	.33												
195W5B	1/2 23 lbs.	842	4298	4047		3869		3683		3476		3214		2899		2513									
				11.9	.44	11.9	.46	11.5	.48	10.8	.49	10.3	.50	9.9	.50	9.5	.49								
195W6B	3/4 31 lbs.	969	4946	4658		4504		4345		4178		3995		3776		3505		3231		2865					
				15.7	.67	15.7	.69	15.5	.71	14.9	.74	14.2	.75	13.8	.76	13.4	.77	12.9	.76	12.5	.74				
195W7B	1 36 lbs.	1069	5457	5139		4999		4857		4710		4554		4384		4184		3943		3695		3009			
				19.0	.89	19.0	.92	19.0	.95	18.4	.97	17.7	1.00	17.1	1.01	16.7	1.03	16.2	1.03	15.9	1.03	15.2	.98		
195W8B	1-1/2 38 lbs.	1149	5865	5523		5393		5262		5127		4986		4837		4674		4484		4259		3792			
				21	1.11	21	1.14	21	1.17	21	1.20	20	1.22	19.4	1.24	18.8	1.26	18.4	1.28	18.0	1.28	17.3	1.27		
		1228	6269	5903		5781		5659		5534		5405		5270		5127		4970		4791		4363		3912	
				23	1.35	23	1.39	23	1.42	23	1.45	22	1.48	22	1.50	21	1.53	21	1.54	20	1.56	19.5	1.56	18.7	1.54
195W9B	2 50 lbs.	1290	6585	6201		6085		5969		5851		5729		5604		5472		5332		5178		4799		4386	
				25	1.57	25	1.60	25	1.64	25	1.67	24	1.70	24	1.73	23	1.75	22	1.78	22	1.79	21	1.81	21	1.80
		1353	6907	6504		6394		6283		6170		6056		5938		5816		5687		5550		5226		4834	
				27	1.81	27	1.85	27	1.88	27	1.92	26	1.95	26	1.98	25	2.01	24	2.03	24	2.05	23	2.09	22	2.09

195 ACWB-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
195WH3B	1/4 15 lbs.	770	3930	2251		2019		1747																		
				7.6	.23	7.1	.24	6.4	.25																	
195WH4B	1/3 19 lbs.	851	4344	2571		2374		2155																		
				9.3	.31	8.8	.32	8.2	.33																	
195WH5B	1/2 23 lbs.	977	4987	3044		2893		2718		2318																
				12.3	.45	11.8	.47	11.2	.48	10.0	.50															
195WH6B	3/4 31 lbs.	1051	5365	3315		3182		3029		2680		2254														
				14.1	.56	13.7	.58	13.3	.59	12.0	.62	10.6	.63													
		1124	5738	3579		3459		3324		3012		2656		2179												
195WH7B	1 36 lbs.	1240	6330	3994		3888		3775		3513		3217		2883		2453										
				18.8	.89	18.8	.92	18.4	.95	17.6	.98	16.1	1.01	14.7	1.03	13.6	1.01									
195WH8B	1-1/2 38 lbs.	1332	6799	4319		4223		4121		3892		3629		3342		3016		2594								
				21	1.10	21	1.13	21	1.16	19.9	1.20	18.6	1.23	17.3	1.26	16.0	1.28	14.9	1.25							
		1424	7269	4643		4554		4461		4259		4023		3768		3491		3176		2773						
195WH9B	2 50 lbs.	1497	7642	4899		4814		4727		4541		4327		4091		3840		3565		3250		2832				
				25	1.54	25	1.58	25	1.61	24	1.68	23	1.72	22	1.75	21	1.75	19.7	1.81	18.8	1.81	17.9	1.76			
		1570	8015	5154		5073		4991		4818		4326		4404		4173		3926		3654		3342		2913		
				26	1.77	26	1.81	26	1.85	26	1.91	25	1.97	24	2.00	23	2.03	22	2.07	21	2.09	20	2.09	19.2	2.02	

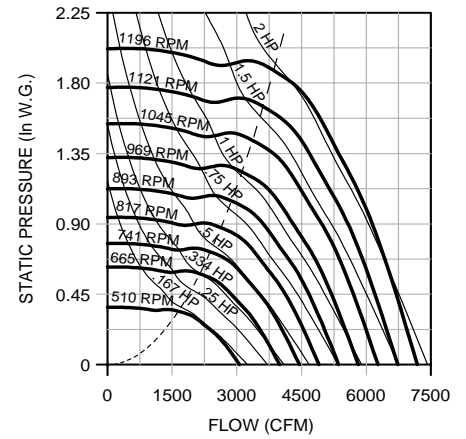
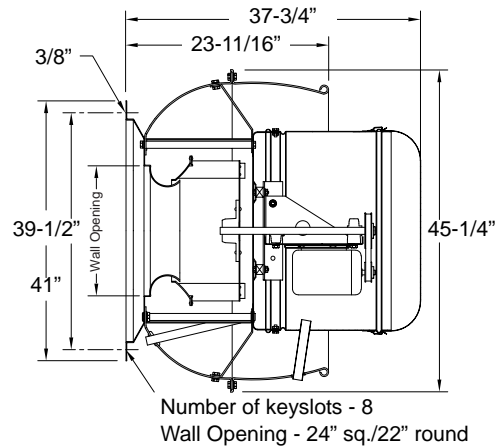
195 ACWB-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
195WX3B	1/4 15 lbs.	1030	5258	823																					
				6.5	.25																				
195WX4B	1/3 19 lbs.	1139	5814	1117		879																			
				8.2	.33	7.7	.33																		
195WX5B	1/2 23 lbs.	1308	6677	1455		1324		1153		901															
				11.2	.47	10.8	.49	10.3	.51	9.7	.48														
195WX6B	3/4 31 lbs.	1505	7683	1806		1706		1596		1474		1315		1102											
				15.1	.68	14.6	.71	14.3	.74	13.8	.76	13.2	.77	12.7	.75										
195WX7B	1 36 lbs.	1583	8081	1939		1846		1747		1639		1517		1356		1150									
				16.5	.78	15.9	.81	15.6	.84	15.4	.87	14.7	.89	14.2	.90	13.7	.87								
		1660	8474	2068		1981		1889		1791		1686		1564		1402									
				17.9	.88	17.4	.92	16.9	.95	16.7	.98	16.4	1.01	15.8	1.03	15.2	1.04								
195WX8B	1-1/2 38 lbs.	1783	9102	2270		2190		2108		2022		1931		1834		1726		1423							
				20	1.06	19.7	1.11	19.2	1.15	18.8	1.18	18.6	1.21	18.4	1.24	17.8	1.27	16.8	1.27						
		1906	9730	2469		2394		2319		2242		2162		2077		1987		1780		1471					
				23	1.27	22	1.32	22	1.37	21	1.41	21	1.44	21	1.48	20	1.51	19.5	1.56	18.5	1.55				
195WX9B	2 50 lbs.	2003	10225	2624		2553		2482		2410		2336		2259		2177		2001		1775		1456			
				25	1.45	24	1.51	23	1.56	23	1.60	23	1.64	22	1.68	22	1.71	22	1.785	21	1.82	19.8	1.77		
		2100	10720	2778		2710		2643		2575		2506		2434		2360		2201		2020		1775		1455	
				26	1.65	26	1.71	25	1.76	25	1.81	25	1.86	24	1.90	24	1.94	24	2.01	23	2.07	22	2.10	21	2.01

210 ACWB

Wheel Diameter - 21"
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 1197
Maximum BHP - 1.2 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 210 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

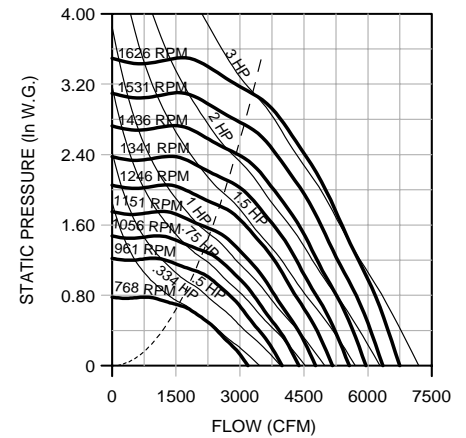
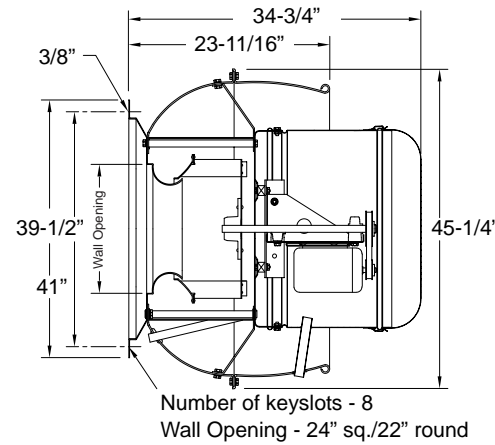
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100



210 ACWB-HP

Wheel Diameter - 21"
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 1626
Maximum BHP - 1.2 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 210 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

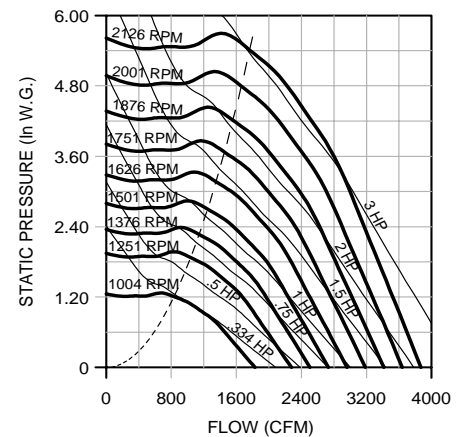
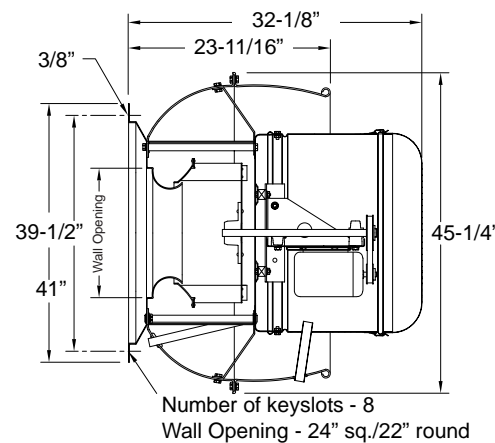
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100



210 ACWB-XP

Wheel Diameter - 21"
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 2126
Maximum BHP - 1.2 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 210 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

210 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
210W2B	1/6 15 lbs.	510	2803	3062		2734		2263																	
				5.6	.14	5.2	.16	4.6	.16																
210W3B	1/4 15 lbs.	586	3221	3518		3238		2903		2424															
				7.2	.21	7.0	.23	6.3	.24	5.9	.24														
210W4B	1/3 19 lbs.	648	3562	3891		3639		3360		2977		2503													
				8.5	.29	8.5	.31	7.7	.33	7.2	.33	6.8	.32												
210W5B	1/2 23 lbs.	744	4090	4467		4249		4019		3754		3400		3008											
				10.8	.44	10.8	.46	10.3	.48	9.8	.50	9.3	.50	8.8	.50										
210W6B	3/4 31 lbs.	857	4711	5145		4957		4763		4556		4320		4021		3686		3309							
				14.3	.67	14.3	.69	14.0	.72	13.4	.74	12.8	.76	12.4	.77	11.9	.77	11.5	.75						
210W7B	1 36 lbs.	945	5195	5674		5503		5329		5148		4952		4731		4458		4153		3844					
				17.2	.89	17.2	.92	17.2	.95	16.6	.98	16.0	1.00	15.4	1.02	15.0	1.03	14.6	1.03	14.2	1.02				
210W8B	1-1/2 38 lbs.	1015	5580	6094		5935		5775		5608		5434		5244		5028		4766		4482		3839			
				19.8	1.11	19.8	1.14	19.8	1.17	19.3	1.20	18.7	1.23	18.1	1.25	17.6	1.27	17.2	1.28	16.8	1.28	16.1	1.24		
		1085	5965	6514		6366		6216		6063		5903		5735		5551		5342		5095		4566		3772	
				23	1.35	23	1.39	23	1.42	22	1.43	22	1.49	21	1.51	20	1.53	19.7	1.55	19.3	1.56	18.6	1.55	17.9	1.48
210W9B	2 50 lbs.	1141	6272	6851		6710		6567		6422		6273		6117		5951		5769		5561		5065		4543	
				24	1.57	24	1.61	24	1.65	24	1.68	23	1.72	23	1.75	22	1.77	21	1.79	21	1.81	20	1.82	19.6	1.79
		1196	6575	7181		7046		6911		6773		6632		6486		6333		6169		5989		5549		5069	
				26	1.81	26	1.85	26	1.89	26	1.93	25	1.96	24	1.99	24	2.02	23	2.05	23	2.07	22	2.09	21	2.08

210 ACWB-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
210WH4B	1/3 19 lbs.	768	4222	2769		2511		2235																	
				8.4	.31	8.3	.32	7.9	.33																
210WH5B	1/2 23 lbs.	882	4849	3323		3093		2875		2341															
				10.7	.45	10.6	.47	10.6	.49	9.5	.50														
210WH6B	3/4 31 lbs.	1015	5580	3932		3759		3554		3176		2679		1793											
				13.7	.67	13.6	.70	13.6	.72	13.2	.75	12.2	.77	11.2	.69										
210WH7B	1 36 lbs.	1067	5866	4164		4008		3819		3452		3037		2485											
				14.9	.77	14.8	.81	14.8	.83	14.6	.87	13.8	.89	12.7	.87										
		1120	6157	4398		4257		4085		3724		3371		2891		2091									
				16.2	.89	16.1	.92	16.1	.95	16.0	.99	15.3	1.02	14.2	1.03	13.3	.95								
210WH8B	1-1/2 38 lbs.	1286	7070	5122		5007		4881		4572		4264		3965		3579		3133		2301					
				19.8	1.31	19.7	1.36	19.7	1.40	19.6	1.46	19.5	1.50	18.9	1.54	18.1	1.57	17.2	1.55	16.4	1.41				
210WH9B	2 50 lbs.	1352	7433	5406		5300		5184		4905		4600		4323		4009		3609		3164		2260			
				21	1.52	21	1.56	21	1.61	21	1.68	21	1.73	21	1.77	20	1.80	19.3	1.82	18.4	1.78	17.7	1.59		
		1417	7790	5685		5585		5478		5227		4932		4660		4390		4054		3659		3195		2263	
				23	1.74	23	1.79	23	1.83	23	1.92	23	1.98	23	2.02	22	2.06	21	2.09	20	2.09	19.7	2.03	19.0	1.80
210WH10B	3 74 lbs.	1521	8362	6131		6038		5942		5725		5462		5191		4944		4688		4374		4008		3618	
				26	2.13	26	2.19	26	2.24	26	2.33	26	2.41	25	2.46	25	2.51	25	2.55	24	2.58	23	2.59	22	2.54
		1626	8939	6578		6493		6404		6213		5986		5728		5481		5253		5011		4722		4384	
				29	2.59	29	2.65	29	2.70	29	2.81	28	2.90	28	2.97	28	3.02	28	3.07	27	3.11	27	3.15	26	3.16

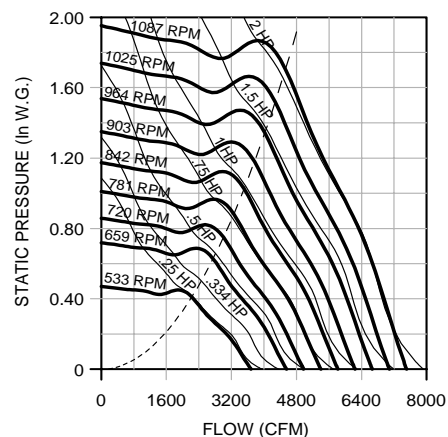
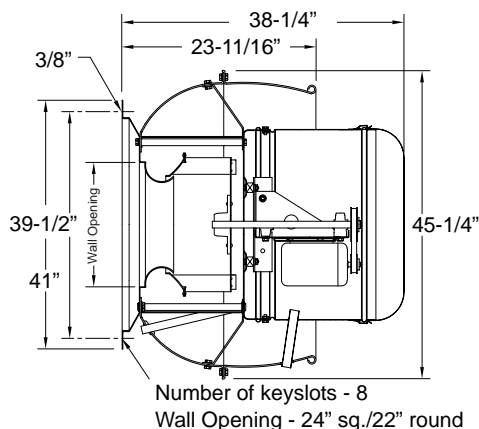
210 ACWB-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
210WX4B	1/3 19 lbs.	1004	5519	1127																					
				9.0	.33																				
210WX5B	1/2 23 lbs.	1153	6338	1558		1357		1102																	
				11.3	.48	11.2	.50	12.7	.50																
210WX6B	3/4 31 lbs.	1327	7295	1950		1832		1684		1487		1253													
				14.6	.69	14.5	.73	14.4	.76	14.6	.77	18.1	.76												
210WX7B	1 36 lbs.	1464	8048	2243		2138		2030		1905		1734		1552		1301									
				17.4	.90	17.3	.93	17.2	.97	17.1	1.01	17.0	1.03	18.2	1.03	27	1.01								
210WX8B	1-1/2 38 lbs.	1572	8642	2469		2370		2273		2172		2055		1900		1732									
				19.3	1.08	19.2	1.13	19.1	1.17	19.0	1.21	18.8	1.24	18.7	1.27	19.6	1.28								
		1681	9241	2694		2600		2508		2417		2323		2215		2078		1759							
				22	1.30	21	1.34	21	1.39	21	1.43	21	1.47	21	1.51	21	1.55	23	1.56						
210WX9B	2 50 lbs.	1767	9714	2869		2780		2691		2605		2518		2426		2322		2041		1710					
				23	1.48	23	1.53	23	1.58	23	1.63	22	1.67	22	1.72	22	1.76	22	1.82	29	1.80				
		1852	10181	3040		2956		2871		2787		2704		2621		2532		2309		2023		1646			
				25	1.68	25	1.74	24	1.79	24	1.84	24	1.89	24	1.94	24	1.98	24	2.07	25	2.10	40	2.04		
210WX10B	3 74 lbs.	1989	10935	3313		3235		3156		3077		2999		2922		2845		2679		2459		2192		1872	
				28	2.04	28	2.11	27	2.17	27	2.23	27	2.28	27	2.33	26	2.38	26	2.48	26	2.57	28	2.60	39	2.55
		2126	11688	3583		3510		3437		3363		3289		3215		3143		2998		2837		2627		2378	
				32	2.46	31	2.53	30	2.60	30	2.66	30	2.72	30	2.78	29	2.83	29	2.94	29	3.04	29	3.13	31	3.17

225 ACWB

Wheel Diameter - 22.5"
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1086
Maximum BHP - $1.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 215 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

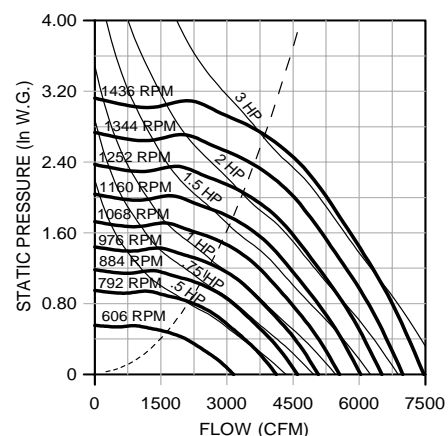
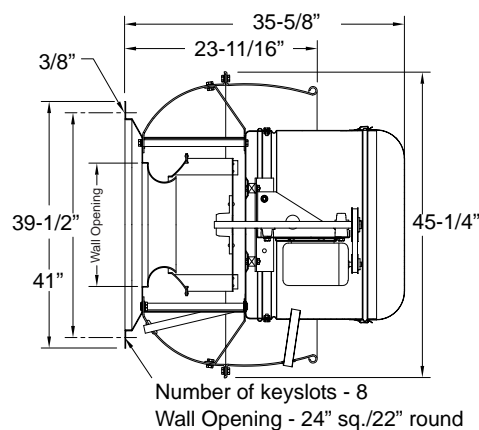
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100



225 ACWB-HP

Wheel Diameter - 22.5"
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1435
Maximum BHP - $1.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 215 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

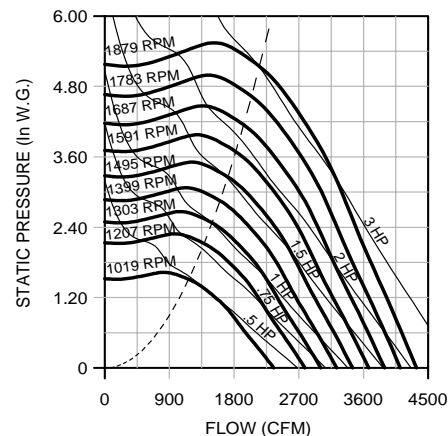
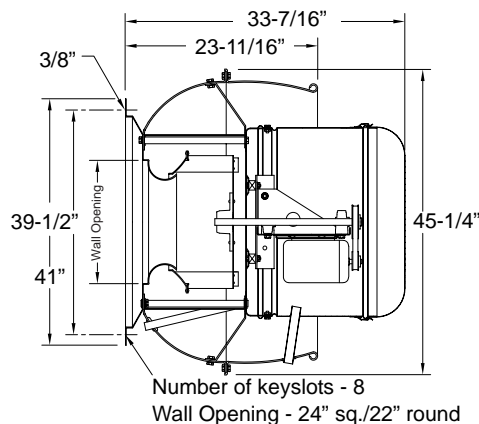
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100



225 ACWB-XP

Wheel Diameter - 22.5"
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1879
Maximum BHP - $1.6 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 215 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

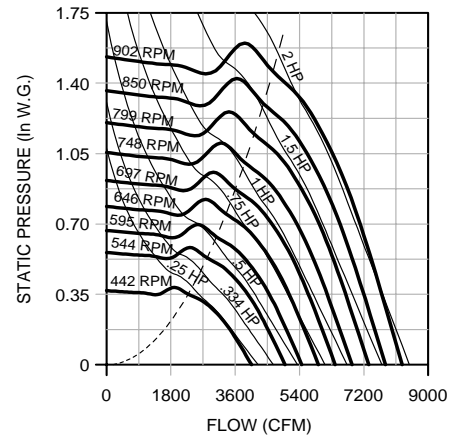
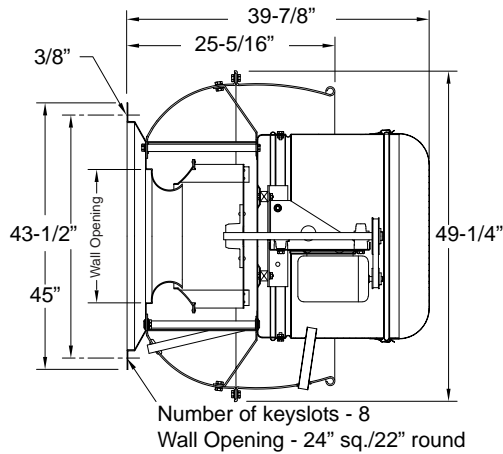
245 ACWB Data

245 ACWB

Wheel Diameter - 24.5"
Tip Speed (FPM) - $6.4 \times \text{RPM}$
Maximum RPM - 901
Maximum BHP - $2.8 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 250 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100

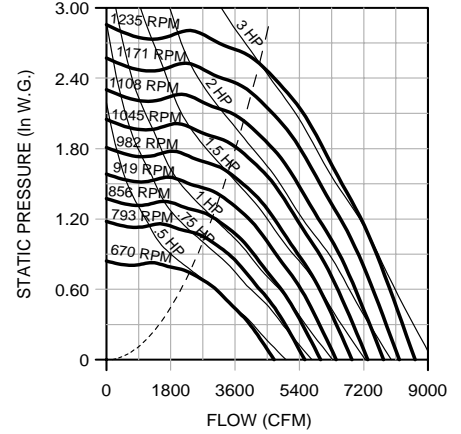
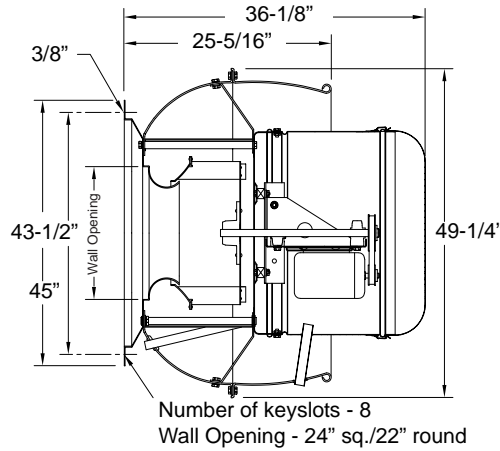


245 ACWB-HP

Wheel Diameter - 24.5"
Tip Speed (FPM) - $6.4 \times \text{RPM}$
Maximum RPM - 1234
Maximum BHP - $2.8 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 250 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100

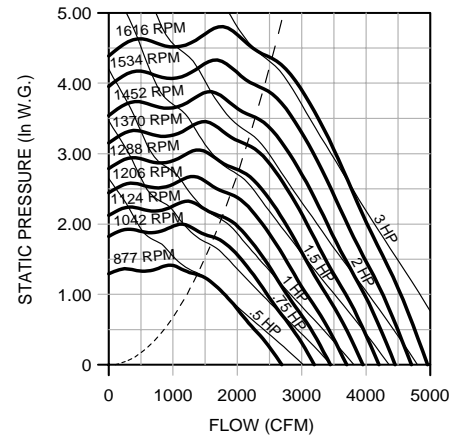
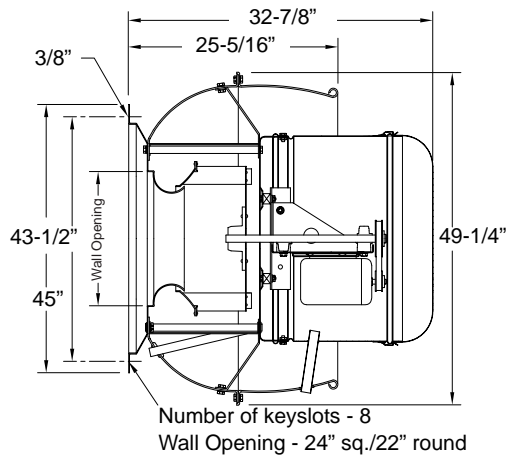


245 ACWB-XP

Wheel Diameter - 24.5"
Tip Speed (FPM) - $6.4 \times \text{RPM}$
Maximum RPM - 1616
Maximum BHP - $2.8 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 250 lbs.
Number of Keyslots - 8 for 3/8" bolt
Wall Opening (Round) - 22"
Wall Opening (Square) - 24"

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .100



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) 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.

245 ACWB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245W3B	1/4 15 lbs.	442	2835	4058		3639		3116																	
				7.2	.22	6.8	.24	6.3	.24																
245W4B	1/3 19 lbs.	489	3136	4490		4114		3691		3060															
				9.0	.30	8.6	.32	8.2	.33	7.3	.33														
245W5B	1/2 23 lbs.	561	3598	5151		4825		4481		4067		3471													
				11.9	.45	11.6	.48	11.3	.50	11.0	.50	9.7	.49												
245W6B	3/4 31 lbs.	646	4143	5931		5649		5359		5047		4674		4185											
				14.8	.69	14.5	.72	14.2	.75	13.9	.77	13.6	.76	12.7	.76										
245W7B	1 36 lbs.	679	4355	6234		5966		5692		5402		5074		4662		4104									
				16.1	.80	15.7	.83	15.4	.86	15.1	.88	14.7	.89	14.4	.88	13.0	.87								
		712	4566	6537		6282		6022		5750		5453		5098		4650		3955							
				17.2	.92	16.9	.95	16.6	.99	16.3	1.01	15.9	1.03	15.5	1.02	14.7	1.01	13.5	.95						
245W8B	1-1/2 38 lbs.	765	4906	7023		6786		6546		6297		6035		5741		5391		4962		4325					
				19.7	1.14	19.4	1.18	19.0	1.21	18.7	1.25	18.3	1.27	17.8	1.27	17.3	1.27	16.4	1.25	15.4	1.19				
		818	5246	7510		7288		7064		6835		6596		6341		6052		5713		5307					
				22	1.39	22	1.43	22	1.47	21	1.51	21	1.54	21	1.56	20	1.56	19.7	1.54	18.7	1.53				
245W9B	2 50 lbs.	860	5516	7896		7685		7472		7255		7032		6797		6542		6251		5912		4947			
				24	1.62	24	1.66	24	1.70	24	1.74	23	1.78	23	1.80	22	1.81	22	1.81	22	1.79	19.3	1.71		
		902	5785	8281		8080		7878		7672		7461		7243		7011		6756		6465		5738			
				27	1.86	27	1.91	26	1.96	26	2.00	26	2.04	25	2.07	25	2.08	24	2.09	24	2.08	22	2.05		

245 ACWB-HP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245WH5B	1/2 23 lbs.	670	4297	4143		3805		3393																	
				10.6	.47	10.0	.49	9.4	.50																
245WH6B	3/4 31 lbs.	771	4945	4929		4675		4369		3661															
				14.2	.71	13.8	.73	13.3	.74	12.0	.77														
245WH7B	1 36 lbs.	811	5201	5233		4998		4730		4061		3255													
				15.3	.81	15.0	.84	14.6	.86	13.4	.89	12.1	.88												
		850	5451	5528		5307		5065		4442		3783													
				16.5	.93	16.2	.96	15.8	.98	14.7	1.02	13.5	1.03												
245WH8B	1-1/2 38 lbs.	913	5856	5999		5796		5583		5056		4458		3732											
				18.4	1.14	18.2	1.18	17.8	1.20	16.9	1.25	15.8	1.28	14.7	1.26										
		976	6260	6466		6279		6084		5640		5075		4522		3721									
				20	1.38	20	1.42	19.9	1.45	19.1	1.50	18.1	1.55	17.1	1.56	16.1	1.52								
245WH9B	2 50 lbs.	1026	6580	6835		6657		6475		6076		5564		5036		4446									
				22	1.59	22	1.64	22	1.68	21	1.72	19.9	1.75	18.9	1.81	18.1	1.80								
		1076	6901	7201		7033		6860		6494		6044		5526		4353									
				24	1.82	24	1.87	24	1.92	23	1.98	22	2.03	21	2.08	20	2.09	19.2	2.05						
245WH10B	3 74 lbs.	1156	7414	7785		7628		7470		7140		6769		6307		5832		5364		4738					
				27	2.23	27	2.30	27	2.35	27	2.43	26	2.48	25	2.54	24	2.59	23	2.59	22	2.55				
		1235	7921	8358		8212		8065		7762		7437		7055		6603		6166		5725		5153			
				31	2.70	31	2.77	31	2.84	30	2.93	30	2.99	29	3.05	28	3.12	27	3.16	26	3.16	25	3.12		

245 ACWB-XP

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP		3.500" SP		4.000" SP		4.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245WX5B	1/2 23 lbs.	877	5625	1801		1469																			
				10.8	.50	10.5	.50																		
245WX6B	3/4 31 lbs.	1009	6471	2337		2137		1898																	
				14.5	.73	14.4	.76	14.1	.77																
245WX7B	1 36 lbs.	1113	7138	2730		2555		2374		2164		1887													
				17.6	.94	17.6	.98	17.6	1.02	17.3	1.03	17.1	1.01												
245WX8B	1-1/2 38 lbs.	1195	7664	3038		2866		2705		2534		2338		2099											
				20	1.14	19.7	1.18	20	1.23	19.9	1.26	19.7	1.28	19.5	1.26										
		1278	8197	3348		3178		3023		2872		2711		2530		2320									
				22	1.37	22	1.41	22	1.46	22	1.51	22	1.55	21	1.56	21	1.56								
245WX9B	2 50 lbs.	1343	8614	3586		3422		3267		3123		2978		2822		2647									
				24	1.56	23	1.61	23	1.66	23	1.71	23	1.76	23	1.80	23	1.82								
		1408	9031	3820		3665		3511		3369		3233		3093		2941		2585							
				25	1.78	25	1.83	25	1.88	24	1.94	24	1.99	24	2.04	24	2.08	24	2.08						
245WX10B	3 74 lbs.	1477	9473	4063		3920		3771		3628		3495		3365		3231		2928		2530					
				27	2.03	27	2.09	27	2.14	26	2.20	26	2.25	26	2.31	26	2.36	26	2.42	25	2.38				
		1546	9916	4302		4170		4029		3888		3755		3629		3505		3237		2923					
				29	2.30	29	2.37	29	2.43	28	2.48	28	2.54	28	2.60	28	2.66	27	2.75	27	2.77				
		1616	10365	4540		4419		4287		4150		4018		3894		3774		3531		3258		2931			
				31	2.59	31	2.67	31	2.74	31	2.80	30	2.85	30	2.92	30	2.98	30	3.09	29	3.16	29	3.15		

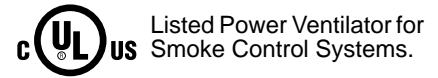
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m)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

ACSC Power Ventilator for Smoke Control

The UL Listing “Power Ventilator for Smoke Control Systems” is a test procedure and category which was initiated by Loren Cook Company and developed in a joint effort with UL in 1990. Several different sources were used in the definition of the test procedure. These sources include UL Standards 705, 762, 793, Southern Building Code Congress International (SBCCI) Standard Fire Prevention Code/1988, and Industrial Risk Insurers (IRI) Document E2.

Requirements for UL Listing “Power Ventilator for Smoke Control Systems”

- The unit must withstand 500°F airstream temperature for a minimum of four hours (IRI) and withstand 1000°F for a minimum of 15 minutes (SBSCCI).
- The unit must be listed under UL 705.

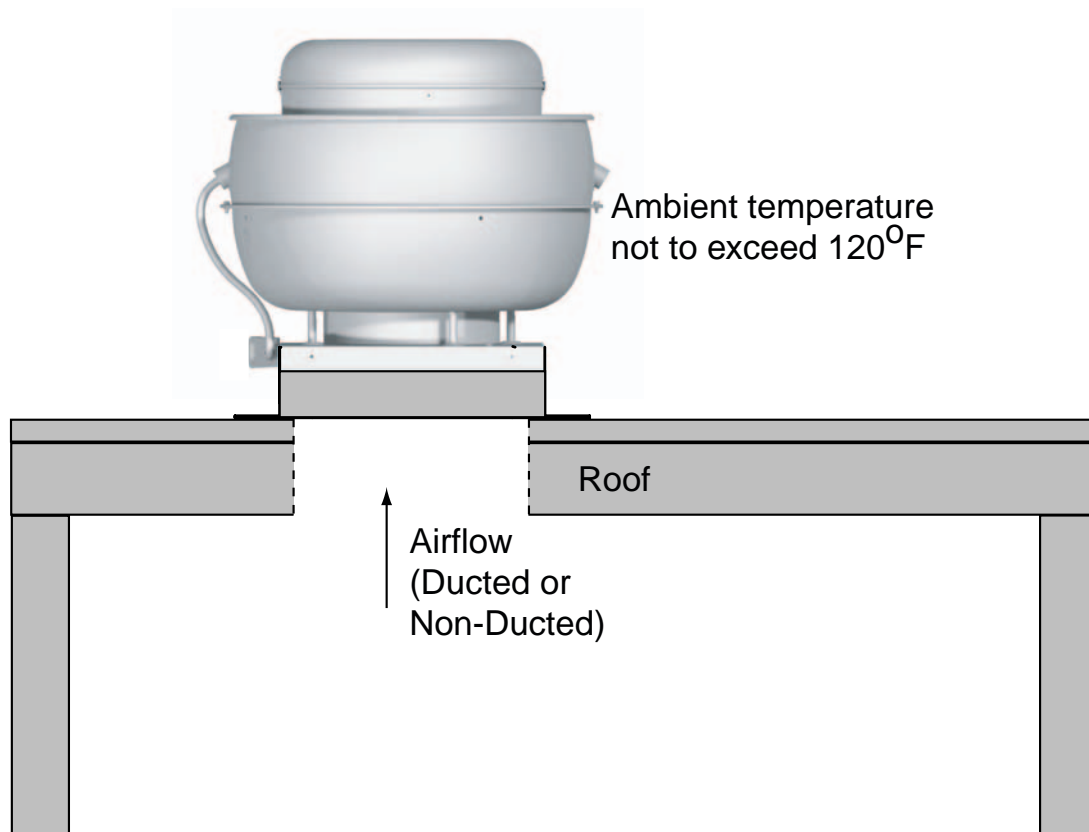


ACSC/ACSC-HP/ACSC-XP Smoke Control Ventilator



- Upblast Centrifugal Roof Mounted Exhaust Ventilator listed by UL as “Power Ventilator for Smoke Control Systems” at 500° F for 4 hours, and at 1,000° F for 15 minutes.
- ACSC available in 14 belt drive sizes. Capacities range from 200 to 19,400 CFM, with static pressures from 0 to 1-1/2 inches.
- ACSC-HP available in 11 belt drive high pressure sizes. Capacities range from 700 to 19,200 CFM, with static pressures from 1/4 to 2-1/2 inches.
- ACSC-XP available in 10 belt drive extended pressure sizes. Capacities range from 800 to 11,000 CFM, with static pressures from 1 to 4-1/2 inches.

UL Power Ventilator for Smoke Control Typical Application





LOREN COOK COMPANY

2015 E. DALE STREET
SPRINGFIELD, MO 65803-4637

417.869.6474

FAX 417.862.3820

lorencook.com