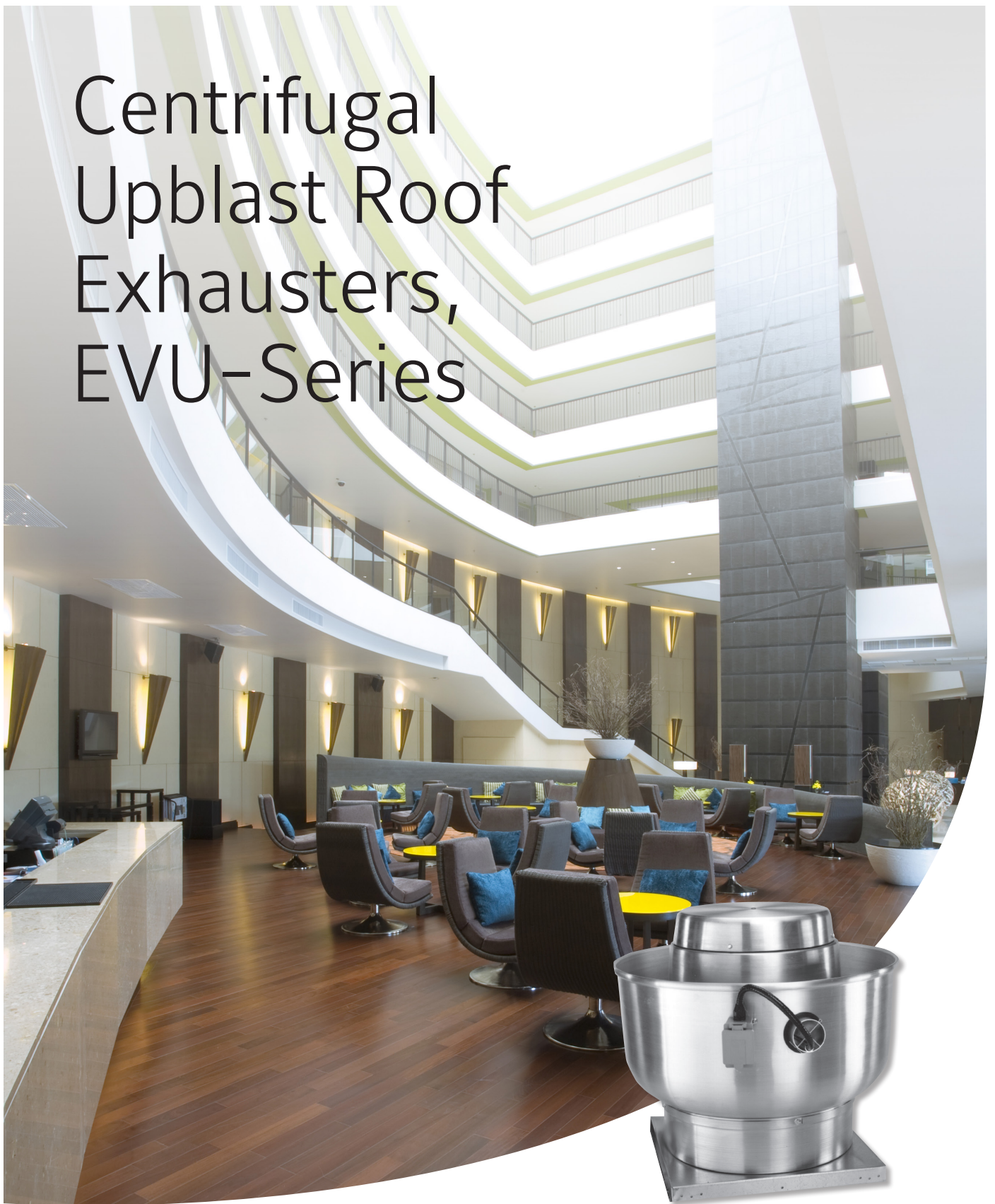


Centrifugal Upblast Roof Exhausters, EUV-Series



 **YORK**[®]

BY JOHNSON CONTROLS

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BY JOHNSON CONTROLS

INTRODUCTION

Upblast Roof Exhauster

The EVU-Series of centrifugal fans are designed for medium to high pressure applications and are available in a range of capacities. They can be either roof or wall mounted. While suitable for general ventilation, these fans are specifically designed to discharge contaminated or grease-laden air or fumes up and away from building surfaces. The optional “Fatrap” (UL762) restaurant grease exhaust configuration (see Fatrap Configuration) makes them particularly suited for all food service applications and chemical fume hoods. The optional heat and smoke removal configuration (see Smoke Removal) makes them particularly suited for heat and smoke control systems. The optional high wind construction makes them particularly suited for high wind hurricane zones.

These EVU-Series fans feature a weather-resistant seamless spun aluminum housing which provides ample drainage and works in conjunction with a patented wheel design and deeply spun inlets to provide smooth quiet airflow through the ventilator. The centrifugal wheels are aluminum, non-overloading, backward inclined, robotically welded, and dynamically balanced.

Direct Drive Units

Model: EVU (V/S/R/Q/Q1/Q2)

- Static pressure up to 1.5” wg.
- Flow capacity up to 4,489 CFM.
- Fatrap (FT) option available on sizes 13, 16, and 18.
- High Wind Construction (-HW) option available.

Standard Duty Belt Drive Units

Model: EVU (B)

- Static pressure up to 2.5” wg.
- Flow capacity up to 21,511 CFM.
- Fatrap (FT) option available.
- Heat & Smoke Removal (-HS) option available.
- High Wind Construction (-HW) option available.

High Pressure Belt Drive Units

Model: EVU (BH)

- Static pressure up to 4” wg.
- Flow capacity up to 9,920 CFM.
- Fatrap (FT) option available.
- Heat & Smoke Removal (-HS) option available.
- High Wind Construction (-HW) option available.

High Capacity Belt Drive Units

Model: MEVU (B)

- Static pressure up to 1.5” wg.
- Flow capacity up to 25,035 CFM.



Belt Drive EVU with Fatrap option (left) and Direct Drive EVU (below).

CERTIFICATIONS & LISTINGS



AMCA Certification

YORK® by Johnson Controls certifies that the EVU-Series models (EVU, EVUB, EVUBH, and EVUBHFT) 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 Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



YORK® by Johnson Controls certifies that the belt drive model MEVUB shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

UL and cUL Certification

EVU-Series fans carry the UL label, UL705 (ZACT/ZACT7), file #E28413. EVU-Series fans with the “Fatrap” option carry the UL label UL762 (YZHW/YZHW7), file #MH10684. EVU-Series fans with the heat and smoke removal option carry the UL label UL793 (ZAXH/ZAXH7), file #MH19473.



FEATURES & BENEFITS

Motor Selection

Both direct drive and belt drive models are available with a wide range of voltages and enclosures (see Motor Selection for a complete listing). Standard belt drive Open Drip Proof (ODP) ball bearing motors are selected using a conservative portion of the NEMA service factor. Standard direct drive ODP motors have Class B insulation and internal overload protection. Overload protection is available as an option on belt drive models. Each size is carefully engineered to match the motor to the wheel capacity.

Internal Wiring

All direct and belt drive models with ODP motors feature a polarized disconnect plug which is factory wired from the motor to the junction box. This provides a positive method of electric shut-off as required by most codes without requiring the traditional disconnect switch. (See Options & Accessories for optional NEMA wiring and disconnect devices.)

Sound Performance

These units deliver outstanding air performance with minimal noise and have the lowest AMCA licensed sound performance in the industry.

Curb Caps (Base)

Curb caps for direct drive and standard duty belt drive models are available in galvanized steel (standard) or aluminum (optional). Curb caps for high capacity belt drive models are available only in aluminum. All curb caps have fully welded corners and are pre-punched to ensure a leak-tight and easy installation.

Forced Motor Cooling

Motors and drive components are located out of the airstream in a separate compartment. A cooling tube between the motor dome and discharge apron enables fresh air to be drawn into the motor housing during fan operation. This positive cooling promotes longer life for motor and drive components.

Easy Maintenance Access

By removing the fasteners, the motor dome lifts off for complete access to all the drive components.

Vibration Isolators

Multidirectional, rubber-in-shear vibration isolators mitigate residual vibration transmission from the unit to the building.

Structural Integrity

Durable housings of spun aluminum have a high strength-to-weight ratio and incorporate a rolled bead for additional strength. There are no welds to break or seams to leak. The heavy-gauge motor mounting platform provides positive rigidity between all components of the power train assembly.

Internal Bracing

Tri-Strut™ supports transfer the weight of the motor mounting platform directly to the curb mounting surface. The aluminum spun housing, therefore, is not used to support any weight. For grease laden applications, there is less surface for grease build-up during normal operation.

Solid Steel Shafts

Sized so the first critical speed is a minimum of 130% of maximum cataloged operating speed, shafts are precision ground, and polished.

Self-Aligning Bearings

Heavy-duty bearings are sized for a minimum L50 life in excess of 200,000 hours of operation. 100% factory tested, they are designed for air handling applications.

Drives and Belts

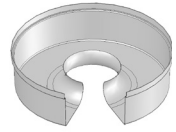
Pulleys are pre-set to the specified RPM. Cast iron variable pitch pulleys are adjustable, allowing for field balancing based on actual field conditions. All pulleys are sized for at least 150% of the driven horsepower.

Conduit

Both direct and belt drive units include a large 1" nominal conduit chase (not available on heat and smoke removal units; wiring is run via the cooling tubes) for easy installation of wiring from the motor dome to below the curb cap. Fatrap units are factory wired to an external NEMA 3R junction box.

Reverse Venturi

Reverse venturi reduces turbulence and improves distribution of the air as it enters the wheel inlet and is "captured" by the blades.

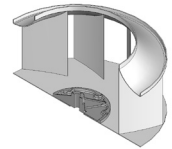


Wheels

These fans offer patented wheel designs. Carefully matched, highly-tooled venturis enhance the performance of these backward inclined and non-overloading centrifugal wheels. Made of advanced aluminum alloys, the various wheel components provide superior strength and durability, as well as spark resistant construction. The heat and smoke removal configuration utilizes steel construction.

Silent Wheel (Direct Drive)

- Blades' highly curved leading edge provide unsurpassed low sound numbers with excellent air performance.
- Back plate and inlet are stamped for consistency, plus dynamic balancing assure smooth, vibration-free operation.
- Riveted or riveted and welded construction ensure superior dependability over other wheel designs.



Standard Duty, All Welded Wheel

(Standard Duty & High Pressure Belt Drive)

- Blades are curved for improved air performance while increasing their strength and rigidity.
- Back plate and inlet are stamped for consistency. They include a perimeter rim which enhances strength and improves balancing.
- Wheel assembly is robotically welded to provide extremely durable and consistent performance.
- Wheel is dynamically balanced. Balancing weights are mechanically attached to the inside of the rims of both the back plate and wheel inlet. This allows a precise placement of the weights anywhere within a full 360° range on two separate planes, without the possibility of detachment.

OPTIONS & ACCESSORIES

Finishes

Coatings such as Polyester Powder Coat, Epoxy Powder Coat, Phenolic Epoxy Powder Coat, and others are available. See the coatings brochure for details.

Mounting Pedestal

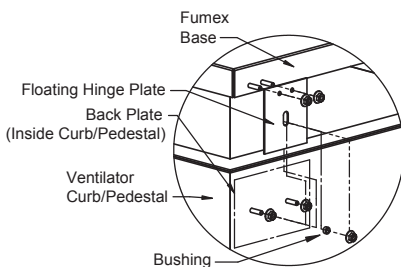
The 12" high mounting pedestal, available in aluminum or galvanized steel, incorporates a removable access panel for easy inspection and service of motor operated back draft dampers. It provides solid ventilator support and a weather resistant seal that does not injure or disturb flashing. This item should not be used with Fatrap units.

Hinged Sub-Base

Hinged sub-bases provide access to the curb well for damper service or clean out for grease applications. Constructed with a rust proof hinge arrangement and low height (3 1/2") the assembly is easily manipulated and reduces the impact on overall installation height. This accessory is available for use with most all models for either factory built or existing roof curbs.

Floating Hinge Kit

A floating hinge kit is also available for field installation. This assembly connects the exhauster directly to the roof curb and provides the same level of access as the hinged sub-base.



Aluminum Bird & Insect Screen

Bird screens are available for all direct and belt drive models. An aluminum insect screen with a smaller mesh than the standard bird screen is also available. However, please note that NFPA 96 installations do not allow the use of bird or insect screens. The requirements of local codes must be reviewed to determine if there are any conflicts.

Internal Wiring

NEMA 3R wiring is available for both direct and belt drive models.

Backdraft Dampers

Back draft dampers are available for either gravity or motorized operation (motor kit optional). Dampers feature square galvanized steel frame, multi-leaf, roll formed aluminum blades with nylon bearings. Back draft dampers should not be used when venting kitchen hoods. NFPA 96 installations do not allow the use of dampers. The requirements of local codes must be reviewed to determine if there are any conflicts.

Safety Disconnect Switch

Safety disconnect switches are available to allow positive electrical shut-off and safety. Switches are factory mounted when factory wiring is requested. Wiring is only run from the motor to the junction box. (Factory wiring of explosion proof applications is not available.) A wide range of NEMA rated enclosures with disconnect switches are available for indoor, outdoor, and explosion proof installations. Disconnects are to be field wired by a licensed electrician.



Firestat Switch

Firestat switch automatically disconnects the unit when the temperature of the air being exhausted exceeds a preset rating.



Time-Delay Switch

(Selected direct drive models only) The Airminder Model AM12 switch is a UL recognized and CSA certified time-delay relay that operates both the fan and room light to ventilate an area even after the occupants depart. In the "On" position, the Airminder turns the light and fan on immediately. In the "Off" position, the light goes off immediately and the fan is in operation for a period of time as preset from 1 to 60 minutes. Suitable only for 1/3 HP maximum at 120/1/60.



Speed Controllers

The Lek-Trol™ controller allows adjustment in speed to a maximum of 50% reduction, which results in a very cost effective means for system balancing. The device can be located under the fan dome to prevent unauthorized tampering or on the wall for ease of operation by the building occupants. (Available on direct drive units with ODP motors and some select TE motors. See reference table under Motor Availability)



Automatic Belt Tensioner

The factory mounted Automatic Belt Tensioner accessory eliminates the need for re-tensioning the belt after start-up. It is constructed from 10 gage galvanized steel and incorporates five torsion springs to automatically position the motor and maintain proper belt tension. Additional benefits include reduced belt and pulley wear and simplified belt replacement without tools. The Automatic Belt Tensioner is available for models EVU08B, EVU10B, EVU12BH, EVU13B, EVU13BHFT and EVU14B with 1/4, 1/2, 3/4, and 1 HP ODP motors. It can also be used with 1.5 HP, 3-phase ODP motors.

Spark Resistant Construction

AMCA 'B' construction is available as standard construction on direct drive units and as an option on belt drive units (not available on heat and smoke removal units). If required, an explosion proof motor and disconnect may be selected as options.

Wall Mounting

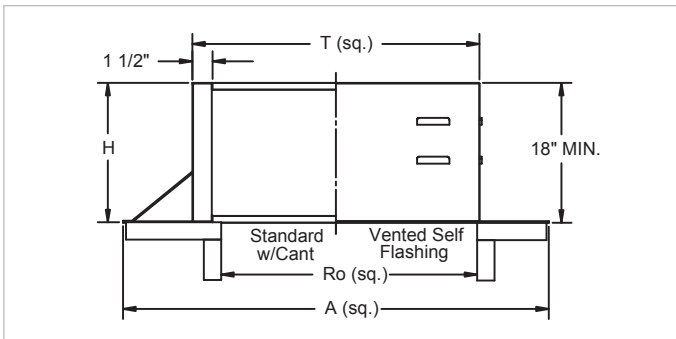
This option is provided as a separate product line, whose models include a "W" prefix. Product line includes models up to size 24, motors up to 2HP, and round bases (not available on heat and smoke removal units).

Prefabricated Curb

A variety of sizes of prefabricated roof curbs are available. Galvanized steel unibeam curbs are the most popular. For a complete listing of all curb types and sizes available, see the latest Roof Curb brochure. Please note that NFPA 96 installations require a specific curb height. See Fatrap configuration on the next page.

OPTIONS & ACCESSORIES

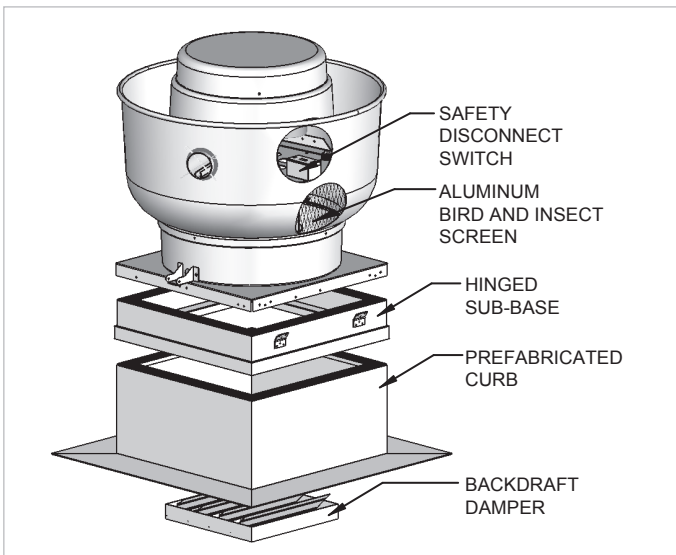
EVU Curb Dimensions



Model	E ⁽⁴⁾ SQ	T ⁽²⁾ SQ	A SQ	Ro ⁽³⁾ SQ	Damper Size SQ	Galv. Steel Gauge
EVU08S/R	18.5	17	25	9	8.75	18
EVU10S/R	18.5	17	25	11.5	11.25	18
EVU11V/S/R/Q	18.5	17	25	11.5	11.25	18
EVU13V/S/R/Q	18.5	17	25	11.5	11.25	18
EVU16V/S/R/Q1/Q2	20.5	19	27	16	15.75	18
EVU18V	28.5	27	35	20	19.75	18
EVU08B to EVU14B	24.75	23.25	31.25	16	15.75	18
EVU12BH	24.75	23.25	31.25	16	15.75	18
EVU13BHFT	24.75	23.25	31.25	16	15.75	18
EVU16B and EVU18B	28.5	27	35	20	19.75	18
EVU18BH	28.5	27	35	20	19.75	18
EVU24B	33.5	32	40	25	24.75	18
EVU24BH	33.5	32	40	25	24.75	18
EVU27B and EVU30B	36.5	35	43	28	27.75	18
EVU36B	44.5	43	51	36	35.5	18
MEVU50B	59	57.5	65.5	50	49.5	18

Standard heights "H" are 8", 12", and 18" including wood nailer. "T" dimension of curb is 1 1/2" less than the dimension of inside base of fan ("E"). "Ro" refers to Roof Opening. "E" dimension is inside base of fan. For FT (Fatrap) units, curbs are cantless, 18" high and optionally vented.

Exploded View



Fatrap Configuration

Fatrap configured fans are ideal for use in commercial kitchens over grilles, charcoal broilers, deep fat fryers, steam tables, ranges, dishwashers, and other appliances. These fans are specially configured for food service applications with the addition of a group of accessories that either meets a requirement or eases installation requirements according to NFPA 96. NFPA 96 "Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations" is the generally recognized authority nationwide for restaurant installation requirements. However, local codes may vary.

Included in the units are the following.

- **UL762 Listing:** Fatrap configured fans are listed at 400°F — 100°F higher than UL requirements. The high temperature rating is the result of the fan's highly efficient forced motor cooling capability. Three direct drive (sizes 13 – 18) and all belt drive models are listed.
- **Pre-wired Junction Box:** A weather-proof junction box is factory wired and mounted to the housing exterior. An appropriately sized disconnect switch is commonly selected as an additional option. These items meet the code requirements for positive electric shut-off.
- **Grease Collector/Separator Box:** Designed for easy installation, the grease is routed from a single swiveling collection spout to an amply sized durable galvanized steel box, trapping grease and residue, and avoiding discharge onto the roof surface. Additionally, these boxes separate the water from the grease, prolonging the time required between periodic maintenance.

Additional Fatrap Accessories

Ventilated Curbs and Pedestals: For buildings two stories or higher NFPA 96 requires the use of ventilated mounting curbs or pedestals to provide an approved arrangement for connecting a range hood and duct work to the roof fan. YORK® by Johnson Controls ventilated mounting curbs and pedestals (18" high) comply with that standard when properly installed. Ventilated curbs have a flat mounting flange for fastening directly to the roof deck. This flange should be securely fastened and flashed to ensure weather tightness. Ventilated pedestals are designed to fit on an existing curb. They provide cap flashing when so installed.

OPTIONS & ACCESSORIES

Heat & Smoke Removal Configuration

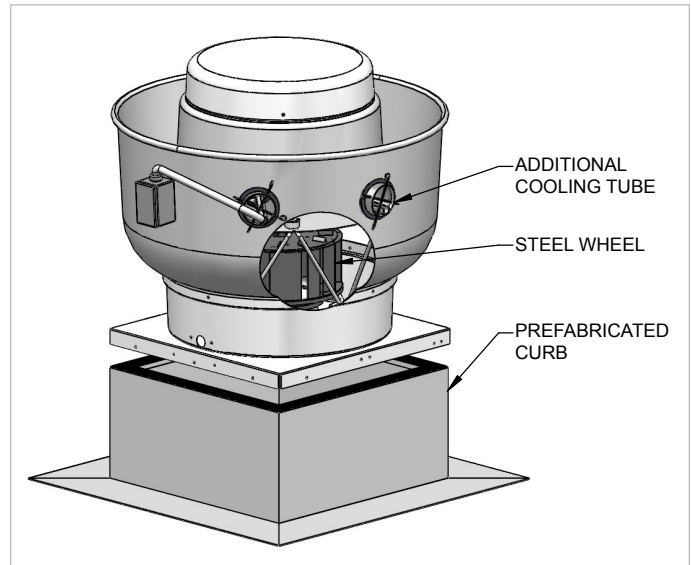
While EVU fans are commonly used for general ventilation, they are also designed to discharge contaminated or grease-laden air or fumes up and away from building surfaces with the Fatrap option. When equipped with the Heat and Smoke Removal option, this series of fans incorporates features exclusively designed to exhaust heat and smoke in the event of fire. During these emergencies, the fans are designed to operate at the temperature and time limits stated below. To maintain power to these fans during emergencies, special consideration must be made for field power supply. In the event of an emergency, if power is maintained, the units will operate for the times and temperatures indicated, after which they will continue to operate until they are destroyed by the extreme temperature generated during an actual fire, or their roof structure collapses.

For smoke control systems, Heat and Smoke Removal configured fans are listed per UL for emergency smoke removal, referencing UL705, UL793, Industrial Risk Insurers (IRI), and Southern Building Code Congress International (SBCCI).

The UL standard requires the fan to run at 500°F for 4 hours (IRI) and 1000°F for 15 minutes (SBCCI). Heat and Smoke Removal configured units are listed at 500°F for 4 hours and 1000°F for 1 hour. The additional 45 minutes at 1000°F will buy precious time in the event of a fire.

Steel Wheel: The wheel is a standard duty, all welded wheel (standard duty and high pressure belt drive). The blades are curved for improved air performance while increasing their strength and rigidity. The wheel assembly is fully welded to provide extremely durable and consistent performance. The wheel is dynamically balanced. Balancing weights are mechanically attached to the inside of the rims of both the back plate and wheel inlet. This allows a precise placement of the weights anywhere within a full 360° range on two separate planes, without the possibility of detachment.

Forced Motor Cooling: Motors and drive components are located out of the airstream in a separate compartment. Two cooling tubes are located between the motor dome and discharge apron which enables fresh air to be drawn into the motor compartment during fan operation. This allows the cooler outside air to wash over the motor and bearings. This positive cooling promotes longer life for the motor and drive components.



High Wind Construction

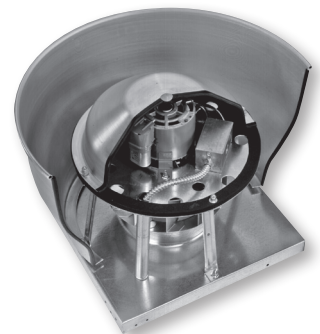
High wind construction EVU fans are specifically designed for high wind hurricane zones (HWHZ). These models are designed to withstand 150 MPH winds in accordance with Miami-Dade and Florida Building Code standards. The units are tested and certified through a 3rd party Professional Engineer (P.E.) to meet these strict standards. Installation details are provided and since there are no tie downs or external braces required for attaching the unit to the roof or curb this makes installation simple and easy. A wide range of sizes are offered to meet all of your ventilation needs, which includes all belt and direct drive sizes 36 and under.

Product Certifications:

- Miami-Dade NOA # 14-0311.03
- Florida Product Approval #12339
- Texas Department of Insurance # RV-48



*Belt Drive
Cutaway*



*Direct Drive
Cutaway*

MOTOR AVAILABILITY

Electronically Commutated Motors

EC motors provide significantly greater efficiency, flexibility, and controllability over standard direct drive permanent split capacitor (PSC) motors. Using the included potentiometer, these motors can be turned down to as low as 80% of the max operating speed while maintaining 90% efficiency through the operating range. Additionally, they can accept 0-10V input to tie to building management systems, allowing for savings in not only direct fan energy consumption but by reducing the exhaust of conditioned air during off peak hours as well. Motors come in open enclosure for usage with 115V-208V/230V, single phase, 50/60 Hz applications.

Model	Size	Tap	ECM HP
EVU / WEVU	08	S	0.33
	08	R	0.33
	10	S	0.33
	10	R	0.33
	11	V	0.33
	11	S	0.33
	11	R	0.33
	11	Q	0.33
	13	V	0.33
	13	S	0.33
	13	R	0.33
	13	Q	0.33
	16	V	0.33
	16	S	0.50
	16	R	0.50
	16	Q1	0.50
	16	Q2	0.75
	18	V	0.75

Variable Speed Motor Control

YORK® by Johnson Controls offers Lek-Trol™ solid state controllers to alter the high speed of most direct drive motors by as much as 50%. If variable speed is required, check the Lek-Trol™ availability table below to verify that controllers exist for the fan model selected. Remember, Lek-Trol™ controllers are currently only available for direct drive motors including all standard Open Drip Proof (ODP) 60 Hz motors. Not all totally enclosed motors are currently available with variable speed control. Inverter rated motors suitable for use with variable frequency drives can be supplied for belt drive models. Contact your local representative for availability.

Available Lek-Trol™ Speed Controls

Model	60 Hz					50 Hz		
	ODP	Totally Enclosed				Totally Enclosed		
	115V	115V	200V	208V	230V	110V	220V	240V
EVU08S	-	-	-	-	-	-	-	-
EVU08R	LT25	-	-	-	-	-	-	-
EVU10S	-	-	-	-	-	-	-	-
EVU10R	LT30	LT30	LT35	LT35	LT35	LT30	LT35	LT35
EVU11V	-	-	-	-	-	-	-	-
EVU11S	-	-	-	-	-	-	-	-
EVU11R	LT30	-	-	-	-	-	-	-
EVU11Q	LT50	-	-	-	-	-	-	-
EVU13V	-	-	-	-	-	-	-	-
EVU13S	-	-	-	-	-	-	-	-
EVU13R	LT30	LT30	LT35	LT35	LT35	LT50	LT35	LT35
EVU13Q	LT45	LT50	LT35	LT35	LT35	LT50	LT35	LT35
EVU16V	-	-	-	-	-	-	-	-
EVU16S	-	-	-	-	-	-	-	-
EVU16R	LT50	-	-	-	-	-	-	-
EVU16Q1	LT40	-	-	-	-	-	-	-
EVU16Q2	LT75	-	-	-	-	-	-	-
EVU18V	LT60	-	-	-	-	-	-	-

Lek-Trols™ indicated for multi-speed models (eg., EVU16V/S/R) are applicable only for the high speed. Do not use on low or medium speed for multi-speed models. Items noted with (-) are not applicable.

MOTOR AVAILABILITY

Direct Drive Motor Availability

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

Model	Nominal RPM				1 Phase								
	1050 V	1300 S	1550 R	1725 Q	115 Volts			200 - 240 Volts					
					Open Drip Proof	Totally Enclosed	Explosion Proof	Open Drip Proof	Totally Enclosed	50 hz	50 C Ambient	Explosion Proof (4)	
EVU08S/R	-	x	x	-	yes	yes (1)	-	Use TE Motors	yes (1)	yes (1)	yes (1)	-	
EVU10S/R	-	x	x	-	yes	yes (1)	-		yes (1)	yes (1)	yes (1)	-	
EVU11V/S/R	x	x	x	-	yes	yes (1)	-		yes (1)	yes (1)	yes (1)	-	
EVU11Q	-	-	-	x	yes	yes	yes		yes	yes	yes	yes (5)	
EVU13V/S/R	x	x	x	-	yes	yes (1)	-		yes (1)	yes (1)	yes (1)	-	
EVU13Q	-	-	-	x	yes	yes	yes		yes	yes	yes	yes (5)	
EVU16V/S/R	x	x	x	-	yes	yes (1)	-		yes (1)	yes (1)	yes (1)	-	
EVU16Q1	-	-	-	x (3)	yes	-	-		-	-	-	-	
EVU16Q2	-	-	-	x	yes	yes	yes		yes	yes	yes	yes (5)	
EVU18V	x	-	-	-	yes	-	-		-	-	-	-	

Model	Nominal RPM				3 Phase	
	1050 V	1300 S	1550 R	1725 Q	200 - 460 Volts (2)	
					Explosion Proof (4)	
EVU08S/R	-	x	x	-	-	
EVU10S/R	-	x	x	-	-	
EVU11V/S/R	x	x	x	-	-	
EVU11Q	-	-	-	x	yes (6)	
EVU13V/S/R	x	x	x	-	-	
EVU13Q	-	-	-	x	yes (6)	
EVU16V/S/R	x	x	x	-	-	
EVU16Q1	-	-	-	x (3)	-	
EVU16Q2	-	-	-	x	yes (6)	
EVU18V	x	-	-	-	-	

(1) High speed only.

(2) 200V - 240V, 380V, 415V, 460V.

(3) Nominal 1650 RPM.

(4) Cls. I, Grp. D, Div. I / Cls. II, Grp. F & G, Div. I., Not available with 50 Hz.

(5) 230V only. Not available in 200V or 208V.

(6) 230V and 460V only.

EVU08 - EVU13 | DIRECT DRIVE

Performance Data Overview

Direct drive models are available with single and multi-speed motors. Multi-speed motors (eg., EVU16V/S/R) are designated: V (1050 RPM), S (1300 RPM), and R (1550 RPM). EVU18V is an exception, being a single speed motor. Q, Q2 (1725 RPM) and Q1 (1650 RPM) are single speed motors. A single EVU fan may be suitable for several requirements by a simple wiring change. This feature provides flexibility for a variety of

reasons, including energy savings, off hours requirements, future expansion, or unexpected field variations.

Direct drive models are available in six sizes (8, 10, 11, 13, 16, and 18). Capacities up to 4500 CFM, with static pressures to 1 1/2".

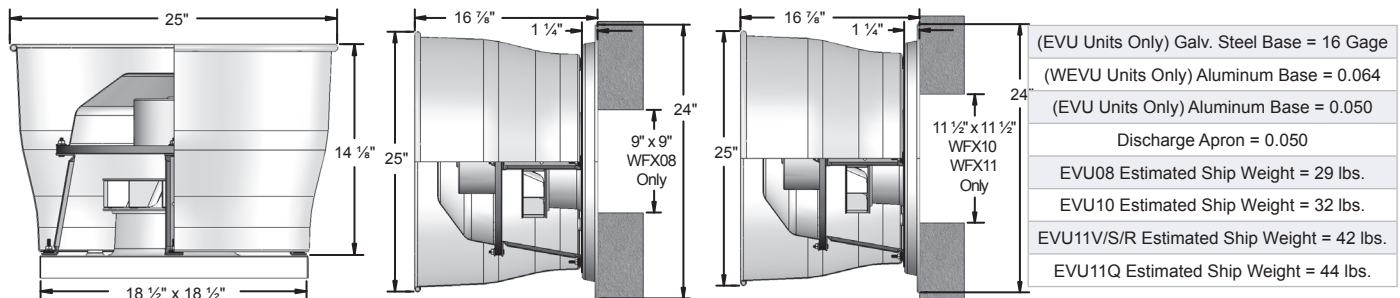
By using Lek-Trol™ variable speed controllers, the high speed flow rate of most models can be reduced by as much

as 50%. Do not use Lek-Trol™ on medium or low speed for multi-speed models.

When compared to belt drive models, direct drive fans require less maintenance, have a simpler construction, cost less, and are lighter in weight.

Performances in 50 Hz applications will be less than shown below; consult your local representative.

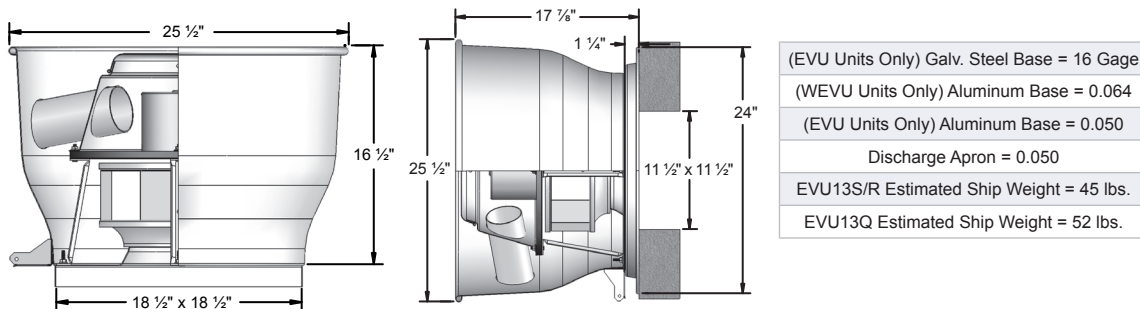
EVU08 - EVU11



Model	Nominal			Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP	
	HP	Max Watts	RPM		CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones
EVU08S	1/50	44	1300	3361	247	1.3	150	2.0	94	3.2	54	4.3	-	-	-	-	-	-	-	-
EVU08R	1/30	55	1550	4007	288	2.4	205	2.9	154	3.5	112	4.4	72	5.2	-	-	-	-	-	-
EVU10S	1/25	85	1300	3361	400	3.5	309	3.8	246	4.1	194	4.6	152	5.0	109	5.5	57	6.1	-	-
EVU10R	1/12 ⁽¹⁾	122	1550	4007	570	6.2	500	6.6	440	6.8	385	6.8	325	6.8	251	6.9	170	7.1	-	-
EVU11V	1/25	103	1050	3058	406	1.9	225	2.2	151	3.6	119	4.2	87	4.8	57	5.5	-	-	-	-
EVU11S	1/11	142	1300	3786	534	3.9	414	4.2	337	5.1	273	5.9	223	6.2	177	6.5	129	6.9	-	-
EVU11R	1/6 ⁽²⁾	199	1550	4514	760	7.6	667	7.4	586	7.6	512	7.9	434	8.9	359	9.6	283	9.6	118	9.7
EVU11Q	1/5	255	1725	5024	1034	10.7	959	10.5	883	10.5	804	10.5	722	10.6	631	10.9	538	10.7	313	9.7

(1) TE motor is 1/6 Hp. (2) TE motor is 1/7 Hp. See additional notes on page 11.

EVU13

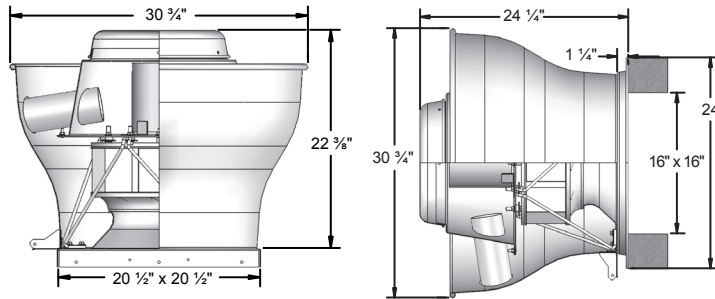


Model	Nominal			Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP	
	HP	Max Watts	RPM		CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones
EVU13V	1/20	113	1050	3221	640	4.2	469	2.8	317	2.4	250	3.1	197	3.8	149	4.5	106	5.2	-	-	-	-
EVU13S	1/12	148	1300	3988	845	7.4	735	6.4	612	5.2	492	5.0	404	5.3	334	5.7	270	6.1	136	7.0	-	-
EVU13R	1/6	188	1550	4755	1057	10.5	980	10.1	908	9.6	825	8.6	733	8.1	646	8.1	561	8.2	376	8.2	144	8.5
EVU13Q	1/4	343	1725	5292	1261	13.6	1198	13.0	1143	12.6	1093	12.1	1033	11.7	973	11.2	909	10.8	757	10.1	515	9.6

See notes on page 11.

EVU16 - EVU18 | DIRECT DRIVE

EVU16

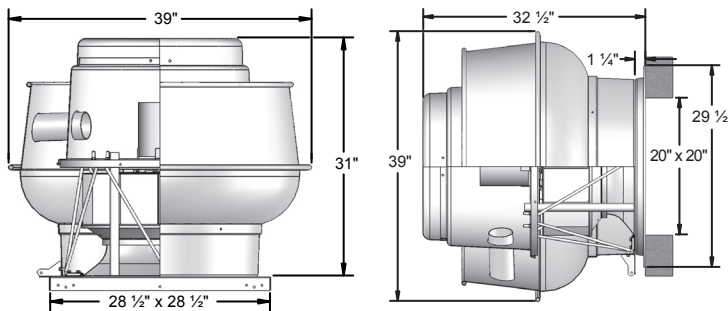


(EVU Units Only) Galv. Steel Base = 16 Gage
Aluminum Base = 0.064
Discharge Apron = 0.064
EVU16Q Estimated Ship Weight = 71 lbs.

Model	Nominal			Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP	
	HP	Max Watts	RPM		CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones
EVU16V	1/6	485	1050	3788	1604	7.9	1358	6.5	1128	5.5	951	5.8	801	6.3	705	6.9	644	7.7	522	9.2	384	9.3	230	9.7
EVU16S	1/3	527	1300	4690	1874	10.7	1693	9.5	1514	8.6	1326	8.0	1158	7.6	1023	7.7	913	8.2	735	9.6	572	9.7	379	9.9
EVU16R	1/3 ⁽¹⁾	590	1550	5592	2140	12.8	1994	11.9	1849	11.0	1709	10.2	1561	9.9	1410	9.6	1269	9.4	1033	9.7	812	11.1	583	10.8
EVU16Q1	1/2	715	1650	5953	2531	15.2	2432	14.7	2332	14.2	2232	13.7	2114	13.1	1992	12.5	1868	11.9	1582	11.0	1320	11.5	1001	12.1
EVU16Q2	3/4	890	1725	6223	2822	17.1	2753	16.8	2684	16.5	2594	16.1	2501	15.7	2418	15.4	2331	15.1	2119	14.2	1872	14.1	1566	14.2

(1) TE motor is 1/2 Hp. See additional notes at bottom of page.

EVU18



(EVU Units Only) Galv. Steel Base = 16 Gage
Aluminum Base = 0.064
Discharge Apron = 0.080
EVU18V Estimated Ship Weight = 87 lbs.

Model	Nominal			Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP	
	HP	Max Watts	RPM		CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones
EVU18V	3/4	969	1075	6029	4489	21.0	4333	21.0	4177	20.0	4011	19.1	3831	18.1	3652	17.6	3455	17.2	3023	16.5	2431	17.5	1447	20.0

Performance shown is for installation Type A: Free Inlet, Free Outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for Installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the air stream.

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

DIRECT DRIVE PERFORMANCE DATA

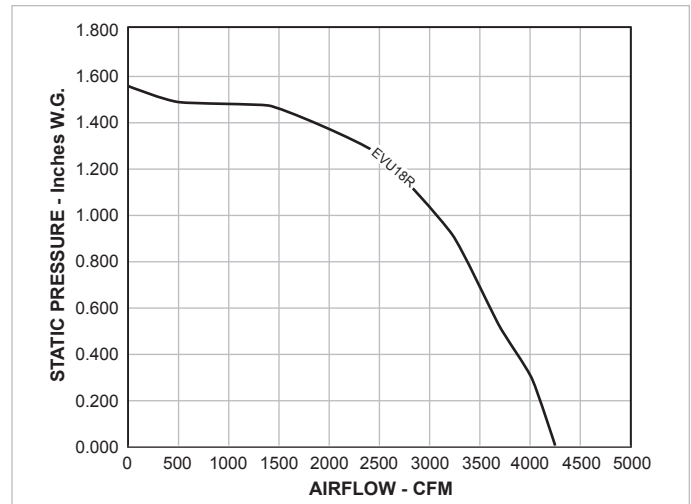
Fan Curves

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

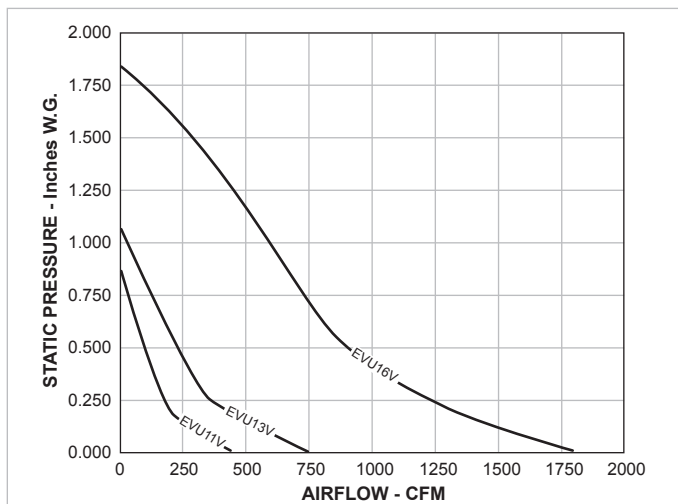
The direct drive performance charts on the previous pages provides the tabular data (CFM and static pressure) used to plot the fan curves. In addition, the horsepower tip speed and sones are tabulated. Since sound is normally an important factor in the selection of a fan, an engineer will usually want to select the "slowest" unit which meets CFM and SP requirements.

Please refer to the Motor Availability section to make sure the motor you select meets your electrical requirements.

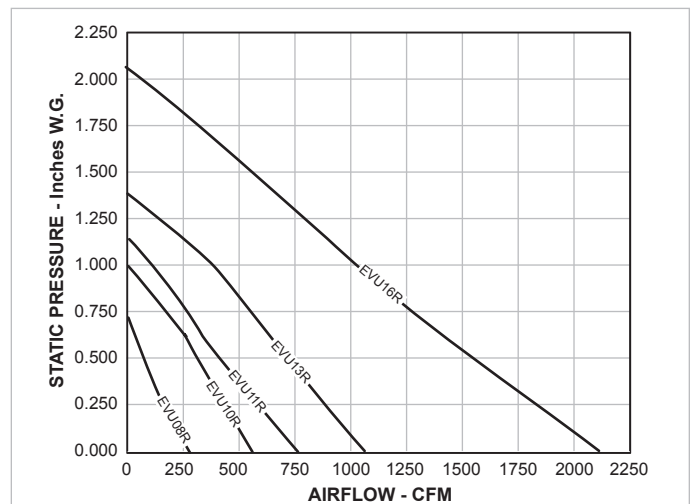
Nominal 1075 RPM



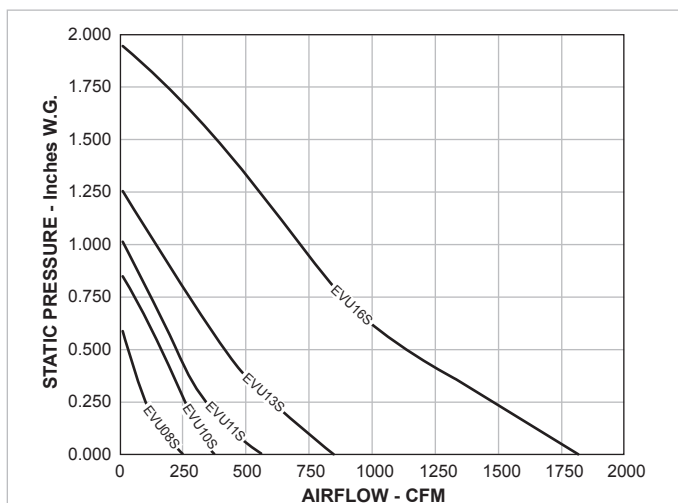
Nominal 1050 RPM



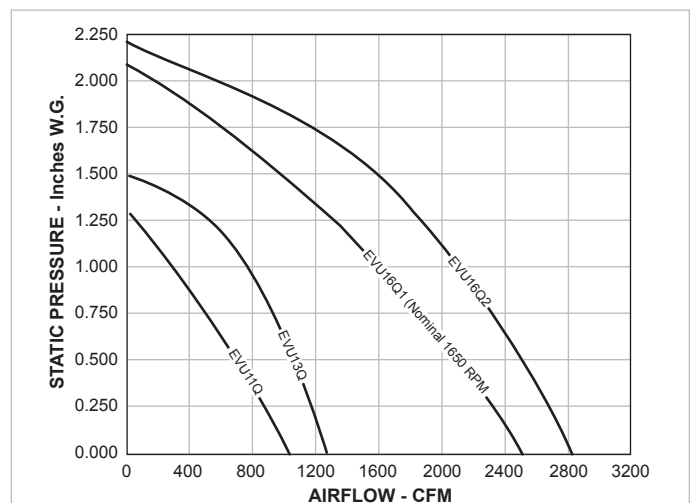
Nominal 1550 RPM



Nominal 1300 RPM



Nominal 1725 RPM



EVU-Series fans are only one component of a total system. As such, fan performance is directly affected by the system. It is critical that system designers determine the actual system loss to ensure that the actual flow is specified in the system design. Performance shown is for installation Type A: Free Inlet, Free Outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances in the air stream.

BELT DRIVE PERFORMANCE DATA

Performance Data

The belt drive models shown on the following pages have sizes and capacities ranging from below 250 CFM to above 30,000 CFM, with static pressures from 0" to 4". All models are available with a wide range of horsepower sizes and RPM's. Two-speed motors are commonly used to enhance this flexibility.

The data provided for each belt drive model includes:

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

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

Some models have graphs that show both shaded and unshaded areas. Selection should be made from the unshaded area only. Shaded areas reflect unstable performance ("surge"), a characteristic typical of backward inclined wheels, and should be avoided. These unstable regions are not shown in the tabular data.

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

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

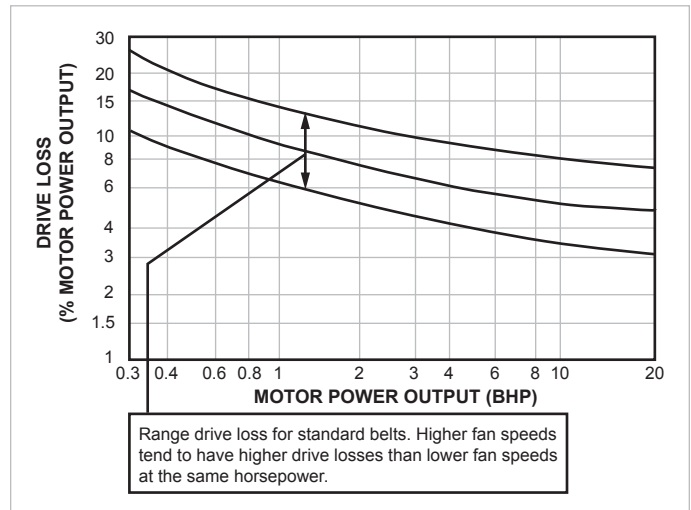
Use the Motor Availability chart (see Motor Selection) to select motor enclosures and voltages which can be installed in the fans.

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

Belt Drive Losses

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

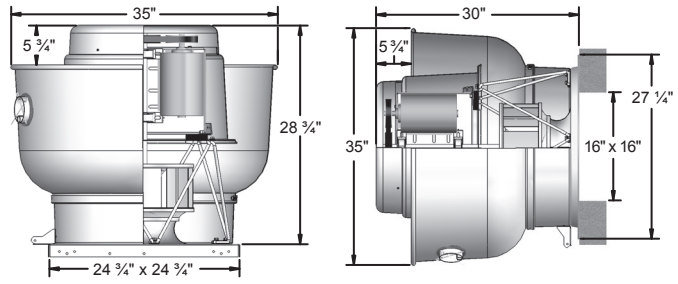
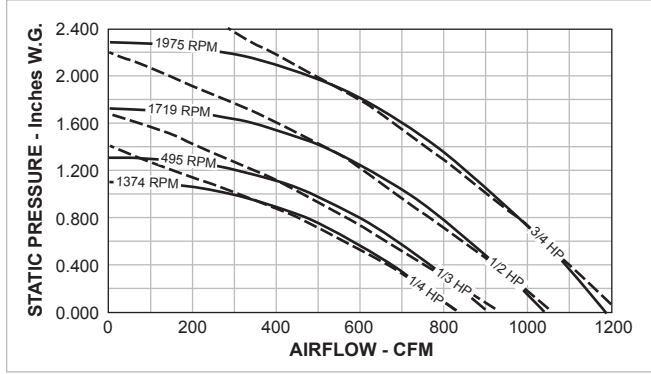
Drive Loss Reference Chart



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

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

EVU08B | BELT DRIVE



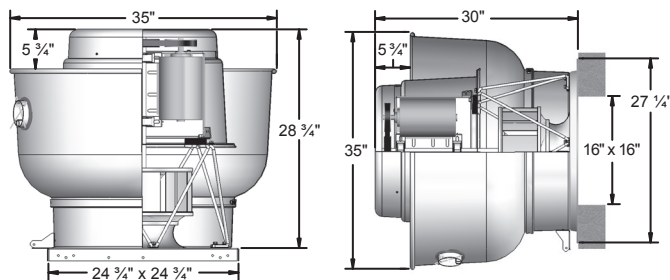
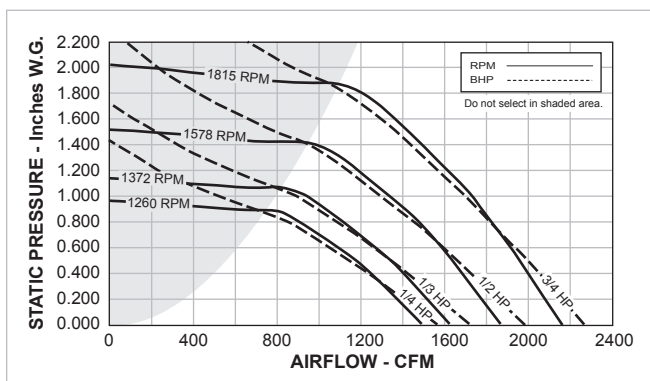
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = $(RPM/2126)^2$
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2085
Discharge Apron = 0.064	Max. Motor Frame Size = 55	Est. Ship Weight = 96 lbs.*

* Add 8 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.125" SP			
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	350	1191	208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			1.7	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	525	1787	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			4.2	0.01	4.2	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	700	2382	416	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			4.5	0.03	4.4	0.03	4.2	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	875	2978	520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			5.9	0.06	5.8	0.07	5.6	0.07	5.3	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1050	3574	624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			8.0	0.11	7.9	0.11	7.6	0.12	7.3	0.12	6.9	0.12	6.0	0.10	-	-	-	-	-	-	-	-	-	-
1225	4169	728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		10.6	0.17	10.4	0.18	10.2	0.18	9.8	0.18	9.4	0.19	9.0	0.19	8.3	0.18	-	-	-	-	-	-	-	-	
1374	4676	817	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		12.1	0.25	11.9	0.25	11.6	0.25	11.3	0.26	11.0	0.26	10.7	0.27	10.3	0.26	9.9	0.26	9.2	0.24	-	-	-	-	
1/3	1410	4799	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			12.6	0.27	12.3	0.27	12.1	0.27	11.8	0.27	11.4	0.28	11.1	0.29	10.8	0.29	10.4	0.28	9.9	0.27	9.0	0.23	-	-
	1440	4901	856	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			13.0	0.28	12.7	0.29	12.5	0.29	12.2	0.29	11.8	0.30	11.5	0.30	11.2	0.31	10.9	0.30	10.4	0.29	10.4	0.29	9.7	0.27
1470	5003	874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		13.4	0.30	13.2	0.31	12.9	0.31	12.6	0.31	12.3	0.32	11.9	0.32	11.6	0.33	11.3	0.32	11.0	0.31	11.0	0.31	10.3	0.30	
1495	5088	889	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		13.8	0.32	13.5	0.32	13.3	0.33	13.0	0.33	12.7	0.33	12.3	0.34	11.9	0.34	11.6	0.34	11.4	0.33	11.4	0.33	10.9	0.32	
1/2	1535	5224	912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			14.3	0.34	14.0	0.35	13.8	0.35	13.5	0.35	13.2	0.36	12.9	0.37	12.5	0.37	12.1	0.37	11.8	0.37	11.8	0.37	11.5	0.35
	1565	5326	930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			14.6	0.36	14.4	0.37	14.1	0.37	13.8	0.37	13.5	0.38	13.2	0.39	12.8	0.39	12.5	0.39	12.1	0.39	12.1	0.39	11.9	0.38
	1595	5428	948	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			14.9	0.39	14.0	0.39	14.5	0.40	14.2	0.40	13.9	0.40	13.5	0.41	13.2	0.41	12.9	0.42	12.5	0.41	12.5	0.41	12.3	0.41
	1630	5548	969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			15.4	0.41	15.1	0.42	14.9	0.42	14.6	0.42	14.3	0.42	14.0	0.43	13.6	0.44	13.3	0.44	13.0	0.44	13.0	0.44	12.7	0.44
	1665	5667	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			15.8	0.44	16.7	0.44	15.3	0.45	15.1	0.45	14.8	0.45	14.5	0.46	14.1	0.47	13.8	0.47	13.5	0.48	13.5	0.48	13.1	0.47
1695	5769	1008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		16.2	0.46	17.1	0.47	15.7	0.47	15.5	0.48	15.2	0.48	14.9	0.48	14.6	0.49	14.2	0.50	13.9	0.50	13.9	0.50	13.6	0.50	
1719	5850	1022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		16.6	0.48	16.4	0.49	16.1	0.49	15.9	0.50	15.6	0.50	15.2	0.50	14.9	0.51	14.6	0.52	14.3	0.52	14.3	0.52	13.9	0.52	
3/4	1755	5973	1043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			17.1	0.51	16.9	0.52	16.7	0.52	16.4	0.53	16.2	0.53	15.8	0.53	15.5	0.54	15.2	0.55	14.8	0.55	14.8	0.55	14.5	0.56
	1795	6109	1067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			17.7	0.55	17.5	0.56	17.3	0.56	17.0	0.56	16.8	0.56	16.5	0.57	16.2	0.58	15.8	0.58	15.5	0.59	15.5	0.59	15.2	0.59
	1830	6228	1088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			18.3	0.58	18.1	0.59	17.8	0.59	17.6	0.60	17.4	0.60	17.1	0.60	16.8	0.61	16.5	0.62	16.2	0.62	16.2	0.62	15.9	0.63
	1860	6330	1106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			18.8	0.61	18.6	0.62	18.4	0.62	18.1	0.63	17.9	0.63	17.6	0.63	17.3	0.64	17.0	0.65	16.7	0.66	16.7	0.66	16.4	0.66
	1890	6432	1124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			19.4	0.64	19.1	0.65	18.9	0.65	18.6	0.66	18.4	0.66	18.1	0.66	17.8	0.67	17.5	0.68	17.2	0.68	17.2	0.68	17.0	0.69
1920	6535	1141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		19.8	0.67	19.6	0.68	19.4	0.68	19.1	0.69	18.9	0.69	18.6	0.69	18.3	0.70	18.0	0.71	17.7	0.72	17.7	0.72	17.4	0.72	
1950	6637	1159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		20.0	0.70	20.0	0.71	19.8	0.72	19.6	0.72	19.3	0.72	19.1	0.72	18.8	0.73	18.5	0.74	18.2	0.75	18.2	0.75	17.9	0.75	
1975	6722	1174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		21.0	0.73	20.0	0.74	20.0	0.74	20.0	0.75	19.7	0.75	19.5	0.75	19.1	0.76	18.8	0.77	18.6	0.78	18.6	0.78	18.3	0.78	

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU10B | BELT DRIVE



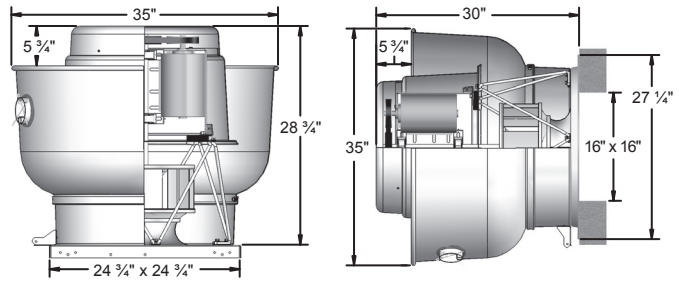
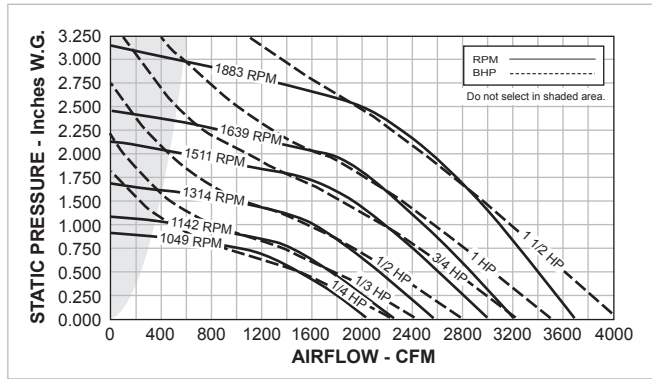
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1869) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2085
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 96 lbs.*

* Add 8 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.125" SP		1.250" SP			
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	600	2042	714		543		-		-		-		-		-		-		-		-		-	
			5.9	0.02	5.7	0.03	-		-		-		-		-		-		-		-		-	
	750	2553	892		765		596		-		-		-		-		-		-		-		-	
			6.7	0.05	6.6	0.05	6.5	0.06	-		-		-		-		-		-		-		-	
	900	3063	1071		968		854		696		-		-		-		-		-		-		-	
			7.3	0.08	7.1	0.09	7.1	0.09	7.1	0.10	-		-		-		-		-		-		-	
1000	3403	1190		1097		998		874		730		-		-		-		-		-		-		
		8.6	0.11	8.4	0.12	8.3	0.13	8.3	0.13	8.4	0.13	-		-		-		-		-		-		-
1100	3744	1309		1225		1136		1042		915		780		-		-		-		-		-		
		10.4	0.14	10.2	0.15	10.0	0.16	9.9	0.17	9.9	0.18	9.9	0.18	-		-		-		-		-		-
1260	4288	1499		1426		1352		1271		1187		1076		961		-		-		-		-		
		13.5	0.22	13.2	0.23	13.0	0.24	12.7	0.25	12.6	0.26	12.6	0.26	12.6	0.26	-		-		-		-		-
1/3	1300	4424	1547		1476		1404		1327		1249		1144		1035		-		-		-		-	
			13.9	0.24	13.6	0.25	13.4	0.26	13.1	0.27	13.0	0.28	12.9	0.29	12.9	0.29	-		-		-		-	
	1325	4509	1577		1507		1437		1361		1285		1187		1080		-		-		-		-	
			14.2	0.25	13.9	0.26	13.7	0.28	13.4	0.29	13.2	0.30	13.1	0.31	13.1	0.31	-		-		-		-	
	1350	4595	1607		1538		1469		1396		1320		1229		1125		892		-		-		-	
			14.4	0.27	14.2	0.28	13.9	0.29	13.7	0.30	13.4	0.31	13.4	0.32	13.3	0.32	13.3	0.32	-		-		-	
1372	4669	1633		1565		1497		1426		1352		1266		1164		943		-		-		-		
		14.7	0.28	14.5	0.29	14.2	0.31	13.9	0.32	13.7	0.33	13.6	0.33	13.5	0.34	13.5	0.34	-		-		-		-
1/2	1390	4731	1654		1587		1521		1450		1377		1296		1195		984		-		-		-	
			15.0	0.29	14.7	0.30	14.5	0.32	14.2	0.33	13.9	0.34	13.8	0.35	13.6	0.35	13.6	0.35	-		-		-	
	1420	4833	1690		1624		1559		1491		1419		1345		1247		1044		909		-		-	
			15.4	0.31	15.2	0.32	14.9	0.34	14.6	0.35	14.3	0.36	14.1	0.37	13.9	0.37	13.9	0.38	13.9	0.38	13.9	0.38	-	
	1450	4935	1726		1662		1597		1531		1461		1391		1298		1100		988		-		-	
			15.9	0.33	15.7	0.34	15.4	0.36	15.1	0.37	14.8	0.38	14.6	0.39	14.4	0.40	14.3	0.40	14.3	0.40	14.3	0.40	-	
	1475	5020	1755		1692		1629		1565		1496		1427		1340		1147		1045		-		-	
			16.3	0.35	16.1	0.36	15.9	0.38	15.6	0.39	15.3	0.40	15.0	0.41	14.8	0.42	14.6	0.42	14.6	0.42	14.6	0.42	-	
	1500	5105	1785		1723		1661		1599		1531		1463		1382		1193		1096		968		-	
			16.7	0.36	16.5	0.38	16.3	0.39	16.0	0.41	15.7	0.42	15.4	0.43	15.1	0.44	14.9	0.44	14.9	0.44	14.9	0.44	14.9	0.44
	1525	5190	1815		1754		1693		1632		1565		1498		1423		1239		1143		1034		-	
			17.0	0.38	16.8	0.40	16.6	0.41	16.3	0.43	15.9	0.44	15.6	0.45	15.3	0.46	15.0	0.47	15.0	0.47	15.0	0.47	15.0	0.47
1550	5275	1845		1785		1725		1665		1600		1534		1465		1284		1190		1091		-		
		17.2	0.40	17.0	0.42	16.8	0.43	16.5	0.45	16.2	0.46	15.8	0.47	15.6	0.48	15.1	0.49	15.1	0.49	15.1	0.49	15.1	0.49	
1578	5371	1878		1819		1760		1701		1638		1573		1509		1333		1241		1149		-		
		17.4	0.42	17.2	0.44	17.0	0.46	16.8	0.47	16.4	0.48	16.1	0.49	15.8	0.51	15.3	0.52	15.3	0.52	15.3	0.52	15.3	0.52	
3/4	1600	5445	1904		1846		1788		1730		1668		1604		1541		1371		1282		1191		-	
			17.6	0.44	17.4	0.46	17.2	0.47	16.9	0.49	16.6	0.50	16.3	0.51	16.0	0.53	15.4	0.54	15.4	0.54	15.4	0.54		
	1630	5548	1940		1883		1826		1769		1709		1646		1584		1423		1336		1247		-	
			17.8	0.47	17.6	0.48	17.4	0.50	17.2	0.52	16.9	0.53	16.6	0.54	16.2	0.55	15.5	0.57	15.5	0.57	15.5	0.57		
	1660	5650	1976		1920		1864		1808		1749		1688		1627		1474		1390		1302		-	
			18.0	0.49	17.9	0.51	17.7	0.53	17.5	0.54	17.2	0.56	16.9	0.57	16.5	0.58	15.8	0.60	15.7	0.60	15.7	0.60		
	1695	5769	2017		1962		1908		1853		1796		1736		1676		1534		1451		1367		-	
			18.4	0.53	18.2	0.54	18.1	0.56	17.9	0.58	17.6	0.59	17.3	0.60	16.9	0.62	16.2	0.63	16.0	0.64	16.0	0.64		
	1730	5888	2059		2005		1952		1898		1843		1784		1726		1592		1511		1430		-	
			18.8	0.56	18.6	0.58	18.5	0.59	18.3	0.61	18.0	0.63	17.7	0.64	17.4	0.65	16.7	0.67	16.3	0.68	16.3	0.68		
	1765	6007	2101		2048		1995		1943		1890		1832		1775		1650		1571		1492		-	
			19.3	0.59	19.2	0.61	19.0	0.63	18.9	0.65	18.6	0.66	18.3	0.68	18.0	0.69	17.3	0.71	16.8	0.72	16.7	0.72		
1790	6092	2130		2078		2027		1975		1923		1866		1810		1692		1613		1535		-		
		19.8	0.62	19.6	0.64	19.5	0.66	19.4	0.67	19.0	0.69	18.7	0.70	18.4	0.72	17.7	0.74	17.3	0.75	17.0	0.75			
1815	6177	2160		2109		2058		2007		1955		1900		1844		1732		1655		1578		-		
		20.0	0.65	20.0	0.66	20.0	0.68	19.9	0.70	19.6	0.72	19.2	0.73	18.9	0.75	18.2	0.77	17.8	0.78	17.3	0.78			

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU12BH | BELT DRIVE



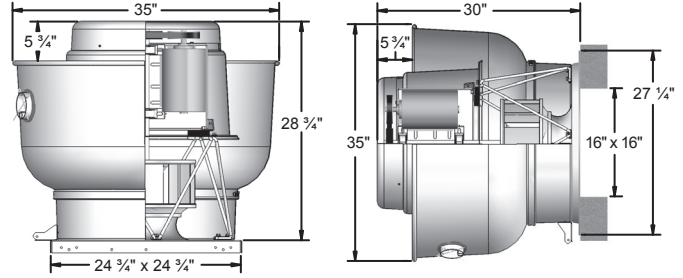
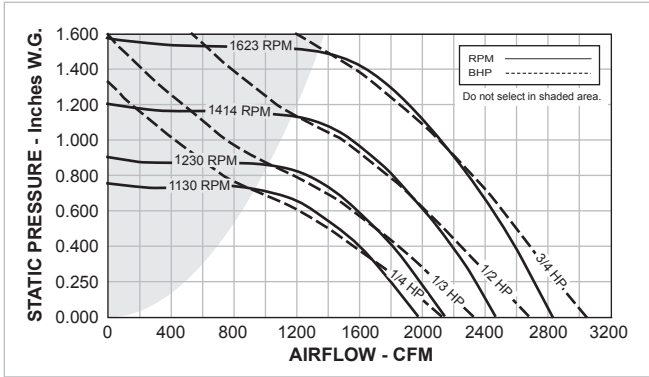
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1632) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2440
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 109 lbs.*

* Add 8 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP			
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	840	3491	1320		794		-		-		-		-		-		-		-		-		-	
			7.4	0.13	7.0	0.13	-		-		-		-		-		-		-		-		-	
	880	3657	1416		1005		-		-		-		-		-		-		-		-		-	
			8.4	0.14	7.7	0.16	-		-		-		-		-		-		-		-		-	
	920	3824	1509		1140		-		-		-		-		-		-		-		-		-	
			9.0	0.16	8.4	0.18	-		-		-		-		-		-		-		-		-	
970	4031	1624		1299		500		-		-		-		-		-		-		-		-		
		9.2	0.19	8.8	0.21	9.1	0.16	-		-		-		-		-		-		-		-		
1049	4360	1801		1518		1105		-		-		-		-		-		-		-		-		
		10.1	0.23	9.8	0.26	10.0	0.26	-		-		-		-		-		-		-		-		
1/3	1105	4592	1924		1661		1325		425		-		-		-		-		-		-		-	
			10.8	0.27	10.6	0.29	10.6	0.31	10.9	0.22	-		-		-		-		-		-		-	
1142	4746	2004		1754		1445		776		-		-		-		-		-		-		-		
		11.1	0.29	10.9	0.32	11.0	0.34	11.3	0.29	-		-		-		-		-		-		-		
1/2	1175	4883	2075		1836		1551		1028		-		-		-		-		-		-		-	
			11.5	0.32	11.2	0.35	11.2	0.37	11.7	0.35	-		-		-		-		-		-		-	
	1200	4987	2128		1897		1626		1212		-		-		-		-		-		-		-	
			11.8	0.34	11.6	0.37	11.4	0.39	12.0	0.39	-		-		-		-		-		-		-	
	1235	5133	2203		1981		1725		1382		470		-		-		-		-		-		-	
			12.1	0.37	12.1	0.40	11.8	0.42	12.4	0.43	12.5	0.31	-		-		-		-		-		-	
1280	5320	2298		2085		1846		1543		896		-		-		-		-		-		-		
		12.4	0.40	12.7	0.44	12.4	0.46	12.7	0.48	13.1	0.42	-		-		-		-		-		-		
1314	5461	2369		2164		1934		1654		1151		-		-		-		-		-		-		
		12.6	0.43	13.1	0.47	12.9	0.50	13.1	0.52	13.6	0.49	-		-		-		-		-		-		
3/4	1340	5569	2423		2224		2000		1738		1343		374		-		-		-		-		-	
			12.8	0.46	13.4	0.50	13.3	0.53	13.4	0.55	14.1	0.54	14.0	0.36	-		-		-		-		-	
	1375	5715	2496		2304		2089		1847		1522		737		-		-		-		-		-	
			13.1	0.49	13.8	0.53	13.8	0.57	13.8	0.59	14.6	0.59	14.6	0.48	-		-		-		-		-	
	1400	5818	2547		2360		2151		1918		1622		963		-		-		-		-		-	
			13.2	0.52	14.1	0.56	14.1	0.59	14.2	0.62	14.7	0.63	15.0	0.54	-		-		-		-		-	
1435	5964	2620		2439		2238		2017		1738		1228		-		-		-		-		-		
		13.5	0.56	14.5	0.60	14.6	0.64	14.7	0.66	13.4	0.55	15.7	0.63	-		-		-		-		-		
1462	6076	2675		2500		2305		2090		1826		1428		564		-		-		-		-		
		13.9	0.59	14.9	0.63	15.0	0.67	15.1	0.69	15.5	0.71	16.2	0.69	16.1	0.51	-		-		-		-		
1511	6280	2775		2609		2422		2217		1984		1686		1029		-		-		-		-		
		14.7	0.65	15.7	0.69	16.0	0.73	16.0	0.76	16.2	0.78	17.0	0.79	17.0	0.68	-		-		-		-		
1	1540	6400	2835		2672		2490		2291		2073		1799		1253		-		-		-		-	
			15.0	0.68	15.9	0.73	16.3	0.77	16.3	0.80	16.5	0.82	17.2	0.83	17.6	0.76	-		-		-		-	
	1586	6592	2928		2772		2597		2408		2204		1950		1593		835		-		-		-	
			15.5	0.74	16.3	0.79	16.7	0.83	16.8	0.87	16.9	0.89	17.4	0.91	18.4	0.89	18.3	0.73	-		-		-	
1600	6650	2957		2802		2629		2443		2243		1996		1675		964		-		-		-		
		15.7	0.76	16.4	0.81	16.9	0.85	16.9	0.89	17.1	0.92	17.6	0.93	18.6	0.93	18.5	0.78	-		-		-		
1639	6812	3036		2886		2719		2540		2349		2121		1850		1285		-		-		-		
		16.2	0.81	16.8	0.87	17.3	0.91	17.3	0.95	17.5	0.98	17.9	1.00	18.9	1.00	19.1	0.91	-		-		-		
1 1/2	1675	6961	3109		2963		2801		2629		2442		2236		1981		1552		817		-		-	
			16.7	0.87	17.3	0.92	17.8	0.97	17.8	1.01	17.9	1.04	18.2	1.06	19.0	1.07	19.7	1.02	19.6	0.84	-		-	
	1750	7273	3261		3123		2971		2809		2633		2449		2226		1969		1448		701		-	
			18.0	0.98	18.4	1.04	18.8	1.09	18.8	1.14	18.8	1.17	18.8	1.20	19.5	1.22	21.0	1.22	21.0	1.13	21.0	0.89	-	
1825	7585	3412		3282		3139		2984		2821		2650		2461		2231		1955		1381		-		
		19.4	1.11	19.7	1.17	19.9	1.22	19.9	1.27	19.8	1.31	19.8	1.34	20.0	1.37	21.0	1.38	22.0	1.38	22.0	1.24	-		-
1883	7826	3529		3402		3266		3117		2965		2798		2625		2419		2193		1812		-		
		21.0	1.22	21.0	1.28	21.0	1.33	21.0	1.38	21.0	1.43	21.0	1.46	21.0	1.49	21.0	1.51	22.0	1.53	23.0	1.47	-		-

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan zones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU13B | BELT DRIVE



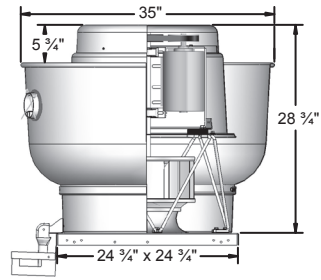
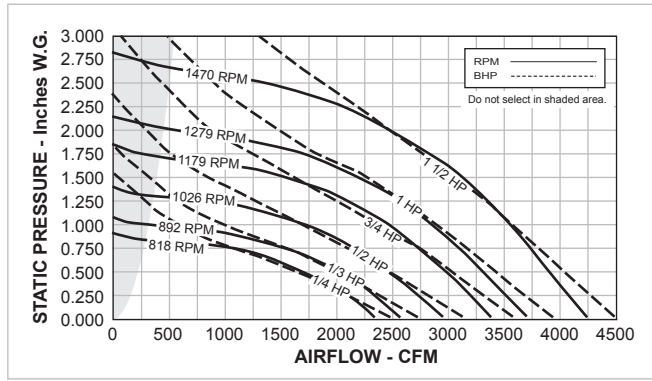
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1751) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2202
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 110 lbs.*

* Add 8 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.375" SP		
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1/4	500	1800	874		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			6.3	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	650	2340	1137		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			7.0	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	800	2880	1399		1052		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			7.6	0.07	7.4	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	978	3521	1710		1452		1284		1026		-	-	-	-	-	-	-	-	-	-	-	-	-
11.0			0.13	10.6	0.16	10.2	0.17	9.7	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	1055	3798	1845		1608		1471		1281		928		-	-	-	-	-	-	-	-	-	-	
			12.7	0.17	12.3	0.20	12.0	0.21	11.5	0.22	10.9	0.21	-	-	-	-	-	-	-	-	-	-	-
	1130	4068	1976		1755		1635		1485		1281		-	-	-	-	-	-	-	-	-	-	
			13.5	0.20	13.1	0.24	12.9	0.25	12.4	0.26	11.7	0.27	-	-	-	-	-	-	-	-	-	-	-
	1160	4176	2029		1814		1699		1559		1377		1054		-	-	-	-	-	-	-	-	
			13.9	0.22	13.4	0.26	13.2	0.27	12.8	0.28	12.2	0.29	11.6	0.28	-	-	-	-	-	-	-	-	-
	1185	4266	2072		1862		1751		1619		1448		1196		-	-	-	-	-	-	-	-	
14.3			0.24	13.8	0.27	13.5	0.29	13.1	0.30	12.5	0.31	11.9	0.30	-	-	-	-	-	-	-	-	-	
1210	4356	2116		1911		1804		1679		1519		1303		-	-	-	-	-	-	-	-		
		14.6	0.25	14.1	0.29	13.9	0.30	13.5	0.32	12.9	0.32	12.3	0.33	-	-	-	-	-	-	-	-	-	
1230	4428	2151		1950		1845		1727		1574		1378		-	-	-	-	-	-	-			
		15.0	0.26	14.4	0.30	14.2	0.32	13.8	0.33	13.3	0.34	12.6	0.34	-	-	-	-	-	-	-	-	-	
1/2	1255	4518	2195		1998		1895		1782		1639		1458		1152		-	-	-	-			
			15.4	0.28	14.8	0.32	14.6	0.34	14.2	0.35	13.6	0.36	13.0	0.37	12.5	0.35	-	-	-	-	-		
	1280	4608	2239		2046		1945		1835		1701		1535		1292		-	-	-	-			
			15.7	0.30	15.2	0.34	14.9	0.35	14.6	0.37	14.0	0.38	13.4	0.39	12.9	0.38	-	-	-	-	-		
	1305	4698	2282		2094		1994		1889		1762		1606		1401		-	-	-	-			
			16.1	0.31	15.6	0.36	15.3	0.37	15.0	0.39	14.4	0.40	13.8	0.41	13.2	0.41	-	-	-	-	-		
	1330	4788	2326		2142		2044		1942		1823		1676		1493		1130		-	-			
16.3			0.33	15.8	0.38	15.5	0.39	15.2	0.41	14.7	0.42	14.1	0.43	13.5	0.44	13.2	0.41	-	-	-			
1355	4878	2370		2190		2093		1995		1883		1746		1573		1314		-	-				
		16.5	0.35	16.0	0.40	15.7	0.41	15.4	0.43	15.0	0.44	14.4	0.45	13.7	0.46	13.4	0.45	-	-	-			
1375	4950	2405		2228		2132		2037		1931		1796		1636		1413		-	-				
		16.7	0.37	16.2	0.41	15.9	0.43	15.6	0.45	15.3	0.46	14.7	0.47	14.0	0.48	13.6	0.48	-	-	-			
1400	5040	2449		2275		2181		2089		1985		1858		1708		1516		-	-				
		16.9	0.39	16.4	0.43	16.2	0.45	15.9	0.47	15.5	0.49	15.0	0.50	14.3	0.50	13.8	0.51	-	-	-			
1414	5090	2473		2302		2208		2118		2015		1892		1747		1568		-	-				
		17.1	0.40	16.6	0.45	16.3	0.47	16.0	0.48	15.7	0.50	15.2	0.51	14.5	0.52	13.9	0.52	-	-	-			
3/4	1445	5202	2527		2360		2269		2180		2082		1968		1834		1671		-	-			
			17.4	0.43	16.9	0.47	16.6	0.49	16.4	0.51	16.0	0.53	15.6	0.54	15.0	0.55	14.3	0.56	-	-	-		
	1470	5292	2571		2408		2317		2230		2135		2028		1903		1749		-	-			
			17.7	0.45	17.2	0.50	16.9	0.52	16.7	0.54	16.3	0.55	15.9	0.57	15.3	0.58	14.6	0.59	-	-	-		
	1495	5382	2615		2455		2366		2280		2188		2088		1965		1821		1341				
			18.0	0.47	17.6	0.52	17.3	0.54	17.0	0.56	16.7	0.58	16.3	0.60	15.7	0.60	15.1	0.61	14.4	0.59	-		
	1525	5490	2667		2511		2424		2339		2251		2156		2039		1906		1521				
18.5			0.50	18.0	0.55	17.7	0.57	17.4	0.59	17.1	0.61	16.8	0.63	16.2	0.64	15.6	0.65	14.7	0.65	-			
1550	5580	2711		2558		2472		2388		2304		2210		2100		1975		1637					
		18.9	0.53	18.4	0.58	18.1	0.60	17.8	0.62	17.6	0.64	17.3	0.66	16.7	0.67	16.1	0.68	15.0	0.69	-			
1575	5670	2755		2604		2520		2437		2356		2264		2160		2043		1731		1455			
		19.3	0.55	18.9	0.61	18.6	0.63	18.3	0.65	18.0	0.67	17.7	0.69	17.3	0.70	16.7	0.71	15.3	0.72	15.3	0.70		
1600	5760	2798		2651		2568		2486		2406		2317		2220		2105		1818		1597			
		19.6	0.58	19.2	0.63	18.9	0.66	18.6	0.68	18.3	0.70	18.0	0.72	17.6	0.73	17.0	0.74	15.6	0.76	15.5	0.75		
1623	5842	2839		2694		2612		2531		2452		2366		2275		2161		1892		1707			
		19.9	0.60	19.4	0.66	19.2	0.68	18.9	0.70	18.6	0.73	18.3	0.74	18.0	0.76	17.3	0.77	16.0	0.79	15.7	0.79		

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan zones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU13BHFT | BELT DRIVE



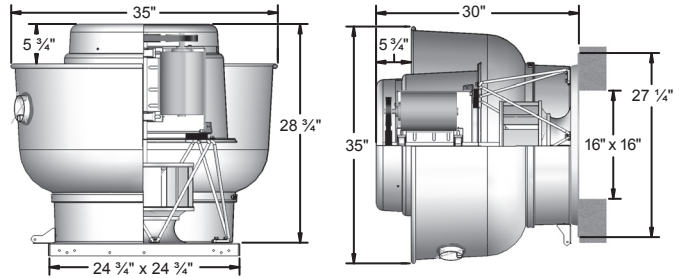
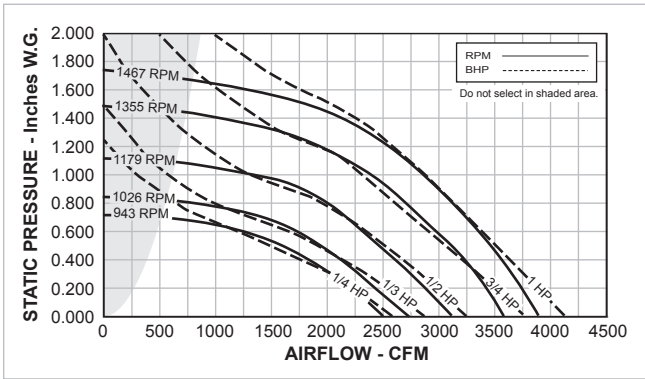
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1277) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 1875
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 115 lbs.*

* Add 8 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP			
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/4	750	3670	1817	1312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	818	4002	2046	1645	915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1/3	850	4159	2152	1781	1168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	892	4365	2289	1953	1463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1/2	925	4526	2395	2080	1641	782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	950	4648	2476	2176	1769	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	975	4771	2554	2270	1888	1298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1000	4893	2630	2360	2006	1483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3/4	1026	5020	2709	2451	2119	1666	739	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1050	5138	2782	2534	2218	1798	1104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1075	5260	2858	2619	2321	1932	1333	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1100	5382	2933	2705	2421	2057	1529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1125	5505	3008	2788	2518	2177	1708	828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1150	5627	3083	2871	2613	2294	1881	1206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	1179	5769	3169	2967	2723	2422	2038	1471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1200	5872	3232	3036	2802	2510	2150	1636	611	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1225	5994	3306	3118	2891	2613	2277	1819	1054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1255	6141	3396	3216	2996	2736	2420	2029	1442	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 1/2	1279	6258	3467	3294	3079	2830	2533	2165	1633	569	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1300	6361	3529	3362	3151	2911	2631	2278	1797	972	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1325	6483	3603	3442	3237	3007	2737	2411	1978	1351	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1360	6655	3706	3554	3355	3139	2882	2581	2222	1688	680	-	-	-	-	-	-	-	-	-	-	-	-	
	1400	6850	3824	3677	3489	3288	3046	2770	2438	1997	1355	-	-	-	-	-	-	-	-	-	-	-	-	
	1425	6973	3897	3753	3572	3375	3145	2887	2571	2174	1651	493	-	-	-	-	-	-	-	-	-	-	-	
	1450	7095	3972	3829	3654	3462	3241	2992	2697	2349	1849	1028	-	-	-	-	-	-	-	-	-	-	-	
	1470	7193	4032	3889	3720	3532	3318	3075	2793	2463	2006	1345	-	-	-	-	-	-	-	-	-	-	-	
			19.5	1.34	18.7	1.38	17.8	1.42	17.4	1.46	17.1	1.49	16.8	1.51	16.7	1.52	16.6	1.50	16.5	1.43	16.5	1.43	16.5	1.24

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU14B | BELT DRIVE



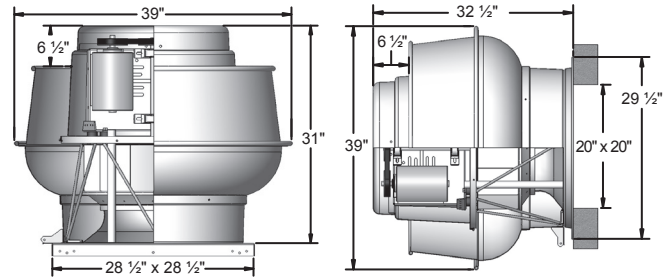
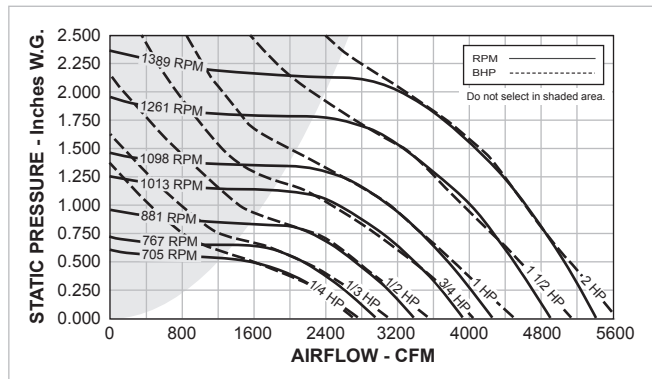
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1462) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 1790
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 112 lbs.*

* Add 11 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.250" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.375" SP		1.500" SP		
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1/4	400	1662	1061		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			4.8	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	550	2286	1459		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			4.9	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/3	690	2868	1830		1283		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7.8	0.09	6.9	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		815	3387	2162		1743		673		-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.2				0.14	9.3	0.17	8.0	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2		880	3657	2334		1955		1367		-	-	-	-	-	-	-	-	-	-	-	-	-	-
				11.8	0.18	11.1	0.21	9.8	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1	943	3919	2502		2154		1673		1230		-	-	-	-	-	-	-	-	-	-	-
13.0	0.22				12.3	0.26	11.0	0.27	10.4	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	975		4052	2586		2253		1812		1480		-	-	-	-	-	-	-	-	-	-	-	-
		13.6		0.25	12.8	0.28	11.5	0.30	11.0	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-
	1	1000	4156	2653		2330		1914		1615		887		-	-	-	-	-	-	-	-	-	-
14.0				0.26	13.3	0.30	12.0	0.32	11.5	0.32	10.8	0.27	-	-	-	-	-	-	-	-	-	-	-
1		1026	4264	2722		2410		2019		1738		1267		-	-	-	-	-	-	-	-	-	-
	14.3			0.29	13.7	0.32	12.5	0.35	12.0	0.35	11.4	0.32	-	-	-	-	-	-	-	-	-	-	-
	1	1050	4364	2785		2483		2110		1850		1504		-	-	-	-	-	-	-	-	-	-
14.7				0.31	14.1	0.35	13.0	0.37	12.4	0.37	12.1	0.36	-	-	-	-	-	-	-	-	-	-	-
1		1075	4468	2852		2559		2198		1963		1659		838		-	-	-	-	-	-	-	-
	15.2			0.33	14.5	0.37	13.4	0.39	12.9	0.40	12.6	0.39	12.2	0.32	-	-	-	-	-	-	-	-	-
	1	1100	4572	2918		2634		2285		2067		1791		1269		-	-	-	-	-	-	-	-
15.8				0.35	15.0	0.39	13.8	0.42	13.3	0.43	13.0	0.43	12.6	0.39	-	-	-	-	-	-	-	-	-
1		1130	4696	2998		2724		2388		2189		1933		1593		657		-	-	-	-	-	-
	16.6			0.38	15.9	0.43	14.6	0.45	14.0	0.46	13.5	0.46	13.3	0.44	13.2	0.33	-	-	-	-	-	-	-
	1	1160	4821	3077		2812		2490		2309		2072		1786		1147		-	-	-	-	-	-
17.4				0.41	16.7	0.46	15.6	0.49	14.9	0.50	14.4	0.50	14.2	0.49	13.9	0.44	-	-	-	-	-	-	-
1		1179	4900	3128		2867		2553		2377		2157		1889		1394		-	-	-	-	-	-
	18.1			0.43	17.4	0.48	16.2	0.51	15.6	0.52	15.0	0.52	14.9	0.52	14.7	0.49	-	-	-	-	-	-	-
	1	1210	5029	3210		2956		2654		2485		2284		2038		1718		-	-	-	-	-	-
19.1				0.47	18.4	0.52	17.2	0.55	16.6	0.56	16.1	0.57	15.9	0.57	15.8	0.54	-	-	-	-	-	-	-
1		1240	5154	3290		3043		2750		2590		2406		2178		1909		-	-	-	-	-	-
	19.4			0.50	18.7	0.55	17.5	0.59	16.8	0.60	16.3	0.61	16.0	0.61	15.9	0.60	-	-	-	-	-	-	-
	1	1270	5278	3369		3129		2846		2693		2526		2315		2067		812		-	-	-	-
19.4				0.54	18.7	0.59	17.6	0.63	17.0	0.64	16.5	0.65	16.0	0.65	15.8	0.65	15.8	0.48	-	-	-	-	-
1		1300	5403	3449		3214		2941		2795		2634		2439		2209		1324		-	-	-	-
	19.6			0.58	18.9	0.63	17.9	0.67	17.3	0.69	16.8	0.70	16.2	0.70	15.9	0.70	15.8	0.62	-	-	-	-	-
	1	1330	5528	3528		3300		3035		2893		2738		2561		2349		1698		829		-	-
19.9				0.62	19.2	0.68	18.3	0.72	17.7	0.73	17.1	0.74	16.6	0.75	16.2	0.75	15.9	0.71	15.9	0.55	-	-	-
1		1355	5631	3595		3371		3113		2974		2825		2662		2464		1938		1241		-	-
	20.0			0.66	19.6	0.72	18.6	0.76	18.0	0.77	17.5	0.78	17.0	0.79	16.5	0.79	16.5	0.79	16.1	0.76	16.1	0.67	-
	1	1385	5756	3674		3456		3206		3070		2928		2777		2588		2126		1665		817	
21.0				0.70	20.0	0.76	19.2	0.80	18.6	0.82	18.0	0.83	17.5	0.85	17.0	0.85	16.3	0.83	16.3	0.79	16.3	0.61	-
1		1405	5839	3727		3512		3268		3134		2997		2848		2670		2235		1893		1054	
	21.0			0.73	20.0	0.79	19.6	0.84	19.0	0.85	18.5	0.87	17.9	0.88	17.4	0.89	16.6	0.88	16.6	0.79	16.6	0.70	-
	1	1430	5943	3794		3583		3344		3214		3081		2935		2771		2359		2093		1529	
22.0				0.77	21.0	0.84	20.0	0.88	19.7	0.90	19.1	0.91	18.5	0.93	18.0	0.93	17.0	0.93	16.9	0.90	16.9	0.84	-
1		1450	6026	3847		3639		3405		3277		3147		3005		2852		2454		2216		1780	
	22.0			0.81	22.0	0.87	21.0	0.91	20.0	0.93	19.6	0.95	19.0	0.96	18.5	0.97	17.4	0.97	17.1	0.96	17.1	0.91	-
	1	1467	6097	3892		3687		3457		3331		3202		3063		2919		2533		2309		1972	
23.0				0.83	22.0	0.90	21.0	0.94	21.0	0.97	20.0	0.98	19.5	0.99	19.0	1.01	17.8	1.01	17.4	1.00	17.4	0.96	-

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU16B | BELT DRIVE



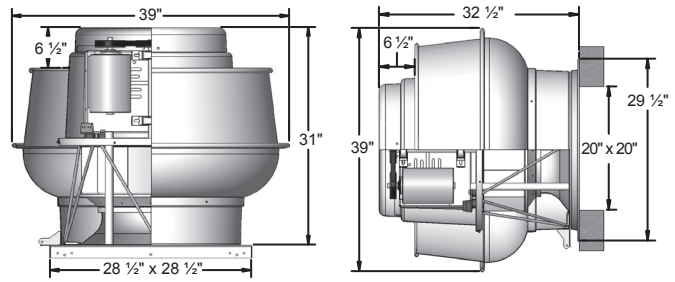
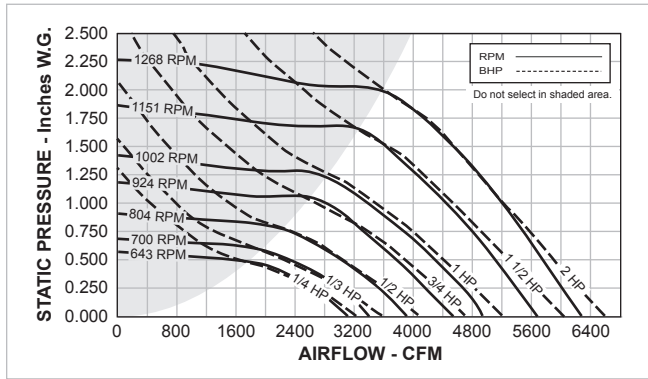
Galv. Steel Base = 14 Gage	Roof/Wall Opening = 20" SQ.	Peak BHP = (RPM/1095) ³
Aluminum Base = 0.080	Damper Size = 19 3/4" SQ.	Max. RPM = 1755
Discharge Apron = 0.064	Max. Motor Frame Size = 145T	Est. Ship Weight = 144 lbs.*

* Add 11 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.250" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.375" SP		1.500" SP		1.750" SP		
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1/4	500	2446	1999	1280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	609	2979	6.0	0.08	5.2	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2435	1951	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	660	3229	8.8	0.15	8.1	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2639			2213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
705	3449	9.7	0.19	9.2	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2819	2426	1791	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	725	3547	11.1	0.25	10.6	0.28	8.6	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	745	3645	2899	2518	1971	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			11.1	0.25	10.6	0.28	8.6	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	767	3752	2979	2611	2111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.6			0.27	11.1	0.30	9.2	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	800	3914	12.0	0.30	11.5	0.33	9.8	0.34	8.6	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-
	830	4061	3067	2712	2247	1770	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.0	0.30	11.5	0.33	9.8	0.34	8.6	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-
	855	4183	3199	2862	2434	2109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.6			0.34	11.9	0.37	10.5	0.39	9.4	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	
3/4	881	4310	13.2	0.38	12.4	0.41	11.2	0.43	10.2	0.44	9.2	0.41	-	-	-	-	-	-	-	-	-	-	-
	920	4501	3319	2997	2596	2342	1791	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.2	0.38	12.4	0.41	11.2	0.43	10.2	0.44	9.2	0.41	-	-	-	-	-	-	-	-	-	-	-
	955	4672	3419	3106	2727	2497	2109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.7			0.41	12.9	0.45	11.7	0.47	10.9	0.48	9.8	0.46	-	-	-	-	-	-	-	-	-	-	-	
1	1045	5112	14.3	0.45	13.5	0.49	12.3	0.51	11.6	0.52	10.6	0.52	-	-	-	-	-	-	-	-	-	-	-
	1070	5235	3523	3219	2862	2645	2352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			14.3	0.45	13.5	0.49	12.3	0.51	11.6	0.52	10.6	0.52	-	-	-	-	-	-	-	-	-	-	
	1098	5372	3679	3387	3062	2860	2635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.3			0.51	14.4	0.55	13.3	0.57	12.6	0.58	11.9	0.60	-	-	-	-	-	-	-	-	-	-	-	
1 1/2	1140	5577	16.3	0.57	15.5	0.61	14.4	0.64	13.7	0.65	13.0	0.66	11.1	0.61	-	-	-	-	-	-	-	-	-
	1180	5773	3939	3664	3374	3200	3010	2412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			17.0	0.63	16.1	0.67	15.0	0.70	14.4	0.71	13.8	0.72	11.8	0.71	-	-	-	-	-	-	-	-	-
	1220	5969	4051	3783	3505	3344	3160	2678	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.5			0.68	16.6	0.72	15.6	0.76	15.0	0.77	14.4	0.78	12.7	0.79	-	-	-	-	-	-	-	-	-	
2	1261	6169	18.2	0.75	17.2	0.79	16.2	0.83	15.7	0.84	15.1	0.85	13.7	0.87	-	-	-	-	-	-	-	-	-
	1295	6335	4179	3918	3653	3506	3329	2930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			18.2	0.75	17.2	0.79	16.2	0.83	15.7	0.84	15.1	0.85	13.7	0.87	-	-	-	-	-	-	-	-	
	1330	6507	4279	4023	3768	3626	3459	3092	2287	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18.7			0.81	17.8	0.84	16.8	0.89	16.3	0.90	15.7	0.91	14.4	0.94	12.8	0.86	-	-	-	-	-	-	-	
2	1365	6678	19.4	0.87	18.5	0.91	17.7	0.96	17.2	0.97	16.6	0.98	15.3	1.00	13.4	0.98	-	-	-	-	-	-	-
	1389	6795	4559	4317	4087	3953	3817	3491	3060	2656	-	-	-	-	-	-	-	-	-	-	-	-	
			21.0	0.97	19.9	1.01	19.1	1.07	18.6	1.08	18.1	1.09	16.9	1.11	15.0	1.13	14.1	1.08	-	-	-	-	
	1420	6963	4719	4484	4267	4138	4009	3704	3352	3069	2634	-	-	-	-	-	-	-	-	-	-	-	-
22.0			1.08	21.0	1.12	20.0	1.18	20.0	1.19	19.4	1.20	18.3	1.23	16.8	1.26	15.7	1.24	14.9	1.18	-	-	-	
2	1460	7131	4879	4652	4440	4321	4196	3913	3594	3397	3093	-	-	-	-	-	-	-	-	-	-	-	
	1490	7299	23.0	1.19	22.0	1.23	22.0	1.29	21.0	1.31	21.0	1.33	19.5	1.35	18.1	1.38	17.3	1.39	16.2	1.36	-	-	-
			5043	4823	4617	4508	4387	4125	3827	3663	3453	2609	-	-	-	-	-	-	-	-	-		
	1520	7467	5179	4965	4764	4661	4544	4299	4012	3858	3687	3102	-	-	-	-	-	-	-	-	-	-	
24.0			1.32	23.0	1.36	22.0	1.42	22.0	1.44	21.0	1.46	20.0	1.48	19.2	1.51	18.4	1.53	17.5	1.53	16.4	1.39		
2	1560	7635	25.0	1.43	24.0	1.47	23.0	1.53	23.0	1.56	22.0	1.57	21.0	1.60	20.0	1.63	19.3	1.65	18.5	1.66	17.0	1.60	
	1590	7803	5318	5111	4913	4817	4704	4475	4197	4055	3900	3452	-	-	-	-	-	-	-	-	-	-	
			26.0	1.55	25.0	1.59	24.0	1.65	23.0	1.68	23.0	1.70	22.0	1.73	21.0	1.76	20.0	1.77	19.5	1.79	17.7	1.77	
	1620	7971	5458	5256	5063	4969	4864	4641	4380	4244	4100	3751	-	-	-	-	-	-	-	-	-	-	
26.0			1.67	25.0	1.72	25.0	1.78	24.0	1.81	24.0	1.83	23.0	1.86	22.0	1.89	21.0	1.90	21.0	1.92	18.8	1.94		
1650	8139	5554	5355	5165	5073	4972	4753	4505	4371	4235	3920	-	-	-	-	-	-	-	-	-	-		
		27.0	1.76	26.0	1.81	25.0	1.87	25.0	1.90	24.0	1.93	23.0	1.96	22.0	1.99	22.0	2.00	21.0	2.02	19.7	2.05		

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU18B | BELT DRIVE



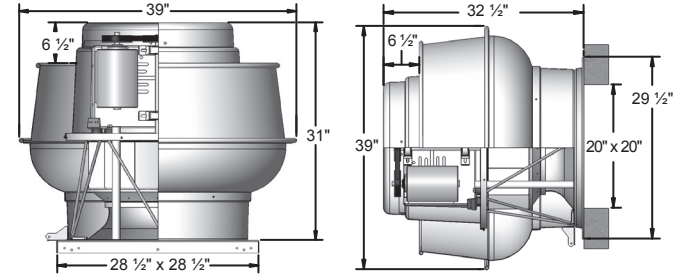
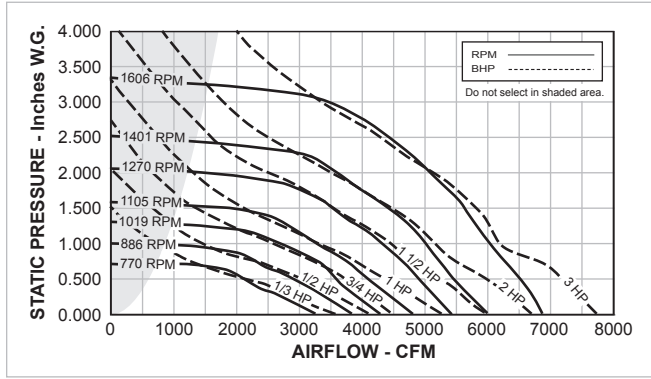
Galv. Steel Base = 14 Gage	Roof/Wall Opening = 20" SQ.	Peak BHP = (RPM/999) ³
Aluminum Base = 0.080	Damper Size = 19 3/4" SQ.	Max. RPM = 1430
Discharge Apron = 0.064	Max. Motor Frame Size = 145T	Est. Ship Weight = 145 lbs.*

* Add 20 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.250" SP		0.500" SP		0.625" SP		0.750" SP		1.000" SP		1.250" SP		1.375" SP		1.500" SP		1.750" SP		
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1/4	400	2121	1984		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	556	2948	4.7	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2758	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	600	3181	8.9	0.15	7.9	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2976			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1/3	643	3409	3189		2618		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	665	3525	11.1	0.23	10.3	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			3299	-	-	-	1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	685	3631	11.6	0.25	10.8	0.28	9.8	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3398			-	-	-	2147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1/2	700	3711	3472		2961		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	730	3870	12.3	0.29	11.7	0.33	10.7	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			3621	-	-	-	2503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	760	4029	13.2	0.33	12.6	0.37	11.7	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3770			-	-	-	2716	-	-	2328	-	-	-	-	-	-	-	-	-	-	-	-		
3/4	785	4162	3472		2961		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	804	4262	12.2	0.29	11.7	0.33	10.7	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			3621	-	-	-	2503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	840	4453	13.2	0.33	12.6	0.37	11.7	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3770			-	-	-	2716	-	-	2328	-	-	-	-	-	-	-	-	-	-	-	-		
1	870	4612	3472		2961		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	900	4771	14.2	0.37	13.7	0.42	12.8	0.44	12.3	0.44	-	-	-	-	-	-	-	-	-	-	-	-	
			3894	-	-	-	2890	2569	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	924	4899	15.1	0.41	14.7	0.46	13.9	0.48	13.4	0.49	-	-	-	-	-	-	-	-	-	-	-	-	
3988			-	-	-	3021	2710	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1 1/2	950	5036	3988		3559		3021		2710	-	-	-	-	-	-	-	-	-	-	-	-	-	
	975	5169	15.9	0.44	15.5	0.49	14.8	0.52	14.3	0.52	-	-	-	-	-	-	-	-	-	-	-	-	
			4712	-	-	-	3952	3716	3461	2805	-	-	-	-	-	-	-	-	-	-	-	-	
	1002	5312	19.2	0.73	18.7	0.79	18.0	0.83	17.4	0.84	16.9	0.86	15.7	0.84	-	-	-	-	-	-	-	-	
4837			-	-	-	4100	3876	3634	3093	-	-	-	-	-	-	-	-	-	-	-	-		
2	1040	5513	4970		4628		4258		4047	3818	3319	-	-	-	-	-	-	-	-	-	-		
	1080	5726	21.0	0.85	20.0	0.92	19.9	0.96	19.4	0.98	18.9	1.00	17.7	1.01	-	-	-	-	-	-	-	-	
			5159	-	-	-	4479	4285	4067	3595	-	-	-	-	-	-	-	-	-	-	-		
	1120	5938	22.0	0.95	21.0	1.02	21.0	1.07	20.0	1.09	19.7	1.11	18.5	1.13	-	-	-	-	-	-	-	-	
5357			-	-	-	4709	4525	4322	3878	3357	-	-	-	-	-	-	-	-	-	-	-		
2	1151	6102	5556		5249		4937		4759	4574	4156	3709	3364	-	-	-	-	-	-	-	-		
	1190	6309	23.0	1.19	23.0	1.26	22.0	1.33	22.0	1.35	21.0	1.36	20.0	1.40	18.9	1.42	18.7	1.39	-	-	-	-	
			5710	-	-	-	5113	4940	4767	4368	3935	3696	-	-	-	-	-	-	-	-	-		
	1245	6600	24.0	1.29	23.0	1.37	23.0	1.44	22.0	1.46	22.0	1.47	21.0	1.51	19.5	1.53	19.2	1.53	-	-	-	-	
5903			-	-	-	5614	5327	5165	4997	4626	4213	4002	3752	-	-	-	-	-	-	-	-		
2	1268	6722	6027		5744		5463		5308	5144	4786	4388	4183	3970	-	-	-	-	-	-	-		
	1215	6441	24.0	1.43	24.0	1.51	24.0	1.58	23.0	1.60	23.0	1.62	22.0	1.66	21.0	1.69	20.0	1.70	19.8	1.69	-	-	
			6176	-	-	-	5899	5625	5479	5319	4977	4597	4397	4195	3541	-	-	-	-	-	-		
	1245	6600	25.0	1.52	25.0	1.60	24.0	1.67	24.0	1.70	23.0	1.72	22.0	1.76	21.0	1.79	21.0	1.80	20.0	1.81	-	-	
6290			-	-	-	6019	5749	5610	5453	5123	4755	4558	4362	3850	-	-	-	-	-	-	-		
1268	6722	26.0	1.64	25.0	1.72	25.0	1.79	25.0	1.83	24.0	1.84	23.0	1.89	22.0	1.92	22.0	1.93	21.0	1.94	21.0	1.87	-	
		6290	-	-	-	6019	5749	5610	5453	5123	4755	4558	4362	3850	-	-	-	-	-	-	-		
1268	6722	26.0	1.73	26.0	1.81	25.0	1.89	25.0	1.92	25.0	1.94	24.0	1.99	23.0	2.03	22.0	2.04	22.0	2.05	21.0	2.03	-	

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU18BH | BELT DRIVE

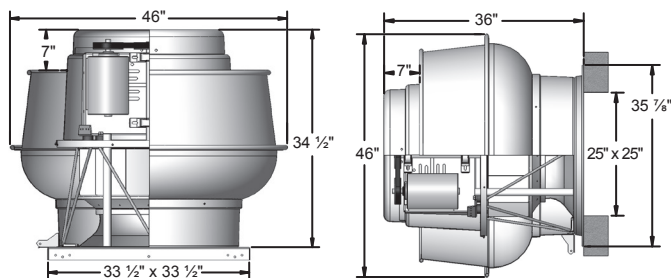
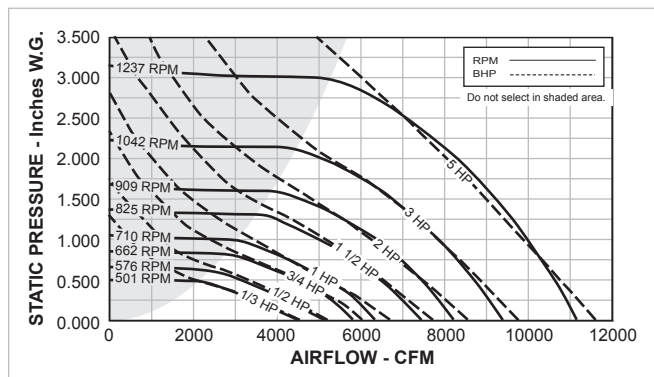


Galv. Steel Base = 14 Gage	Roof/Wall Opening = 20" SQ.	Peak BHP = (RPM/1106) ³
Aluminum Base = 0.080	Damper Size = 19 3/4" SQ.	Max. RPM = 1870
Discharge Apron = 0.064	Max. Motor Frame Size = 145T	Wall Mounted Max. HP = 2
Est. Ship Weight = 142 lbs. (Add 20 lbs. for Heat & Smoke option.)		

HP	RPM	Tip Speed FPM	0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP				
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	
1/3	770	4082	2308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			7.6	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	800	4241	2520	1622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			7.9	0.37	8.1	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	840	4453	2773	2108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			8.4	0.42	8.9	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
886	4697	3028	2436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		9.4	0.48	9.4	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	915	4851	3186	2628	1676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			10.1	0.53	9.9	0.57	10.0	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	970	5142	3475	3017	2435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11.5			0.62	10.7	0.66	11.5	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	1019	5402	3712	3342	2786	1779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			12.4	0.71	11.3	0.75	12.0	0.79	12.1	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1065	5646	3932	3598	3093	2515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			13.0	0.81	11.9	0.85	12.4	0.89	13.3	0.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			4003	3681	3200	2675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1080	5726	13.2	0.84	12.2	0.88	12.5	0.93	13.6	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		4121	3818	3378	2884	1361	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 1/2	1105	5858	13.5	0.90	12.6	0.93	12.7	0.98	13.7	1.00	13.4	0.73	-	-	-	-	-	-	-	-	-	-	-	-	
			4216	3926	3519	3019	2151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1125	5964	13.9	0.94	12.9	0.98	12.8	1.03	13.9	1.06	14.1	0.98	-	-	-	-	-	-	-	-	-	-	-	-	
			4333	4061	3693	3186	2575	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1150	6097	14.2	1.00	13.4	1.04	13.0	1.09	14.1	1.13	14.8	1.10	-	-	-	-	-	-	-	-	-	-	-	-	
			4450	4193	3850	3352	2844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1175	6229	14.7	1.07	14.0	1.11	13.3	1.15	14.3	1.20	15.5	1.19	-	-	-	-	-	-	-	-	-	-	-	-	
			4570	4315	3990	3525	3088	1920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1200	6362	15.3	1.13	14.5	1.17	13.6	1.22	14.6	1.28	15.7	1.29	15.5	1.11	-	-	-	-	-	-	-	-	-	-	
			4697	4436	4129	3703	3258	2544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1225	6494	16.1	1.18	15.2	1.24	14.3	1.29	14.9	1.34	16.0	1.37	16.4	1.3	-	-	-	-	-	-	-	-	-	-	
			4925	4652	4376	4019	3559	3081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1270	6733	17.0	1.29	16.2	1.38	15.3	1.42	15.3	1.47	16.5	1.52	17.7	1.51	-	-	-	-	-	-	-	-	-	-		
		4975	4700	4430	4089	3625	3188	1895	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	1280	6786	17.1	1.32	16.3	1.41	15.5	1.45	15.4	1.50	16.6	1.56	17.9	1.55	17.3	1.28	-	-	-	-	-	-	-		
			5251	4961	4728	4424	4008	3599	3051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1335	7077	18.4	1.46	17.2	1.58	16.6	1.63	16.1	1.68	17.1	1.74	18.4	1.77	19.2	1.73	-	-	-	-	-	-	-		
			5449	5150	4931	4646	4290	3865	3478	2571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1375	7289	19.4	1.57	18.2	1.72	17.6	1.77	17.1	1.82	17.5	1.88	18.8	1.93	20.0	1.93	19.9	1.78	-	-	-	-	-			
		5578	5272	5057	4789	4471	4036	3670	3073	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	1401	7427	20.0	1.64	18.8	1.82	18.2	1.86	17.8	1.91	17.9	1.97	19.1	2.04	20.0	2.05	21.0	1.98	-	-	-	-	-		
			5770	5454	5245	5002	4720	4315	3933	3494	2481	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1440	7634	21.0	1.76	19.8	1.96	19.3	2.01	18.8	2.06	18.7	2.12	19.6	2.19	21.0	2.22	22.0	2.20	22.0	1.98	-	-	-		
			5958	5650	5436	5218	4944	4598	4198	3852	3274	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1480	7846	22.0	1.89	21.0	2.11	20.0	2.17	20.0	2.22	19.7	2.28	20.0	2.35	21.0	2.41	23.0	2.41	23.0	2.34	-	-	-		
			6139	5853	5627	5428	5165	4876	4474	4122	3705	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1520	8058	24.0	2.03	22.0	2.24	22.0	2.34	21.0	2.39	21.0	2.45	21.0	2.51	22.0	2.59	23.0	2.61	25.0	2.59	-	-	-		
			6321	6055	5816	5623	5385	5124	4759	4389	4060	1714	-	-	-	-	-	-	-	-	-	-	-	-	
	1560	8270	25.0	2.19	24.0	2.39	23.0	2.52	23.0	2.57	23.0	2.63	22.0	2.69	23.0	2.77	24.0	2.82	25.0	2.83	24.0	1.93	-		
			6434	6181	5934	5744	5520	5264	4935	4553	4230	2907	-	-	-	-	-	-	-	-	-	-	-	-	
	1585	8403	26.0	2.28	25.0	2.48	24.0	2.64	24.0	2.69	23.0	2.75	23.0	2.81	23.0	2.88	24.0	2.96	26.0	2.96	26.0	2.71	-		
			6528	6286	6032	5845	5634	5381	5081	4700	4371	3378	-	-	-	-	-	-	-	-	-	-	-	-	
1606	8514	27.0	2.37	25.0	2.56	24.0	2.74	24.0	2.79	24.0	2.85	24.0	2.91	24.0	2.98	25.0	3.06	26.0	3.08	27.0	2.95	-			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU24B | BELT DRIVE

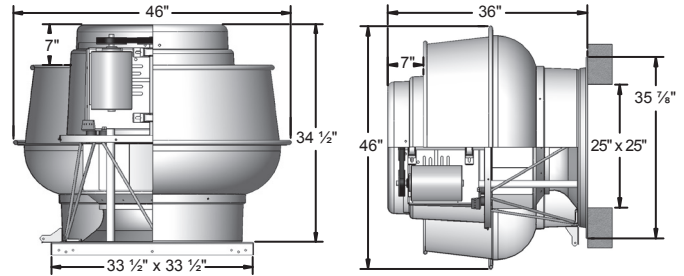
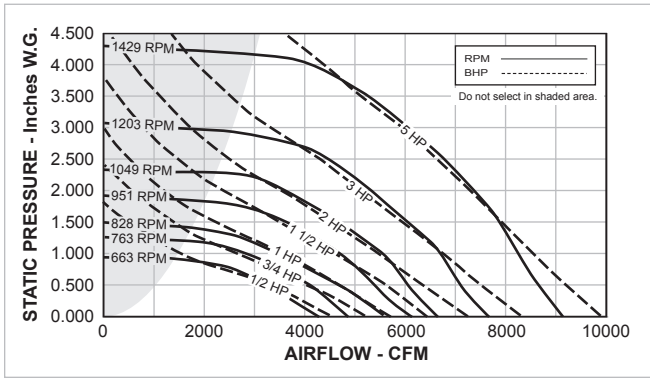


Galv. Steel Base = 14 Gage	Roof/Wall Opening = 25" SQ.	Peak BHP = (RPM/716) ³
Aluminum Base = 0.080	Damper Size = 24 3/4" SQ.	Max. RPM = 1360
Discharge Apron = 0.064	Max. Motor Frame Size = 184T	Wall Mounted Max. HP = 2
Est. Ship Weight = 190 lbs. (Add 40 lbs. for Heat & Smoke option.)		

HP	RPM	Tip Speed FPM	0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1/4	375	2436	1.986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			5.9	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	420	2728	2.701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	461	2995	3.245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			8.7	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	480	3118	3.471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	501	3255	3.717	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			10.4	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	540	3508	4.163	2.992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	576	3742	4.543	3.557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.9	0.51	11.7	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	610	3963	4.896	4.036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	640	4157	5.203	4.433	3.236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			14.9	0.69	14.0	0.72	12.8	0.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	662	4300	5.421	4.709	3.676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	690	4482	5.697	5.040	4.126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			16.2	0.85	15.4	0.89	14.3	0.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	718	4664	5.972	5.367	4.542	3.116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	755	4905	6.332	5.791	5.049	4.070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			18.2	1.10	17.4	1.16	16.4	1.18	15.3	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-
	790	5132	6.670	6.167	5.510	4.663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	825	5359	7.007	6.534	5.937	5.185	4.151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			21.0	1.42	19.9	1.49	19.0	1.53	18.0	1.53	16.8	1.43	-	-	-	-	-	-	-	-	-	-	-
	850	5522	7.246	6.793	6.231	5.538	4.660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	880	5717	7.532	7.103	6.580	5.939	5.165	3.845	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			22.0	1.71	21.0	1.79	20.0	1.84	19.3	1.87	18.3	1.83	17.3	1.63	-	-	-	-	-	-	-	-	-
	909	5905	7.808	7.397	6.913	6.321	5.599	4.660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	950	6171	8.197	7.803	7.367	6.824	6.187	5.435	4.130	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			25.0	2.14	25.0	2.23	24.0	2.30	23.0	2.34	22.0	2.35	21.0	2.29	19.3	2.05	-	-	-	-	-	-	-
	985	6399	8.527	8.148	7.736	7.236	6.655	5.973	5.102	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	1015	6593	8.809	8.441	8.050	7.585	7.050	6.417	5.681	4.389	-	-	-	-	-	-	-	-	-	-	-	-	-
			29.0	2.59	28.0	2.69	27.0	2.78	26.0	2.83	25.0	2.86	24.0	2.86	23.0	2.77	22.0	2.49	-	-	-	-	-
	1042	6769	9.062	8.705	8.330	7.896	7.390	6.795	6.123	5.217	-	-	-	-	-	-	-	-	-	-	-	-	-
7	1100	7146	9.605	9.267	8.927	8.539	8.076	7.568	6.985	6.327	5.393	-	-	-	-	-	-	-	-	-	-	-	-
			30.0	3.28	30.0	3.39	29.0	3.50	28.0	3.57	27.0	3.62	26.0	3.65	25.0	3.64	24.0	3.56	23.0	3.35	-	-	-
	1150	7470	10.071	9.749	9.424	9.065	8.656	8.197	7.669	7.085	6.427	5.428	-	-	-	-	-	-	-	-	-	-	-
	1200	7795	32.0	3.74	31.0	3.85	30.0	3.96	29.0	4.05	28.0	4.11	27.0	4.16	26.0	4.17	25.0	4.13	25.0	4.02	24.0	4.02	24.0
8	1237	8036	10.536	10.228	9.916	9.586	9.227	8.788	8.330	7.804	7.221	6.552	-	-	-	-	-	-	-	-	-	-	-
			34.0	4.23	33.0	4.35	33.0	4.47	32.0	4.57	31.0	4.65	30.0	4.70	29.0	4.73	28.0	4.73	27.0	4.67	26.0	4.67	26.0
9	1237	8036	10.879	10.581	10.279	9.968	9.623	9.219	8.793	8.300	7.770	7.190	-	-	-	-	-	-	-	-	-	-	-
			36.0	4.63	35.0	4.75	35.0	4.87	34.0	4.99	33.0	5.07	32.0	5.13	31.0	5.18	30.0	5.18	29.0	5.16	28.0	5.08	-

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU24BH | BELT DRIVE

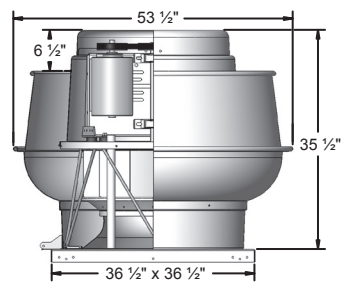
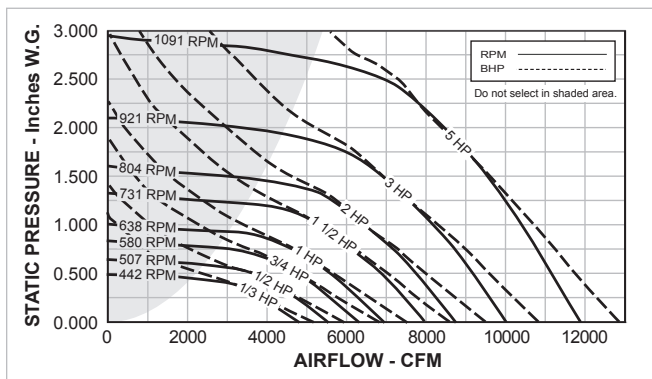


Galv. Steel Base = 14 Gage	Roof Opening = 25" SQ.	Peak BHP = (RPM/827) ³
Aluminum Base = 0.080	Damper Size = 24 3/4" SQ.	Max. RPM = 1620
Discharge Apron = 0.064	Max. Motor Frame Size = 184T	Wall Mounted Max. HP = 2
Est. Ship Weight = 187 lbs. (Add 40 lbs. for Heat & Smoke option.)		

HP	RPM	Tip Speed FPM	0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP		2.500" SP		3.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/2	600	3897	2641	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			8.9	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	663	4306	3231	2472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			10.0	0.51	10.3	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	707	4592	3633	2971	1877	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			10.8	0.61	11.0	0.63	10.8	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	725	4709	3774	3142	2264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			11.1	0.65	11.3	0.67	11.4	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	763	4956	4069	3497	2824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			11.9	0.75	12.0	0.78	12.3	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	800	5196	4351	3844	3259	2352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.4	0.86	12.5	0.89	12.6	0.91	12.7	0.85	-	-	-	-	-	-	-	-	-	-	-	-
1	828	5378	4549	4107	3542	2822	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.7	0.94	12.8	0.98	12.9	1.00	13.4	0.98	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	855	5553	4736	4357	3796	3180	1929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.1	1.03	13.1	1.07	13.3	1.10	13.6	1.09	13.3	0.93	-	-	-	-	-	-	-	-	-	-
1 1/2	886	5755	4950	4607	4083	3546	2740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.7	1.13	13.7	1.19	13.7	1.22	14.0	1.23	14.3	1.17	-	-	-	-	-	-	-	-	-	-
1 1/2	915	5943	5148	4833	4355	3857	3223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			14.7	1.23	14.6	1.30	14.6	1.34	14.6	1.35	14.9	1.33	-	-	-	-	-	-	-	-	-	-
1 1/2	925	6008	5216	4910	4450	3953	3345	2152	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			15.2	1.27	15.0	1.34	15.0	1.38	14.9	1.40	15.0	1.38	14.8	1.20	-	-	-	-	-	-	-	-
1 1/2	951	6177	5393	5110	4695	4198	3655	2859	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			16.0	1.37	15.7	1.45	15.7	1.49	15.6	1.51	15.5	1.51	15.8	1.43	-	-	-	-	-	-	-	-
2	990	6430	5657	5403	5056	4560	4107	3503	2353	-	-	-	-	-	-	-	-	-	-	-	-	-
			16.9	1.53	16.5	1.62	16.5	1.67	16.5	1.70	16.5	1.72	16.7	1.69	16.5	1.48	-	-	-	-	-	-
2	1019	6619	5856	5605	5288	4831	4384	3851	3096	-	-	-	-	-	-	-	-	-	-	-	-	-
			17.4	1.66	16.9	1.75	16.9	1.81	16.9	1.85	17.0	1.87	17.2	1.85	17.5	1.76	-	-	-	-	-	-
2	1049	6814	6063	5813	5522	5115	4667	4203	3597	2447	-	-	-	-	-	-	-	-	-	-	-	-
			18.0	1.80	17.4	1.89	17.4	1.96	17.4	2.00	17.5	2.03	17.8	2.04	18.3	1.99	17.9	1.75	-	-	-	-
2	1080	7015	6276	6027	5761	5405	4954	4539	4005	3270	-	-	-	-	-	-	-	-	-	-	-	-
			18.8	1.95	18.0	2.05	18.0	2.13	18.0	2.18	18.1	2.21	18.4	2.23	18.8	2.20	19.1	2.10	-	-	-	-
2	1105	7177	6447	6198	5953	5635	5184	4777	4301	2689	2546	-	-	-	-	-	-	-	-	-	-	-
			19.5	2.08	18.6	2.18	18.6	2.32	18.6	2.32	18.6	2.36	18.9	2.38	19.3	2.73	19.9	2.31	19.4	2.03	-	-
3	1125	7307	6583	6335	6105	5801	5375	4965	4535	4002	3184	-	-	-	-	-	-	-	-	-	-	-
			20.0	2.19	19.3	2.29	19.1	2.39	19.1	2.44	19.1	2.48	19.3	2.51	19.7	2.51	20.0	2.48	20.0	2.32	-	-
3	1175	7632	6923	6675	6461	6191	5846	5429	5047	4597	4058	-	-	-	-	-	-	-	-	-	-	-
			22.0	2.48	21.0	2.58	21.0	2.69	21.0	2.75	21.0	2.80	20.0	2.84	21.0	2.86	21.0	2.86	21.0	2.85	22.0	2.80
3	1203	7814	7122	6864	6655	6407	6105	5690	5311	4924	4425	-	-	-	-	-	-	-	-	-	-	-
			23.0	2.65	22.0	2.76	21.0	2.86	21.0	2.94	21.0	3.00	21.0	3.04	21.0	3.07	22.0	3.08	22.0	3.04	-	-
3	1210	7859	7160	6911	6704	6461	6169	5757	5377	5004	4508	2767	-	-	-	-	-	-	-	-	-	-
			23.0	2.69	22.0	2.80	21.0	2.91	21.0	2.99	21.0	3.05	21.0	3.09	21.0	3.12	22.0	3.14	22.0	3.10	22.0	2.65
3	1245	8087	7395	7152	6945	6728	6453	6088	5701	5341	4922	3740	-	-	-	-	-	-	-	-	-	-
			24.0	2.92	23.0	3.03	22.0	3.14	22.0	3.24	22.0	3.30	22.0	3.35	22.0	3.39	22.0	3.41	23.0	3.40	24.0	3.21
5	1275	8281	7597	7359	7151	6954	6688	6368	5977	5624	5270	4244	-	-	-	-	-	-	-	-	-	-
			24.0	3.12	23.0	3.24	23.0	3.35	23.0	3.47	23.0	3.53	22.0	3.58	23.0	3.63	23.0	3.65	23.0	3.67	25.0	3.54
5	1325	8606	7931	7702	7492	7302	7074	6815	6453	6088	5750	4933	-	-	-	-	-	-	-	-	-	-
			25.0	3.49	24.0	3.61	24.0	3.73	23.0	3.84	23.0	3.93	23.0	3.99	23.0	4.04	24.0	4.08	24.0	4.10	26.0	4.07
5	1380	8963	8298	8078	7865	7683	7493	7246	6965	6604	6264	5580	-	-	-	-	-	-	-	-	-	-
			27.0	3.92	26.0	4.04	25.0	4.17	25.0	4.29	25.0	4.41	25.0	4.47	25.0	4.53	25.0	4.58	25.0	4.62	26.0	4.64
5	1429	9282	8623	8411	8198	8019	7843	7624	7384	7065	6717	6086	-	-	-	-	-	-	-	-	-	-
			29.0	4.33	28.0	4.46	27.0	4.59	26.0	4.72	26.0	4.84	26.0	4.93	26.0	5.05	26.0	5.05	26.0	5.05	27.0	5.16

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU27B | BELT DRIVE



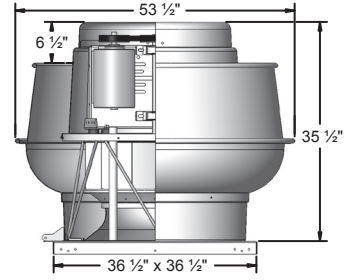
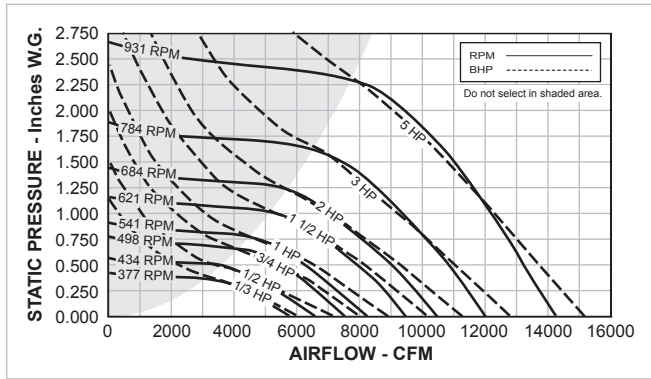
Galv. Steel Base = 14 Gage	Roof Opening = 28" SQ.	Peak BHP = (RPM/539) ³
Aluminum Base = 0.080	Damper Size = 27 3/4" SQ.	Max. RPM = 1188
Discharge Apron = 0.080	Max. Motor Frame Size = 184T	Est. Ship Weight = 219 lbs.*

* Add 55 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		2.000" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/3	442	3211	4361		3843		3112		-		-		-		-		-		-	
			8.3	0.30	7.7	0.33	7.1	0.33	-		-		-		-		-		-	
1/2	475	3451	4780		4293		3695		2634		-		-		-		-		-	
			9.7	0.37	9.0	0.40	8.6	0.41	7.6	0.38	-		-		-		-		-	
1/2	507	3683	5120		4710		4213		3530		-		-		-		-		-	
			10.7	0.44	10.1	0.48	9.8	0.50	9.2	0.49	-		-		-		-		-	
3/4	535	3887	5444		5065		4617		4030		-		-		-		-		-	
			11.7	0.51	11.1	0.55	10.7	0.58	10.3	0.59	-		-		-		-		-	
3/4	560	4068	4361		4361		4361		4361		-		-		-		-		-	
			12.7	0.59	12.2	0.63	11.7	0.66	11.5	0.67	-		-		-		-		-	
3/4	580	4214	5960		5628		5234		4785		3159		-		-		-		-	
			13.5	0.65	13.1	0.69	12.7	0.73	12.5	0.75	10.9	0.69	-		-		-		-	
1	600	4359	6188		5870		5498		5076		3889		-		-		-		-	
			14.2	0.71	13.8	0.76	13.4	0.80	13.2	0.82	12.0	0.80	-		-		-		-	
1	620	4504	6415		6107		5756		5363		4304		-		-		-		-	
			14.9	0.78	14.6	0.83	14.2	0.87	13.8	0.90	12.9	0.90	-		-		-		-	
1	638	4635	6631		6330		5990		5625		4635		-		-		-		-	
			15.4	0.85	15.0	0.90	14.6	0.94	14.3	0.98	13.5	0.99	-		-		-		-	
1 1/2	660	4795	6868		6577		6264		5913		5018		-		-		-		-	
			15.9	0.94	15.7	0.99	15.2	1.04	14.8	1.07	14.2	1.10	-		-		-		-	
1 1/2	685	4976	7150		6869		6578		6248		5461		4209		-		-		-	
			16.7	1.04	16.4	1.10	16.0	1.15	15.6	1.19	15.0	1.24	13.8	1.17	-		-		-	
1 1/2	705	5122	7374		7101		6827		6506		5782		4753		-		-		-	
			17.4	1.13	17.1	1.19	16.7	1.24	16.3	1.29	15.7	1.34	14.7	1.31	-		-		-	
1 1/2	731	5311	7666		7403		7144		6839		6161		5247		-		-		-	
			18.4	1.26	18.1	1.32	17.7	1.38	17.4	1.42	16.7	1.49	15.8	1.48	-		-		-	
2	750	5449	7879		7622		7369		7080		6434		5583		4127		-		-	
			19.0	1.35	18.7	1.42	18.4	1.48	18.0	1.53	17.4	1.60	16.6	1.61	15.0	1.49	-		-	
2	770	5594	8103		7853		7605		7332		6719		5932		4856		-		-	
			19.6	1.46	19.3	1.53	18.9	1.59	18.5	1.64	17.9	1.72	17.3	1.76	16.0	1.67	-		-	
2	785	5703	8270		8025		7782		7521		6925		6200		5250		-		-	
			20.0	1.54	19.8	1.62	19.4	1.68	18.9	1.73	18.3	1.82	17.8	1.86	16.6	1.81	-		-	
2	804	5841	8482		8243		8004		7758		7183		6528		5628		-		-	
			21.0	1.66	20.0	1.73	19.9	1.80	19.5	1.85	18.8	1.94	18.4	2.00	17.3	1.97	-		-	
3	830	6030	8772		8540		8308		8080		7534		6910		6092		4830		-	
			22.0	1.82	21.0	1.89	21.0	1.97	22.0	2.00	19.6	2.12	18.9	2.18	18.1	2.18	16.9	2.05	-	
3	865	6284	9161		8938		8716		8497		7988		7415		6706		5853		-	
			23.0	2.05	23.0	2.13	22.0	2.21	22.0	2.27	21.0	2.38	20.0	2.46	19.7	2.49	18.6	2.43	-	
3	895	6502	9493		9278		9063		8851		8372		7840		7239		6421		5162	
			25.0	2.26	24.0	2.35	24.0	2.43	23.0	2.50	22.0	2.61	22.0	2.70	21.0	2.75	20.0	2.73	18.4	2.56
3	921	6691	9782		9573		9364		9156		8702		8195		7624		6881		6055	
			26.0	2.46	26.0	2.55	25.0	2.63	25.0	2.71	24.0	2.82	23.0	2.93	23.0	2.99	22.0	2.99	20.0	2.90
5	960	6974	10213		10013		9812		9612		9193		8720		8189		7568		6816	
			28.0	2.78	27.0	2.87	27.0	2.96	26.0	3.04	25.0	3.17	25.0	3.28	24.0	3.36	24.0	3.40	22.0	3.36
5	1000	7265	10655		10463		10270		10078		9691		9239		8757		8221		7523	
			30.0	3.14	29.0	3.23	29.0	3.32	28.0	3.41	27.0	3.55	26.0	3.67	26.0	3.77	25.0	3.83	24.0	3.83
5	1045	7592	11151		10967		10783		10599		10236		9814		9369		8875		8318	
			31.0	3.57	31.0	3.66	31.0	3.76	30.0	3.85	29.0	4.01	28.0	4.14	28.0	4.26	27.0	4.34	26.0	4.39
5	1091	7926	11658		11482		11305		11129		10780		10395		9981		9531		9039	
			34.0	4.05	33.0	4.15	33.0	4.25	33.0	4.35	31.0	4.53	31.0	4.66	30.0	4.80	29.0	4.91	29.0	4.96

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU30B | BELT DRIVE



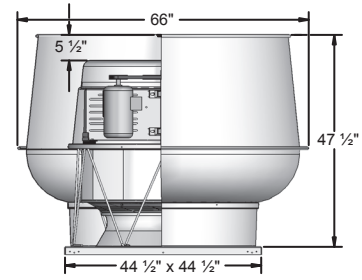
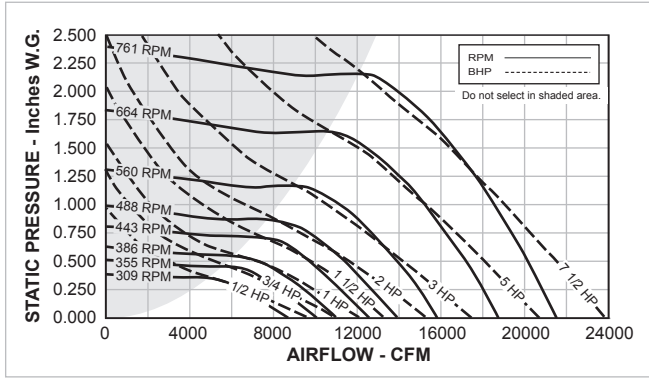
Galv. Steel Base = 14 Gage	Roof Opening = 28" SQ.	Peak BHP = (RPM/539) ³
Aluminum Base = 0.080	Damper Size = 27 3/4" SQ.	Max. RPM = 1188
Discharge Apron = 0.080	Max. Motor Frame Size = 184T	Est. Ship Weight = 219 lbs.*

* Add 65 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.500" SP		1.750" SP		2.000" SP		2.250" SP	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
1/3	347	2782	5314		3779		-		-		-		-		-		-		-		-	
	377	3023	7.6	0.22	7.2	0.27	-		-		-		-		-		-		-		-	
1/2	400	3207	6125		4899		-		-		-		-		-		-		-		-	
	420	3367	10.1	0.33	9.5	0.40	-		-		-		-		-		-		-		-	
	434	3480	6646		5548		3742		-		-		-		-		-		-		-	
	455	3648	11.6	0.42	10.7	0.50	10.0	0.51	-		-		-		-		-		-		-	
3/4	480	3848	6968		5937		4445		-		-		-		-		-		-		-	
	498	3993	13.7	0.57	12.8	0.66	11.9	0.71	-		-		-		-		-		-		-	
	520	4169	7350		6377		5078		-		-		-		-		-		-		-	
1	541	4338	14.6	0.64	13.6	0.74	12.7	0.79	-		-		-		-		-		-		-	
	560	4490	7963		7069		5984		-		-		-		-		-		-		-	
1 1/2	595	4770	15.6	0.73	14.6	0.83	13.8	0.90	-		-		-		-		-		-		-	
	621	4979	8285		7428		6433		4939		-		-		-		-		-		-	
	640	5131	16.4	0.82	15.4	0.93	14.6	1.00	13.3	1.01	-		-		-		-		-		-	
2	665	5332	17.1	0.91	16.1	1.02	15.2	1.10	14.1	1.13	-		-		-		-		-		-	
	684	5484	8576		7748		6818		5514		-		-		-		-		-		-	
	710	5693	18.5	1.09	17.5	1.21	16.5	1.30	15.4	1.35	-		-		-		-		-		-	
	730	5853	9112		8333		7491		6397		-		-		-		-		-		-	
3	750	6013	19.7	1.24	18.8	1.36	17.8	1.46	16.6	1.53	15.3	1.52	-		-		-		-		-	
	770	6174	9510		8764		7983		6985		5581		-		-		-		-		-	
	784	6286	21.0	1.35	19.6	1.48	18.6	1.59	17.5	1.67	16.2	1.68	-		-		-		-		-	
	805	6454	10184		9488		8776		7930		6835		-		-		-		-		-	
	840	6735	22.0	1.52	21.0	1.79	19.7	1.77	18.7	1.86	17.4	1.89	-		-		-		-		-	
5	880	7055	10474		9798		9109		8314		7311		5817		-		-		-		-	
	915	7336	22.0	1.65	21.0	1.79	20.0	1.92	19.4	2.01	18.1	2.06	16.8	1.99	-		-		-		-	
	931	7464	10873		10221		9560		8817		7911		6748		-		-		-		-	
			23.0	1.85	22.0	1.99	21.0	2.13	20.0	2.23	19.0	2.29	17.7	2.29	-		-		-		-	
			11179		10545		9905		9199		8347		7299		-		-		-		-	
		24.0	2.01	23.0	2.15	22.0	2.30	21.0	2.40	19.9	2.48	18.6	2.50	-		-		-		-		
		11485		10869		10248		9578		8777		7806		6405		-		-		-		
		25.0	2.18	24.0	2.33	23.0	2.49	22.0	2.59	21.0	2.68	19.4	2.71	18.2	2.63	-		-		-		
		11792		11191		10588		9953		9202		8305		7144		-		-		-		
		26.0	2.36	25.0	2.51	24.0	2.68	23.0	2.78	22.0	2.89	21.0	2.93	19.3	2.91	-		-		-		
		12006		11416		10824		10211		9487		8630		7591		-		-		-		
		27.0	2.49	26.0	2.64	25.0	2.81	24.0	2.93	23.0	3.04	21.0	3.09	20.0	3.09	-		-		-		
		12328		11753		11177		10582		9895		9090		8132		-		-		-		
		28.0	2.69	27.0	2.85	26.0	3.03	25.0	3.15	24.0	3.26	23.0	3.33	21.0	3.35	-		-		-		
		12863		12313		11761		11196		10566		9844		9011		7982		-		-		
		30.0	3.06	29.0	3.22	28.0	3.41	27.0	3.55	26.0	3.66	25.0	3.76	23.0	3.81	22.0	3.79	-		-		
		13476		12951		12424		11889		11322		10674		9918		9049		7955		-		
		31.0	3.52	30.0	3.69	29.0	3.88	28.0	4.04	27.0	4.16	26.0	4.29	25.0	4.35	23.0	4.38	22.0	4.32	-		
		14012		13507		13000		12491		11963		11351		10673		9923		9018		7663		
		33.0	3.96	32.0	4.13	31.0	4.33	30.0	4.52	29.0	4.64	28.0	4.77	27.0	4.87	25.0	4.92	24.0	4.92	23.0	4.74	
		14257		13760		13263		12764		12245		11658		11015		10285		9427		8352		
		34.0	4.17	34.0	4.35	32.0	4.54	31.0	4.75	30.0	4.87	29.0	5.00	28.0	5.11	27.0	5.17	25.0	5.18	24.0	5.11	

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan zones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

EVU36B | BELT DRIVE



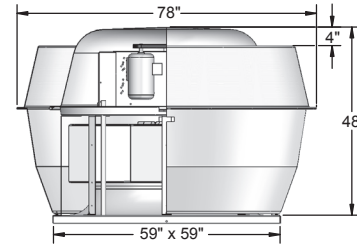
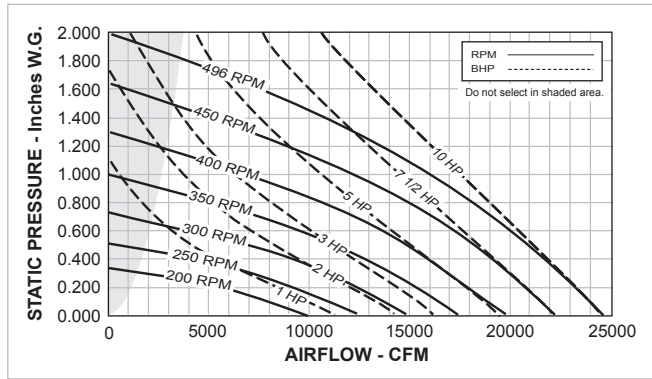
Galv. Steel Base = 12 Gage	Roof Opening = 36" SQ.	Peak BHP = (RPM/384) ³
Aluminum Base = 0.102	Damper Size = 35 1/2" SQ.	Max. RPM = 810
Discharge Apron = 0.080	Max. Motor Frame Size = 213T	Est. Ship Weight = 470 lbs.*

* Add 110 lbs. for Heat & Smoke option.

HP	RPM	Tip Speed FPM	0.000" SP		0.250" SP		0.500" SP		0.750" SP		1.000" SP		1.250" SP		1.375" SP		1.500" SP		1.750" SP		2.000" SP																		
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP															
1/2	269	2619	7603		4897		-		-		-		-		-		-		-		-																		
			5.6	0.25	5.4	0.34																																	
1/2	309	3008	8734		6761		-		-		-		-		-		-		-		-																		
			7.2	0.37	6.8	0.51																																	
3/4	335	3261	9469		7715		-		-		-		-		-		-		-		-																		
			8.4	0.48	7.8	0.63																																	
3/4	355	3456	10034		8409		-		-		-		-		-		-		-		-																		
			9.4	0.57	8.7	0.74																																	
1	370	3602	10458		8912		6306		-		-		-		-		-		-		-																		
			10.1	0.64	9.3	0.82	8.2	0.88																															
1	386	3758	10911		9441		7253		-		-		-		-		-		-		-																		
			10.9	0.73	10.0	0.92	8.8	1.01																															
1 1/2	405	3943	11448		10054		8198		-		-		-		-		-		-		-																		
			11.8	0.84	11.0	1.04	9.7	1.17																															
1 1/2	420	4089	11872		10531		8875		-		-		-		-		-		-		-																		
			12.6	0.94	11.8	1.15	10.5	1.30																															
1 1/2	443	4313	12522		11255		9785		-		-		-		-		-		-		-																		
			14.0	1.10	13.1	1.32	11.8	1.51																															
2	465	4527	13144		11941		10593		8429		-		-		-		-		-		-																		
			15.0	1.27	14.2	1.51	12.8	1.71	11.7	1.76																													
2	488	4751	13794		12653		11417		9673		-		-		-		-		-		-																		
			16.3	1.47	15.5	1.72	14.2	1.94	13.4	2.05																													
3	500	4868	14133		13022		11823		10221		-		-		-		-		-		-																		
			17.3	1.58	16.5	1.84	15.1	2.07	14.3	2.20																													
3	515	5014	14557		13483		12327		10896		8139		-		-		-		-		-																		
			18.3	1.73	17.5	2.00	16.1	2.23	15.3	2.40	14.3	2.29																											
3	530	5160	14981		13942		12827		11516		9322		-		-		-		-		-																		
			18.8	1.88	18.1	2.17	16.6	2.41	15.7	2.60	14.7	2.59																											
3	550	5355	15547		14552		13488		12259		10497		-		-		-		-		-																		
			19.4	2.11	18.7	2.42	17.2	2.65	16.1	2.87	15.2	2.94																											
3	560	5452	15829		14855		13810		12627		11008		-		-		-		-		-																		
			19.8	2.22	19.1	2.54	17.6	2.78	16.5	3.00	15.6	3.10																											
5	580	5647	16395		15460		14449		13354		11922		9624		-		-		-		-																		
			21.0	2.47	20.0	2.82	18.7	3.05	17.6	3.29	16.7	3.44	15.7	3.35																									
5	600	5841	16960		16063		15084		14062		12820		10863		-		-		-		-																		
			22.0	2.73	22.0	3.10	20.0	3.34	19.0	3.60	18.3	3.80	17.3	3.77																									
5	620	6036	17525		16663		15713		14738		13596		12025		10842		-		-		-																		
			24.0	3.02	24.0	3.41	22.0	3.64	21.0	3.92	20.0	4.14	19.4	4.22	18.7	4.14																							
5	640	6231	18091		17262		16339		15407		14337		12945		12022		10872		-		-																		
			25.0	3.32	25.0	3.74	24.0	3.96	22.0	4.26	21.0	4.50	21.0	4.63	20.0	4.61	19.7	4.53																					
5	664	6464	18769		17978		17086		16203		15213		14029		13246		12296		-		-																		
			26.0	3.71	26.0	4.17	24.0	4.38	23.0	4.69	22.0	4.96	21.0	5.15	21.0	5.17	20.0	5.14																					
7 1/2	680	6620	19221		18453		17581		16726		15791		14708		13975		13211		-		-																		
			27.0	3.98	26.0	4.47	25.0	4.67	23.0	5.00	22.0	5.28	22.0	5.51	21.0	5.54	21.0	5.56																					
7 1/2	700	6815	19787		19047		18197		17367		16481		15455		14874		14131		12265		-																		
			28.0	4.34	27.0	4.86	26.0	5.05	24.0	5.39	23.0	5.69	22.0	5.94	22.0	6.03	21.0	6.05	20.0	5.96																			
7 1/2	720	7010	20352		19639		18813		18003		17155		16193		15681		15037		13445		-																		
			29.0	4.72	29.0	5.28	27.0	5.48	25.0	5.81	24.0	6.13	23.0	6.39	23.0	6.52	23.0	6.57	22.0	6.56																			
7 1/2	745	7253	21059		20372		19579		18794		17990		17104		16610		16116		14756		12913																		
			31.0	5.23	31.0	5.81	29.0	6.04	27.0	6.36	26.0	6.70	25.0	6.99	25.0	7.12	24.0	7.25	24.0	7.31	22.0	7.17																	
7 1/2	761	7409	21511		20839		20067		19297		18520		17681		17198		16714		15488		13862																		
			32.0	5.58	32.0	6.17	31.0	6.42	29.0	6.73	28.0	7.08	27.0	7.40	26.0	7.53	26.0	7.66	25.0	7.77	24.0	7.71																	

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

MEVU50B | BELT DRIVE



Galv. Steel Base = 12 Gage	Roof/Wall Opening = 50" SQ.	Peak BHP = (RPM/218) ³
Aluminum Base = 0.125	Damper Size = 49 1/2" SQ.	Max. RPM = 496
Discharge Apron = 0.125	Max. Motor Frame Size = 215T	Est. Ship Weight = 928 lbs.

HP	RPM	Tip Speed FPM	0.000		0.125		0.250		0.375		0.500		0.625		0.750		1.000		1.250		1.500	
			Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP
3/4	190	2487	9590		6496		-		-		-		-		-		-		-		-	
			6.8	0.58	6.5	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	220	2880	11104		8594		5052		-		-		-		-		-		-		-	
			8.2	0.90	8.0	0.82	7.8	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	240	3142	12114		9844		6952		2496		-		-		-		-		-		-	
			9.0	1.17	8.9	1.09	8.6	0.94	8.6	0.62	-	-	-	-	-	-	-	-	-	-	-	-
2	265	3469	13376		11332		8913		5705		-		-		-		-		-		-	
			9.6	1.57	10.0	1.48	9.5	1.35	9.4	1.11	-	-	-	-	-	-	-	-	-	-	-	-
3	300	3927	15142		13343		11401		9007		5907		-		-		-		-		-	
			10.3	2.28	11.6	2.18	11.1	2.07	10.3	1.86	10.3	1.56	-	-	-	-	-	-	-	-	-	-
5	350	4581	17666		16127		14558		12761		10689		8219		5128		-		-		-	
			12.6	3.62	14.6	3.50	14.2	3.39	13.5	3.22	12.6	2.97	12.6	2.65	12.6	2.17	-	-	-	-	-	-
7.5	400	5236	20189		18846		17489		16096		14446		12643		10643		5311		-		-	
			14.6	5.41	16.2	5.27	17.0	5.14	16.4	5.01	15.7	4.79	14.6	4.50	14.6	4.17	14.6	3.12	-	-	-	-
10	450	5890	22713		21519		20316		19098		17855		16346		14767		11171		6364		-	
			16.0	7.70	19.5	7.54	19.7	7.39	19.2	7.25	18.6	7.10	17.7	6.83	16.5	6.53	16.0	5.76	16.0	4.56	-	-
10	496	6493	25035		23951		22864		21768		20650		19490		18119		15199		11733		7381	
			17.3	10.3	22.6	10.14	22.2	9.97	21.7	9.81	21.1	9.65	20.5	9.47	19.6	9.17	17.3	8.46	17.3	7.57	17.3	6.24

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include drive losses. For further information on estimating belt drive losses and motor service factors see page 12. The sound ratings shown are for loudness values in fan sones at 5'0" (1.5m) in a hemispherical free field per AMCA Standard 301. Values shown are for installation Type A: free inlet hemispherical sone levels. Performance ratings do not include the effects of appurtenances in the airstream.

ENGINEERING SPECIFICATIONS

Model

EVU = Centrifugal Fan
WEVU = Wall Mounted Centrifugal Fan
MEVU = High Capacity Centrifugal Fan

Unit Size

08, 10, 11, 12, 13, 14, 16, 18, 24, 27, 30, 36, 50

Drive Type

D = Direct Drive
B = Belt Drive

Motor Tap

Q = 1725 RPM
R = 1550 RPM
S = 1300 RPM
V = 1050 RPM
Q1 = 1650 RPM
Q2 = 1725 RPM

ECM

0 = None
G = ECM

Motor Speed

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

Horse Power

See selection software.

Enclosure

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

Voltage

See selection software.

Phase

1 = Single
3 = Three

Cycle

5 = 50 Hz
6 = 60 Hz

Efficiency

S = Standard
H = High Efficiency

Paint / Coating

0 = None
F = Epoxy Powder Coat*
G = Epoxy Powder Coat with UV*
H = Hi-Temp Powder Coat*
J = Non-stick Powder Coat*
K = Phenolic Powder Coat*
L = Phenolic Powder Coat with UV*
N = Polyester Powder Coat
X = Special
** Not available with choice of color.*

Color

0 = None
50 = Chrome Green
55 = Pale Green
56 = Dove Gray
61 = White
63 = Oxford Beige
65 = Dover White
66 = Desert Tan
70 = Black
73 = Smoke Gray
77 = Brick Red
79 = Peppercorn
81 = Pale Brown
83 = Chocolate Brown
85 = Timeless Bronze
94 = Charcoal
X = Special

AMCA Spark Rating

0 = None
C = Standard
B = Optional

Damper

0 = None
BDD = Gravity Back Draft Damper
MD1 = Gravity Back Draft Damper 115V
MD2 = Gravity Back Draft Damper 230V
MD4 = Gravity Back Draft Damper 460V
ED1 = Explosion Proof Motor
Operated Damper 115V

Screen

0 = None
B = Bird Screen
S = Insect/Bird Screen

Roof Curb

See selection software.

Slope

0 = None
S = Single
D = Double

Metal Liner

0 = None
L = Metal Liner

Damper Holding Plate

0 = None
P = Damper Holding Plate

Neoprene Gasket

0 = None
G = Gasket

Wooden Nailer

0 = None
W = Wooden Nailer

Curb Paint/Coating

B = Air Dried Epoxy
Q = Enamel

Hinged Sub-base

0 = None
H = Hinged Sub-base

Mounting Pedestal

0 = None
P = Mounting Pedestal

Floating Hinge Kit

0 = None
H = Floating Hinge Kit

Aluminum Base

0 = None
A = Aluminum Base

Thermal Overload Protection

0 = None
P = Thermal Overload Protection

Disconnect Switch

0 = None
1 = NEMA 1 Disconnect Switch
3R = NEMA 3R Disconnect Switch
4 = NEMA 4 Disconnect Switch
7 = NEMA 7 Disconnect Switch
9 = NEMA 9 Disconnect Switch

Internal Wiring

0 = None
1 = NEMA 1 Internal Wiring
3R = NEMA 3R Internal Wiring

Transformer

0 = None
T = Transformer

Speed Controller

0 = None
L = Loose
M = Mounted

Firestat Switch

0 = None
F = Firestat Switch

Continued, next page.

ENGINEERING SPECIFICATIONS

Fatrap

0 = None
F = Fatrap

Heat & Smoke Removal

0 = None
-HS = Heat & Smoke Removal

Wall Mount

0 = None
W = Wall Mount

High Pressure Wheel

0 = None
H = High Pressure Wheel

High Wind Construction

0 = None
M = Miami Dade Approved

Pressure Controlled Package

L = Low Voltage
H = High Voltage
C = Control 24V

EVU - Direct Drive Units

Direct drive centrifugal roof exhaust upblast fan shall be model EVU, manufactured by YORK® by Johnson Controls. The housing shall be weatherproof, utilize heavy gauge spun aluminum construction with a large rolled bead for strength, with galvanized (aluminum optional) base, with rigid galvanized steel internal support structures. Housing shall not provide any of the internal structural support. Units shall be equipped with an oversized electrical conduit chase through the curb cap and into the motor compartment for ease of wiring (except Explosion Proof). Units shall be pre-wired to a junction box mounted in the motor compartment and equipped with an electrical disconnect device (except Explosion Proof).

Statically and dynamically balanced backward inclined, centrifugal wheels shall be aluminum, spark-resistant, nonoverloading, and matched to deeply spun venturis. Motors shall be continuous duty, permanently lubricated, multispeed (for applicable models), have thermal overload protection, mounted out of the main airstream, be easily accessible for service, and furnished at the specified voltage, phase and enclosure. Each fan shall bear the AMCA Certified Ratings Seal for Air and Sound Performance, and shall be UL (UL705, UL762 optional applicable models) listed. If specified (Fatrap option), fan shall additionally provide UL762 listing rated at 400°F, motor pre-wired to a weather-proof junction box, and drain connection leading into a grease collector/separator box.

EVU - Belt Drive Units

Belt drive centrifugal roof exhaust upblast fan shall be model EVU, manufactured by YORK® by Johnson Controls. The housing shall be weatherproof, utilize heavy-gauge spun aluminum construction with a large rolled bead for strength, with galvanized (aluminum optional except MEVU) base, with rigid galvanized steel internal support structures. Housing shall not provide any of the internal structural support. Large diameter cooling tube shall provide ambient air to flow over motor. Units shall be equipped with an oversized electrical conduit chase through the curb cap and into the motor compartment for ease of wiring (except Explosion Proof). Units shall be prewired to a junction box mounted in the motor compartment and equipped with an electrical disconnect device (except Explosion Proof).

Statically and dynamically balanced backward inclined, centrifugal wheels shall be aluminum, spark-resistant, nonoverloading, and be matched to deeply spun venturis. Motors shall be continuous duty, ball bearing design, permanently lubricated, mounted out of the main airstream, and furnished at the specified voltage, phase, and enclosure. Shafts shall be turned, ground and polished. Heavy duty ball bearings are rated for a minimum L50 life exceeding 200,000 hours. Pulleys shall be adjustable, cast iron, machined, keyed, securely attached, and sized for 150% of the horsepower at its rated maximum speed. Each fan shall bear the AMCA Certified Ratings Seal for Air and Sound Performance (EVU) or for Air performance (MEVU), and shall be UL (UL705, UL762 optional) listed. If specified (Fatrap option), fan shall additionally provide UL762 listing rated at 400°F. (300°F MEVU), motor pre-wired to a weather-proof junction box, and drain connection leading into a grease collector/separator box. If specified (heat and smoke removal option), fan shall additionally provide UL listing rated for 500°F at 4-hours and 1000°F at 1 hour, including steel wheel and additional cooling tube.

At Johnson Controls, we truly understand HVAC systems. In fact, we produce some of the most robust HVAC equipment, parts and controls on the market today. But we don't just sell products. We also offer the expertise, services and strategic insight to make them work within your current system, optimizing your building's performance and lowering your overall costs. If you're interested in revolutionizing your HVAC system, contact an expert today. Otherwise, browse our full-suite of HVAC products.

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