

H-SERIES BELT DRIVE

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Hooded Axial Exhaust, Supply and Filtered Supply Roof Ventilators



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H Series

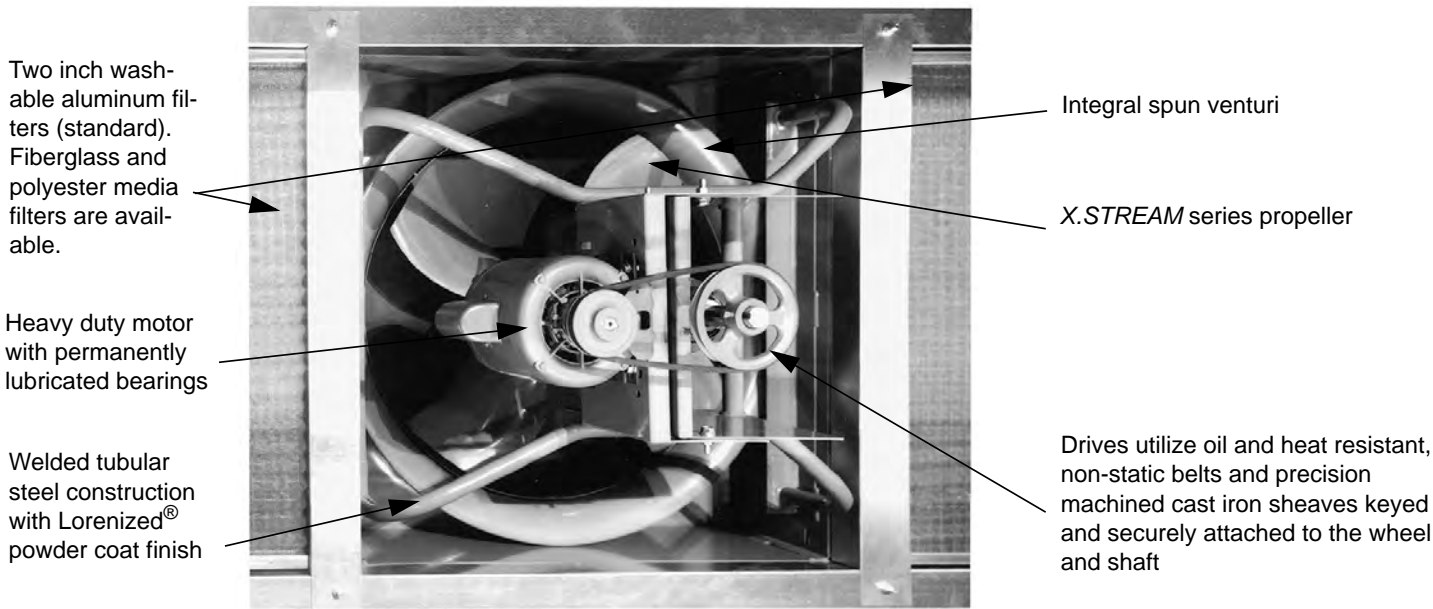
Loren Cook H Series Propeller Roof Ventilators are designed for industrial or commercial applications requiring a low profile roof top design. The H Series is available in exhaust, supply or filtered supply configurations and utilizes either the *X.STREAM* high efficiency fabricated steel propeller for low and medium pressure applications or an extruded aluminum airfoil propeller for higher pressure applications. The H Series consists of HXE - Hooded *X.STREAM* Exhaust; HXS - Hooded *X.STREAM* Supply; HXF - Hooded *X.STREAM* Filtered; HEE - Hooded Extruded Aluminum Airfoil Exhaust; HES - Hooded Extruded Aluminum Airfoil Supply; HEF - Hooded Extruded Aluminum Airfoil Filtered and HER - Hooded Extruded Aluminum Airfoil Reversible. Models HXE, HXS and HXF are available in sizes 20 inches through 60 inches, with both low and medium pressure props. Models HEE, HES, HEF and HER are available in sizes 24 inches through 60 inches.



H Series

- Fan power assembly is of welded tubular steel construction with a Lorenized® powder coat finish. The minimum 14 gauge steel base features an integral spun venturi and continuously welded curb cap corners.
- Galvanized steel hood features a large removable top cap allowing unobstructed access to the motor, and power assembly without removing the entire hood.
- Exhaust and supply ventilators in sizes 20-36; reversible ventilators in sizes 24-36 and filtered supply ventilators in sizes 20-30 are shipped assembled. Exhaust, supply and reversible ventilators in sizes 36-42 and filtered supply ventilators in sizes 36-60 are shipped with the hood in two sections for easy field assembly.
- Filtered H Series ventilators have two inch washable aluminum filters standard. Fiberglass and Polyester replaceable media filters are available as an option. Aluminum filters meet AGA requirements and are of high efficiency per AF1 test procedures.
- Motors are heavy duty type with permanently lubricated bearings.
- Bearings are designed and tested specifically for use in air handling applications. Bearings are heavy duty regreasable ball type in a pillowblock cast iron housing selected for a minimum L-50 life in excess of 200,000 hours at maximum catalog speed.
- Drives utilize oil and heat resistant, non-static belts and precision machined cast iron sheaves which are keyed and securely attached to the wheel and motor shafts. Drives are sized for 150 percent of motor horsepower.
- The HES, HEE, HEF, HXSL, HXSM, HXFL, and HXFM models are licensed to bear the AMCA Seal for Air Performance. The HXEL and HXEM models are licensed to bear the AMCA Seal for Sound and Air Performance.
- Direct Drive units also available. See H Series Direct Drive Catalog.

Construction Features (HXF shown)



X.STREAM Series Propeller



Cook X.STREAM series high efficiency propeller, designed using the latest in computer technology, provides an optimum design for air flow, efficiency, quality and durability in a wide range of performance levels. High pressure capabilities and low noise levels are characteristic of the X.STREAM propeller. It is available in both low pressure and medium pressure models for either exhaust or supply in sizes 20 inches through 60 inches.

E Series Extruded Aluminum Airfoil Propeller



Cook E Series extruded aluminum airfoil propeller is designed for use where higher static pressures are required. It is constructed with six aluminum blades mounted in a cast aluminum hub. Pitch settings of the blades are set at the factory and are locked into place by means of a taper lock pin. It is available in diameter sizes from 24 inches to 60 inches with static pressures from 0 inches to 1 inch.

H Series Filter Media Data

Aluminum Media (Standard) - Aluminum washable filter media installed in a two inch frame

Initial Atmospheric Dust Spot Efficiency - < 20 percent Average Atmospheric Dust Spot Efficiency - < 20 percent

Average Synthetic Dust Weight Arrestance - 54 percent

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

Initial Atmospheric Dust Spot Efficiency - < 20 percent Average Atmospheric Dust Spot Efficiency - < 20 percent

Average Synthetic Dust Weight Arrestance - 84 percent

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

Initial Atmospheric Dust Spot Efficiency - < 20 percent Average Atmospheric Dust Spot Efficiency - < 20 percent

Average Synthetic Dust Weight Arrestance - 93 percent

Fan Intake Area

Fan Model (HEF/HXF)	Intake Area (SF)
20	16.3
24	23.5
30	31.6
36	39.6
42	47.8
48	59.3
54	70.3
60	81.0

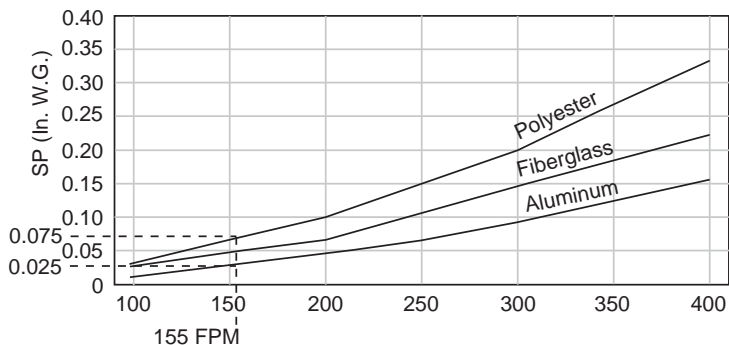
Filter Media Pressure Drop

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

Example:

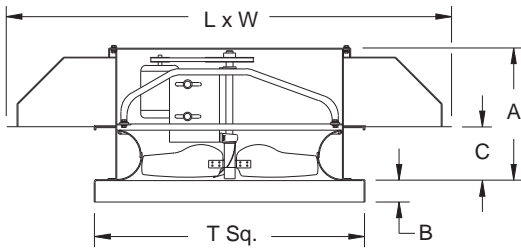
A size 24 HXF selected for 3640 CFM at 0.125 inch system static pressure utilizing polyester media for superior dust arrestance.

1. CFM/Intake area (SF) = Intake velocity (FPM) 3640 CFM/23.5 SF = 155 FPM.
2. Go into the pressure drop graph and determine the standard static pressure drop with aluminum media as well as the pressure drop for the optional media at intake velocity.
3. Subtract one from the other and add that number to the system static pressure. (In this case, 0.075" - 0.025" = 0.05" SP).
4. Make the selection at the new static pressure point. (In this case, 0.125" + 0.05" = 0.13").



HXEL, HXEM Specifications and Dimension Data

Low and Medium Pressure Hooded Exhaust Ventilator Steel Propeller Roof Mounted, Belt Drive



Loren Cook Company certifies that the HXEL and HXEM 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 HXEL and type HXEM are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Type HXEL and type HXEM are furnished standard with ^cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a low profile, hooded, roof mounted, belt driven, propeller 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 motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be rigidly secured to the fan housing. The welded steel fan housing shall include a minimum 14 gauge base with integral spun venturi and continuously welded curb cap corners. Fan shall be enclosed with a minimum 18 gauge galvanized steel hood bolted to the fan housing. The hood shall have a removable top cap to allow unobstructed access to the motor and power assembly. Fan outlet shall be protected from entry of foreign material by a 1/2 inch x 1/2 inch galvanized steel screen. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All non-galvanized steel fan components shall be Lorenized[®] with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be a high-efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge steel hub. The hub shall be keyed and locked to the fan shaft with two set screws. Propeller shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty 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 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 HXEL or HXEM as manufactured by Loren Cook Company of Springfield, Missouri.

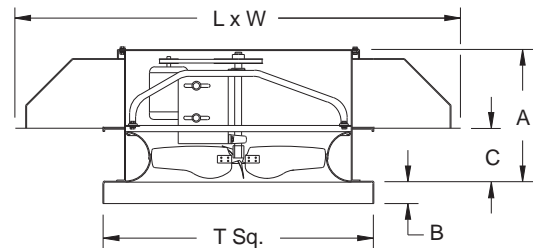
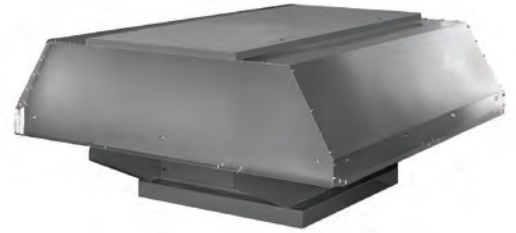
HXEL, HXEM Dimension Data

Size	A	B	C	L x W	T Sq.	Material Gauge		Max. Motor Frame	Roof Opening Square*	Approx. Ship Wt.-Lbs. less mtr.
						Base	Hood			
20	27-1/4	2	10	52 x 52	32	14	18	145T	27-1/2	400
24	28-3/4	3	10	59 X 59	36	14	18	182T	31-1/2	480
30	30-1/2	3	10	69 X 69	42	14	18	184T	37-1/2	560
36	33	3	10	80 X 80	48	14	18	215T	43-1/2	780
42	38	3	10	90 X 90	54	14	18	215T	49-1/2	1020
48	41-1/2	3	13-1/2	110 X 90	60	14	18	254T	55-1/2	1110
54	44-1/2	3	14-3/4	111 X 109	66	14	18	256T	61-1/2	1235
60	44-1/2	3	14-3/4	121 X 119	72	14	18	256T	67-1/2	1550

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

Specification and Dimension Data **HXSL, HXSM**

Low and Medium Pressure Hooded Supply Ventilator Steel Propeller Roof Mounted, Belt Drive



Loren Cook Company certifies that the HXSL and HXSM 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 comply with the requirements of the AMCA Certified Ratings Program.



Type HXSL and type HXSM are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Type HXSL and type HXSM are furnished standard with cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a low profile, hooded, roof mounted, belt driven, propeller supply 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 air performance..

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be rigidly secured to the fan housing. The welded steel fan housing shall include a minimum 14 gauge base with integral spun venturi and continuously welded curb corners. Fan shall be enclosed with a minimum 18 gauge galvanized steel hood bolted to the fan housing. The hood shall have a removable top cap to allow unobstructed access to the motor and power assembly. Fan inlet shall be protected from entry of foreign material by a 1/2 inch x 1/2 inch galvanized steel screen. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All non-galvanized steel fan components shall be Lorenized[®] with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be a high-efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge steel hub. The hub shall be keyed and locked to the fan shaft with two set screws. Propeller shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty 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 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 HXSL or HXSM as manufactured by Loren Cook Company of Springfield, Missouri.

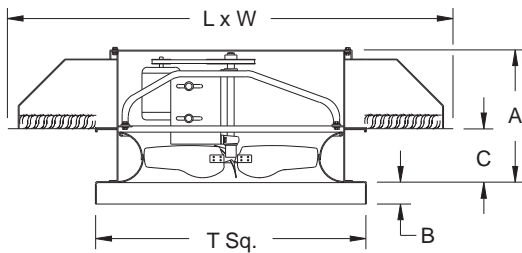
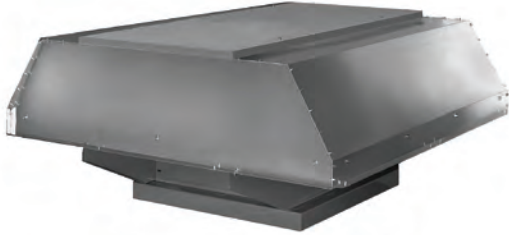
HXSL, HXSM Dimension Data

Size	A	B	C	L x W	T Sq.	Material Gauge		Max. Motor Frame	Roof Opening Square*	Approx. Ship Wt.-Lbs. less mtr.
						Base	Hood			
20	27-1/4	2	10	52 X 52	32	14	18	145T	27-1/2	400
24	28-3/4	3	10	59 X 59	36	14	18	182T	31-1/2	480
30	30-1/2	3	10	69 X 69	42	14	18	184T	37-1/2	560
36	33	3	10	80 X 80	48	14	18	215T	43-1/2	780
42	38	3	10	90 X 90	54	14	18	215T	49-1/2	1020
48	41-1/2	3	13-1/2	110 X 90	60	14	18	254T	55-1/2	1110
54	44-1/2	3	14-3/4	111 X 109	66	14	18	256T	61-1/2	1235
60	44-1/2	3	14-3/4	121 X 119	72	14	18	256T	67-1/2	1550

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

HXFL, HXFM Specifications and Dimension Data

Low and Medium Pressure Hooded Filtered Supply Ventilator Steel Propeller Roof Mounted, Belt Drive



Loren Cook Company certifies that the HXFL and HXFM 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 comply with the requirements of the AMCA Certified Ratings Program.



Type HXFL and type HXFM are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Type HXFL and HXFM are furnished standard with cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a low profile, hooded, roof mounted, belt driven, filtered propeller supply 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 air performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be rigidly secured to the fan housing. The welded steel fan housing shall include a minimum 14 gauge base with integral spun venturi and continuously welded curb cap corners. Fan shall be enclosed with a minimum 18 gauge galvanized steel hood bolted to the fan housing. The hood shall have a removable top cap to allow unobstructed access to the motor and power assembly. Filters shall be washable expanded aluminum media with two inch formed aluminum frame. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All non-galvanized steel fan components shall be Lorenized[®] with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be a high-efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge steel hub. The hub shall be keyed and locked to the fan shaft with two set screws. Propeller shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty 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 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.

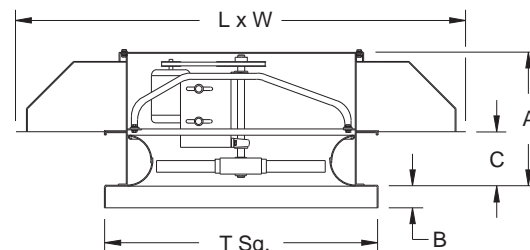
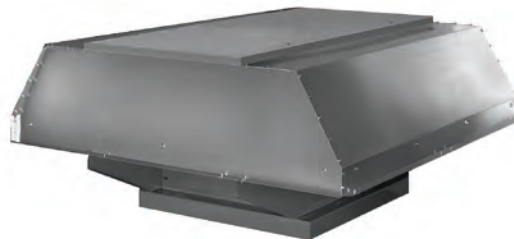
Product - Fan shall be model HXFL or HXFM as manufactured by Loren Cook Company of Springfield, Missouri.

HXFL, HXFM Dimension Data

Size	A	B	C	L x W	T Sq.	Material Gauge		Max. Motor Frame	Roof Opening Square*	Approx. Ship Wt.-Lbs. less mtr.
						Base	Hood			
20	28-3/4	2	10	59 X 59	32	14	18	145T	27-1/2	450
24	30-1/2	3	10	69 X 69	36	14	18	182T	31-1/2	525
30	33	3	10	80 X 80	42	14	18	184T	37-1/2	610
36	38	3	10	90 X 90	48	14	18	215T	43-1/2	840
42	41-1/2	3	13-1/2	110 X 90	54	14	18	215T	49-1/2	1100
48	44-1/2	3	14-3/4	111 X 109	60	14	18	254T	55-1/2	1200
54	44-1/2	3	14-3/4	121 X 119	66	14	18	256T	61-1/2	1345
60	44-1/2	3	14-3/4	146 x 119	72	14	18	256T	67-1/2	1700

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

Hooded Exhaust Ventilator Extruded Aluminum Airfoil Propeller Roof Mounted, Belt Drive



Loren Cook Company certifies that the HEE 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 comply with the requirements of the AMCA Certified Ratings Program.



Type HEE are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Type HEE are furnished standard with cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a hooded, low profile, roof mounted, belt driven, propeller 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 air performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be rigidly secured to the fan housing. The welded steel fan housing shall include a minimum 14 gauge base with integral spun venturi and continuously welded curb cap corners. Fan shall be enclosed with a minimum 18 gauge galvanized steel hood bolted to the fan housing. The hood shall have a removable top cap to allow unobstructed access to the motor and power assembly. Fan outlet shall be protected from entry of foreign material by a 1/2 inch x 1/2 inch galvanized steel screen. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

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

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty 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 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 HEE as manufactured by Loren Cook Company of Springfield, Missouri.

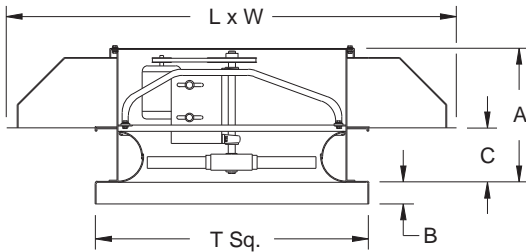
HEE Dimension Data

Size	A	B	C	L x W	T Sq.	Material Gauge		Max. Motor Frame	Roof Opening Square*	Approx. Ship Wt.-Lbs. less mtr.
						Base	Hood			
24	28-3/4	3	10	59	36	14	18	182T	31-1/2	480
30	30-1/2	3	10	69	42	14	18	184T	37-1/2	560
36	33	3	10	80	48	14	18	215T	43-1/2	780
42	38	3	10	90	54	14	18	215T	48-1/2	1020
48	41-1/2	3	13-1/2	90 x 110	60	14	18	254T	55-1/2	1110
54	44-1/2	3	14-3/4	111 x 109	66	14	18	256T	61-1/2	1235
60	44-1/2	3	14-3/4	121 x 119	72	14	18	256T	67-1/2	1550

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

HES Specifications and Dimension Data

Hooded Supply Ventilator Extruded Aluminum Airfoil Propeller Roof Mounted, Belt Drive



Loren Cook Company certifies that the HES 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 comply with the requirements of the AMCA Certified Ratings Program.



Type HES are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Type HES are furnished standard with ^cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a hooded, low profile, roof mounted, belt driven, propeller supply fan.

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

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be rigidly secured to the fan housing. The welded steel fan housing shall include a minimum 14 gauge base with integral spun venturi and continuously welded curb cap corners. Fan shall be enclosed with a minimum 18 gauge galvanized steel hood bolted to the fan housing. The hood shall have a removable top cap to allow unobstructed access to the motor and power assembly. Fan inlet shall be protected from entry of foreign material by a 1/2 inch x 1/2 inch galvanized steel screen. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All non-galvanized steel fan components shall be Lorenized[®] with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty 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 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.

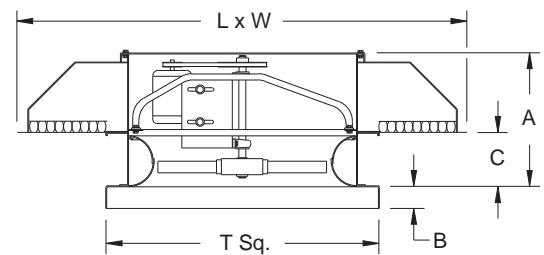
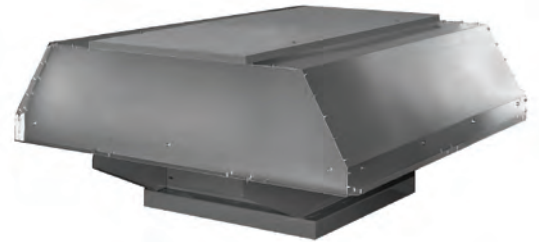
Product - Fan shall be model HES as manufactured by Loren Cook Company of Springfield, Missouri.

HES Dimension Data

Size	A	B	C	L x W	T Sq.	Material Gauge		Max. Motor Frame	Roof Opening Square*	Approx. Ship Wt.-Lbs. less mtr.
						Base	Hood			
24	28-3/4	3	10	59	36	14	18	182T	31-1/2	480
30	30-1/2	3	10	69	42	14	18	184T	37-1/2	560
36	33	3	10	80	48	14	18	215T	43-1/2	780
42	38	3	10	90	54	14	18	215T	49-1/2	1020
48	41-1/2	3	13-1/2	90 x 110	60	14	18	254T	55-1/2	1110
54	44-1/2	3	14-3/4	111 x 109	66	14	18	256T	61-1/2	1235
60	44-1/2	3	14-3/4	121 x 119	72	14	18	256T	67-1/2	1550

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

**Hooded Filtered
Supply Ventilator
Extruded Aluminum
Airfoil Propeller
Roof Mounted, Belt Drive**



Loren Cook Company certifies that the HEF 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 comply with the requirements of the AMCA Certified Ratings Program.



Type HEF are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Type HEF are furnished standard with cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a hooded, low profile, filtered, roof mounted, belt driven, filtered, propeller supply fan.

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

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be rigidly secured to the fan housing. The welded steel fan housing shall include a minimum 14 gauge base with integral spun venturi and continuously welded curb cap corners. Fan shall be enclosed with a minimum 18 gauge galvanized steel hood bolted to the fan housing. The hood shall have a removable top cap to allow unobstructed access to the motor and power assembly. Filters shall be washable expanded aluminum media with two inch formed aluminum frame. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

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

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty 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 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 HEF as manufactured by Loren Cook Company of Springfield, Missouri.

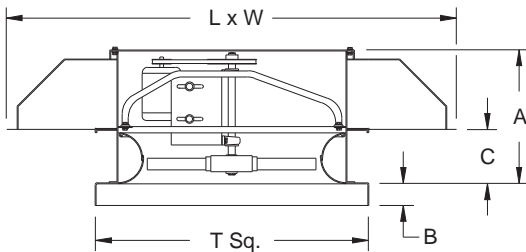
HEF Dimension Data

Size	A	B	C	L x W	T Sq.	Material Gauge		Max. Motor Frame	Roof Opening Square*	Approx. Ship Wt.-Lbs. less mtr.
						Base	Hood			
24	30-1/2	3	10	69	36	14	18	182T	31-1/2	525
30	33	3	10	80	42	14	18	184T	37-1/2	610
36	38	3	10	90	48	14	18	215T	43-1/2	840
42	41-1/2	3	13-1/2	90 x 110	54	14	18	215T	49-1/2	1100
48	44-1/2	3	14-3/4	111 x 109	60	14	18	254T	55-1/2	1200
54	44-1/2	3	14-3/4	121 x 119	66	14	18	256T	61-1/2	1345
60	44-1/2	3	14-3/4	119 x 146	72	14	18	256T	67-1/2	1700

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

HER Specifications and Dimension Data

Hooded Supply/ Exhaust Ventilator Reversible Extruded Aluminum Airfoil Propeller Roof Mounted, Belt Drive



Type HER are furnished standard with UL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Type HER are furnished standard with cUL 705 listing (Power Ventilator) when furnished with factory supplied motor.

Description - Fan shall be a hooded, low profile, roof mounted, belt driven, propeller supply/exhaust fan.

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

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The motor, bearings and drives shall be mounted on a tubular steel power assembly. The power assembly shall be rigidly secured to the fan housing. The welded steel fan housing shall include a minimum 14 gauge base with integral spun venturi and continuously welded curb cap corners. Fan shall be enclosed with a minimum 18 gauge galvanized steel hood bolted to the fan housing. The hood shall have a removable top cap to allow unobstructed access to the motor and power assembly. The hood shall be protected from entry of foreign material by a 1/2 inch x 1/2 inch galvanized steel screen. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All non-galvanized steel fan components shall be Lorenized[®] with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be reversible extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty 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 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.

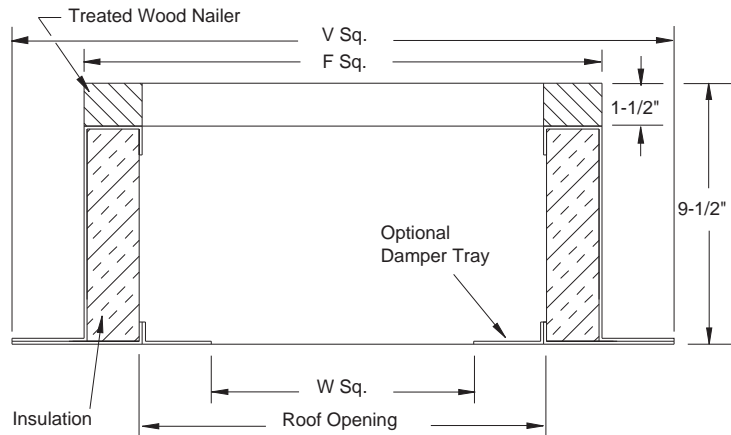
Product - Fan shall be model HER as manufactured by Loren Cook Company of Springfield, Missouri.

HER Dimension Data

Size	A	B	C	L x W	T Sq.	Material Gauge		Max. Motor Frame	Roof Opening Square*	Approx. Ship Wt.-Lbs. less mtr.
						Base	Hood			
24	28-3/4	3	10	59	36	14	18	182T	31-1/2	480
30	30-1/2	3	10	69	42	14	18	184T	37-1/2	560
36	33	3	10	80	48	14	18	215T	43-1/2	780
42	38	3	10	90	54	14	18	215T	49-1/2	1020
48	41-1/2	3	13-1/2	90 x 110	60	14	18	254T	55-1/2	1110
54	44-1/2	3	14-3/4	111 x 109	66	14	18	256T	61-1/2	1235
60	44-1/2	3	14-3/4	121 x 119	72	14	18	256T	67-1/2	1550

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

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.

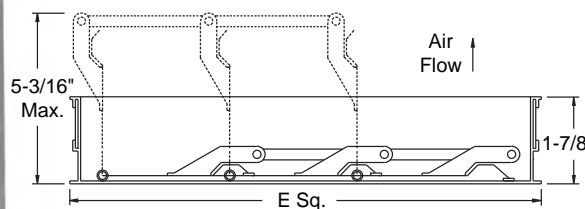
Options

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

H Series Size	Curb Catalog Number		F Sq.	V Sq.	W Sq.	Roof Opening	Approx. Ship Wt. Lbs.	
	Galvanized	Aluminum					RCG	RCA
20	RCG-30	RCA-30	30-1/2	34-1/2	23-3/4	27-1/2	37	24
24	RCG-34	RCA-34	34-1/2	38-1/2	27-3/4	31-1/2	41	27
30	RCG-40	RCA-40	40-1/2	44-1/2	33-3/4	37-1/2	49	31
36	RCG-46	RCA-46	46-1/2	50-1/2	39-3/4	43-1/2	84	63
42	RCG-52	RCA-52	52-1/2	56-1/2	45-3/4	49-1/2	94	71
48	RCG-58	RCA-58	58-1/2	62-1/2	51-3/4	55-1/2	104	79
54	RCG-64	RCA-64	64-1/2	68-1/2	57-3/4	61-1/2	115	86
60	RCG-70	RCA-70	70-1/2	74-1/2	63-3/4	67-1/2	125	94

All dimensions in inches. When motor operated damper is used, a wood nailer is required. Sound curbs available. Contact factory for dimensions.

Gravity Backdraft Damper (Exhaust Models)

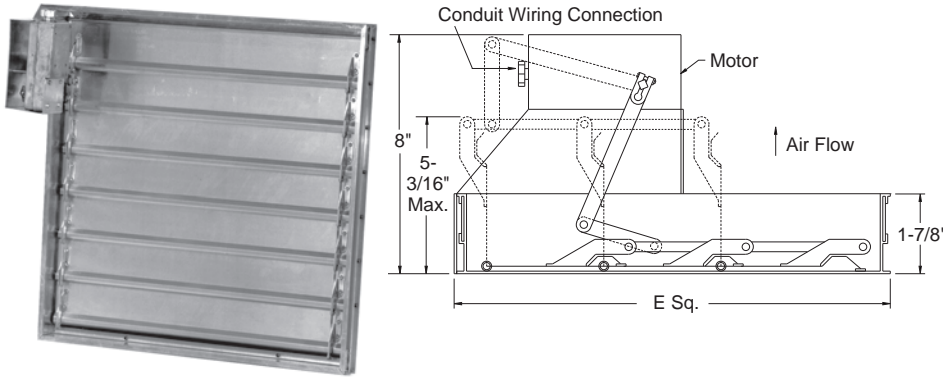


H Series Size	Catalog Number	E Sq.	Approx. Ship Wt. Lbs.
20	BD-26	25-3/4	5
24	BD-30	29-3/4	6
30	BD-36	35-3/4	9
36	BD-42	41-3/4	12
42	BD-48	47-3/4	15
48	BD-54	53-3/4	19
54	BD-60	59-3/4	23
60	BD-66	65-3/4	32

All dimensions in inches. Maximum operating temperature is 200° F (95° C). BD-36 to BD-60 are shipped as two panels. BD-66 is shipped as three panels.

Accessories

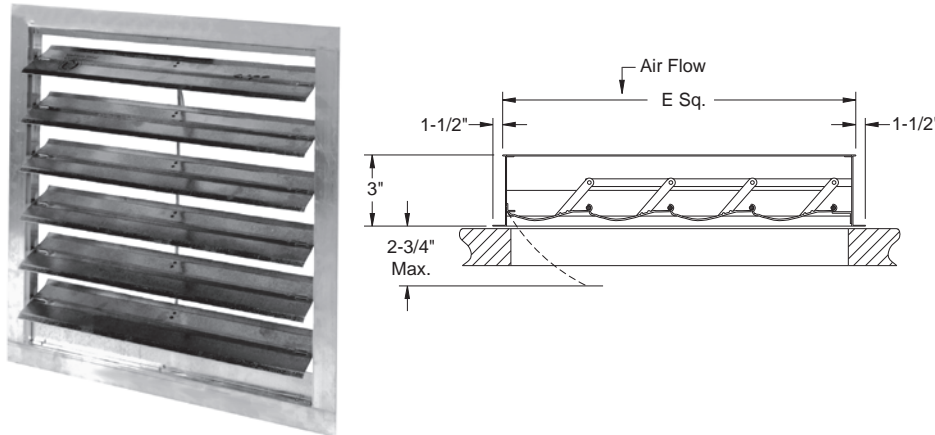
Motorized Backdraft Damper (Exhaust Models)



H Series Size	Catalog Number	E Sq.	Approx. Ship Wt. Lbs.
20	BDM-26	25-3/4	7
24	BDM-30	29-3/4	8
30	BDM-36	35-3/4	13
36	BDM-42	41-3/4	16
42	BDM-48	47-3/4	19
48	BDM-54	53-3/4	23
54	BDM-60	59-3/4	27
60	BDM-66	65-3/4	38

All dimensions in inches. Maximum operating temperature is 130°F (50°C). BDM-36 to BDM-60 are shipped as two panels and use two motors. BDM-66 is shipped as three panels and uses three motors.

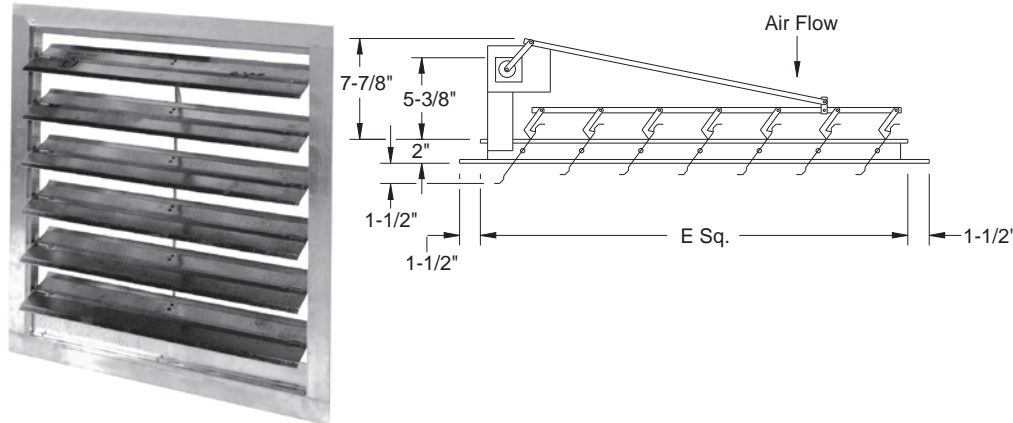
Intake Center Pivot Backdraft Damper (Supply Models)



H Series Size	Catalog Number	E Sq.	Approx. Ship Wt. Lbs.
20	BDIC-26	22-3/4	22
24	BDIC-30	26-3/4	24
30	BDIC-36	32-3/4	32
36	BDIC-42	38-3/4	49
42	BDIC-48	44-3/4	58
48	BDIC-54	50-3/4	70
54	BDIC-60	56-3/4	79
60	BDIC-66	62-3/4	88

All dimensions in inches. Maximum operating temperature is 200°F (95°C).

Motorized Intake Center Pivot Backdraft Damper (Supply and Reversible Models)



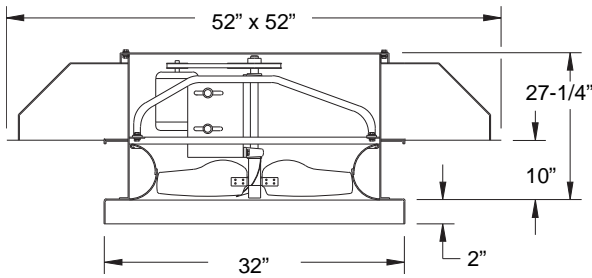
H Series Size	Catalog Number	E Sq.	Approx. Ship Wt. Lbs.
20	BDMIC-26	22-3/4	25
24	BDMIC-30	26-3/4	27
30	BDMIC-36	32-3/4	37
36	BDMIC-42	38-3/4	56
42	BDMIC-48	44-3/4	64
48	BDMIC-54	50-3/4	72
54	BDMIC-60	56-3/4	104
60	BDMIC-66	62-3/4	112

All dimensions in inches. Maximum operating temperature is 130°F (50°C). BDMIC-42 to BDMIC-60 use two motors. BDMIC-66 uses three motors.

Additional Accessories

- Aluminum hood
- Outboard lifting lugs

Data 20 HXEL, HXEM



Prop Diameter - 20 inches
Prop Type - X.STREAM
Maximum MHP = 1
Maximum Frame = 145T
Maximum RPM - 1276 HXEL
 1462 HXEM
Tip Speed (FPM) = 5.24 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 12.5 sq. ft.
Outlet Velocity (FPM) - (CFM/12.5)
Roof Opening Square - 27-1/2 inches
Matching Curb - RCG, RCA-30
Approx. Shipping Weight - 400 lbs.

20 HXEL

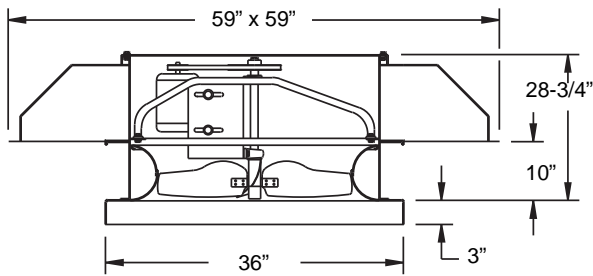
Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure								
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375
20HXEL2B	1/6	650	3410	0.11	8.1	3214	2747	2186	1957	1443				
		690	3620	0.13	9.0	3412	2967	2444	2228	1935				
		725	3804	0.15	9.8	3585	3157	2698	2434	2245	1332			
		755	3961	0.17	10.8	3733	3319	2916	2619	2435	1725			
20HXEL3B	1/4	770	4040	0.18	10.8	3807	3399	3021	2722	2525	1916			
		795	4171	0.20	11.4	3931	3532	3177	2902	2671	2215	1268		
		835	4381	0.23	12.4	4129	3745	3411	3195	2923	2576	1809		
		855	4486	0.25	12.9	4227	3850	3525	3337	3064	2710	2069		
20HXEL4B	1/3	880	4617	0.27	13.6	4351	3982	3666	3500	3246	2861	2371	1523	
		910	4774	0.30	14.4	4499	4140	3834	3677	3466	3038	2688	1921	
		935	4905	0.33	15.1	4623	4271	3972	3821	3644	3184	2891	2246	
		965	5063	0.36	15.9	4771	4427	4137	3993	3840	3381	3085	2610	
20HXEL5B	1/2	1000	5246	0.40	16.9	4944	4609	4328	4189	4046	3630	3294	2973	1922
		1040	5456	0.45	18.0	5142	4817	4544	4412	4276	3924	3529	3273	2442
		1075	5640	0.50	19.0	5315	4998	4732	4604	4475	4175	3753	3487	2870
		1110	5824	0.55	20	5488	5179	4919	4795	4671	4408	4000	3694	3251
20HXEL6B	3/4	1140	5981	0.60	21	5637	5334	5079	4958	4837	4586	4220	3870	3502
		1190	6243	0.68	22	5884	5591	5344	5227	5111	4876	4584	4197	3828
		1230	6453	0.75	24	6082	5796	5555	5441	5329	5103	4862	4484	4066
		1265	6637	0.82	25	6255	5976	5739	5628	5518	5300	5071	4742	4271

20 HXEM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
20HXEM2B	1/6	750	3935	0.10	9.8	2972	2626	2308	2147	1735	1301						
		815	4276	0.13	11.3	3230	2909	2607	2471	2316	1698	1322					
		855	4486	0.15	12.3	3388	3081	2792	2657	2524	1937	1549	1224				
		890	4669	0.17	13.3	3527	3231	2952	2817	2693	2158	1766	1433				
20HXEM3B	1/4	905	4748	0.18	13.7	3587	3295	3021	2886	2764	2307	1860	1518				
		935	4905	0.20	14.5	3705	3423	3156	3026	2903	2640	2041	1688				
		980	5142	0.23	15.7	3884	3614	3357	3232	3109	2878	2314	1966	1515			
		1010	5299	0.25	16.5	4003	3740	3490	3369	3248	3025	2552	2151	1687			
20HXEM4B	1/3	1030	5404	0.27	17.1	4082	3824	3579	3459	3341	3121	2826	2270	1799			
		1070	5614	0.30	18.3	4240	3992	3755	3639	3525	3308	3086	2512	2038			
		1105	5797	0.33	19.3	4379	4138	3907	3795	3684	3468	3264	2776	2256	1588		
		1135	5955	0.36	20	4498	4263	4038	3928	3820	3605	3410	3159	2440	1769		
20HXEM5B	1/2	1175	6165	0.40	21	4657	4429	4211	4104	3999	3791	3599	3396	2678	1997		
		1225	6427	0.45	23	4855	4636	4426	4323	4222	4022	3830	3647	2998	2288		
		1265	6637	0.50	24	5013	4801	4597	4497	4399	4204	4012	3839	3496	2537	1955	
		1305	6847	0.55	25	5172	4966	4767	4670	4574	4385	4199	4026	3751	2784	2183	
20HXEM6B	3/4	1350	7083	0.60	27	5350	5151	4958	4864	4771	4588	4407	4232	3981	3051	2439	1924
		1405	7371	0.68	29	5568	5376	5191	5100	5010	4833	4658	4485	4248	3396	2778	2253
		1445	7581	0.75	30	5727	5540	5359	5270	5183	5010	4840	4671	4436	3858	3029	2478
		1460	7660	0.78	31	5786	5601	5422	5334	5247	5076	4907	4740	4505	4030	3118	2562

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.

HXEL, HXEM 24 Data



Prop Diameter - 24 inches
Prop Type - X.STREAM
Maximum MHP = 1.5
Maximum Frame = 182T
Maximum RPM - 1126 HXEL
 1400 HXEM
Tip Speed (FPM) = 6.28 x RPM

Base Material - 14 gauge Lorenized[®] steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 14.9 sq. ft.
Outlet Velocity (FPM) - (CFM/14.9)
Roof Opening Square - 31-1/2 inches
Matching Curb - RCG, RCA-34
Approx. Shipping Weight - 480 lbs.

24 HXEL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
24HXEL2B	1/6	550	3455	7.4	0.14	4114	3200	2511	2145						
		558	3506	7.6	0.15	4173	3271	2590	2233	1370					
		566	3556	7.8	0.16	4233	3346	2669	2317	1814					
		574	3606	8	0.16	4293	3424	2748	2400	1973					
24HXEL3B	1/4	596	3744	8.5	0.18	4458	3687	2959	2620	2274					
		618	3883	9	0.2	4622	4050	3162	2838	2517					
		640	4021	9.5	0.22	4787	4293	3357	3055	2742					
		660	4146	10	0.24	4936	4481	3528	3248	2940	2228				
24HXEL4B	1/3	683	4291	10.6	0.27	5108	4685	3721	3463	3168	2564				
		706	4435	11.3	0.3	5280	4881	3913	3669	3394	2826				
		730	4586	11.9	0.33	5460	5082	4114	3877	3624	3075	2322			
24HXEL5B	1/2	757	4756	12.7	0.37	5662	5303	4344	4105	3874	3345	2782			
		784	4926	13.4	0.41	5864	5522	4581	4331	4113	3612	3102			
		811	5095	14.2	0.46	6066	5738	4835	4557	4344	3878	3386	2778		
		838	5265	15	0.5	6268	5953	5145	4785	4570	4138	3657	3159		
24HXEL6B	3/4	870	5466	15.9	0.56	6507	6207	5677	5063	4837	4435	3974	3518		
		902	5667	17	0.63	6746	6459	6040	5360	5105	4721	4290	3846	3019	
		934	5868	18	0.7	6986	6709	6343	5712	5378	4995	4599	4165	3495	
		965	6063	19	0.77	7217	6951	6618	6228	5653	5255	4889	4472	3851	
24HXEL7B	1	998	6270	20	0.85	7464	7207	6899	6645	5967	5531	5186	4796	4195	
		1031	6477	21	0.94	7711	7463	7175	6971	6368	5807	5472	5112	4525	
		1064	6685	22	1.03	7958	7719	7445	7271	6932	6087	5751	5418	4852	

24 HXEM

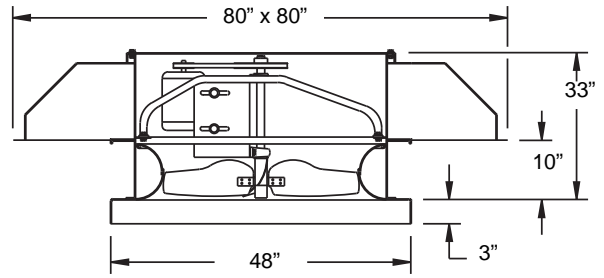
Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
24HXEM2B	1/6	650	4084	0.11	8.5	3808	3374	2914	2650	2346	1574						
		685	4304	0.13	9.3	4013	3602	3170	2938	2668	1839	1450					
		720	4524	0.15	10.1	4218	3829	3419	3207	2970	2399	1711					
		750	4712	0.17	10.9	4394	4021	3629	3429	3215	2704	1930	1585				
		765	4807	0.18	11.3	4482	4117	3733	3538	3333	2844	2048	1704				
24HXEM3B	1/4	790	4964	0.20	11.9	4628	4275	3904	3717	3523	3072	2453	1884				
		825	5184	0.23	12.8	4833	4496	4142	3963	3781	3376	2892	2140	1660			
		850	5341	0.25	13.5	4980	4653	4311	4137	3962	3583	3131	2387	1864			
		870	5466	0.27	14.1	5097	4778	4445	4274	4104	3744	3315	2785	2011			
24HXEM4B	1/3	900	5655	0.30	14.9	5272	4965	4644	4479	4315	3976	3583	3130	2227			
		930	5843	0.33	15.8	5448	5151	4842	4683	4524	4200	3839	3419	2451			
		955	6000	0.36	16.5	5595	5306	5005	4851	4695	4383	4044	3649	2744	1937		
24HXEM5B	1/2	990	6220	0.40	17.5	5800	5521	5233	5085	4935	4635	4321	3960	3330	2217		
		1030	6472	0.45	18.7	6034	5767	5490	5349	5206	4918	4624	4298	3731	2504		
		1065	6692	0.50	19.8	6239	5981	5714	5578	5440	5162	4881	4581	4055	2762	2142	
		1100	6912	0.55	21	6444	6195	5937	5806	5673	5403	5134	4852	4368	3124	2427	
24HXEM6B	3/4	1135	7131	0.60	22	6649	6407	6159	6032	5904	5643	5382	5115	4668	3755	2681	
		1185	7446	0.68	23	6942	6711	6473	6353	6230	5982	5732	5480	5077	4267	3045	2500
		1220	7665	0.75	24	7147	6923	6693	6576	6457	6217	5973	5731	5350	4592	3351	2770
		1255	7885	0.82	26	7352	7134	6911	6797	6683	6450	6213	5978	5614	4910	4005	3021
24HXEM7B	1	1300	8168	0.90	27	7616	7406	7191	7081	6971	6747	6520	6292	5946	5301	4528	3350
		1345	8451	1.00	29	7879	7676	7469	7364	7257	7042	6823	6602	6271	5674	4960	3791
		1385	8702	1.10	30	8114	7917	7716	7614	7511	7302	7091	6876	6556	5994	5327	4541

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.

36 HXEL, HXEM Data

Prop Diameter - 36 inches
Prop Type - X.STREAM
Maximum MHP = 3
Maximum Frame = 215T
Maximum RPM - 720 HXEL
 864 HXEM
Tip Speed (FPM) = 9.42 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 28 sq. ft.
Outlet Velocity (FPM) - (CFM/28)
Roof Opening Square - 43-1/2 inches
Matching Curb - RCG, RCA-46
Approx. Shipping Weight - 780 lbs.



36 HXEL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure										
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375		
36HXEL3B	1/4	330	3110	0.23	5.5	8784	7406	5940	4932							
		340	3204	0.25	5.8	9051	7697	6336	5412							
		345	3252	0.27	6.0	9184	7841	6528	5628							
36HXEL4B	1/3	360	3393	0.30	6.4	9583	8272	7086	6271	5321						
		370	3487	0.33	6.7	9849	8557	7444	6683	5819						
		380	3581	0.36	7.1	10115	8841	7792	7079	6251						
36HXEL5B	1/2	395	3723	0.40	7.6	10515	9265	8294	7647	6896						
		410	3864	0.45	8.1	10914	9688	8779	8193	7509						
		425	4006	0.50	8.7	11313	10109	9239	8716	8088	6616					
		435	4100	0.54	9.1	11580	10389	9540	9054	8462	7059					
36HXEL6B	3/4	450	4241	0.60	9.7	11979	10807	9985	9547	9006	7703					
		470	4430	0.68	10.6	12511	11364	10570	10174	9699	8534	7147				
		485	4571	0.75	11.3	12911	11780	11005	10626	10199	9121	7835				
		500	4712	0.82	11.9	13310	12196	11437	11071	10685	9686	8477				
36HXEL7B	1	520	4901	0.92	12.7	13842	12748	12009	11658	11300	10413	9320	8079			
		535	5042	1.00	13.3	14242	13163	12435	12094	11750	10936	9918	8741			
		550	5184	1.09	14.0	14641	13576	12860	12528	12195	11445	10492	9385			
36HXEL8B	1-1/2	570	5372	1.21	14.8	15173	14126	13424	13101	12782	12101	11233	10224	8457		
		590	5561	1.34	15.7	15706	14677	13986	13672	13363	12731	11945	11017	9422		
		615	5796	1.52	16.8	16371	15363	14686	14380	14083	13486	12799	11960	10497		
		630	5938	1.64	17.4	16770	15773	15105	14804	14512	13932	13294	12508	11132		
36HXEL9B	2	650	6126	1.80	18.3	17303	16322	15663	15367	15081	14520	13934	13214	11941		
		675	6362	2.01	19.3	17968	17007	16357	16068	15790	15248	14700	14064	12902		
		695	6550	2.20	20	18501	17553	16912	16627	16354	15826	15298	14721	13645		

36 HXEM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure													
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75		
36HXEM3B	1/4	375	3534	6.2	0.18	7041	6120	4997	4354	3507									
		385	3628	6.5	0.19	7228	6340	5249	4654	3907									
		395	3722	6.8	0.21	7416	6559	5497	4939	4261									
		405	3817	7.1	0.23	7604	6774	5740	5213	4588									
		416	3920	7.4	0.25	7810	7009	6004	5503	4928									
36HXEM4B	1/3	431	4062	7.9	0.27	8092	7325	6361	5883	5363	3959								
		446	4203	8.4	0.3	8374	7638	6716	6252	5773	4565								
		460	4335	8.8	0.33	8637	7927	7045	6591	6138	5051								
36HXEM5B	1/2	477	4495	9.4	0.37	8956	8275	7443	6996	6565	5589	4192							
		494	4655	10.1	0.41	9275	8621	7835	7399	6981	6089	4929							
		511	4816	10.7	0.46	9594	8964	8222	7800	7390	6559	5536							
		528	4976	11.4	0.5	9913	9305	8603	8198	7794	7007	6086	4855						
36HXEM6B	3/4	548	5164	12.2	0.56	10289	9705	9044	8661	8267	7512	6684	5655						
		568	5353	13.1	0.63	10664	10102	9478	9117	8737	8002	7244	6337						
		588	5541	14	0.69	11040	10498	9905	9566	9203	8484	7774	6960	5320					
		608	5730	14.9	0.77	11415	10892	10327	10009	9664	8960	8281	7542	6150					
36HXEM7B	1	629	5928	15.8	0.85	11809	11305	10765	10467	10141	9456	8800	8119	6887					
		650	6126	16.8	0.94	12204	11716	11199	10917	10610	9951	9308	8667	7556					
		670	6314	17.7	1.03	12579	12106	11609	11341	11051	10419	9786	9171	8153	5679				
36HXEM8B	1-1/2	695	6550	18.8	1.14	13049	12593	12119	11864	11594	10997	10378	9785	8854	6830				
		720	6785	19.9	1.27	13518	13079	12623	12383	12128	11567	10968	10387	9517	7740				
		745	7021	21	1.41	13987	13563	13125	12896	12656	12128	11554	10982	10152	8554	6098			
		770	7257	22	1.56	14457	14047	13626	13406	13177	12680	12134	11573	10768	9308	7351			
36HXEM9B	2	796	7502	24	1.72	14945	14549	14142	13932	13715	13247	12729	12186	11397	10046	8342			
		822	7747	25	1.9	15433	15049	14657	14455	14247	13804	13315	12794	12019	10744	9216	7038		
		848	7992	26	2.08	15921	15549	15171	14976	14777	14357	13894	13395	12635	11415	10025	8238		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.

48 HXEL, HXEM Data

Prop Diameter - 48 inches

Prop Type - X.STREAM

Maximum MHP = 5

Maximum Frame = 254T

Maximum RPM - 516 HXEL

598 HXEM

Tip Speed (FPM) = 12.57 x RPM

Base Material - 14 gauge Lorenized® steel

Hood Material - 18 gauge galvanized steel

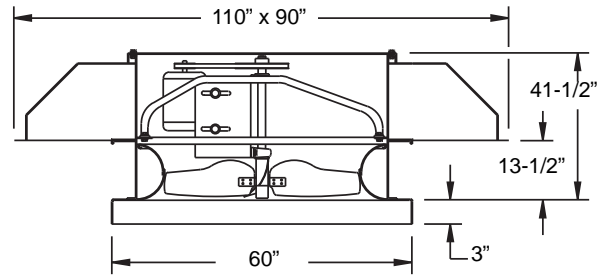
Outlet Area - 43.2 sq. ft.

Outlet Velocity (FPM) - (CFM/43.2)

Roof Opening Square - 55-1/2 inches

Matching Curb - RCG, RCA-58

Approx. Shipping Weight - 1110 lbs.



48 HXEL

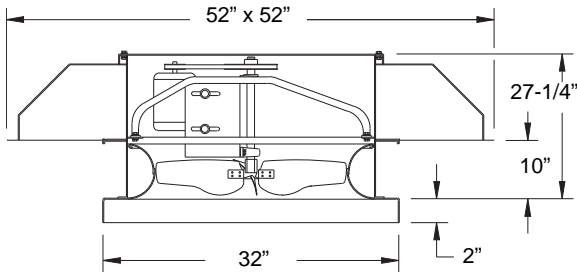
Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
48HXEL6B	3/4	282	3544	0.53	9.3	16673	13864	11677	10228						
		294	3695	0.60	10.1	17383	14641	12560	11359						
		308	3870	0.68	11.1	18211	15541	13552	12497						
		318	3996	0.75	11.9	18802	16180	14244	13259	12089					
		326	4097	0.81	11.7	19275	16690	14790	13847	12776					
48HXEL7B	1	338	4247	0.90	13.4	19984	17453	15600	14705	13737					
		350	4398	1.00	14.2	20694	18212	16402	15544	14647					
		360	4524	1.10	14.8	21285	18844	17065	16231	15378	13291				
48HXEL8B	1-1/2	372	4675	1.21	15.6	21995	19600	17857	17045	16232	14378				
		388	4876	1.36	16.6	22941	20604	18904	18117	17344	15684				
		400	5027	1.50	17.4	23650	21356	19685	18915	18164	16604	14602			
		412	5177	1.64	18.2	24360	22106	20461	19707	18974	17489	15736			
48HXEL9B	2	426	5353	1.81	19.1	25187	22978	21363	20626	19910	18492	16915			
		440	5529	2.00	20	26015	23850	22261	21539	20841	19473	18016	16190		
		454	5705	2.19	21	26843	24718	23155	22448	21764	20437	19069	17473		
48HXEL10B	3	468	5881	2.40	22	27671	25587	24047	23352	22682	21389	20085	18637		
		488	6132	2.73	23	28853	26823	25315	24637	23985	22730	21498	20193	17665	
		504	6333	3.00	25	29799	27812	26327	25659	25021	23795	22604	21377	19220	
		516	6484	3.22	25	30509	28552	27083	26425	25795	24589	23423	22241	20246	

48 HXEM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
48HXEM5B	1/2	288	3619	0.36	8.4	14298	12141	9802	8310								
		300	3770	0.40	9.2	14894	12807	10613	9362								
		312	3921	0.45	10.0	15490	13466	11428	10259								
		324	4072	0.50	10.9	16086	14121	12225	11097	9880							
		334	4197	0.55	11.6	16582	14662	12869	11771	10667							
48HXEM6B	3/4	344	4323	0.60	12.2	17079	15202	13498	12449	11396							
		358	4499	0.68	13.0	17774	15953	14352	13389	12365							
		370	4650	0.75	13.7	18369	16593	15054	14169	13172	11050						
		382	4800	0.82	14.3	18965	17231	15743	14929	13988	12038						
48HXEM7B	1	394	4951	0.90	15.0	19561	17867	16424	15669	14787	12930						
		406	5102	1.00	15.7	20157	18501	17097	16385	15566	13773	11620					
		420	5278	1.10	16.6	20852	19238	17876	17196	16450	14723	12899					
48HXEM8B	1-1/2	434	5454	1.21	17.4	21547	19973	18647	17994	17309	15670	13981					
		450	5655	1.35	18.3	22341	20810	19523	18896	18255	16748	15127	13244				
		466	5856	1.50	19.2	23136	21645	20392	19787	19176	17793	16221	14601				
		482	6057	1.65	20	23930	22478	21257	20671	20084	18809	17298	15796				
48HXEM9B	2	496	6233	1.82	21	24625	23205	22009	21439	20870	19676	18250	16783	14103			
		514	6459	2.01	22	25519	24138	22972	22419	21871	20752	19440	18006	15765			
		530	6660	2.20	24	26313	24965	23825	23286	22754	21678	20469	19086	17008			
48HXEM10B	3	546	6861	2.40	25	27107	25791	24674	24148	23630	22593	21472	20169	18167			
		568	7138	2.70	27	28200	26925	25839	25328	24827	23834	22809	21616	19683			
		588	7389	3.01	28	29193	27953	26892	26395	25909	24949	23975	22890	21026	17736		
		598	7515	3.17	29	29689	28466	27419	26927	26447	25503	24549	23514	21711	18566		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.

Data **HXSL, HXSM 20**



Prop Diameter - 20 inches
Prop Type - X.STREAM
Maximum MHP = 1
Maximum Frame = 145T
Maximum RPM - 1276 HXSL
 1462 HXSM
Tip Speed (FPM) = 5.24 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 12.5 sq. ft.
Intake Velocity (FPM) - (CFM/12.5)
Roof Opening Square - 27-1/2 inches
Matching Curb - RCG, RCA-30
Approx. Shipping Weight - 400 lbs.

20 HXSL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
20HXSL2B	1/6	700	3673	0.14	12.1	3624	3355	2764	2429						
		725	3804	0.15	12.9	3754	3502	2942	2648	2076					
		755	3961	0.17	13.9	3909	3675	3153	2886	2545					
		770	4040	0.18	14.3	3987	3760	3257	2998	2690					
20HXSL3B	1/4	800	4197	0.20	15.3	4142	3929	3483	3214	2948					
		830	4355	0.23	16.4	4297	4096	3709	3426	3184	2301				
		860	4512	0.25	17.4	4453	4262	3923	3636	3404	2786				
		880	4617	0.27	18.1	4556	4372	4058	3782	3547	3020				
20HXSL4B	1/3	910	4774	0.30	19.2	4712	4536	4254	4013	3759	3290				
		935	4905	0.33	20	4841	4672	4411	4198	3933	3495	2663			
		965	5063	0.36	21	4996	4834	4595	4409	4150	3726	3164			
20HXSL5B	1/2	995	5220	0.40	22	5152	4996	4774	4611	4382	3945	3481			
		1040	5456	0.45	24	5385	5238	5037	4899	4711	4264	3865	3204		
		1075	5640	0.50	25	5566	5425	5238	5114	4952	4509	4137	3672		
		1110	5824	0.55	26	5747	5611	5436	5323	5181	4760	4393	3991		
20HXSL6B	3/4	1140	5981	0.60	27	5902	5771	5605	5500	5371	4991	4607	4239	3194	
		1195	6270	0.68	30	6187	6064	5910	5818	5707	5398	4993	4660	4036	
		1230	6453	0.75	31	6368	6249	6103	6016	5915	5641	5240	4913	4366	
		1270	6663	0.82	33	6575	6460	6323	6241	6148	5907	5545	5196	4703	

20 HXSM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
20HXSM2B	1/6	800	4197	0.13	14.9	3149	2935	2679	2476	2156	1672						
		845	4433	0.15	16.4	3326	3125	2893	2747	2474	1979	1370					
		880	4617	0.17	17.6	3464	3271	3055	2925	2738	2201	1737					
		900	4722	0.18	18.2	3542	3355	3145	3023	2867	2333	1913					
20HXSM3B	1/4	930	4879	0.20	19.3	3660	3479	3280	3166	3032	2532	2118	1546				
		970	5089	0.23	21	3818	3645	3457	3352	3233	2811	2371	1960				
		1000	5246	0.25	22	3936	3768	3588	3489	3379	3046	2567	2196				
		1025	5378	0.27	23	4034	3871	3696	3601	3497	3220	2732	2361	1580			
20HXSM4B	1/3	1060	5561	0.30	24	4172	4014	3847	3757	3660	3428	2967	2581	1946			
		1095	5745	0.33	25	4310	4157	3996	3911	3819	3609	3228	2809	2285			
		1130	5928	0.36	27	4448	4300	4145	4063	3977	3783	3492	3040	2535			
20HXSM5B	1/2	1165	6112	0.40	28	4585	4442	4293	4215	4132	3951	3721	3276	2760			
		1210	6348	0.45	30	4762	4625	4482	4407	4330	4162	3963	3619	3047	2097		
		1255	6584	0.50	32	4940	4807	4670	4599	4525	4368	4188	3941	3344	2556		
		1295	6794	0.55	34	5097	4969	4837	4768	4698	4548	4381	4181	3612	2862		
20HXSM6B	3/4	1335	7004	0.60	35	5254	5130	5002	4936	4869	4726	4570	4389	3904	3123	2156	
		1390	7293	0.68	38	5471	5352	5229	5167	5102	4968	4824	4662	4319	3471	2733	
		1435	7529	0.75	40	5648	5533	5414	5354	5292	5164	5027	4877	4602	3767	3112	2100
		1460	7660	0.79	41	5746	5633	5517	5458	5397	5272	5139	4995	4739	3933	3281	2337

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

24 HXSL, HXSM Data

Prop Diameter - 24 inches

Prop Type - X.STREAM

Maximum MHP = 1.5

Maximum Frame = 182T

Maximum RPM - 1126 HXSL

1400 HXSM

Tip Speed (FPM) = 6.28 x RPM

Base Material - 14 gauge Lorenized® steel

Hood Material - 18 gauge galvanized steel

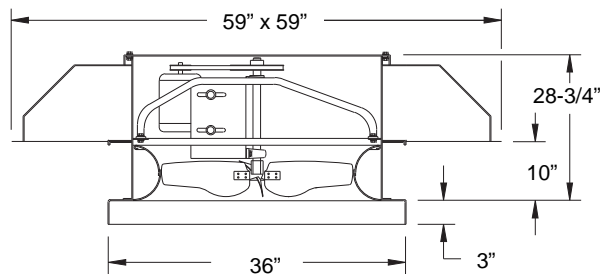
Intake Area - 14.9 sq. ft.

Intake Velocity (FPM) - (CFM/14.9)

Roof Opening Square - 31-1/2 inches

Matching Curb - RCG, RCA-34

Approx. Shipping Weight - 480 lbs.



24 HXSL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure										
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375		
24HXSL2B	1/6	550	3456	0.14	9.7	4597	4170	3425	2653	2160						
		570	3581	0.15	10.3	4764	4354	3758	3045	2416						
		595	3738	0.17	11.1	4973	4583	4088	3482	2770						
		605	3801	0.18	11.4	5056	4673	4202	3649	2954						
24HXSL3B	1/4	630	3958	0.20	12.2	5265	4899	4467	4090	3436						
		655	4115	0.23	13.0	5474	5123	4722	4445	3868	2750					
		675	4241	0.25	13.7	5641	5301	4920	4682	4220	3002					
24HXSL4B	1/3	690	4335	0.27	14.2	5767	5435	5067	4844	4478	3251					
		720	4524	0.30	15.3	6017	5700	5355	5155	4900	3834	2920				
		740	4650	0.33	16.0	6184	5876	5544	5356	5136	4188	3170				
24HXSL5B	1/2	760	4775	0.36	16.8	6352	6052	5731	5553	5350	4528	3438				
		790	4964	0.40	17.9	6602	6314	6010	5844	5660	5060	3992	3215			
		820	5152	0.45	19.0	6853	6576	6285	6129	5960	5510	4554	3590			
		850	5341	0.50	20	7104	6836	6558	6411	6253	5879	5067	4072			
24HXSL6B	3/4	875	5498	0.55	21	7313	7053	6785	6643	6493	6151	5514	4568	3487		
		900	5655	0.60	22	7522	7269	7009	6873	6730	6411	5923	5019	3804		
		940	5906	0.68	24	7856	7615	7367	7239	7105	6814	6455	5698	4366		
		970	6095	0.75	25	8107	7873	7634	7511	7383	7109	6788	6239	4939		
24HXSL7B	1	1000	6283	0.82	26	8357	8131	7900	7781	7659	7399	7104	6690	5502		
		1035	6503	0.90	27	8650	8431	8209	8094	7978	7732	7460	7132	6105		
		1080	6786	1.00	29	9026	8816	8604	8495	8385	8154	7904	7621	6899		
		1120	7037	1.10	31	9360	9158	8954	8849	8744	8525	8291	8033	7506		

24 HXSM

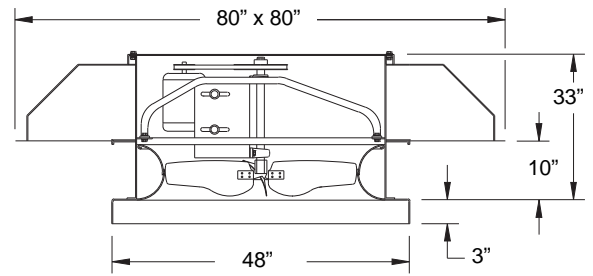
Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
24HXSM2B	1/6	725	4555	0.15	13.7	4236	3909	3573	3346	3054	2320	1705	1088				
		755	4744	0.17	14.7	4411	4097	3780	3588	3325	2715	2059	1422				
		770	4838	0.18	15.3	4499	4190	3881	3704	3458	2902	2201	1577				
24HXSM3B	1/4	795	4995	0.20	16.2	4645	4346	4049	3886	3672	3148	2432	1878	986			
		830	5215	0.23	17.4	4849	4562	4280	4130	3953	3463	2846	2284	1441			
		855	5372	0.25	18.3	4995	4716	4443	4300	4144	3687	3174	2517	1702			
		880	5529	0.27	19.2	5141	4870	4605	4468	4321	3913	3436	2753	1985			
24HXSM4B	1/3	910	5718	0.30	20	5317	5053	4798	4667	4529	4173	3713	3128	2363			
		940	5906	0.33	22	5492	5237	4990	4864	4733	4419	3978	3518	2667	1457		
		970	6095	0.36	23	5667	5419	5180	5059	4934	4655	4250	3821	2945	1786		
24HXSM5B	1/2	1000	6283	0.40	24	5843	5602	5369	5253	5133	4876	4516	4095	3267	2098		
		1035	6503	0.45	25	6047	5814	5589	5477	5363	5121	4812	4404	3733	2535	1404	
		1080	6786	0.50	27	6310	6086	5870	5763	5654	5429	5170	4812	4229	3029	1950	
		1115	7006	0.55	28	6514	6297	6088	5984	5880	5664	5430	5115	4551	3353	2314	
24HXSM6B	3/4	1145	7194	0.60	29	6690	6478	6274	6173	6071	5863	5641	5362	4817	3653	2678	1701
		1190	7477	0.68	31	6953	6748	6552	6454	6357	6159	5951	5716	5224	4243	3219	2209
		1235	7760	0.75	33	7216	7018	6828	6735	6641	6451	6255	6044	5620	4768	3642	2685
		1270	7980	0.82	35	7420	7228	7043	6952	6860	6677	6488	6288	5913	5097	3971	3135
24HXSM7B	1	1305	8200	0.90	36	7625	7437	7257	7168	7079	6901	6719	6528	6193	5412	4401	3540
		1355	8514	1.00	38	7917	7736	7562	7476	7391	7219	7046	6866	6575	5858	5056	4009
		1400	8796	1.10	41	8180	8005	7835	7752	7669	7504	7337	7165	6892	6263	5514	4445

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

36 HXSL, HXSM Data

Prop Diameter - 36 inches
Prop Type - X.STREAM
Maximum MHP = 3
Maximum Frame = 215T
Maximum RPM - 720 HXSL
 864 HXSM
Tip Speed (FPM) = 9.42 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 28 sq. ft.
Intake Velocity (FPM) - (CFM/28)
Roof Opening Square - 43-1/2 inches
Matching Curb - RCG, RCA-46
Approx. Shipping Weight - 780 lbs.



36 HXSL

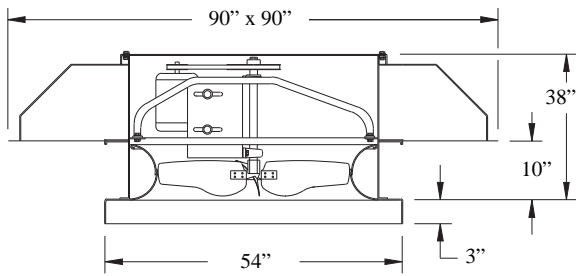
Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
36HXSL4B	1/3	350	3299	0.27	8.3	9676	8864	5892	4519						
		365	3440	0.31	9.0	10091	9347	6768	5254	3897					
		375	3534	0.33	9.5	10368	9661	7406	5743	4502					
		385	3629	0.36	10.0	10644	9970	7995	6255	5030					
		400	3770	0.40	10.9	11059	10428	8770	7061	5763					
36HXSL5B	1/2	415	3911	0.45	11.6	11473	10880	9471	8011	6505					
		430	4053	0.50	12.5	11888	11326	10166	8915	7288	5026				
		445	4194	0.55	13.4	12303	11769	10782	9697	8159	5830				
		460	4335	0.61	14.2	12718	12210	11342	10405	9116	6564				
		475	4477	0.67	15.1	13132	12646	11868	11109	9981	7298	5273			
36HXSL6B	3/4	490	4618	0.74	15.9	13547	13080	12372	11756	10746	8069	6134			
		505	4760	0.81	16.6	13962	13514	12862	12339	11448	8878	6888			
		525	4948	0.91	17.5	14515	14090	13497	13061	12380	10137	7855	6059		
		540	5089	0.99	18.1	14929	14519	13962	13573	13008	11057	8615	6887		
		555	5231	1.08	18.9	15344	14947	14424	14068	13584	11868	9402	7633		
36HXSL8B	1-1/2	575	5419	1.20	19.8	15897	15517	15028	14711	14304	12847	10565	8600		
		600	5655	1.36	21	16588	16228	15778	15494	15149	14014	12143	9876	7506	
		620	5843	1.51	22	17141	16796	16369	16111	15800	14878	13242	10957	8510	
		640	6032	1.64	23	17694	17361	16958	16716	16436	15653	14228	12224	9476	
		660	6220	1.80	25	18247	17925	17543	17318	17058	16376	15152	13463	10481	
36HXSL9B	2	680	6409	1.98	26	18800	18488	18123	17912	17674	17065	16079	14549	11529	
		705	6644	2.20	27	19491	19192	18847	18649	18429	17892	17102	15770	12989	

36 HXSM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure										
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625
36HXSM3B	1/4	375	3534	0.18	8.2	8059	6934	4687	3529							
		385	3629	0.20	8.7	8274	7185	5037	3922							
		405	3817	0.23	9.5	8704	7679	6117	4744	3672						
		415	3911	0.25	10.0	8919	7923	6554	5092	4013						
		425	4006	0.27	10.5	9134	8164	6895	5439	4437						
36HXSM4B	1/3	440	4147	0.30	11.3	9456	8524	7366	6073	5067						
		455	4288	0.33	12.0	9779	8880	7807	6952	5592						
		470	4430	0.36	12.8	10101	9234	8228	7536	6115	4318					
36HXSM5B	1/2	490	4618	0.41	13.8	10531	9702	8766	8177	7147	5091					
		505	4760	0.45	14.6	10853	10051	9159	8622	7908	5735					
		525	4948	0.50	15.5	11283	10514	9672	9186	8589	6443	4812				
		540	5089	0.54	16.2	11606	10858	10050	9592	9055	6965	5354				
36HXSM6B	3/4	560	5278	0.61	17.2	12035	11316	10546	10120	9640	7891	6218				
		580	5466	0.68	18.1	12465	11772	11037	10636	10196	9004	6963	5435			
		600	5655	0.75	19.1	12895	12226	11521	11142	10733	9716	7656	6230			
		615	5796	0.81	19.9	13218	12565	11881	11517	11127	10195	8201	6877			
36HXSM7B	1	640	6032	0.91	21	13755	13128	12477	12133	11769	10941	9652	7788	5793		
		660	6220	0.99	22	14185	13578	12949	12620	12274	11506	10496	8482	6500		
		680	6409	1.09	23	14614	14026	13418	13102	12772	12052	11160	9311	7364		
36HXSM8B	1-1/2	705	6644	1.21	25	15152	14584	14001	13699	13387	12714	11925	10775	8341		
		730	6880	1.34	26	15689	15142	14581	14291	13994	13361	12645	11738	9208		
		760	7163	1.51	28	16334	15808	15272	14996	14714	14120	13467	12694	10395	7417	
		780	7351	1.64	29	16764	16252	15730	15463	15190	14619	13999	13289	11610	8277	
36HXSM9B	2	805	7587	1.81	31	17301	16805	16301	16043	15781	15236	14650	14000	12740	9311	
		835	7870	2.01	33	17946	17468	16983	16736	16485	15966	15416	14818	13738	10357	7772
		860	8105	2.20	35	18483	18019	17549	17310	17068	16569	16044	15481	14503	11232	8731

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

Data HXSL, HXSM 42



Prop Diameter - 42 inches
Prop Type - X.STREAM
Maximum MHP = 5
Maximum Frame = 215T
Maximum RPM - 610 HXSL
 718 HXSM
Tip Speed (FPM) = 11.0 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 35.5 sq. ft.
Intake Velocity (FPM) - (CFM/35.5)
Roof Opening Square - 49-1/2 inches
Matching Curb - RCG, RCA-52
Approx. Shipping Weight - 1020 lbs.

42 HXSL

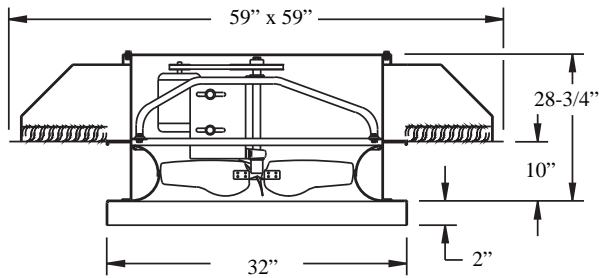
Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
42HXSL7B	1	398	4376	0.78	18.0	16813	15972	14826	13963						
		420	4618	0.91	19.6	17742	16955	15935	15245						
		434	4772	0.99	21	18334	17577	16621	16003						
		448	4926	1.10	22	18925	18198	17296	16732	16017					
42HXSL8B	1-1/2	462	5080	1.20	23	19517	18814	17961	17440	16806					
		482	5300	1.36	24	20362	19693	18898	18427	17875					
		500	5498	1.51	26	21122	20482	19732	19296	18798					
42HXSL9B	2	512	5630	1.65	27	21629	21006	20282	19867	19398	18183				
		528	5806	1.80	28	22305	21703	21013	20621	20185	19103				
		548	6026	2.00	30	23150	22572	21918	21553	21151	20191				
42HXSL10B	3	562	6180	2.19	31	23741	23179	22549	22198	21817	20923	19693			
		582	6399	2.42	33	24586	24046	23444	23114	22757	21941	20887			
		604	6641	2.69	35	25515	24997	24424	24113	23781	23031	22108			
		610	6707	2.76	36	25769	25256	24691	24384	24057	23323	22430			

42 HXSM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
42HXSM3B	1/4	260	2859	0.17	7.9	9133	7403	4399	2271								
		280	3079	0.20	9.0	9835	8304	5506	4299								
		292	3211	0.23	9.7	10257	8820	6375	4986								
		300	3299	0.25	10.3	10538	9157	6885	5398	4184							
		308	3387	0.27	10.8	10819	9489	7352	5823	4798							
42HXSM4B	1/3	320	3519	0.30	11.7	11240	9979	8020	6655	5469							
		332	3651	0.33	12.5	11662	10462	8678	7492	6087							
		336	3695	0.34	12.8	11802	10622	8891	7733	6300							
42HXSM5B	1/2	352	3870	0.40	14.1	12364	11253	9712	8650	7397	5281						
		366	4024	0.45	15.2	12856	11799	10390	9420	8347	6132						
		378	4156	0.51	16.0	13278	12262	10943	10064	9049	6753	4391					
42HXSM6B	3/4	390	4288	0.55	16.8	13699	12722	11481	10681	9718	7389	5630					
		402	4420	0.60	17.7	14121	13178	12005	11273	10378	8215	6466					
		418	4596	0.68	18.8	14683	13783	12687	12025	11230	9356	7313	5313				
		432	4750	0.75	19.8	15174	14309	13271	12657	11939	10192	8034	6534				
42HXSM7B	1	446	4904	0.82	21	15666	14832	13847	13272	12618	10983	8935	7390				
		462	5080	0.90	22	16228	15428	14494	13959	13360	11864	10102	8221				
		476	5234	1.00	23	16720	15946	15054	14548	13988	12618	10985	8956	6758			
42HXSM8B	1-1/2	492	5410	1.10	24	17282	16536	15686	15210	14688	13445	11908	10036	7898			
		508	5586	1.20	26	17844	17125	16312	15861	15372	14236	12793	11202	8753			
		530	5828	1.35	28	18617	17930	17165	16744	16292	15269	13992	12535	9890			
		544	5982	1.50	29	19108	18442	17702	17299	16867	15901	14723	13327	10786	7300		
42HXSM9B	2	562	6180	1.64	30	19741	19097	18389	18006	17598	16694	15625	14318	12095	8737		
		582	6399	1.81	32	20443	19824	19147	18783	18399	17555	16583	15402	13396	9869		
		598	6575	2.02	34	21005	20404	19751	19400	19032	18230	17318	16234	14326	10694	6987	
42HXSM10B	3	618	6795	2.19	36	21708	21127	20500	20166	19816	19060	18212	17232	15439	11767	9009	
		638	7015	2.40	38	22410	21849	21247	20927	20594	19878	19084	18187	16539	13163	10357	
		660	7257	2.70	40	23183	22642	22064	21759	21441	20764	20021	19194	17708	14735	11515	8296
		688	7565	3.01	43	24167	23649	23099	22810	22511	21877	21189	20433	19122	16399	12981	10680
		710	7807	3.29	46	24939	24439	23909	23631	23345	22741	22089	21381	20179	17630	14475	11940

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

Data **HXFL, HXFM 20**



Prop Diameter - 20 inches
Prop Type - X.STREAM
Maximum MHP = 1
Maximum Frame = 145T
Maximum RPM - 1276 HXFL
 1462 HXFM
Tip Speed (FPM) = 5.24 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 16.3 sq. ft.
Intake Velocity (FPM) - (CFM/16.3)
Roof Opening Square - 27-1/2 inches
Matching Curb - RCG, RCA-30
Approx. Shipping Weight - 450 lbs.

20 HXFL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
20HXFL2B	1/6	700	3673	0.14	10.2	3570	3258	2800							
		725	3804	0.15	10.8	3697	3399	2987							
		760	3987	0.17	11.7	3876	3594	3229							
20HXFL3B	1/4	770	4040	0.18	12.0	3927	3649	3295	3030						
		795	4171	0.20	12.6	4054	3787	3455	3225						
		830	4355	0.23	13.6	4233	3979	3672	3477	3207					
20HXFL4B	1/3	860	4512	0.25	14.5	4386	4142	3853	3678	3450					
		880	4617	0.27	15.1	4488	4250	3972	3807	3601					
		915	4801	0.30	16.1	4666	4439	4177	4026	3849					
20HXFL5B	1/2	935	4905	0.33	16.7	4768	4546	4293	4148	3983					
		975	5115	0.37	17.9	4972	4760	4522	4388	4240	3841				
		1005	5273	0.40	18.9	5125	4920	4692	4565	4426	4075				
20HXFL6B	3/4	1040	5456	0.45	20	5304	5106	4888	4769	4639	4329				
		1080	5666	0.50	21	5508	5318	5111	4999	4878	4601	4211			
		1115	5850	0.55	22	5686	5503	5304	5197	5083	4827	4491			
		1145	6007	0.60	23	5839	5661	5469	5366	5257	5016	4714			
		1195	6270	0.68	25	6094	5924	5742	5645	5544	5322	5062	4711		
		1235	6479	0.75	26	6298	6134	5959	5866	5770	5561	5323	5022		
		1270	6663	0.82	28	6477	6317	6148	6059	5966	5768	5544	5276		

20 HXFM

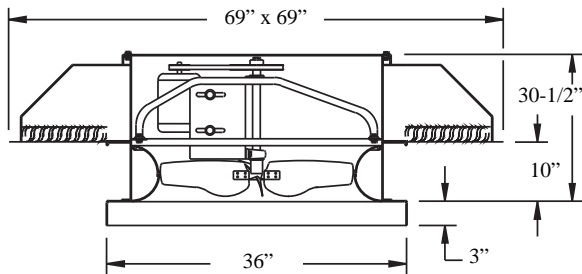
Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
20HXFM2B	1/6	800	4197	0.13	12.4	3114	2864	2582	2357	2104	1379						
		845	4433	0.15	13.8	3290	3053	2796	2632	2372	1783	1231					
		885	4643	0.17	15.1	3445	3220	2980	2840	2637	2177	1480	1082				
		900	4722	0.18	15.5	3504	3282	3048	2914	2732	2281	1579	1185				
20HXFM3B	1/4	930	4879	0.20	16.4	3621	3406	3182	3057	2908	2467	1840	1376				
		975	5115	0.23	17.9	3796	3591	3380	3266	3139	2734	2309	1658				
		1000	5246	0.25	18.6	3893	3694	3489	3379	3260	2902	2510	1841	1283			
20HXFM4B	1/3	1025	5378	0.27	19.3	3990	3796	3597	3492	3378	3065	2668	2079	1446			
		1060	5561	0.30	20	4127	3938	3747	3647	3540	3278	2878	2452	1663			
		1095	5745	0.33	21	4263	4081	3896	3800	3700	3471	3090	2746	1885			
20HXFM5B	1/2	1125	5902	0.36	22	4380	4202	4023	3931	3834	3620	3291	2936	2121			
		1165	6112	0.40	24	4535	4364	4192	4103	4012	3813	3545	3176	2529	1550		
		1215	6374	0.45	25	4730	4566	4401	4317	4231	4047	3834	3489	3005	1865		
		1255	6584	0.50	26	4886	4727	4567	4487	4404	4230	4034	3752	3266	2116		
20HXFM6B	3/4	1295	6794	0.55	28	5041	4887	4733	4655	4576	4410	4227	3996	3506	2412	1683	
		1335	7004	0.60	29	5197	5047	4898	4823	4746	4587	4416	4220	3744	2807	1940	
		1395	7319	0.68	32	5431	5287	5145	5073	5000	4851	4692	4518	4142	3408	2313	1680
		1435	7529	0.75	33	5587	5447	5308	5239	5168	5024	4873	4709	4391	3683	2586	1952
		1460	7660	0.79	34	5684	5547	5411	5342	5273	5132	4984	4826	4539	3837	2809	2110

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

24 HXFL, HXFM Data

Prop Diameter - 24 inches
Prop Type - X.STREAM
Maximum MHP = 1.5
Maximum Frame = 182T
Maximum RPM - 1126 HXFL
 1400 HXFM
Tip Speed (FPM) = 6.28 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 23.5 sq. ft.
Intake Velocity (FPM) - (CFM/23.5)
Roof Opening Square - 31-1/2 inches
Matching Curb - RCG, RCA-34
Approx. Shipping Weight - 525 lbs.



24 HXFL

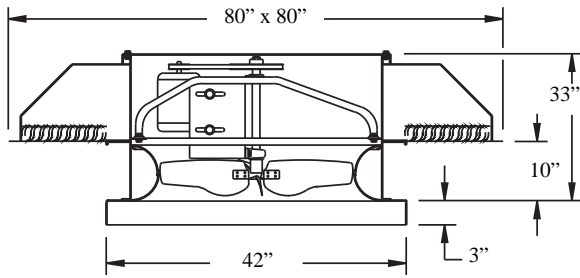
Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375			
24HXFL2B	1/6	575	3613	0.15	8.8	4773	4384	3804									
		595	3738	0.17	9.4	4939	4566	4058									
		605	3801	0.18	9.6	5022	4657	4171	3663								
24HXFL3B	1/4	625	3927	0.20	10.1	5188	4837	4387	3993								
		655	4115	0.23	11.0	5437	5104	4696	4413	3890							
		675	4241	0.25	11.5	5603	5282	4896	4647	4220							
		690	4335	0.27	11.9	5727	5414	5043	4811	4456							
24HXFL4B	1/3	720	4524	0.30	12.8	5976	5678	5332	5125	4865							
		745	4681	0.33	13.6	6184	5897	5569	5378	5152							
		765	4807	0.37	14.2	6350	6071	5756	5575	5368	4629						
24HXFL5B	1/2	785	4932	0.40	14.9	6516	6245	5942	5770	5576	4963						
		825	5184	0.45	16.1	6848	6591	6308	6151	5979	5537						
		845	5309	0.50	16.8	7014	6764	6490	6339	6176	5779	5013					
		875	5498	0.55	17.9	7263	7022	6760	6618	6466	6109	5506					
24HXFL6B	3/4	905	5686	0.60	18.9	7512	7280	7029	6894	6750	6424	5958					
		940	5906	0.68	20	7802	7579	7340	7213	7078	6779	6407	5719				
		975	6126	0.75	21	8093	7878	7650	7529	7402	7124	6795	6289				
		1005	6315	0.82	22	8342	8134	7914	7798	7677	7414	7112	6710				
24HXFL7B	1	1030	6472	0.88	23	8550	8347	8133	8021	7904	7653	7369	7022				
		1070	6723	1.00	25	8882	8687	8482	8375	8265	8029	7768	7465	6717			
		1105	6943	1.09	26	9172	8984	8787	8684	8578	8355	8110	7833	7249			

24 HXFM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
24HXFM2B	1/6	700	4398	0.14	10.8	4081	3734	3326	3089	2787	2074	1499					
		725	4555	0.15	11.4	4226	3893	3507	3287	3028	2358	1727					
		755	4744	0.17	12.3	4401	4083	3720	3515	3287	2669	2003	1520				
		770	4838	0.18	12.7	4489	4177	3824	3626	3409	2821	2170	1672				
24HXFM3B	1/4	795	4995	0.20	13.4	4634	4334	3996	3809	3606	3082	2465	1899				
		830	5215	0.23	14.4	4838	4552	4234	4059	3873	3430	2839	2226				
		855	5372	0.25	15.2	4984	4707	4401	4235	4057	3655	3094	2512	1813			
		885	5561	0.28	16.1	5159	4892	4600	4442	4274	3903	3406	2857	2089			
24HXFM4B	1/3	905	5686	0.30	16.8	5276	5015	4731	4578	4417	4063	3611	3067	2268			
		935	5875	0.33	17.7	5450	5199	4926	4781	4628	4295	3900	3373	2567			
		965	6063	0.36	18.7	5625	5382	5120	4981	4835	4521	4163	3684	2916	1854		
24HXFM5B	1/2	995	6252	0.40	19.6	5800	5565	5312	5179	5040	4741	4409	3991	3253	2168		
		1040	6535	0.45	21	6062	5838	5599	5473	5343	5065	4761	4414	3717	2574		
		1075	6754	0.50	22	6267	6049	5820	5699	5575	5311	5025	4708	4078	2912	2027	
		1105	6943	0.55	23	6441	6230	6008	5892	5772	5519	5246	4949	4388	3257	2352	
24HXFM6B	3/4	1140	7163	0.60	24	6645	6441	6227	6115	6000	5759	5500	5221	4729	3661	2674	
		1190	7477	0.68	26	6937	6742	6538	6432	6323	6096	5855	5597	5166	4182	3127	2362
		1230	7728	0.75	27	7170	6981	6785	6683	6579	6362	6133	5889	5490	4590	3578	2759
		1265	7948	0.82	29	7374	7191	7001	6902	6802	6593	6374	6141	5764	4956	3991	3074
24HXFM7B	1	1305	8200	0.90	30	7607	7430	7246	7151	7054	6855	6645	6424	6068	5352	4413	3441
		1355	8514	1.00	32	7899	7728	7552	7461	7369	7178	6979	6771	6438	5805	4924	4009
		1395	8765	1.10	33	8132	7966	7796	7708	7619	7435	7244	7045	6727	6137	5340	4472

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

Data HXFL, HXFM 30



Prop Diameter - 30 inches
Prop Type - X.STREAM
Maximum MHP = 3
Maximum Frame = 184T
Maximum RPM - 932 HXFL
 1184 HXFM
Tip Speed (FPM) = 7.85 x RPM

Base Material - 14 gauge Lorenized[®] steel
Hood Material - 18 gauge galvanized steel
Intake Area - 31.6 sq. ft.
Intake Velocity (FPM) - (CFM/31.6)
Roof Opening Square - 37-1/2 inches
Matching Curb - RCG, RCA-40
Approx. Shipping Weight - 610 lbs.

30 HXFL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375			
30HXFL3B	1/4	390	3063	0.16	5.9	6408	5589										
		420	3299	0.20	6.7	6901	6123										
		440	3456	0.23	7.3	7230	6475										
		450	3534	0.25	7.6	7394	6650										
		460	3613	0.27	8.0	7559	6824										
30HXFL4B	1/3	480	3770	0.30	8.6	7887	7171	6580									
		495	3888	0.34	9.2	8134	7431	6867									
		510	4006	0.37	9.7	8380	7690	7147									
30HXSL5B	1/2	525	4123	0.40	10.3	8627	7947	7424									
		545	4280	0.45	10.9	8955	8291	7787	7518								
		565	4437	0.50	11.6	9284	8633	8146	7895								
		585	4595	0.55	12.3	9613	8974	8501	8264								
30HXFL6B	3/4	605	4752	0.61	13.0	9941	9315	8854	8628	8387							
		625	4909	0.68	13.7	10270	9655	9205	8987	8761							
		650	5105	0.76	14.7	10681	10080	9642	9433	9220							
		670	5262	0.82	15.4	11009	10419	9989	9786	9582							
30HXFL7B	1	690	5419	0.90	16.2	11338	10757	10335	10138	9941	9521						
		715	5616	1.01	17.1	11749	11180	10767	10575	10386	9992						
		735	5773	1.09	17.8	12077	11519	11111	10924	10739	10362						
30HXFL8B	1-1/2	760	5969	1.20	18.8	12488	11940	11541	11357	11178	10818	10425					
		790	6205	1.36	20	12981	12446	12054	11876	11703	11358	10996					
		820	6440	1.51	21	13474	12951	12567	12392	12224	11893	11553	11176				
		845	6637	1.65	22	13885	13372	12993	12822	12657	12335	12009	11660				
30HXFL9B	2	870	6833	1.82	24	14296	13792	13418	13250	13089	12775	12461	12131				
		900	7069	2.00	25	14788	14296	13928	13763	13605	13300	12998	12687				
		930	7304	2.20	26	15281	14798	14438	14276	14120	13823	13531	13234	12752			

30 HXFM

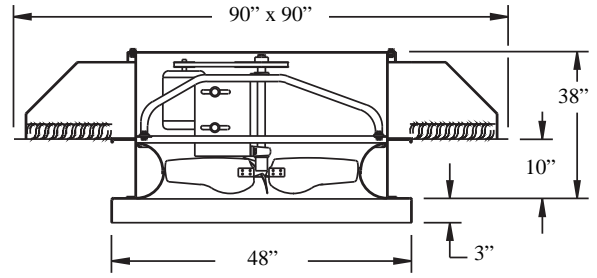
Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure												
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	
30HXFM2B	1/6	475	3731	0.14	7.4	5498	4799	4115										
		495	3888	0.15	8.1	5729	5062	4402										
		515	4045	0.17	8.7	5961	5323	4676	4355									
		525	4123	0.18	9.1	6077	5453	4811	4510									
30HXFM3B	1/4	545	4280	0.20	9.7	6308	5710	5078	4803									
		565	4437	0.23	10.4	6539	5965	5346	5081	4784								
		585	4595	0.25	11.0	6771	6219	5620	5353	5088								
30HXFM4B	1/3	600	4712	0.27	11.5	6945	6408	5825	5553	5303								
		625	4909	0.30	12.3	7234	6721	6163	5887	5650								
		645	5066	0.33	13.0	7465	6970	6431	6160	5920								
		655	5144	0.36	13.3	7581	7094	6565	6296	6053	5565							
30HXFM5B	1/2	685	5380	0.40	14.3	7928	7465	6962	6705	6453	6012							
		715	5616	0.45	15.3	8276	7834	7355	7108	6863	6432							
		730	5733	0.50	15.8	8449	8017	7550	7309	7068	6636	6185						
		760	5969	0.55	16.8	8796	8383	7937	7706	7474	7038	6638						
30HXFM6B	3/4	785	6165	0.60	17.8	9086	8687	8257	8035	7810	7370	6993						
		810	6362	0.68	18.7	9375	8989	8575	8361	8144	7711	7336	6937					
		845	6637	0.76	20	9780	9412	9018	8813	8606	8189	7806	7450					
		870	6833	0.82	21	10070	9712	9331	9134	8933	8529	8138	7799					
30HXFM7B	1	890	6990	0.90	22	10301	9952	9582	9389	9194	8798	8408	8073	7507				
		925	7265	1.00	24	10706	10372	10017	9833	9646	9266	8887	8543	8045				
		960	7540	1.10	25	11111	10790	10450	10274	10095	9730	9363	9007	8544				
30HXFM8B	1-1/2	990	7775	1.20	27	11459	11147	10819	10650	10477	10125	9769	9415	8957				
		1025	8050	1.32	29	11864	11563	11248	11085	10920	10581	10238	9895	9429				
		1060	8325	1.51	31	12269	11979	11675	11519	11359	11034	10703	10371	9894	9170			
		1095	8600	1.64	32	12674	12394	12101	11950	11797	11484	11164	10842	10365	9676			
30HXFM9B	2	1135	8914	1.81	34	13137	12867	12586	12441	12294	11994	11687	11377	10913	10232			
		1165	9150	2.01	35	13484	13222	12948	12808	12666	12374	12077	11775	11322	10638	9948		
		1180	9268	2.08	36	13658	13399	13129	12991	12851	12564	12271	11973	11525	10840	10176		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

36 HXFL, HXFM Data

Prop Diameter - 36 inches
Prop Type - X.STREAM
Maximum MHP = 3
Maximum Frame = 215T
Maximum RPM - 720 HXFL
 864 HXFM
Tip Speed (FPM) = 9.42 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 39.6 sq. ft.
Intake Velocity (FPM) - (CFM/39.6)
Roof Opening Square - 43-1/2 inches
Matching Curb - RCG, RCA-46
Approx. Shipping Weight - 840 lbs.



36 HXFL

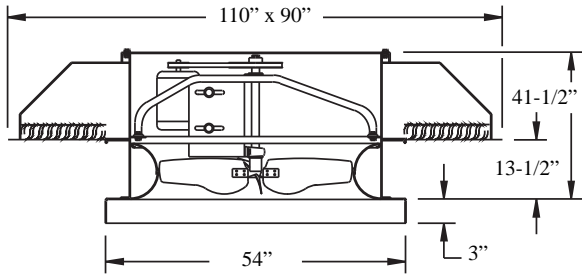
Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
36HXFL4B	1/3	355	3346	0.28	7.1	9877	8601	6780							
		375	3534	0.33	7.9	10433	9243	7751							
		385	3629	0.37	8.3	10711	9559	8135	6744						
36HXFL5B	1/2	400	3770	0.40	9.0	11129	10030	8684	7778						
		415	3911	0.46	9.6	11546	10495	9214	8495	7068					
		430	4053	0.50	10.4	11963	10956	9744	9078	7971					
		445	4194	0.55	11.2	12381	11413	10264	9629	8903					
36HXFL6B	3/4	460	4335	0.61	11.9	12798	11867	10774	10162	9521					
		475	4477	0.67	12.8	13215	12318	11276	10692	10092					
		490	4618	0.75	13.5	13633	12767	11771	11216	10639	8732				
		505	4760	0.81	14.1	14050	13214	12259	11731	11170	9778				
36HXFL7B	1	525	4948	0.90	15.0	14606	13805	12901	12405	11876	10748				
		540	5089	1.01	15.6	15024	14248	13378	12903	12398	11335	9320			
		560	5278	1.10	16.4	15580	14835	14007	13557	13081	12075	10633			
36HXFL8B	1-1/2	580	5466	1.22	17.3	16136	15419	14628	14202	13752	12788	11731			
		595	5608	1.35	17.9	16554	15857	15091	14680	14248	13318	12336	10378		
		620	5843	1.49	18.9	17249	16583	15857	15469	15063	14194	13279	12070		
		640	6032	1.64	19.8	17806	17161	16464	16093	15706	14880	13999	13043		
36HXFL9B	2	660	6220	1.85	21	18362	17739	17068	16712	16342	15555	14704	13830	11352	
		685	6456	2.02	22	19058	18459	17817	17479	17128	16385	15585	14758	12965	
		705	6644	2.19	23	19614	19034	18414	18088	17750	17039	16276	15474	14142	

36 HXFM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure										
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625
36HXFM3B	1/4	375	3534	0.19	6.9	7948	6808	5478	3727	2885						
		400	3770	0.23	7.8	8477	7406	6331	5003	3689						
		415	3911	0.25	8.3	8795	7761	6741	5896	4275						
		425	4006	0.27	8.7	9007	7996	7005	6382	4780						
36HXFM4B	1/3	440	4147	0.30	9.4	9325	8346	7390	6871	5579	3569					
		455	4288	0.33	10.0	9643	8694	7768	7294	6481	4044					
		470	4430	0.36	10.6	9961	9041	8145	7696	7161	4533					
36HXFM5B	1/2	485	4571	0.40	11.4	10279	9385	8520	8085	7615	5219	3756				
		505	4760	0.46	12.3	10703	9842	9013	8592	8169	6277	4406				
		520	4901	0.50	12.9	11021	10183	9378	8969	8565	7144	4877				
		540	5089	0.55	13.8	11445	10636	9861	9470	9079	8167	5722	4408			
36HXFM6B	3/4	555	5231	0.61	14.5	11763	10975	10220	9841	9457	8646	6506	4883			
		575	5419	0.67	15.3	12186	11424	10695	10330	9960	9212	7582	5525			
		600	5655	0.76	16.4	12716	11984	11283	10935	10583	9879	8982	6704	4805		
		610	5749	0.81	16.8	12928	12207	11517	11175	10830	10138	9349	7233	5129		
36HXFM7B	1	635	5985	0.90	18.0	13458	12764	12099	11771	11441	10773	10082	8620	5914		
		660	6220	1.00	19.1	13988	13319	12677	12361	12044	11401	10761	9951	6942		
		675	6362	1.09	19.8	14306	13651	13023	12713	12403	11778	11154	10450	7721		
36HXFM8B	1-1/2	700	6597	1.22	21	14836	14203	13595	13296	12998	12398	11794	11166	9055	5783	
		730	6880	1.35	22	15471	14863	14279	13992	13705	13132	12547	11972	10789	6726	
		755	7116	1.48	24	16001	15413	14846	14567	14290	13737	13176	12619	11692	7679	
		775	7304	1.64	25	16425	15851	15298	15026	14756	14217	13673	13126	12271	8676	6217
36HXFM9B	2	800	7540	1.82	26	16955	16398	15861	15597	15334	14812	14288	13753	12957	10006	7014
		825	7775	1.98	27	17485	16944	16422	16165	15910	15404	14896	14382	13616	11483	7803
		855	8058	2.19	29	18121	17598	17093	16844	16598	16108	15620	15127	14386	12958	9107

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

Data **HXFL, HXFM 42**



Prop Diameter - 42 inches
Prop Type - *X.STREAM*
Maximum MHP = 5
Maximum Frame = 215T
Maximum RPM - 610 HXFL
 718 HXFM
Tip Speed (FPM) = 11.0 x RPM

Base Material - 14 gauge Lorenized[®] steel
Hood Material - 18 gauge galvanized steel
Intake Area - 47.8 sq. ft.
Intake Velocity (FPM) - (CFM/47.8)
Roof Opening Square - 49-1/2 inches
Matching Curb - RCG, RCA-52
Approx. Shipping Weight - 1100 lbs.

42 HXFL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure								
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375
42HXFL4B	1/3	268	2947	0.26	7.3	11312	9222							
		282	3101	0.30	8.0	11903	10012							
		292	3211	0.33	8.5	12325	10544							
		302	3321	0.37	9.1	12748	11059							
42HXFL5B	1/2	310	3409	0.40	9.6	13085	11463							
		324	3563	0.45	10.5	13676	12154							
		334	3673	0.50	11.1	14098	12638							
		346	3804	0.55	12.0	14605	13212							
42HXFL6B	3/4	356	3914	0.60	12.7	15027	13684							
		370	4068	0.68	13.7	15618	14339	12483						
		382	4200	0.75	14.5	16124	14895	13216						
		394	4332	0.82	15.2	16631	15446	13896						
42HXFL7B	1	406	4464	0.90	16.0	17137	15995	14545						
		420	4618	1.00	16.9	17728	16630	15278	14355					
		434	4772	1.10	17.8	18319	17262	15991	15172					
42HXFL8B	1-1/2	448	4926	1.21	18.7	18910	17890	16688	15945					
		464	5102	1.34	19.8	19586	18606	17470	16792	15961				
		482	5300	1.50	21	20345	19406	18336	17715	16988				
42HXFL9B	2	496	5454	1.64	22	20936	20026	19001	18415	17747				
		512	5630	1.80	23	21612	20733	19753	19202	18587				
		530	5828	2.00	25	22372	21526	20592	20074	19507	18082			
42HXFL10B	3	546	6004	2.19	26	23047	22227	21330	20839	20305	19023			
		564	6202	2.41	27	23807	23015	22156	21690	21188	20023			
		586	6443	2.71	29	24735	23976	23157	22717	22250	21192	19802		
		606	6663	2.99	30	25580	24847	24062	23643	23201	22220	21013		
		610	6707	3.05	31	25748	25021	24243	23827	23390	22423	21243		

42 HXFM

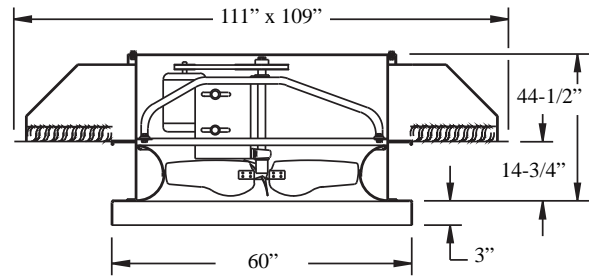
Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure											
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
42HXFM3B	1/4	286	3145	0.22	7.9	9940	8691	5656									
		300	3299	0.25	8.6	10426	9302	6504	4902								
		308	3387	0.27	9.0	10704	9637	6939	5509								
42HXFM4B	1/3	318	3497	0.30	9.6	11052	10047	7472	6211								
		330	3629	0.33	10.3	11469	10527	8113	6954	5470							
		338	3717	0.36	10.8	11747	10842	8569	7414	6082							
42HXFM5B	1/2	350	3848	0.40	11.7	12164	11309	9389	8059	6909							
		364	4002	0.45	12.6	12651	11845	10276	8805	7766							
		378	4156	0.50	13.5	13137	12376	11033	9587	8540	6094						
		390	4288	0.55	14.3	13554	12826	11624	10407	9179	7000						
42HXFM6B	3/4	400	4398	0.60	15.0	13902	13200	12090	11065	9712	7712						
		416	4574	0.67	16.0	14458	13791	12799	11989	10629	8711						
		432	4750	0.75	17.0	15014	14380	13479	12802	11723	9621	7514					
		444	4882	0.82	17.8	15431	14820	13975	13369	12479	10263	8411					
42HXFM7B	1	458	5036	0.90	18.7	15918	15330	14541	14001	13255	11007	9306	7125				
		476	5234	1.00	19.9	16543	15983	15255	14777	14157	11992	10375	8446				
		490	5388	1.10	21	17030	16489	15801	15362	14812	12937	11133	9452				
42HXFM8B	1-1/2	506	5564	1.21	22	17586	17067	16417	16015	15525	13999	11984	10457				
		526	5784	1.35	23	18281	17784	17179	16813	16379	15154	13057	11616	8966			
		544	5982	1.51	25	18907	18429	17856	17516	17124	16075	14199	12581	10315			
		560	6158	1.64	26	19463	19001	18455	18136	17772	16835	15284	13431	11340			
42HXFM9B	2	580	6377	1.81	28	20158	19715	19197	18899	18567	17739	16501	14512	12541			
		602	6619	2.01	29	20922	20498	20008	19731	19425	18687	17663	15974	13735	9949		
		618	6795	2.20	31	21478	21067	20596	20330	20041	19357	18443	17037	14586	11174		
42HXFM10B	3	636	6993	2.41	32	22104	21705	21254	21003	20728	20093	19277	18112	15547	12423		
		662	7279	2.70	34	23008	22625	22198	21963	21710	21134	20421	19475	17097	14027	10346	
		686	7543	3.00	37	23842	23474	23067	22845	22608	22074	21436	20626	18728	15371	12109	
		706	7763	3.29	38	24537	24180	23790	23578	23351	22850	22258	21532	19963	16438	13561	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan noise levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

48 HXFL, HXFM Data

Prop Diameter - 48 inches
Prop Type - X.STREAM
Maximum MHP = 5
Maximum Frame = 254T
Maximum RPM - 516 HXFL
 598 HXFM
Tip Speed (FPM) = 12.57 x RPM

Base Material - 14 gauge Lorenized[®] steel
Hood Material - 18 gauge galvanized steel
Intake Area - 59.3 sq. ft.
Intake Velocity (FPM) - (CFM/59.3)
Roof Opening Square - 55-1/2 inches
Matching Curb - RCG, RCA-58
Approx. Shipping Weight - 1200 lbs.



48 HXFL

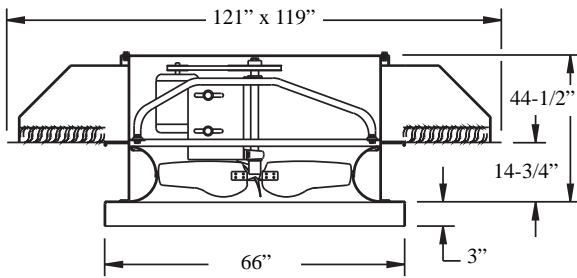
Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure										
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375		
48HXFL5B	1/2	248	3116	0.36	8.2	14569	12141									
		258	3242	0.40	8.9	15156	12947									
		268	3368	0.45	9.6	15744	13705									
		278	3493	0.50	10.4	16331	14431									
		284	3569	0.53	11.0	16684	14856									
48HXFL6B	3/4	290	3644	0.60	11.4	17036	15273	11244								
		304	3820	0.68	12.7	17858	16228	12488								
		314	3946	0.75	13.6	18446	16896	13398								
		322	4046	0.82	14.3	18916	17425	14228	12374							
48HXFL7B	1	334	4197	0.91	15.3	19621	18207	15579	13437							
		346	4348	1.00	16.1	20326	18980	16766	14514							
		356	4474	1.10	16.7	20913	19620	17606	15463	13844						
48HXFL8B	1-1/2	368	4624	1.21	17.4	21618	20381	18551	16820	14908						
		384	4825	1.36	18.5	22558	21388	19748	18487	16356						
		398	5001	1.51	19.4	23380	22263	20753	19682	17843						
		406	5102	1.64	20	23850	22760	21314	20321	18746	15537					
48HXFL9B	2	420	5278	1.80	21	24673	23627	22279	21390	20189	16776					
		436	5479	2.00	22	25613	24615	23359	22564	21562	18209					
		448	5630	2.16	23	26318	25351	24155	23416	22512	19316					
48HXFL10B	3	462	5806	2.40	24	27140	26207	25075	24389	23574	20881	18086				
		482	6057	2.71	25	28315	27428	26373	25749	25030	23027	19865				
		498	6258	3.02	27	29255	28402	27398	26816	26157	24447	21326	19096			
		514	6459	3.30	28	30195	29371	28417	27869	27259	25739	23056	20512			

48 HXFM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure												
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	
48HXFM4B	1/3	254	3192	0.25	7.4	12098	10287	6016										
		260	3267	0.27	7.8	12384	10644	6371	5165									
48HXFM4B	1/3	270	3393	0.30	8.5	12860	11224	7002	5896									
		278	3493	0.33	9.1	13241	11676	8208	6375									
		286	3594	0.36	9.7	13622	12121	8903	6845	5753								
48HXFM5B	1/2	298	3745	0.40	10.6	14194	12776	9777	7574	6596								
		310	3896	0.46	11.7	14765	13421	10664	9039	7305								
		320	4021	0.50	12.5	15241	13951	11690	9972	7899								
		330	4147	0.55	13.3	15718	14477	12618	10704	8530	6623							
48HXFM6B	3/4	340	4273	0.60	14.0	16194	14998	13343	11419	9973	7361							
		354	4448	0.68	14.8	16861	15722	14230	12681	11182	8203							
		366	4599	0.76	15.4	17432	16338	14953	13852	12048	8910	7162						
		378	4750	0.82	16.1	18004	16951	15653	14777	12925	9649	8081						
48HXFM7B	1	390	4901	0.90	16.7	18575	17559	16336	15551	14121	11043	8831						
		400	5027	1.00	17.3	19052	18065	16894	16167	15092	12246	9418	7766					
		416	5228	1.10	18.3	19814	18870	17773	17117	16314	13438	10372	8987					
48HXFM8B	1-1/2	430	5404	1.20	19.1	20481	19571	18529	17922	17209	14438	11416	9837					
		446	5605	1.36	20	21243	20369	19383	18820	18180	15855	13595	10778					
		462	5806	1.50	21	22005	21165	20227	19701	19116	17437	14800	11755	9830				
48HXFM9B	2	476	5982	1.64	22	22672	21858	20959	20461	19914	18546	15803	13228	10717				
		490	6158	1.80	23	23338	22550	21686	21212	20696	19461	16848	15007	11541				
		508	6384	2.00	25	24196	23438	22613	22166	21685	20574	18689	16350	12612				
48HXFM10B	3	522	6560	2.20	26	24863	24127	23331	22902	22444	21407	19970	17352	13503	10490			
		540	6786	2.41	28	25720	25010	24247	23839	23409	22448	21254	18774	16105	11792			
		562	7062	2.71	30	26768	26087	25361	24976	24572	23687	22639	21003	17846	13103			
		578	7263	3.00	32	27530	26869	26169	25797	25410	24571	23601	22373	19000	14046	11264		
		600	7540	3.29	34	28578	27943	27272	26920	26553	25769	24884	23827	20625	15410	12940		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

Data HXFL, HXFM 54



Prop Diameter - 54 inches
Prop Type - X.STREAM
Maximum MHP = 5
Maximum Frame = 256T
 522 HXFM
Tip Speed (FPM) = 14.14 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 70.3 sq. ft.
Intake Velocity (FPM) - (CFM/70.3)
Roof Opening Square - 61-1/2 inches
Matching Curb - RCG, RCA-64
Approx. Shipping Weight - 1345 lbs.

54 HXFL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure									
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	
54HXFL5B	1/2	198	2799	0.42	6.2	17588	14776								
		204	2884	0.45	6.5	18121	15449								
		212	2997	0.51	6.9	18832	16315								
		218	3082	0.55	7.3	19365	16948								
54HXFL6B	3/4	226	3195	0.61	7.7	20076	17775								
		234	3308	0.67	8.2	20786	18588								
		244	3449	0.76	8.9	21675	19589								
		248	3506	0.80	9.2	22030	19985								
54HXFL7B	1	254	3591	0.91	9.6	22563	20576	16796							
		264	3732	1.00	10.4	23451	21552	18878							
		272	3845	1.08	11.1	24162	22327	19959							
54HXFL8B	1-1/2	278	3930	1.20	11.6	24695	22905	20666	17679						
		292	4128	1.36	12.8	25939	24244	22232	20545						
		304	4298	1.51	13.9	27005	25384	23516	22302						
		308	4354	1.63	14.3	27360	25762	23937	22776	19915					
54HXFL9B	2	322	4552	1.82	15.6	28603	27080	25382	24366	22893					
		334	4722	2.01	16.6	29669	28205	26597	25669	24548					
		344	4863	2.18	17.2	30558	29138	27597	26726	25713					
54HXFL10B	3	352	4976	2.44	17.7	31268	29883	28389	27556	26610	22407				
		366	5174	2.69	18.7	32512	31182	29763	28987	28132	25312				
		382	5400	3.01	19.9	33933	32661	31318	30595	29813	27900				
		392	5542	3.23	21	34822	33583	32282	31587	30845	29093				
54HXFL11B	5	420	5938	4.02	23	37309	36156	34957	34328	33669	32203	30249			
		432	6107	4.51	24	38375	37255	36095	35489	34857	33476	31787	27554		
		450	6362	4.99	25	39974	38899	37792	37218	36623	35346	33862	31364		
		466	6588	5.47	26	41395	40358	39293	38743	38178	36975	35618	33943		

54 HXFM

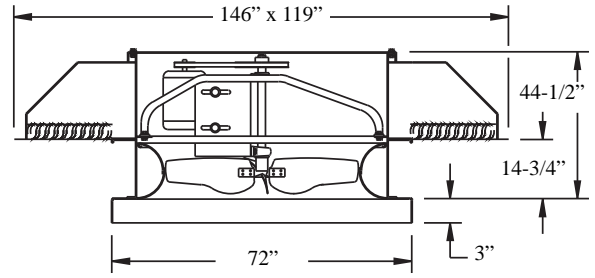
Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure												
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	
54HXFM5B	1/2	200	2827	0.35	6.8	16223	13542	8098										
		208	2941	0.41	7.3	16872	14491	9369	7090									
		216	3054	0.45	7.8	17521	15363	10488	7962									
		222	3138	0.50	8.2	18007	15984	11279	8804	7098								
54HXFM6B	3/4	230	3252	0.55	8.7	18656	16782	12254	10078	8001								
		236	3336	0.60	9.1	19143	17362	12948	10969	8648								
		248	3506	0.68	9.8	20116	18493	14326	12584	10403								
		254	3591	0.74	10.3	20603	19046	15029	13330	11363								
54HXFM7B	1	262	3704	0.81	10.8	21252	19774	16158	14263	12499	8847							
		272	3845	0.90	11.5	22063	20670	17669	15411	13828	9931							
		284	4015	1.01	12.5	23037	21733	19295	16805	15276	11635							
54HXFM8B	1-1/2	290	4100	1.10	13.0	23523	22258	20016	17626	15968	12598	9561						
		298	4213	1.20	13.7	24172	22957	20922	18840	16886	13802	10445						
		312	4411	1.36	15.0	25308	24167	22405	20861	18517	15698	12154						
		322	4552	1.49	16.0	26119	25026	23411	22115	19959	16946	13726	10958					
54HXFM9B	2	330	4665	1.63	16.7	26768	25711	24194	23039	21176	17879	14980	11825					
		342	4835	1.80	17.8	27741	26731	25338	24340	22882	19257	16647	13347					
		354	5005	2.01	18.7	28715	27747	26458	25576	24376	20639	18217	15240	11576				
54HXFM10B	3	364	5146	2.19	19.5	29526	28592	27372	26568	25517	21879	19414	16767	12688				
		376	5316	2.39	20	30499	29604	28458	27725	26806	23687	20800	18418	14015				
		392	5542	2.68	22	31797	30944	29885	29229	28438	26026	22638	20472	16429				
		404	5711	2.99	23	32770	31947	30942	30332	29615	27578	24052	21878	18322				
54HXFM11B	5	418	5909	3.29	24	33906	33115	32166	31604	30952	29208	26119	23487	20272	14399			
		450	6362	4.04	27	36502	35777	34930	34446	33905	32576	30626	27415	24265	18548			
		464	6560	4.53	28	37637	36937	36131	35671	35166	33957	32277	29543	25876	20785	15732		
		480	6786	4.99	30	38935	38260	37493	37063	36593	35490	34037	31862	27714	23046	17466		
		494	6984	5.39	31	40071	39416	38679	38270	37826	36800	35496	33678	29362	24910	19320		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

60 HXFL, HXFM Data

Prop Diameter - 60 inches
Prop Type - X.STREAM
Maximum MHP = 7.5
Maximum Frame = 256T
Maximum RPM - 450 HXFL
 476 HXFM
Tip Speed (FPM) = 15.71 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 81 sq. ft.
Intake Velocity (FPM) - (CFM/81)
Roof Opening Square - 67-1/2 inches
Matching Curb - RCG, RCA-70
Approx. Shipping Weight - 1700 lbs.



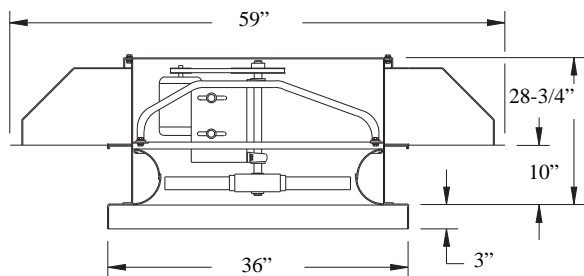
60 HXFL

Catalog Number	HP	RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure								
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375
60HXFL7B	1	194	3047	0.77	7.9	24409	21308							
		206	3236	0.91	8.7	25919	23099							
		212	3330	0.99	9.2	26674	23973							
		218	3424	1.10	9.6	27428	24836	19940						
60HXFL8B	1-1/2	226	3550	1.23	10.2	28435	25971	21711						
		234	3676	1.36	10.8	29442	27091	23381						
		242	3801	1.50	11.5	30448	28201	24901	21922					
		248	3896	1.62	12.0	31203	29026	25937	23244					
60HXFL9B	2	258	4053	1.82	12.9	32461	30392	27582	25405					
		266	4178	2.00	13.7	33468	31476	28847	26998	24206				
		274	4304	2.19	14.5	34474	32555	30080	28440	25979				
		284	4461	2.43	15.5	35732	33894	31585	30114	28112				
60HXFL10B	3	294	4618	2.69	16.5	36991	35228	33059	31721	30065				
		304	4775	2.98	17.4	38249	36553	34506	33273	31810	27294			
		314	4932	3.29	18.4	39507	37874	35934	34787	33460	29469			
		336	5278	4.02	20	42275	40765	39019	38020	36904	34060			
60HXFL11B	5	348	5466	4.48	21	43785	42333	40675	39741	38710	36217	32266		
		362	5686	5.04	23	45546	44157	42591	41719	40770	38543	35327		
		372	5843	5.46	24	46805	45458	43948	43115	42215	40142	37369	33365	
		384	6032	6.02	25	48314	47014	45570	44778	43929	42006	39617	35966	
60HXFL12B	7-1/2	398	6252	6.70	26	50076	48824	47447	46701	45904	44125	41993	39003	
		414	6503	7.53	27	52089	50890	49583	48877	48134	46492	44577	42191	36927
		426	6692	8.21	29	53599	52436	51176	50501	49788	48235	46454	44320	39470

60 HXFM

Catalog Number	HP	Fan RPM	Tip Speed	Max. BHP	Sones*	CFM at Static Pressure										
						0.0	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625
60HXFM6B	3/4	230	3613	0.69	11.3	21726	19720	16286	14376	12503						
		236	3707	0.75	11.8	22293	20331	17448	15209	13459						
		242	3801	0.81	12.3	22860	20939	18611	16043	14346						
60HXFM7B	1	252	3958	0.91	13.2	23804	21948	20080	17453	15755	11135					
		262	4115	1.01	14.1	24749	22951	21218	19119	17143	13599					
		268	4210	1.10	14.6	25316	23550	21882	20338	17979	14836					
60HXFM8B	1-1/2	276	4335	1.20	15.4	26072	24348	22751	21695	19111	16064					
		288	4524	1.36	16.5	27205	25539	24029	23169	21152	17777	13686				
		298	4681	1.51	17.5	28150	26529	25078	24286	23067	19166	16322				
		306	4807	1.63	18.3	28905	27319	25908	25157	24255	20277	17577	13321			
60HXFM9B	2	316	4964	1.80	19.3	29850	28304	26940	26229	25439	21682	19033	15133			
		328	5152	2.01	20	30984	29482	28167	27496	26774	23482	20710	18133			
		338	5309	2.20	21	31928	30463	29183	28540	27861	25532	22098	19670			
60HXFM10B	3	348	5466	2.40	22	32873	31442	30194	29574	28928	27267	23492	21110	15687		
		362	5686	2.70	24	34195	32809	31603	31010	30403	29044	25497	23061	19487		
		374	5875	2.98	25	35329	33979	32805	32233	31651	30393	27764	24727	21410		
		386	6063	3.27	26	36462	35147	34002	33448	32890	31706	29997	26410	23165		
60HXFM11B	5	414	6503	3.98	29	39107	37866	36782	36262	35745	34687	33519	31277	27069	21419	
		430	6754	4.53	31	40619	39415	38363	37860	37362	36355	35279	33943	29307	24439	
		444	6974	4.98	32	41941	40770	39743	39253	38770	37801	36785	35645	31325	26504	19507
		460	7226	5.51	34	43453	42317	41315	40839	40372	39440	38480	37440	34402	28753	23022
60HXFM12B	7-1/2	472	7414	5.99	36	44586	43475	42493	42027	41569	40662	39737	38751	36612	30418	25941
		476	7477	6.15	36	44964	43861	42885	42422	41967	41068	40154	39185	37256	30973	26585

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 24 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 3
Maximum Frame = 182T
Maximum RPM - 1675
Tip Speed (FPM) = 6.28 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 14.9 sq. ft.
Outlet Velocity (FPM) - (CFM/14.9)
Roof Opening Square - 31-1/2 inches
Matching Curb - RCG, RCA-34
Approx. Shipping Weight - 480 lbs.

24 HEE

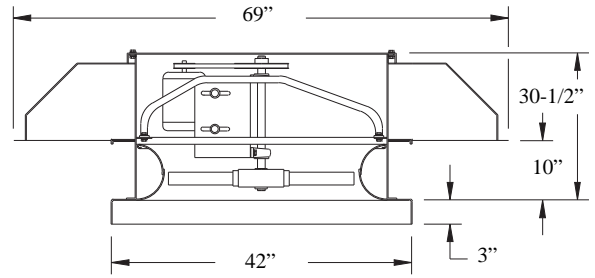
Catalog No.	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
24HEE3B	1/4	755	4744	0.23	11.3	4432	3637	2602					
		770	4838	0.25	11.7	4520	3743	2750					
		795	4995	0.28	12.4	4667	3919	3001					
24HEE4B	1/3	825	5184	0.31	13.2	4843	4126	3285	1483	848			
		845	5309	0.33	13.7	4961	4263	3464	1614	1030			
		875	5498	0.37	14.5	5137	4466	3714	2659	1259			
24HEE5B	1/2	940	5906	0.46	16.4	5518	4900	4214	3337	1637	1112		
		970	6095	0.50	17.3	5695	5098	4436	3639	1824	1348		
		1000	6238	0.55	18.2	5871	5294	4656	3927	2915	1540		
24HEE6B	3/4	1085	6817	0.70	20	6370	5843	5266	4654	3848	2043		
		1110	6974	0.75	21	6517	6002	5442	4849	4102	3114		
		1145	7194	0.83	22	6722	6225	5685	5115	4443	3618	1968	
24HEE7B	1	1170	7351	0.88	22	6869	6383	5858	5301	4676	3881	2118	
		1190	7477	0.93	23	6986	6509	5995	5448	4855	4078	2248	
		1220	7665	1.00	24	7162	6698	6199	5667	5112	4374	3488	
		1260	7917	1.10	25	7397	6949	6468	5958	5431	4774	4025	1920
24HEE8B	1-1/2	1335	8388	1.31	28	7837	7416	6967	6493	6002	5468	4776	2348
		1365	8577	1.40	28	8014	7602	7165	6704	6224	5723	5079	2535
		1395	8765	1.49	29	8190	7787	7361	6912	6444	5964	5372	3732
		1440	9048	1.64	31	8454	8065	7654	7223	6772	6313	5790	4482
24HEE9B	2	1470	9236	1.75	32	8630	8249	7848	7427	6988	6541	6056	4807
		1500	9425	1.86	33	8806	8433	8042	7631	7203	6766	6309	5107
		1540	9676	2.01	34	9041	8678	8298	7901	7487	7061	6626	5500
		1585	9959	2.19	36	9305	8953	8585	8201	7802	7389	6974	5952

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

30 HEE Data

Prop Diameter - 30 inches
Prop Type - Extruded
 Aluminum Airfoil
Maximum MHP = 5
Maximum Frame = 184T
Maximum RPM -1295
Tip Speed (FPM) = 7.85 x RPM

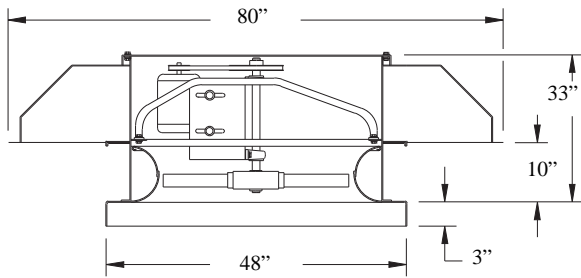
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 20.5 sq. ft.
Outlet Velocity (FPM) - (CFM/20.5)
Roof Opening Square - 37-1/2 inches
Matching Curb - RCG, RCA-40
Approx. Shipping Weight - 560 lbs.



30 HEE

Catalog No.	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
30HEE4B	1/3	560	4396	0.28	11.1	6063	4559	2434					
		570	4475	0.30	11.2	6171	4698	2697					
		590	4632	0.33	11.8	6387	4970	3113					
		620	4867	0.38	12.8	6712	5370	3672					
30HEE5B	1/2	655	5142	0.45	14.0	7091	5827	4298	2078				
		680	5338	0.50	14.9	7362	6149	4737	2771				
		700	5495	0.55	15.5	7578	6402	5074	3347				
30HEE6B	3/4	750	5888	0.68	17.3	8120	7028	5848	4327	2295			
		775	6084	0.75	18.2	8390	7336	6209	4780	2804			
		800	6280	0.83	19.2	8661	7642	6559	5225	3667			
30HEE7B	1	825	6476	0.90	20	8931	7945	6901	5666	4217	2366		
		855	6712	1.01	21	9256	8306	7305	6176	4793	2850		
		880	6908	1.10	22	9527	8605	7637	6580	5251	3662		
30HEE8B	1-1/2	910	7144	1.21	24	9852	8962	8030	7036	5789	4459	2685	
		945	7418	1.36	25	10231	9375	8482	7544	6408	5153	3312	
		980	7693	1.52	27	10609	9785	8928	8036	7011	5801	4497	
		1005	7889	1.64	28	10880	10077	9244	8379	7420	6251	5055	
30HEE9B	2	1040	8164	1.81	29	11259	10483	9682	8851	7964	6873	5736	2945
		1075	8439	2.00	30	11638	10888	10117	9316	8480	7486	6381	3489
		1110	8714	2.20	32	12017	11291	10546	9775	8978	8076	7009	4506
30HEE10B	3	1145	8988	2.42	34	12396	11693	10973	10229	9464	8632	7630	5510
		1190	9342	2.72	36	12883	12207	11517	10805	10075	9307	8413	6418
		1230	9656	3.00	37	13316	12662	11996	11311	10608	9882	9074	7162
		1270	9970	3.30	39	13749	13116	12473	11812	11134	10441	9696	7885

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 36 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM - 1125
Tip Speed (FPM) = 9.42 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 28 sq. ft.
Outlet Velocity (FPM) - (CFM/28)
Roof Opening Square - 43-1/2 inches
Matching Curb - RCG, RCA-46
Approx. Shipping Weight - 780 lbs.

36 HEE

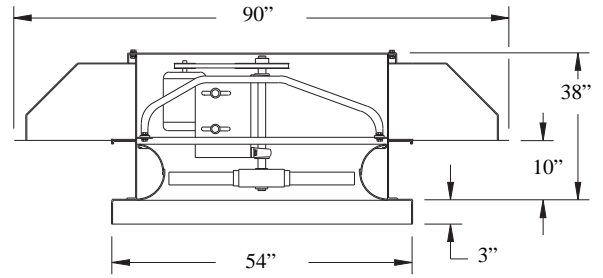
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
36HEE4B	1/3	400	3770	0.21	9.0	7044	4522						
		445	4194	0.29	10.6	7836	5699	2447					
		480	4524	0.36	12.0	8452	6509	3814					
36HEE5B	1/2	530	4995	0.49	13.9	9333	7602	5351	2531				
		550	5184	0.55	15.1	9685	8027	5930	3198				
36HEE6B	3/4	595	5607	0.70	17.3	10477	8963	7208	4908	2453			
		630	5938	0.83	18.6	11094	9673	8076	5992	3488			
36HEE7B	1	670	6315	0.99	19.7	11798	10471	9006	7158	5089			
		690	6503	1.09	22	12150	10865	9455	7750	5764	3431		
36HEE8B	1-1/2	765	7209	1.48	25	13471	12322	11080	9732	8016	6234		
		790	7446	1.63	26	13911	12801	11608	10326	8750	7029	5045	
36HEE9B	2	845	7964	2.00	29	14880	13846	12748	11578	10285	8664	7057	3566
		870	8200	2.18	31	15320	14318	13257	12130	10913	9388	7841	4260
36HEE10B	3	915	8624	2.54	33	16112	15162	14162	13102	11989	10698	9182	5946
		965	9095	2.98	36	16993	16094	15154	14164	13130	12011	10641	7797
		1000	9425	3.32	38	17609	16743	15840	14894	13906	12862	11654	8913
36HEE11B	5	1070	10085	4.06	40	18842	18034	17197	16327	15417	14480	13475	10993
		1145	10791	4.97	43	20162	19410	18633	17830	16996	16135	15246	13182
		1185	11168	5.52	46	20867	20140	19392	18621	17823	16995	16151	14287

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

HEE 42 Data

Prop Diameter - 42 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM - 880
Tip Speed (FPM) = 11.00 x RPM

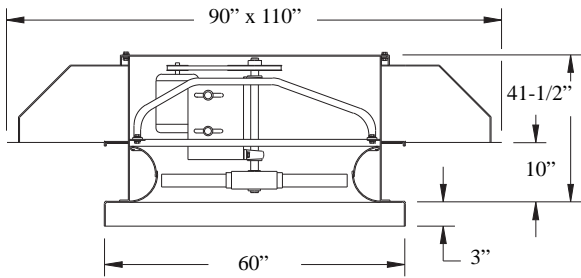
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 35.5 sq. ft.
Outlet Velocity (FPM) - (CFM/35.5)
Roof Opening Square - 49-1/2 inches
Matching Curb - RCG, RCA-52
Approx. Shipping Weight - 1020 lbs.



42 HEE

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
42HEE5B	1/2	340	3738	0.32	9.3	10451	6846							
		375	4123	0.43	10.9	11527	8408	3638						
		415	4563	0.58	12.8	12756	10033	5600						
42HEE6B	3/4	445	4893	0.71	14.4	13678	11145	7797	3933					
		475	5223	0.86	16.0	14600	12185	9403	5021					
42HEE7B	1	495	5443	0.98	17.1	15215	12859	10337	5901					
		520	5718	1.14	18.5	15984	13694	11447	7845	4774				
42HEE8B	1-1/2	555	6103	1.39	20	17059	14861	12921	10139	6048				
		575	6322	1.54	21	17674	15528	13726	11187	7010				
		595	6542	1.71	23	18289	16193	14500	12143	8625	5825			
42HEE9B	2	630	6927	2.03	25	19365	17359	15786	13721	11067	7162			
		655	7202	2.28	26	20133	18188	16660	14796	12466	8751	6496		
42HEE10B	3	690	7587	2.67	28	21209	19348	17849	16243	14159	11458	7839		
		720	7917	3.03	30	22131	20338	18853	17425	15514	13281	9806	6154	
		740	8137	3.29	31	22746	20994	19520	18183	16387	14326	11443	6921	
42HEE11B	5	775	8522	3.78	33	23822	22142	20687	19454	17867	15995	13762	8175	
		805	8851	4.23	36	24744	23122	21686	20501	19086	17346	15411	9446	
		835	9181	4.73	38	25666	24098	22686	21521	20260	18651	16871	11643	
		880	9676	5.54	41	27049	25555	24184	23029	21932	20531	18920	14966	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 48 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 10
Maximum Frame = 254T
Maximum RPM - 822
Tip Speed (FPM) = 12.57 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 43.2 sq. ft.
Outlet Velocity (FPM) - (CFM/43.2)
Roof Opening Square - 55-1/2 inches
Matching Curb - RCG, RCA-58
Approx. Shipping Weight - 1110 lbs.

48 HEE

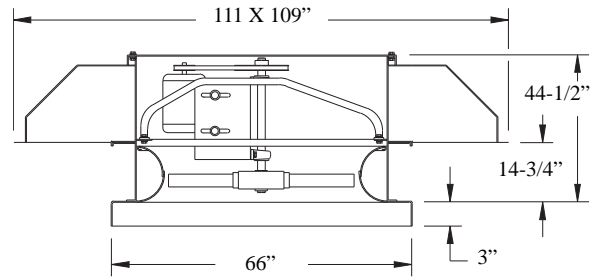
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
48HEE6B	3/4	274	2443	0.27	8.5	11922	6515							
		300	3770	0.40	9.8	13054	8561							
		324	4072	0.51	11.0	14098	10173	4071						
		356	4474	0.67	12.8	15490	12075	6976						
48HEE7B	1	410	5152	1.00	16.1	17840	14954	11002	6118					
		426	5353	1.14	17.2	18536	15780	12234	7503					
48HEE8B	1-1/2	460	5781	1.45	19.4	20015	17501	14499	10305	5936				
		484	6082	1.69	21	21060	18691	15959	11974	7920				
48HEE9B	2	524	6585	2.12	24	22800	20636	18205	15147	11421	7474			
		540	6786	2.34	25	23496	21403	19060	16244	12486	8760			
48HEE10B	3	570	7163	2.77	27	24802	22830	20636	18169	14736	11638	7860		
		606	7615	3.32	29	26368	24521	22498	20314	17556	14110	10985		
48HEE11B	5	640	8042	3.91	32	27848	26105	24222	22201	19834	16704	13870	7148	
		676	8495	4.62	35	29414	27768	26016	24116	22065	19520	16297	10504	
		714	8972	5.42	38	31067	29512	27876	26101	24263	22076	19372	14133	
48HEE12B	7-1/2	750	9425	6.30	41	32634	31157	29614	27953	26227	24321	22044	16750	
		776	9751	6.97	44	33765	32339	30857	29272	27606	25859	23787	18499	
		822	10330	8.30	48	35767	34422	33035	31570	30011	28433	26667	22168	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

54 HEE Data

Prop Diameter - 54 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 776
Tip Speed (FPM) = 14.14 x RPM

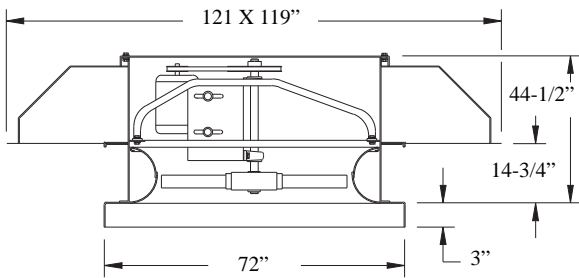
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 54.3 sq. ft.
Outlet Velocity (FPM) - (CFM/54.3)
Roof Opening Square - 61-1/2 inches
Matching Curb - RCG, RCA-64
Approx. Shipping Weight - 1235 lbs.



54 HEE

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
54HEE7B	1	246	3478	0.32	8.9	15422	8134							
		280	3958	0.51	11.0	17553	11866							
		322	4552	0.78	13.7	20186	15375	7894						
		364	5146	1.13	16.5	22819	18943	13672						
54HEE8B	1-1/2	396	5598	1.45	18.9	24825	21448	16782	9865					
		418	5909	1.71	21	26205	23034	18633	12975	7065				
54HEE9B	2	444	6277	2.04	23	27834	24862	20789	16516	9884				
		458	6475	2.24	24	28712	25833	21963	18102	11479	6692			
54HEE10B	3	492	6955	2.79	27	30844	28168	24861	21150	16267	10578			
		518	7323	3.25	29	32474	29935	27058	23324	19726	13614	9341		
54HEE11B	5	554	7832	3.98	32	34730	32358	29883	26318	23210	18720	13235		
		584	8256	4.66	35	36611	34362	32067	28860	25757	22608	17332	9107	
		614	8680	5.42	38	38492	36354	34189	31422	28246	25480	21473	12494	
54HEE12B	7-1/2	644	9104	6.25	40	40372	38334	36277	33924	30750	28050	25217	15788	
		670	9472	7.04	43	42002	40044	38071	35962	32952	30216	27683	19370	
		694	9811	7.83	46	43507	41616	39714	37740	35006	32206	29758	22761	
		704	9953	8.17	47	44134	42270	40395	38464	35859	33033	30604	24118	
54HEE13B	10	744	10518	9.62	51	46642	44878	43107	41310	39202	36409	33932	29157	
		776	10970	10.93	55	48648	46958	45260	43546	41702	39145	36590	32172	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 60 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 636
Tip Speed (FPM) = 15.71 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Outlet Area - 64.8 sq. ft.
Outlet Velocity (FPM) - (CFM/64.8)
Roof Opening Square - 67-1/2 inches
Matching Curb - RCG, RCA-70
Approx. Shipping Weight - 1550 lbs.

60 HEE

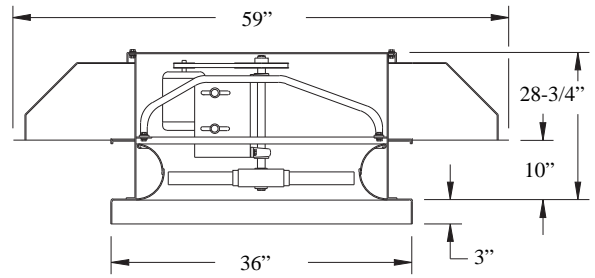
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
60HEE7B	1	242	3801	0.60	10.6	20703	13210							
		274	4304	0.88	13.0	23441	17339							
		298	4681	1.13	14.7	25494	19814	10350						
60HEE8B	1-1/2	318	4995	1.38	16.3	27205	21655	15910						
		342	5372	1.71	18.3	29258	23812	18654						
60HEE9B	2	362	5686	2.02	19.9	30969	25632	21207	11977					
		376	5906	2.27	21	32167	26952	23100	17100					
60HEE10B	3	404	6346	2.82	24	34562	29681	26313	21183	11233				
		424	6660	3.26	26	36273	31674	28266	23454	15413	6494			
60HEE11B	5	448	7037	3.85	28	38327	34061	30470	26612	22280	11902			
		468	7351	4.38	30	40038	36024	32268	29235	24626	15601	7659		
		482	7571	4.79	31	41235	37376	33526	30872	26188	20916	11332		
		500	7854	5.35	33	42775	39098	35160	32759	28388	24785	14673		
60HEE12B	7-1/2	526	8262	6.23	36	44999	41550	37573	35245	31905	27838	22011		
		544	8545	6.89	38	46539	43225	39290	36894	34204	29879	26617		
		558	8765	7.44	40	47737	44521	40658	38157	35810	31608	28446		
		574	9016	8.10	41	49106	45998	42240	39594	37485	33756	30252		
60HEE13B	10	592	9299	8.88	43	50646	47645	44030	41211	39247	36192	32267	19739	
		606	9519	9.53	45	51843	48919	45432	42478	40571	37967	33951	24708	
		620	9739	10.20	47	53041	50189	46826	43758	41856	39601	35784	29351	
		636	9990	11.01	49	54410	51637	48409	45239	43311	41320	37968	31821	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

24 HES Data

Prop Diameter - 24 inches
Prop Type - Extruded
 Aluminum Airfoil
Maximum MHP = 3
Maximum Frame = 182T
Maximum RPM - 1630
Tip Speed (FPM) = 6.28 x RPM

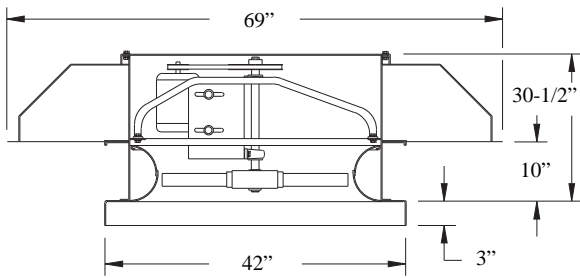
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 14.9 sq. ft.
Intake Velocity (FPM) - (CFM/14.9)
Roof Opening Square - 31-1/2 inches
Matching Curb - RCG, RCA-34
Approx. Shipping Weight - 480 lbs.



24 HES

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
24HES3B	1/4	790	4964	0.26	14.3	4781	4191	2817	1349				
		800	5027	0.27	14.6	4842	4276	2897	1481				
		815	5121	0.29	15.0	4933	4391	3015	1671				
24HES4B	1/3	845	5309	0.32	15.9	5114	4612	3260	1988				
		870	5466	0.35	16.7	5266	4789	3503	2206				
		895	5623	0.38	17.4	5417	4961	3803	2443	1310			
24HES5B	1/2	950	5969	0.45	19.2	5750	5329	4448	3292	2034			
		990	6220	0.52	21	5992	5594	4798	3629	2422	1305		
		1035	6503	0.59	22	6264	5886	5155	3993	2839	1945		
24HES6B	3/4	1085	6817	0.68	23	6567	6209	5618	4517	3671	2510	1438	
		1135	7131	0.78	25	6869	6531	6075	5147	4126	2952	2146	
		1175	7383	0.87	26	7112	6786	6381	5557	4442	3435	2614	
24HES7B	1	1215	7634	0.96	27	7354	7039	6664	5897	4794	4130	2989	1154
		1260	7917	1.07	29	7626	7324	6977	6253	5306	4542	3391	1768
		1295	8137	1.16	30	7838	7545	7213	6541	5752	4816	3916	2271
24HES8B	1-1/2	1345	8451	1.30	32	8140	7859	7546	7048	6304	5234	4671	2893
		1385	8702	1.42	33	8383	8110	7812	7401	6662	5646	5013	3293
		1435	9016	1.58	35	8685	8423	8138	7785	7064	6269	5407	3728
		1485	9331	1.75	37	8988	8735	8462	8140	7463	6861	5839	4321
24HES9B	2	1540	9676	1.95	39	9321	9078	8817	8524	8006	7375	6459	5263
		1590	9990	2.14	42	9623	9388	9139	8860	8468	7785	7093	5716
		1630	10242	2.32	43	9865	9636	9395	9127	8783	8100	7552	6030

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 30 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 5
Maximum Frame = 184T
Maximum RPM - 1330
Tip Speed (FPM) = 7.85 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 20.5 sq. ft.
Intake Velocity (FPM) - (CFM/20.5)
Roof Opening Square - 37-1/2 inches
Matching Curb - RCG, RCA-40
Approx. Shipping Weight - 560 lbs.

30 HES

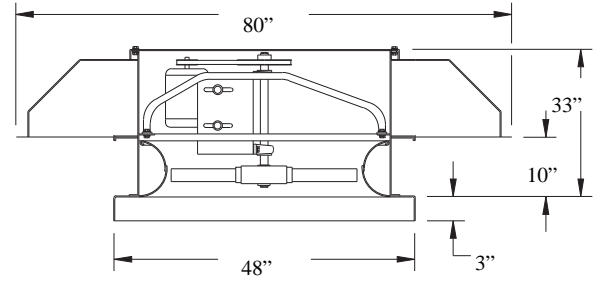
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
30HES4B	1/3	575	4516	0.29	13.2	6487	5002	3099						
		600	4712	0.33	14.2	6769	5378	3664						
		620	4869	0.37	15.0	6995	5714	4038						
30HES5B	1/2	670	5262	0.47	17.0	7559	6568	4882	2834					
		705	5537	0.55	18.6	7954	7097	5436	3817	1664				
30HES6B	3/4	780	6126	0.74	22	8800	8120	6576	5306	3431	1702			
		810	6362	0.83	24	9139	8507	7026	5807	4292	2341			
30HES7B	1	850	6676	0.96	26	9590	9011	7628	6447	5211	3292			
		870	6833	1.03	27	9816	9258	7959	6759	5587	3784	2178		
		890	6990	1.10	28	10041	9504	8317	7067	5943	4332	2626		
30HES8B	1-1/2	965	7579	1.41	32	10888	10413	9561	8199	7184	6105	4452		
		990	7775	1.52	33	11170	10713	9935	8574	7578	6556	5197		
		1015	7972	1.63	35	11452	11011	10294	8950	7966	6987	5850	2744	
30HES9B	2	1065	8364	1.89	37	12016	11602	10980	9738	8727	7810	6833	3921	
		1095	8600	2.05	39	12354	11956	11378	10275	9178	8286	7365	4650	
		1120	8796	2.20	40	12636	12251	11702	10710	9554	8677	7791	5306	
30HES10B	3	1200	9425	2.70	45	13539	13185	12717	11982	10757	9897	9085	7329	
		1245	9778	3.01	48	14047	13708	13273	12634	11518	10573	9785	8165	
		1285	10092	3.31	51	14498	14173	13763	13188	12225	11173	10395	8857	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

36 HES Data

Prop Diameter - 36 inches
Prop Type - Extruded
 Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM - 1165
Tip Speed (FPM) = 9.42 x RPM

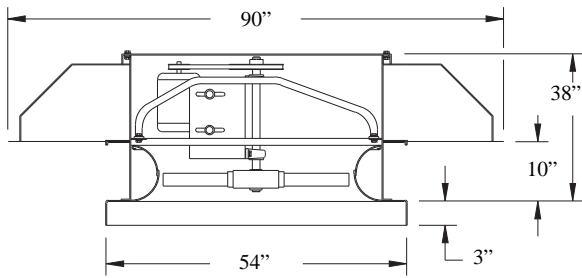
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 28 sq. ft.
Intake Velocity (FPM) - (CFM/28)
Roof Opening Square - 43-1/2 inches
Matching Curb - RCG, RCA-46
Approx. Shipping Weight - 780 lbs.



36 HES

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
36HES4B	1/3	430	4053	0.28	11.5	8289	5482						
		485	4571	0.38	14.1	9349	7629						
36HES5B	1/2	530	4995	0.48	16.2	10217	8931						
		555	5231	0.59	17.4	10699	9510	6280	3281				
36HES6B	3/4	585	5513	0.71	18.9	11277	10160	7062	4133				
		625	5890	0.87	21	12048	10995	8340	5958				
36HES7B	1	665	6267	1.01	23	12819	11817	9993	7312	4449			
		695	6550	1.17	24	13397	12434	11111	8078	5529	3611		
36HES8B	1-1/2	720	6786	1.32	26	13879	12945	11868	8745	6799	4331		
		750	7169	1.50	27	14458	13564	12641	9662	7944	5172	3516	
		795	7493	1.76	30	15325	14488	13671	11427	9137	7083	4913	
36HES9B	2	820	7728	1.94	32	15807	15001	14214	12460	9786	8261	5615	
		845	7964	2.14	33	16289	15515	14739	13390	10494	9071	6500	
		870	8200	2.35	35	16771	16027	15262	14192	11298	9738	7713	4243
36HES10B	3	905	8529	2.61	37	17445	16742	15984	15150	12648	10631	9292	5323
		945	8906	2.99	40	18217	17558	16806	16107	14313	11741	10460	6426
		975	9189	3.30	42	18795	18170	17423	16773	15435	12714	11224	7474
36HES11B	5	1020	9613	3.75	45	19662	19085	18343	17739	16830	14486	12415	9700
		1065	10037	4.30	48	20530	19996	19272	18681	17980	16338	13818	11366
		1115	10509	4.87	52	21494	21007	20299	19712	19129	18069	15769	12686
		1165	10980	5.56	56	22457	22016	21324	20740	20214	19470	17832	13986

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 42 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM - 885
Tip Speed (FPM) = 11.00 x RPM

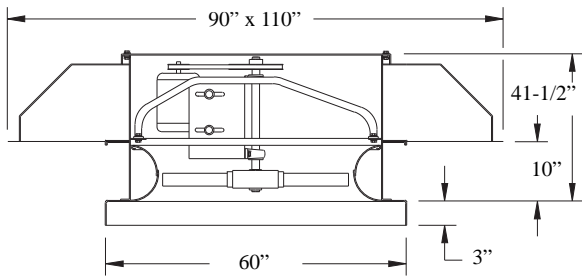
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 35.5 sq. ft.
Intake Velocity (FPM) - (CFM/35.5)
Roof Opening Square - 49-1/2 inches
Matching Curb - RCG, RCA-52
Approx. Shipping Weight - 1020 lbs.

42 HES

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
42HES5B	1/2	395	4343	0.48	13.4	12921	9924	4694					
		425	4673	0.59	15.1	13903	11318	7440					
42HES6B	3/4	450	4948	0.71	16.7	14720	12473	8717	4337				
		475	5223	0.84	18.3	15538	13571	9926	5375				
42HES7B	1	500	5498	0.98	19.8	16356	14582	11177	7560				
		530	5828	1.16	22	17337	15733	12662	9626	5461			
42HES8B	1-1/2	565	6212	1.42	24	18482	17025	14334	11339	6955			
		600	6597	1.70	26	19627	18278	15958	13069	10461	6407		
42HES9B	2	635	6982	2.00	28	20772	19518	17576	14814	12260	7977		
		665	7312	2.31	30	21753	20564	18902	16277	13706	11359	7330	
42HES10B	3	690	7587	2.58	32	22571	21431	19938	17463	14950	12723	8421	
		725	7972	2.99	34	23716	22640	21316	19089	16699	14428	12222	
		740	8137	3.19	36	24207	23156	21894	19782	17439	15151	13103	
		750	8247	3.32	36	24534	23500	22267	20245	17929	15643	13638	
42HES11B	5	795	8741	3.94	40	26006	25035	23929	22307	20083	17894	15843	9637
		820	9016	4.34	42	26824	25884	24831	23388	21249	19136	17059	12808
		840	9236	4.66	44	27478	26563	25545	24213	22174	20117	18054	14294
		875	9621	5.25	47	28623	27748	26788	25605	23792	21800	19808	16207
		885	9731	5.43	48	28950	28086	27142	25993	24256	22273	20306	16705

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

48 HES Data



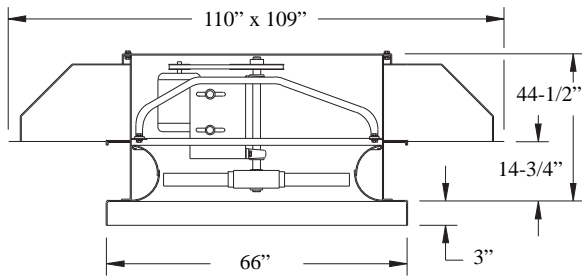
Prop Diameter - 48 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 10
Maximum Frame = 254T
Maximum RPM - 830
Tip Speed (FPM) = 12.57 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 43.2 sq. ft.
Intake Velocity (FPM) - (CFM/43.2)
Roof Opening Square - 55-1/2 inches
Matching Curb - RCG, RCA-58
Approx. Shipping Weight - 1110 lbs.

48 HES

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
48HES6B	3/4	378	4750	0.75	16.0	18223	14600						
		394	4951	0.87	17.1	18994	15657	11040					
48HES7B	1	412	5177	1.00	18.5	19862	17089	12382	6656				
		432	5429	1.16	20	20826	18508	13826	8320				
48HES8B	1-1/2	464	5831	1.43	22	22369	20355	16053	12048	6765			
		496	6233	1.75	25	23911	22082	18172	14533	9320			
48HES9B	2	520	6535	2.02	27	25068	23352	19712	16282	12487	7665		
		542	6811	2.29	28	26129	24496	21129	17846	14422	9361		
48HES10B	3	566	7113	2.60	30	27286	25733	22774	19506	16280	11890	8081	
		588	7389	2.92	32	28346	26862	24605	20982	17901	14596	9817	
		614	7716	3.33	34	29600	28189	26361	22677	19770	16762	12137	
48HES11B	5	644	8093	3.83	37	31046	29706	28106	24599	21869	19033	15979	8351
		672	8445	4.36	39	32396	31116	29659	26418	23766	21070	18314	10809
		702	8822	4.97	42	33842	32622	31258	28584	25734	23199	20593	13237
		728	9148	5.54	45	35095	33923	32635	30725	27403	24998	22493	16845
48HES12B	7-1/2	754	9475	6.16	48	36349	35221	33995	32407	29069	26750	24356	19362
		780	9802	6.81	51	37602	36515	35339	33933	30777	28457	26180	21464
		808	10154	7.55	54	38952	37904	36780	35497	32789	30259	28098	23586
		830	10430	8.20	57	40013	38993	37908	36698	34670	31667	29570	25203

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 54 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 742
Tip Speed (FPM) = 14.14 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 54.3 sq. ft.
Intake Velocity (FPM) - (CFM/54.3)
Roof Opening Square - 61-1/2 inches
Matching Curb - RCG, RCA-64
Approx. Shipping Weight - 1235 lbs.

54 HES

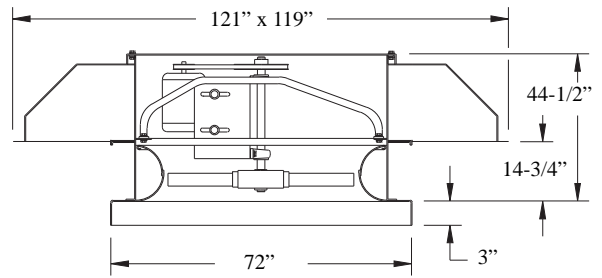
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
54HES7B	1	326	4609	0.92	15.6	23236	18724	10309						
		350	4948	1.12	17.5	24946	21200	13571						
54HES8B	1-1/2	384	5429	1.51	21	27370	24607	17378	10493					
		392	5542	1.62	21	27940	25275	18403	11604					
		402	5683	1.75	22	28653	26105	19791	13011					
54HES9B	2	414	5853	1.91	23	29508	27079	21444	14691	7827				
		426	6022	2.08	24	30363	28027	22940	16289	9728				
		442	6249	2.31	26	31504	29284	24656	18172	11924				
54HES10B	3	462	6531	2.62	28	32929	30835	26570	20318	14715	8581			
		480	6786	2.97	29	34212	32211	28287	22526	17232	11399			
		498	7040	3.32	31	35495	33580	30364	25031	19567	13857	7017		
54HES11B	5	520	7351	3.78	33	37063	35246	32731	27889	22011	16941	11667		
		542	7662	4.26	35	38631	36899	34711	30263	24447	19987	14695		
		566	8002	4.88	38	40342	38690	36710	32557	27634	22950	18046		
		590	8341	5.53	40	42052	40475	38653	34862	30912	25528	21393	11868	
54HES12B	7-1/2	612	8652	6.15	43	43620	42106	40387	37440	33512	28072	24212	15085	
		640	9048	7.06	46	45616	44175	42581	40371	36318	31908	27290	18930	
		674	9528	8.22	50	48039	46679	45185	43363	39523	36323	31215	23705	
54HES13B	10	702	9924	9.31	54	50035	48732	47317	45689	42654	39295	35082	27390	
		716	10122	9.88	55	51033	49756	48379	46817	44316	40648	37003	29036	
		742	10490	10.97	59	52886	51656	50345	48871	46888	43086	40225	31827	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

60 HES Data

Prop Diameter - 60 inches
Prop Type - Extruded
 Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 642
Tip Speed (FPM) = 15.71 x RPM

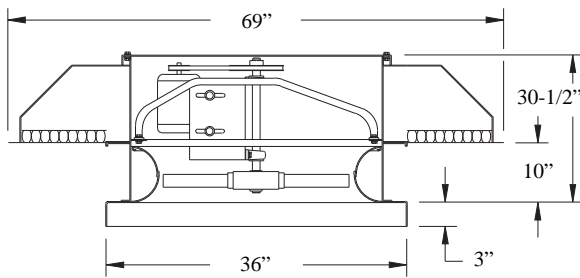
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 64.8 sq. ft.
Intake Velocity (FPM) - (CFM/64.8)
Roof Opening Square - 67-1/2 inches
Matching Curb - RCG, RCA-70
Approx. Shipping Weight - 1550 lbs.



60 HES

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
60HES7B	1	280	4398	0.92	15.0	25705	18817						
		294	4618	1.06	16.1	26991	20475						
60HES8B	1-1/2	322	5058	1.40	18.7	29561	23886	16652					
		344	5404	1.71	21	31581	26476	20198					
60HES9B	2	350	5498	1.80	21	32132	27156	21007					
		364	5718	2.02	23	33417	28711	22779	10923				
		378	5938	2.26	24	34702	30231	24479	15217				
60HES10B	3	384	6032	2.37	25	35253	30870	25194	17802				
		412	6472	2.94	28	37824	33811	28502	23403	11480			
		430	6754	3.34	30	39476	35667	30673	25901	14793			
60HES11B	5	458	7194	4.03	33	42047	38503	34097	29385	24058	12515		
		486	7634	4.83	36	44617	41303	37387	32713	28498	18645		
		508	7980	5.50	39	46637	43479	39858	35317	31374	26091		
60HES12B	7-1/2	530	8325	6.26	41	48657	45642	42258	37974	34069	29925	19348	
		538	8451	6.55	42	49391	46426	43119	38958	35028	31103	23217	
		552	8671	7.07	44	50677	47790	44606	40675	36689	33027	27602	
		566	8891	7.61	46	51962	49151	46084	42372	38340	34833	30397	
60HES13B	10	580	9111	8.18	48	53247	50507	47540	44031	39995	36568	32691	
		594	9331	8.81	50	54532	51861	48988	45649	41669	38264	34735	
		606	9519	9.35	52	55634	53018	50223	47012	43122	39698	36356	20274
		616	9676	9.81	53	56552	53981	51245	48129	44343	40883	37643	24193
		642	10085	11.09	57	58939	56478	53876	50984	47529	43954	40866	32881

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 24 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 3
Maximum Frame = 182T
Maximum RPM - 1635
Tip Speed (FPM) = 6.28 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 23.5 sq. ft.
Intake Velocity (FPM) - (CFM/23.5)
Roof Opening Square - 31-1/2 inches
Matching Curb - RCG, RCA-34
Approx. Shipping Weight - 525 lbs.

24 HEF

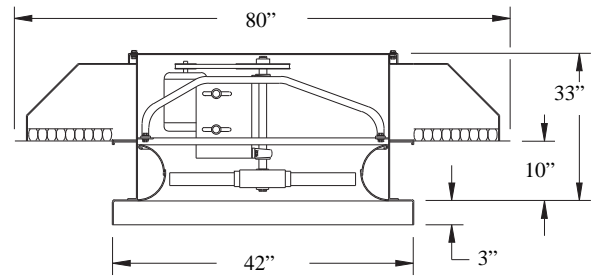
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
24HEF3B	1/4	780	4901	0.25	12.4	4579	3878	2738	1329				
		820	5152	0.29	13.5	4814	4154	3118	1820				
24HEF4B	1/3	845	5309	0.32	14.1	4960	4323	3334	2017				
		870	5466	0.35	14.8	5107	4489	3545	2190	1003			
		890	5592	0.38	15.4	5225	4621	3713	2330	1348			
24HEF5B	1/2	950	5969	0.45	17.2	5577	5011	4222	3293	2128			
		995	6252	0.52	18.5	5841	5301	4631	3736	2463			
		1035	6503	0.59	19.5	6076	5556	4977	4084	2743			
24HEF6B	3/4	1070	6723	0.65	21	6281	5778	5246	4379	3197	2446		
		1105	6943	0.72	22	6487	5999	5498	4672	3894	2703		
		1140	7163	0.79	23	6692	6220	5741	4968	4234	2944		
		1175	7383	0.86	23	6898	6439	5979	5273	4543	3219		
24HEF7B	1	1215	7634	0.96	25	7133	6689	6247	5639	4884	4105	2992	
		1260	7917	1.06	26	7397	6968	6544	6033	5262	4597	3305	
		1295	8137	1.16	27	7602	7185	6772	6310	5555	4917	3616	
24HEF8B	1-1/2	1340	8419	1.28	28	7866	7463	7065	6640	5940	5305	4616	
		1385	8702	1.41	30	8131	7740	7354	6955	6364	5684	5081	3331
		1430	8985	1.56	31	8395	8017	7643	7262	6755	6061	5485	3640
		1485	9331	1.74	33	8718	8353	7993	7630	7206	6527	5956	4048
24HEF9B	2	1530	9613	1.90	34	8982	8628	8278	7928	7542	6926	6334	5087
		1580	9927	2.09	36	9275	8933	8593	8255	7897	7384	6753	5683
		1635	10273	2.33	38	9598	9267	8939	8612	8275	7858	7221	6192

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

30 HEF Data

Prop Diameter - 30 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 5
Maximum Frame = 184T
Maximum RPM -1330
Tip Speed (FPM) = 7.85 x RPM

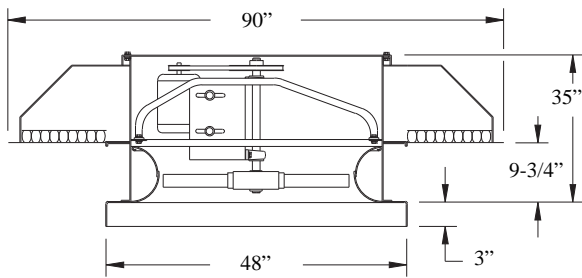
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 31.6 sq. ft.
Intake Velocity (FPM) - (CFM/31.6)
Roof Opening Square - 37-1/2 inches
Matching Curb - RCG, RCA-40
Approx. Shipping Weight - 610 lbs.



30 HEF

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
30HEF4B	1/3	600	4712	0.30	12.5	6691	5496	3371						
		625	4909	0.34	13.4	6970	5870	3954						
		645	5066	0.38	14.0	7193	6142	4381						
30HEF5B	1/2	680	5341	0.44	15.1	7583	6600	4987	2506					
		715	5616	0.51	16.4	7974	7042	5528	3397					
		745	5851	0.58	17.5	8308	7415	5988	4378	2145				
30HEF6B	3/4	800	6283	0.72	19.5	8922	8090	6896	5555	3161				
		850	6676	0.86	22	9479	8696	7796	6376	4805	2752			
30HEF7B	1	895	7029	1.00	23	9981	9236	8455	7066	5840	3545	2017		
		935	7343	1.15	25	10427	9714	8988	7686	6613	4932	3085		
30HEF8B	1-1/2	985	7736	1.34	27	10985	10307	9630	8541	7417	6180	3974		
		1035	8129	1.56	29	11543	10897	10257	9453	8182	7212	5727		
		1075	8443	1.74	31	11989	11367	10751	10058	8801	7882	6680	3478	
30HEF9B	2	1105	8679	1.89	31	12323	11718	11120	10475	9289	8350	7342	3998	
		1140	8954	2.08	33	12714	12127	11546	10941	9911	8886	8011	4645	
		1180	9268	2.30	35	13160	12592	12031	11459	10655	9499	8673	6148	
30HEF10B	3	1225	9621	2.57	38	13661	13115	12573	12029	11380	10209	9371	7345	
		1275	10014	2.90	40	14219	13694	13173	12654	12082	11089	10133	8457	
		1330	10446	3.30	43	14832	14329	13829	13332	12811	12099	10993	9484	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 36 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM - 1160
Tip Speed (FPM) = 9.42 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 39.6 sq. ft.
Intake Velocity (FPM) - (CFM/39.6)
Roof Opening Square - 43-1/2 inches
Matching Curb - RCG, RCA-46
Approx. Shipping Weight - 840 lbs.

36 HEF

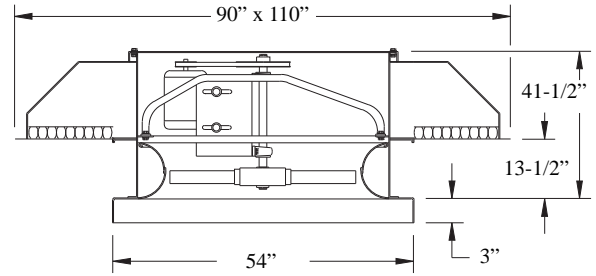
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
36HEF4B	1/3	405	3817	0.23	9.3	7543	4779							
		440	4147	0.30	10.7	8195	5722	2233						
		475	4477	0.38	12.3	8847	6611	3273						
36HEF5B	1/2	515	4854	0.48	13.9	9592	7566	4974						
		550	5184	0.58	15.3	10244	8363	6112	3226					
36HEF6B	3/4	585	5513	0.71	16.9	10895	9143	7097	4094					
		625	5890	0.86	18.7	11640	10015	8164	5858	3300				
36HEF7B	1	655	6173	1.00	20	12199	10661	8932	6924	4260				
		690	6503	1.16	22	12851	11407	9794	7955	5212	3205			
36HEF8B	1-1/2	725	6833	1.35	23	13503	12145	10622	8924	6899	4594			
		765	7210	1.58	25	14248	12979	11539	9987	8263	5581	4019		
		805	7587	1.85	27	14993	13806	12435	11010	9418	7484	5278		
36HEF9B	2	835	7870	2.06	29	15552	14422	13098	11751	10246	8598	6009		
		865	8152	2.29	31	16110	15034	13754	12471	11050	9527	7370	3590	
36HEF10B	3	905	8529	2.63	32	16855	15846	14620	13404	12091	10669	9092	5491	
		940	8859	2.94	35	17507	16552	15370	14201	12974	11630	10211	6322	
		975	9189	3.28	38	18159	17255	16115	14987	13831	12563	11227	7336	
36HEF11B	5	1010	9519	3.65	40	18811	17955	16854	15762	14664	13471	12203	9080	
		1050	9896	4.10	42	19556	18752	17692	16640	15592	14481	13284	10669	
		1085	10226	4.52	44	20208	19447	18420	17400	16389	15340	14205	11779	
		1120	10556	4.97	47	20860	20140	19145	18155	17175	16178	15104	12799	
		1160	10933	5.52	49	21604	20929	19968	19011	18063	17112	16106	13919	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

42 HEF Data

Prop Diameter - 42 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM - 880
Tip Speed (FPM) = 11.00 x RPM

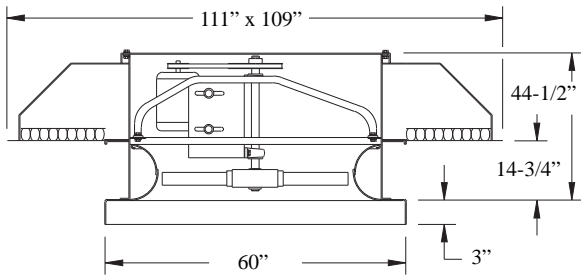
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 47.8 sq. ft.
Intake Velocity (FPM) - (CFM/47.8)
Roof Opening Square - 49-1/2 inches
Matching Curb - RCG, RCA-52
Approx. Shipping Weight - 1100 lbs.



42 HEF

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
42HEF5B	1/2	390	4288	0.47	11.6	11973	8988	4367						
		420	4618	0.59	13.2	12894	10122	6352						
42HEF6B	3/4	450	4948	0.72	14.8	13815	11225	8145	4079					
		480	5278	0.88	16.6	14736	12473	9513	5454					
42HEF7B	1	500	5498	1.00	17.7	15350	13473	10468	6534					
		520	5718	1.13	18.8	15964	14311	11385	8284	4730				
42HEF8B	1-1/2	560	6158	1.40	21	17192	15784	13043	10366	6568				
		600	6597	1.73	23	18420	17149	14535	12232	9530	6169			
42HEF9B	2	630	6927	2.00	25	19341	18157	15634	13637	11235	7540			
		660	7257	2.30	27	20262	19144	16792	14939	12570	9649	6879		
42HEF10B	3	700	7697	2.74	29	21490	20451	18728	16513	14466	12364	8793		
		720	7917	2.99	30	22104	21102	19623	17259	15404	13252	10285	5675	
		745	8192	3.31	32	22871	21909	20621	18173	16526	14382	12412	7167	
42HEF11B	5	775	8522	3.72	34	23792	22871	21711	19276	17779	15810	13913	8511	
		790	8686	3.95	35	24253	23351	22252	19837	18369	16524	14573	9197	
		810	8906	4.26	37	24867	23990	22943	20632	19132	17454	15471	10254	
		820	9016	4.42	38	25174	24310	23284	21071	19507	17903	15939	10922	
		845	9291	4.83	40	25941	25106	24133	22307	20427	18991	17130	13167	
		880	9676	5.46	42	27015	26219	25316	23960	21706	20410	18781	15389	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 48 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 10
Maximum Frame = 254T
Maximum RPM - 816
Tip Speed (FPM) = 12.57 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 59.3 sq. ft.
Intake Velocity (FPM) - (CFM/59.3)
Roof Opening Square - 55-1/2 inches
Matching Curb - RCG, RCA-58
Approx. Shipping Weight - 1200 lbs.

48 HEF

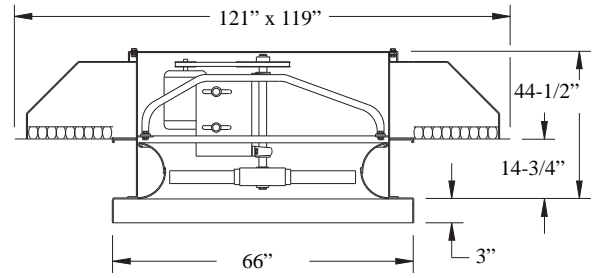
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
48HEF6B	3/4	370	4650	0.75	13.7	16828	13031	8368						
		390	4901	0.88	14.9	17738	14109	9909	4214					
48HEF7B	1	410	5152	1.02	16.3	18647	15207	11425	5806					
		428	5378	1.17	17.5	19466	16299	12718	7102					
48HEF8B	1-1/2	460	5781	1.46	19.7	20922	18597	14795	10814	5749				
		488	6132	1.74	22	22195	20159	16465	12917	7707				
48HEF9B	2	516	6484	2.05	24	23469	21612	18035	15004	11138	6559			
		538	6761	2.33	25	24469	22720	19225	16504	13010	8080			
48HEF10B	3	560	7037	2.63	27	25470	23816	20413	17911	14648	9934			
		582	7314	2.95	28	26470	24891	21629	19248	16321	12960	8357		
		606	7615	3.32	30	27562	26058	23101	20642	18035	14880	10107		
48HEF11B	5	634	7967	3.81	32	28835	27413	25248	22198	19884	16980	13854	6517	
		664	8344	4.38	34	30200	28852	27096	23820	21746	19218	16312	9109	
		692	8696	4.95	37	31473	30186	28609	25334	23392	21138	18410	11040	
		718	9023	5.54	39	32656	31420	29970	26781	24857	22814	20372	14114	
48HEF12B	7-1/2	744	9349	6.16	41	33838	32651	31284	28422	26279	24410	22212	17077	
		770	9676	6.83	44	35021	33878	32590	30476	27682	25941	23938	19078	
		794	9978	7.49	46	36112	35009	33781	32048	28979	27306	25456	20872	
		816	10254	8.13	48	37133	36043	34856	33344	30189	28522	26799	22549	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

54 HEF Data

Prop Diameter - 54 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 735
Tip Speed (FPM) = 14.14 x RPM

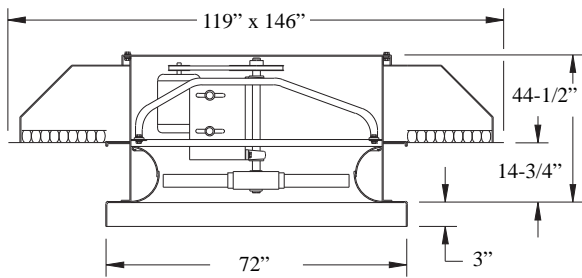
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 70.3 sq. ft.
Intake Velocity (FPM) - (CFM/70.3)
Roof Opening Square - 61-1/2 inches
Matching Curb - RCG, RCA-64
Approx. Shipping Weight - 1345 lbs.



54 HEF

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
54HEF7B	1	315	4453	0.84	13.3	20044	15182						
		350	4948	1.15	15.6	22271	17973	11135					
54HEF8B	1-1/2	380	5372	1.48	17.8	24180	20241	14747	8248				
		390	5513	1.60	18.6	24816	20997	15840	9264				
		400	5655	1.72	19.4	25452	21748	16938	10297				
54HEF9B	2	420	5938	1.99	21	26725	23234	19053	12554				
		430	6079	2.14	22	27361	23969	20046	13810	8553			
		440	6220	2.29	23	27997	24698	20986	15097	9649			
54HEF10B	3	460	6503	2.62	24	29270	26140	22702	17469	11691			
		475	6715	2.88	26	30225	27210	23892	19111	13325	8791		
		495	6998	3.26	27	31497	28620	25420	21298	15750	11101		
54HEF11B	5	520	7351	3.78	30	33088	30367	27308	23895	18905	13676	9573	
		545	7705	4.35	32	34679	32093	29200	26243	21685	16548	12440	
		565	7987	4.85	34	35951	33465	30705	27937	23879	19101	14489	
		590	8341	5.52	36	37542	35170	32564	29897	26536	22124	17176	
54HEF12B	7-1/2	615	8694	6.25	39	39133	36861	34401	31794	28999	24866	20417	12880
		640	9048	7.05	41	40724	38545	36210	33683	31229	27599	23519	15446
		670	9472	8.09	44	42633	40557	38356	35953	33654	30717	26835	18646
54HEF13B	10	700	9896	9.22	47	44541	42559	40473	38205	35946	33562	30117	22269
		720	10179	10.04	49	45814	43888	41875	39691	37457	35286	32231	24843
		735	10391	10.68	51	46768	44883	42919	40797	38590	36512	33754	26689

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 60 inches
Prop Type - Extruded Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 634
Tip Speed (FPM) = 15.71 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake Area - 81.0 sq. ft.
Intake Velocity (FPM) - (CFM/81.0)
Roof Opening Square - 67-1/2 inches
Matching Curb - RCG, RCA-70
Approx. Shipping Weight - 1700 lbs.

60 HEF

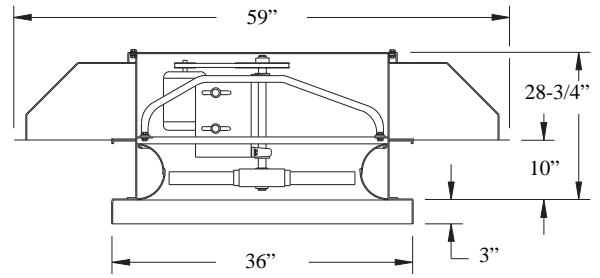
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
60HEF7B	1	270	4241	0.84	12.6	22980	16396							
		288	4524	1.02	14.0	24512	18500							
		296	4650	1.11	14.6	25193	19374							
60HEF8B	1-1/2	326	5121	1.47	17.0	27746	22440	14623						
		346	5435	1.75	18.7	29449	24445	18482						
60HEF9B	2	352	5529	1.85	19.2	29959	25061	19319						
		364	5718	2.06	20	30981	26350	20919						
		378	5938	2.31	21	32172	27985	22709	12141					
60HEF10B	3	396	6220	2.65	23	33704	30038	24877	16703	9498				
		412	6472	2.98	25	35066	31697	26684	20809	11305				
		430	6754	3.39	26	36598	33463	28598	23508	13266				
60HEF11B	5	454	7131	3.99	29	38641	35752	31033	26681	17464	11916			
		482	7571	4.78	32	41024	38355	33832	30120	25050	14968			
		494	7760	5.14	33	42045	39462	35042	31506	26795	16438			
		508	7980	5.59	35	43237	40736	36507	33056	28691	19784	14215		
60HEF12B	7-1/2	520	8168	6.00	36	44258	41824	37850	34329	30263	24422	15516		
		532	8357	6.43	37	45280	42909	39271	35575	31793	26883	16868		
		546	8577	6.95	39	46471	44172	40915	37000	33518	29066	18704		
		560	8796	7.50	40	47663	45431	42477	38404	35178	31011	23609		
		572	8985	7.98	42	48684	46508	43725	39603	36556	32611	27317		
60HEF13B	10	580	9111	8.32	43	49365	47223	44553	40400	37443	33658	28969		
		602	9456	9.31	45	51237	49180	46729	42613	39804	36445	32398		
		624	9802	10.37	48	53110	51131	48865	44912	42068	39087	35381	20676	
		634	9959	10.87	50	53961	52016	49807	46036	43080	40245	36694	22198	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. The AMCA certified ratings seal applies to air performance ratings only. *Sone values are for maximum cataloged CFM at specified RPM.

24 HER Data

Prop Diameter - 24 inches
Prop Type - Reversible Extruded Aluminum Airfoil
Maximum MHP = 3
Maximum Frame = 182T
Maximum RPM - 1635
Tip Speed (FPM) = 6.28 x RPM

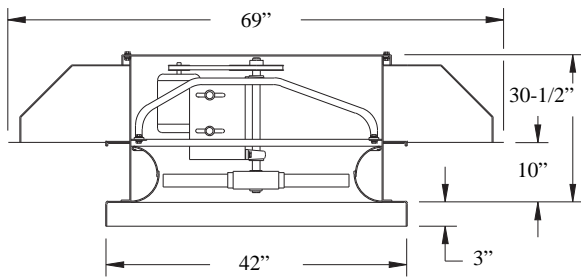
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake/Outlet Area - 14.9 sq. ft.
Intake/Outlet Velocity (FPM) - (CFM/14.9)
Roof Opening Square - 31-1/2 inches
Matching Curb - RCG, RCA-34
Approx. Shipping Weight - 480 lbs.



24 HER

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
24HER3B	1/4	755	4741	0.18	14.0	3801	2738							
		790	4961	0.20	15.0	3978	2946							
		815	5118	0.22	15.8	4104	3097							
		825	5181	0.28	16.1	4154	3165	2267						
24HER4B	1/3	845	5307	0.30	16.8	4255	3299	2378						
		880	5526	0.33	18.0	4431	3549	2608						
		940	5903	0.37	20	47.33	3990	3119						
24HER5B	1/2	975	6123	0.40	21	4909	4235	3343						
		1000	6280	0.43	22	5035	4397	3489						
		1005	6311	0.51	22	5060	4429	3517	2746					
		1035	6500	0.55	23	5211	4618	3687	2913					
24HER6B	3/4	1070	6720	0.60	25	5388	4831	3884	3135					
		1140	7159	0.67	27	5740	5237	4304	3737					
		1160	7285	0.79	28	5841	5349	4430	3883	3168				
		1185	7442	0.83	29	5967	5489	4599	4040	3306				
24HER7B	1	1220	7662	0.90	30	6143	5684	4839	4246	3517				
		1290	8101	1.00	33	6495	6067	5355	4641	4093				
		1300	8164	1.11	33	6546	6121	5430	4698	4181	3559			
24HER8B	1-1/2	1340	8415	1.20	35	6747	6338	5718	4930	4487	3782			
		1415	8886	1.35	38	7125	6741	6223	5388	4938	4320			
		1440	9043	1.50	39	7251	6875	6382	5556	5080	4554	3987		
		1495	9389	1.65	42	7527	7166	6725	5933	5389	4996	4312		
24HER9B	2	1535	9640	1.75	44	7729	7378	6960	6225	5618	5247	4599		
		1590	9985	1.85	46	8006	7668	7280	6634	5953	5567	5102		
		1635	10268	1.95	49	8232	7905	7534	6960	6229	5821	5453		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 30 inches
Prop Type - Reversible Extruded Aluminum Airfoil
Maximum MHP = 5
Maximum Frame = 184T
Maximum RPM - 1325
Tip Speed (FPM) = 7.85 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake/Outlet Area - 20.5 sq. ft.
Intake/Outlet Velocity (FPM) - (CFM/20.5)
Roof Opening Square - 37-1/2 inches
Matching Curb - RCG, RCA-40
Approx. Shipping Weight - 560 lbs.

30 HER

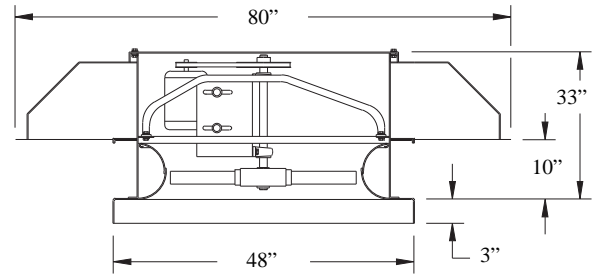
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
30HER4B	1/3	600	4710	0.27	15.1	5828	4170							
		625	4906	0.30	16.0	6071	4451							
		650	5103	0.33	17.0	6314	4743							
		660	5181	0.35	17.4	6411	4867							
30HER5B	1/2	670	5260	0.45	17.8	6508	4997	3588						
		700	5495	0.50	19.0	6800	5399	3936						
		740	5809	0.55	21	7188	5970	4604						
30HER6B	3/4	770	6045	0.60	22	7480	6383	5024						
		810	6359	0.68	24	7868	6895	5478						
		820	6437	0.83	24	7966	7017	5587	4388					
30HER7B	1	850	6673	0.91	26	8257	7378	5913	4732					
		895	7026	1.00	28	8694	7885	6425	5442					
		935	7340	1.08	30	9083	8323	6904	6054					
30HER8B	1-1/2	965	7575	1.34	32	9374	8646	7292	6409	5263				
		1015	7968	1.50	34	9860	9179	7987	6959	5951				
		1045	8203	1.57	36	10151	9493	8421	7285	6485				
30HER9B	2	1065	8360	1.81	37	10345	9702	8702	7505	6790	5733			
		1110	8714	2.00	40	10783	10171	9311	8031	7352	6270			
		1145	8988	2.12	42	11123	10533	9744	8454	7742	6832			
30HER10B	3	1170	9185	2.40	44	11365	10789	10049	8778	8014	7278	6317		
		1230	9656	2.70	47	11948	11403	10750	9599	8669	8092	7075		
		1310	10284	3.00	52	12725	12216	11638	10735	9603	8980	8396		
		1325	10401	3.08	53	12871	12368	11800	10939	9799	9143	8594		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.

36 HER Data

Prop Diameter - 36 inches
Prop Type - Reversible Extruded Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM -1145
Tip Speed (FPM) = 9.42 x RPM

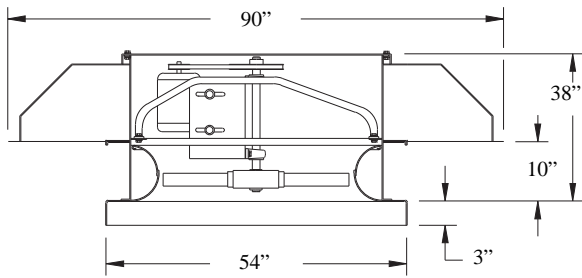
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake/Outlet Area - 28 sq. ft.
Intake/Outlet Velocity (FPM) - (CFM/28)
Roof Opening Square - 43-1/2 inches
Matching Curb - RCG, RCA-46
Approx. Shipping Weight - 780 lbs.



36 HER

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
36HER4B	1/3	425	4004	0.27	12.7	7076	4291							
		450	4239	0.30	13.9	7492	4983							
		470	4427	0.33	14.8	7825	5385							
		495	4663	0.37	16.0	8241	5854							
36HER5B	1/2	510	4804	0.40	16.8	8491	6135							
		530	4993	0.45	17.8	8824	6531							
		540	5087	0.47	18.3	8991	6731							
36HER6B	3/4	545	5134	0.61	18.5	9074	6831	4864						
		570	5369	0.68	19.7	9490	7382	5327						
		595	5605	0.75	21	9906	7976	5892						
		630	5935	0.82	23	10489	8830	6895						
36HER7B	1	650	6123	0.88	24	10822	9295	7330						
		660	6217	0.91	24	10988	9521	7527						
		665	6264	1.11	25	11072	9626	7622	5909					
36HER8B	1-1/2	690	6500	1.21	26	11488	10149	8092	6373					
		720	6782	1.34	28	11987	10755	8653	6996					
		765	7206	1.49	30	12737	11618	9546	8285					
36HER9B	2	785	7395	1.79	32	13070	11989	9972	8749	7145				
		820	7724	2.00	34	13652	12634	10763	9441	7823				
		855	8054	2.17	37	14235	13269	11611	10095	8730				
36HER10B	3	865	8148	2.42	37	14401	13448	11859	10281	9047	7754			
		905	8525	2.71	40	15067	14164	12815	11051	10072	8500			
		935	8808	2.92	43	15567	14699	13498	11653	10676	9171			
		960	9043	3.28	45	15983	15141	14023	12181	11149	9890	8724		
36HER11B	5	1050	9891	4.01	53	17482	16718	15823	14291	12862	12024	10782		
		1080	10174	4.19	55	17981	17240	16395	15030	13462	12590	11670		
		1105	10409	5.01	58	18397	17675	16859	15616	13987	13055	12264	10009	
		1145	10786	5.48	61	19063	18369	17597	16529	14873	13805	13072	10757	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 42 inches
Prop Type - Reversible Extruded Aluminum Airfoil
Maximum MHP = 7.5
Maximum Frame = 215T
Maximum RPM - 920
Tip Speed (FPM) = 11.00 x RPM

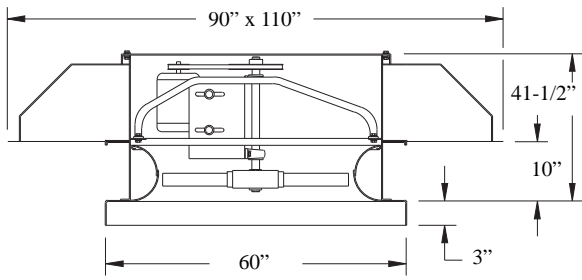
Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake/Outlet Area - 35.5 sq. ft.
Intake/Outlet Velocity (FPM) - (CFM/35.5)
Roof Opening Square - 49-1/2 inches
Matching Curb - RCG, RCA-52
Approx. Shipping Weight - 1020 lbs.

42 HER

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
42HER5B	1/2	375	4125	0.37	14.0	10154	6556							
		390	4290	0.41	14.9	10560	7038							
		410	4510	0.45	16.1	11102	7654							
		430	4730	0.50	17.3	11644	8255							
		445	4895	0.54	18.2	12050	8713							
42HER6B	3/4	460	5060	0.59	19.1	12456	9196							
		470	5170	0.80	19.7	12727	9514	7313						
		480	5280	0.83	20	12997	9862	7658						
42HER7B	1	500	5500	0.91	21	13539	10568	8296						
		520	5720	1.00	23	14081	11309	8936						
		540	5940	1.09	24	14622	12063	9585						
42HER8B	1-1/2	560	6160	1.19	25	15164	12800	10219						
		570	6270	1.23	26	15434	13157	10526						
		585	6435	1.52	27	15841	13673	10980	9283					
42HER9B	2	600	6600	1.60	28	16247	14185	11430	9769					
		630	6930	1.79	30	17059	15151	12343	10723					
		655	7205	1.96	32	17736	15937	13147	11534					
42HER10B	3	685	7535	2.40	34	18548	16853	14161	12489	11032				
		720	7920	2.70	37	19496	17908	15421	13553	12142				
		740	8140	3.16	38	20038	18499	16168	14153	12788	11450			
		760	8360	3.31	40	20579	19088	16923	14759	13437	12143			
42HER11B	5	810	8910	4.14	45	21933	20551	18741	16350	15005	13735	12520		
		845	9295	4.49	48	22881	21561	19940	17552	16058	14871	13704		
		885	9735	4.99	52	23964	22709	21237	19004	17269	16144	14972		
		920	10120	5.47	56	24912	23708	22345	20320	18391	17211	16107		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.

48 HER Data



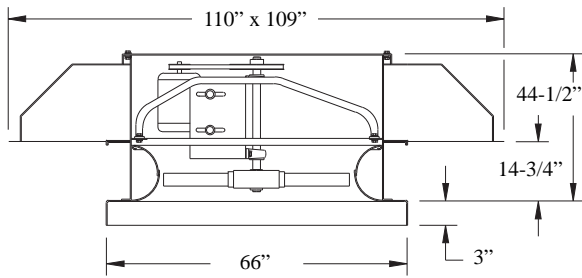
Prop Diameter - 48 inches
Prop Type - Reversible Extruded Aluminum Airfoil
Maximum MHP = 10
Maximum Frame = 254T
Maximum RPM = 818
Tip Speed (FPM) = 12.57 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake/Outlet Area - 43.2 sq. ft.
Intake/Outlet Velocity (FPM) - (CFM/43.2)
Roof Opening Square - 55-1/2 inches
Matching Curb - RCG, RCA-58
Approx. Shipping Weight - 1110 lbs.

48 HER

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure							
						.000	.125	.250	.375	.500	.625	.750	1.000
48HER7B	1	408	5129	1.04	20	16436	12221	9310					
		424	5330	1.11	22	17081	13030	10147					
		440	5531	1.20	23	17726	13879	10900					
48HER8B	1-1/2	462	5807	1.35	24	18612	15099	11955					
		484	6084	1.50	26	19498	16319	13008					
		498	6260	1.60	27	20062	17076	13654					
48HER9B	2	500	6285	1.90	27	20143	17178	13745	11422				
		516	6486	2.00	29	20787	17996	14464	12267				
		538	6763	2.20	30	21673	19083	15448	13309				
48HER10B	3	558	7014	2.40	32	22479	20033	16376	14263				
		574	7215	2.56	34	23124	20778	17140	15036				
		588	7391	3.01	35	23688	21415	17828	15706	13778			
		614	7718	3.30	37	24735	22590	19172	16908	15029			
48HER11B	5	644	8095	4.09	40	25944	23921	20825	18252	16454	14650		
		680	8548	4.51	43	27394	25497	22833	19893	18185	16498		
		704	8849	4.89	46	28361	26541	24134	21040	19297	17629		
		718	9025	5.50	47	28925	27146	24852	21723	19929	18299	16760	
48HER12B	7-1/2	750	9428	6.02	51	30214	28517	26469	23371	21359	19843	18312	
		788	9905	6.76	56	31745	30136	28277	25463	23105	21616	20117	
		814	10232	7.29	59	32792	31239	29487	26926	24346	22786	21373	
		818	10282	8.30	60	32953	31409	29669	27149	24536	22964	21565	18747

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.



Prop Diameter - 54 inches
Prop Type - Reversible Extruded Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 748
Tip Speed (FPM) = 14.14 x RPM

Base Material - 14 gauge Lorenized[®] steel
Hood Material - 18 gauge galvanized steel
Intake/Outlet Area - 54.3 sq. ft.
Intake/Outlet Velocity (FPM) - (CFM/54.3)
Roof Opening Square - 61-1/2 inches
Matching Curb - RCG, RCA-64
Approx. Shipping Weight - 1235 lbs.

54 HER

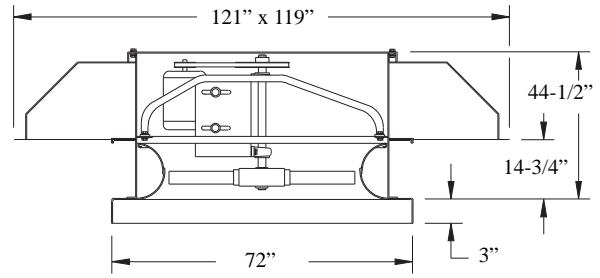
Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
54HER8B	1-1/2	366	5175	1.32	22	20940	15646	12018						
		372	5260	1.36	22	21283	16086	12462						
		388	5486	1.49	24	22198	17270	13547						
		404	5713	1.64	25	23114	18519	14628						
54HER9B	2	420	5939	1.79	26	24029	19796	15725						
		440	6222	1.99	28	25173	21350	17058						
		446	6306	2.05	29	25516	21793	17446						
54HER10B	3	450	6363	2.44	29	25745	22084	17702	14852					
		472	6674	2.69	31	27004	23663	19099	16378					
		494	6985	3.00	33	28263	25150	20530	17861					
		514	7268	3.28	36	29407	26470	21885	19232					
54HER11B	5	536	7579	3.99	38	30666	27888	23473	20705	18308				
		564	7975	4.49	41	32267	29667	25614	22498	20185				
		578	8173	5.21	43	33068	30541	26724	23386	21144	18949			
		596	8427	5.51	45	34098	31661	28155	24541	22376	20249			
54HER12B	7-1/2	618	8739	5.99	47	35357	33022	29866	26026	23847	21721			
		634	8965	6.87	49	36272	34008	31058	27105	24881	22801	20821		
		664	9389	7.52	53	37989	35834	33224	29297	26787	24858	22928		
		690	9757	8.23	56	39476	37409	34988	31312	28453	26600	24670		
54HER13B	10	718	10153	9.03	60	41078	39099	36858	33536	30350	28403	26589		
		732	10350	10.57	63	41879	39941	37764	34643	31293	29291	27544	24036	
		748	10577	10.98	65	42794	40902	38795	35890	32465	30306	28619	25204	

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.

60 HER Data

Prop Diameter - 60 inches
Prop Type - Reversible Extruded Aluminum Airfoil
Maximum MHP = 15
Maximum Frame = 256T
Maximum RPM - 642
Tip Speed (FPM) = 15.71 x RPM

Base Material - 14 gauge Lorenized® steel
Hood Material - 18 gauge galvanized steel
Intake/Outlet Area - 64.8 sq. ft.
Intake/Outlet Velocity (FPM) - (CFM/64.8)
Roof Opening Square - 67-1/2 inches
Matching Curb - RCG, RCA-70
Approx. Shipping Weight - 1550 lbs.



60 HER

Catalog Number	HP	RPM	Tip Speed	Max BHP	Sones*	CFM at Static Pressure								
						.000	.125	.250	.375	.500	.625	.750	1.000	
60HER7B	1	270	4242	0.80	17.0	21146	13938							
		286	4493	0.91	18.5	22399	15377							
		300	4713	1.01	19.8	23495	16594							
		312	4902	1.10	21	24435	17649							
60HER8B	1-1/2	324	5090	1.20	22	25375	18767							
		328	5153	1.62	22	25688	19136	14636						
		332	5216	1.65	23	26001	19521	15056						
60HER9B	2	346	5436	1.79	24	27098	20921	16381						
		362	5687	1.99	26	28351	22622	17854						
		378	5938	2.20	28	29604	24371	19355						
60HER10B	3	394	6190	2.42	29	30857	26076	20822						
		404	6347	3.00	30	31640	27095	21706	18167					
		424	6661	3.30	32	33207	29068	23445	20085					
60HER11B	5	460	7227	3.99	37	36026	32372	26706	23429					
		466	7321	4.60	37	36496	32904	27259	23989	20926				
		486	7635	4.99	40	38062	34665	29258	25809	22863				
		506	7949	5.48	43	39629	36405	31363	27561	24696				
60HER12B	7-1/2	518	8138	6.39	44	40569	37432	32657	28602	25816	23066			
		536	8421	6.77	47	41978	38965	34620	30180	27506	24882			
		560	8798	7.48	50	43858	40998	37173	32395	29696	27081			
		566	8892	7.67	51	44328	41504	37785	32950	30228	27636			
60HER13B	10	590	9269	9.00	54	46207	43510	40166	35312	32321	29885	27520		
		618	9709	10.01	59	48400	45835	42813	38229	34768	32473	30087		
		642	10086	10.94	62	50280	47818	45021	40828	36978	34602	32332		

Performance shown 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 in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet hemispherical fan sone levels. *Sone values are for maximum cataloged CFM at specified RPM.



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