

Centrifugal Upblast Roof Exhausters, EVU-Series

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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.

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 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.



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.



UL and cUL Certification

EVU-Series fans carry the UL label, UL705 (ZACT/ZACT7), file #E477250. EVU-Series fans with the “Fatrap” option carry the UL label UL762 (YZHW/YZHW7), file #E477318. EVU-Series fans with the heat and smoke removal option carry the UL label UL793 (ZAXH/ZAXH7), file #MH60894.

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

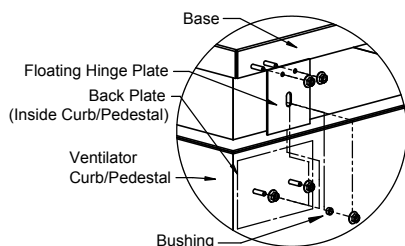
The 12" high mounting pedestal, available in aluminum or galvanized steel, incorporates a removable access panel for easy inspection and service of motor operated back draft dampers. It provides solid ventilator support and a weather resistant seal that does not injure or disturb flashing. This item 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 exhaustor 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 Air minder 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 Air minder 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 120V/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

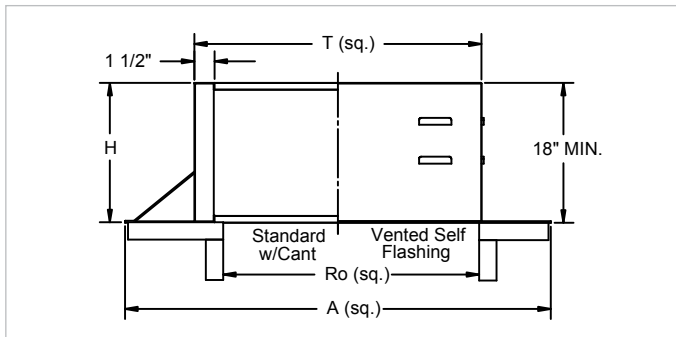
This option is provided as a separate product line, whose models include a "W" prefix. Product line includes models up to size 24, motors up to 2HP, and round bases (not available on heat and smoke removal units).

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

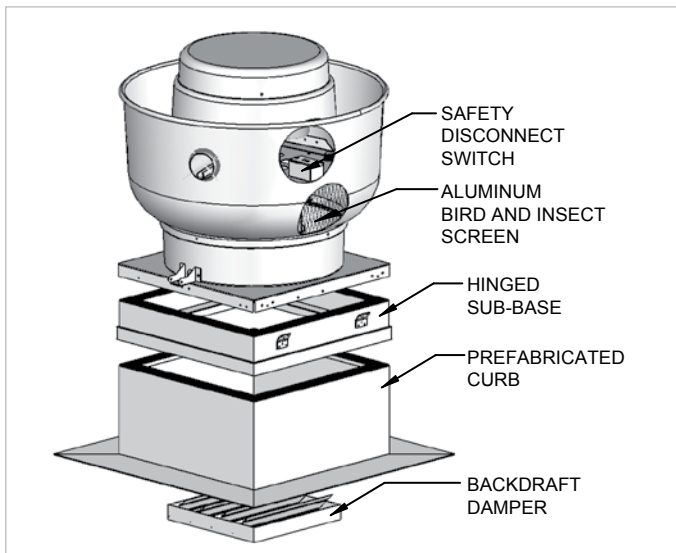
EVU Curb Dimensions



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

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

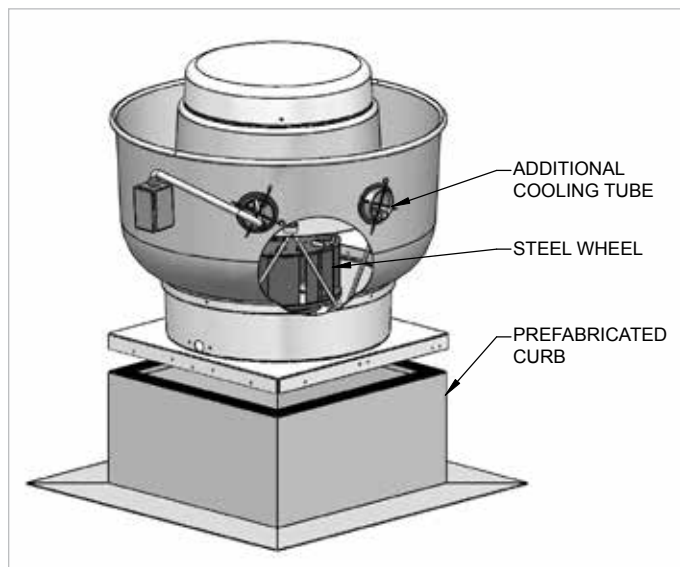
While EVU fans are commonly used for general ventilation, they are also designed to discharge contaminated or grease-laden air or fumes up and away from building surfaces with the Fatrap option. When equipped with the Heat and Smoke Removal option, this series of fans incorporates features exclusively 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

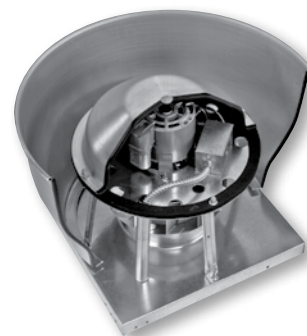
High wind construction EVU fans are specifically designed for high wind hurricane zones (HWHZ). These models are designed to withstand 150 MPH winds in accordance with Miami-Dade and Florida Building Code standards. The units are tested and certified through a 3rd party Professional Engineer (P.E.) to 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



Green Plus Electronically Commutated Motor

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

Model	Size	Tap	ECM HP
EVU /WEVU	8	V	1/6
	8	S	1/6
	8	R	1/6
	8	Q	1/6
	10	V	1/6
	10	S	1/6
	10	R	1/6
	10	Q	1/6
	11	V	1/6
	11	S	1/6
	11	R	1/6
	11	Q	1/4
	13	V	1/6
	13	S	1/6
	13	R	1/6
	13	Q	1/4
	16	V	1/6
	16	S	1/3
	16	R	1/3
	16	Q1	1/2
	16	Q2	3/4
	18	V	3/4

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.

(7) Available on EC Motor 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".

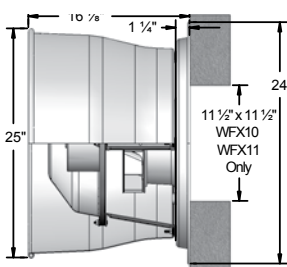
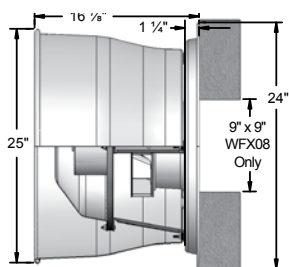
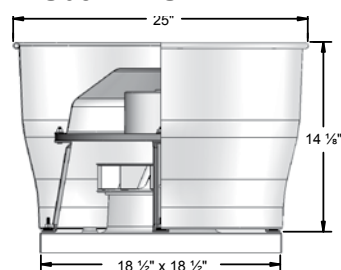
By using Lek-Trol™ variable speed controllers, the high speed flow rate of most models can be reduced by as much

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 PennBarry representative.

EVU08 - EVU11

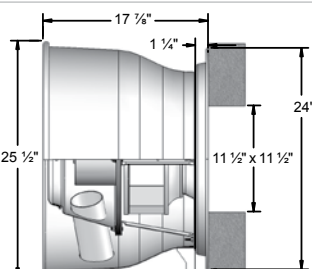
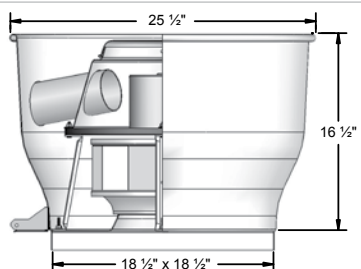


(EVU Units Only) Galv. Steel Base = 16 Gage
(WEVU Units Only) Aluminum Base = 0.064
(EVU Units Only) Aluminum Base = 0.050
Discharge Apron = 0.050
EVU08 Estimated Ship Weight = 29 lbs.
EVU10 Estimated Ship Weight = 32 lbs.
EVU11V/S/R Estimated Ship Weight = 42 lbs.
EVU11Q Estimated Ship Weight = 44 lbs.

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	
	HP	Max Watts	RPM		CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones
EVU8V	1/00(3)	-(3)	1050	2715	200	0.4	96	0.8	42	0.8	-	-	-	-	-	-	-	-	-	-
EVU8S	1/50	44	1300	3361	247	1.3	150	2	94	3.2	54	4.3	-	-	-	-	-	-	-	-
EVU8R	1/30	55	1550	4007	288	2.4	205	2.9	154	3.5	112	4.4	72	5.2	-	-	-	-	-	-
EVU8Q	1/20(3)	-(3)	1725	4460	325	3.2	249	3.6	197	3.9	157	3.9	121	3.9	85	3.9	46	3.9	-	-
EVU10V	1/50(3)	-(3)	1050	2715	323	1.6	221	2.3	155	2.2	103	2.2	40	2.2	-	-	-	-	-	-
EVU10S	1/25	85	1300	3361	400	3.5	309	3.8	246	4.1	194	4.6	152	5	109	5.5	57	6.1	-	-
EVU10R	1/12	122	1550	4007	570	6.2	500	6.6	440	6.8	385	6.8	325	6.8	251	6.9	170	7.1	-	-
EVU10Q	1/6(3)	-(3)	1725	4460	644	7.7	582	8.1	526	8.4	476	8.6	426	8.5	373	8.5	309	8.5	168	8.5
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	417	4.2	337	5.1	273	5.9	223	6.2	177	6.5	129	6.9	-	-
EVU11R	1/6	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. (3) Available on EC Motor only. See additional notes on page 11.

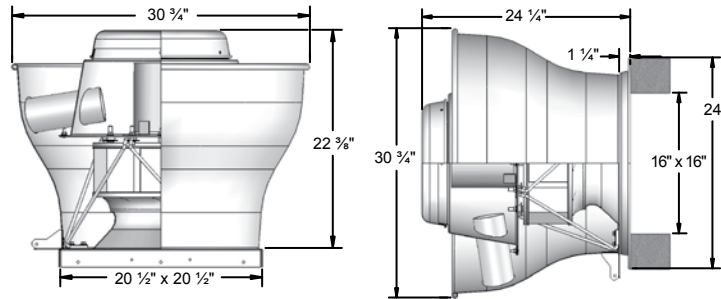
EVU13



(EVU Units Only) Galv. Steel Base = 16 Gage
(WEVU Units Only) Aluminum Base = 0.064
(EVU Units Only) Aluminum Base = 0.050
Discharge Apron = 0.050
EVU13S/R Estimated Ship Weight = 45 lbs.
EVU13Q Estimated Ship Weight = 52 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	
	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

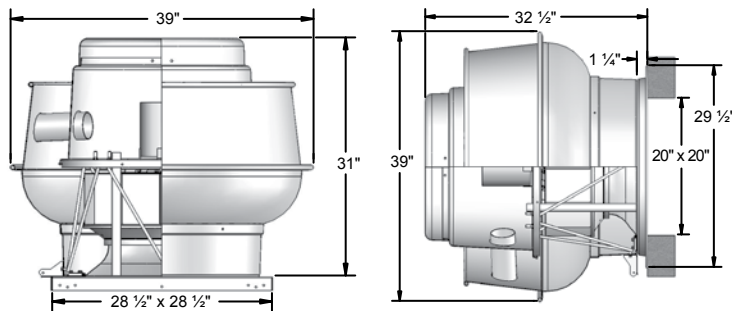
See notes on page 11.

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

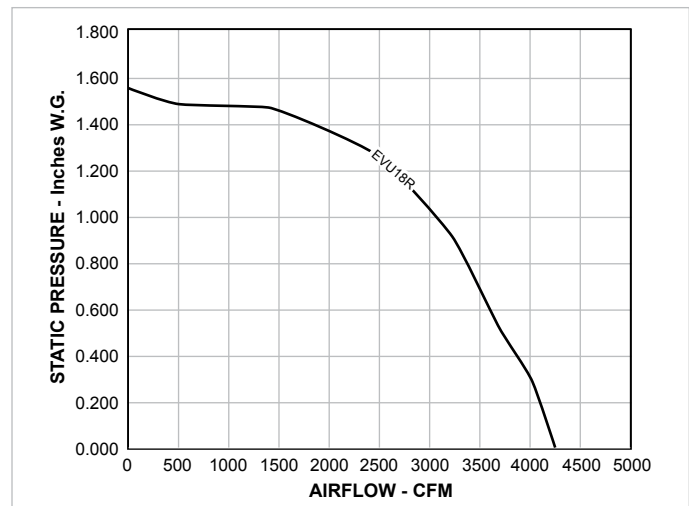
The fan curves illustrated here show the range of capacities available for direct drive units. Each graph shows the performance of several models at one particular nominal speed. Fan curves provide a quick method for selecting a fan unit based on design point requirements.

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.

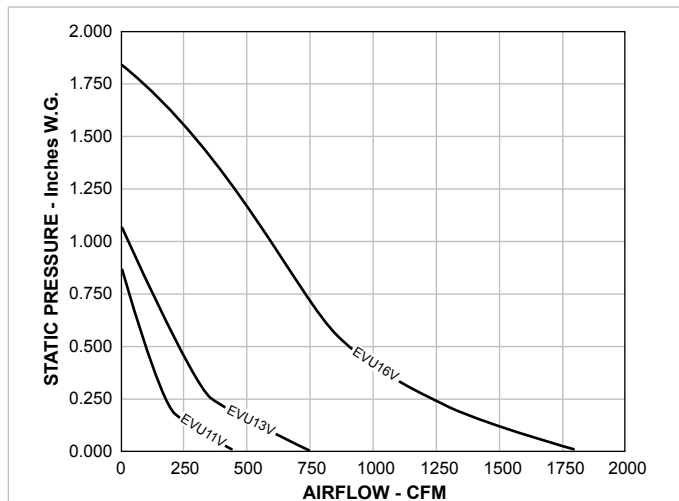
Please refer to the Motor Availability section to make sure the motor you select meets your electrical requirements.

EVU-Series fans are only one component of a total system. As such, fan performance is directly affected by the 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.

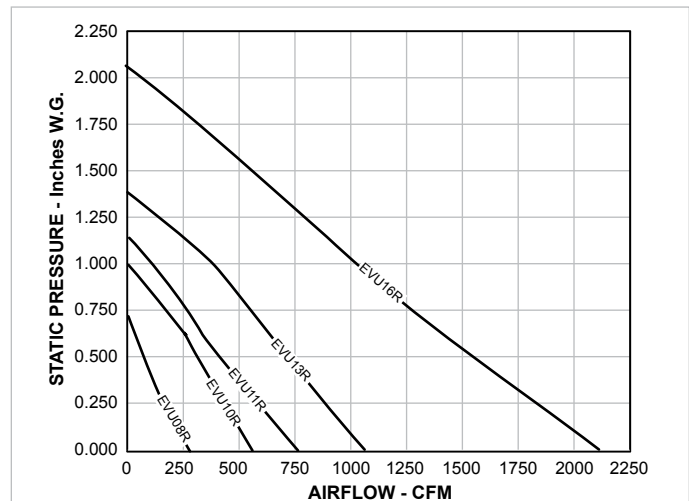
Nominal 1075 RPM



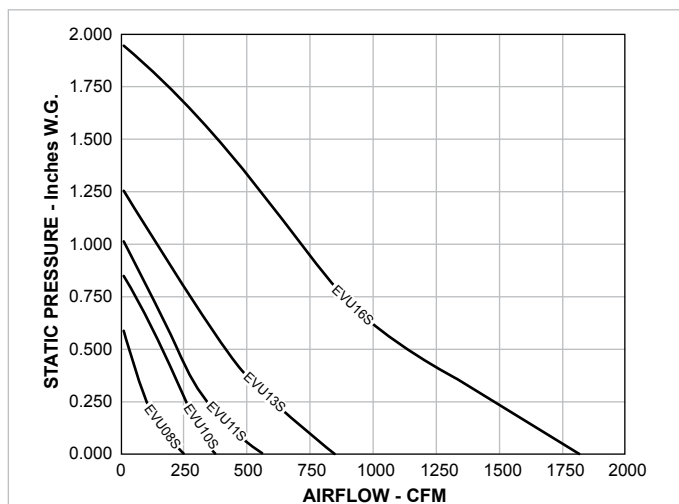
Nominal 1050 RPM



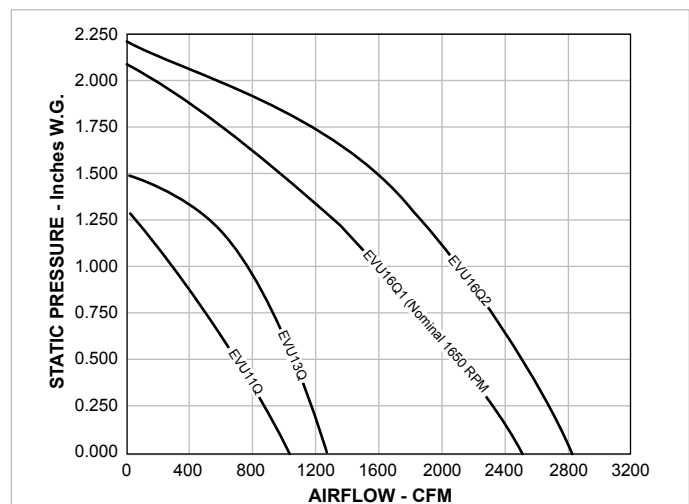
Nominal 1550 RPM



Nominal 1300 RPM



Nominal 1725 RPM



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.

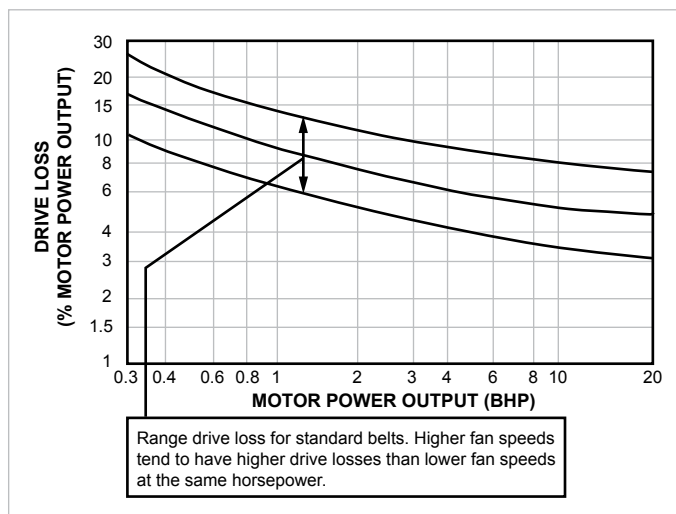
Use the Motor Availability chart (see Motor Selection) to select motor enclosures and voltages which can be installed in the fans.

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%.

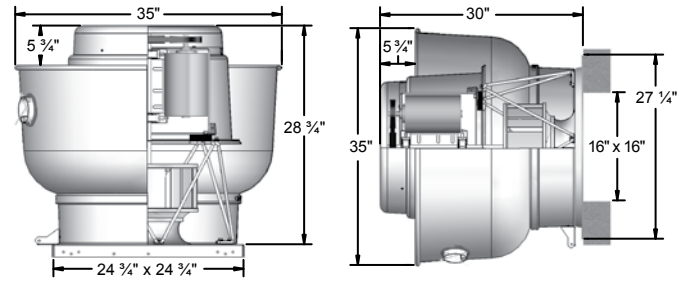
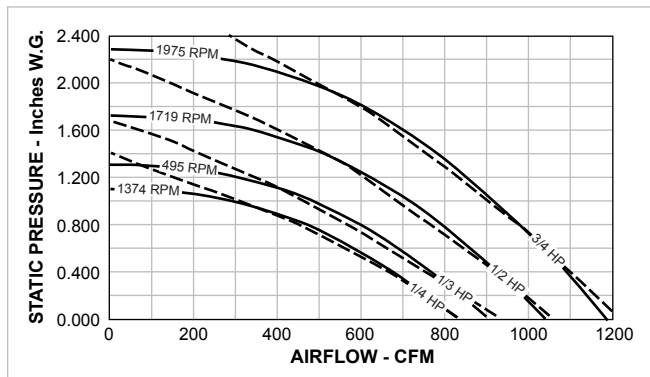
Drive Loss Reference Chart



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

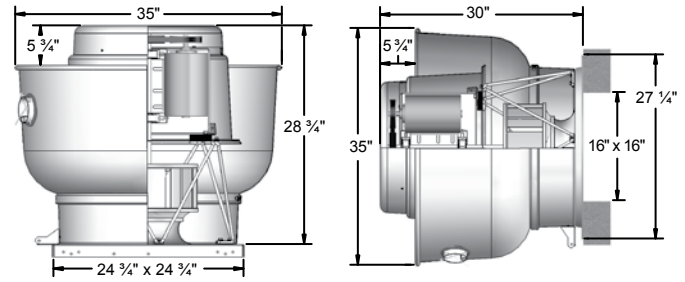
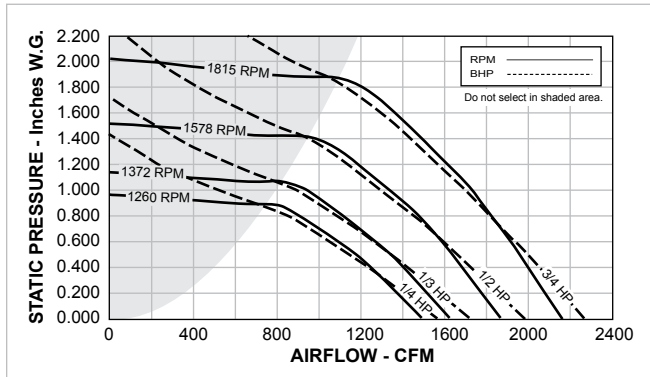


Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/2126) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2085
Discharge Apron = 0.064	Max. Motor Frame Size = 55	Est. Ship Weight = 96 lbs.*

* 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
1/4	350	1191	208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			1.7	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	525	1787	312	162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			4.2	0.01	4.2	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	700	2382	416	320	163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			4.5	0.03	4.4	0.03	4.2	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	875	2978	520	447	359	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			5.9	0.06	5.8	0.07	5.6	0.07	5.3	0.07	-	-	-	-	-	-	-	-	-	-	-	-
1/3	1050	3574	624	563	497	422	324	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			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	677	623	564	498	421	306	-	-	-	-	-	-	-	-	-	-	-	-	-
			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	771	724	674	619	560	493	407	275	-	-	-	-	-	-	-	-	-	-	-
			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	-	-
	1410	4799	838	793	748	700	647	591	528	455	346	152	-	-	-	-	-	-	-	-	-	-
			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
1/2	1440	4901	856	812	767	722	670	616	557	489	394	252	-	-	-	-	-	-	-	-	-	-
			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	9.7	0.27
	1470	5003	874	831	787	743	693	640	584	519	437	318	-	-	-	-	-	-	-	-	-	-
			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	10.3	0.30
	1495	5088	889	846	804	760	711	660	605	543	472	366	-	-	-	-	-	-	-	-	-	-
			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	10.9	0.32
	1535	5224	912	871	830	787	741	692	639	582	518	429	-	-	-	-	-	-	-	-	-	-
			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	11.5	0.35
3/4	1565	5326	930	890	849	807	763	715	664	611	548	472	-	-	-	-	-	-	-	-	-	-
			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	11.9	0.38
	1595	5428	948	909	869	828	785	738	689	637	578	511	-	-	-	-	-	-	-	-	-	-
			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	12.3	0.41
	1630	5548	969	930	891	851	810	764	717	667	612	551	-	-	-	-	-	-	-	-	-	-
			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	12.7	0.44
	1665	5667	990	952	914	875	835	790	745	696	646	587	-	-	-	-	-	-	-	-	-	-
			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	13.1	0.47
1	1695	5769	1008	970	933	895	856	813	768	721	672	616	-	-	-	-	-	-	-	-	-	-
			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	13.6	0.50
	1719	5850	1022	985	948	911	872	830	787	741	693	640	-	-	-	-	-	-	-	-	-	-
			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	13.9	0.52
	1755	5973	1043	1007	971	934	897	857	814	770	723	674	-	-	-	-	-	-	-	-	-	-
			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	14.5	0.56
	1795	6109	1067	1032	997	961	924	886	844	802	757	711	-	-	-	-	-	-	-	-	-	-
			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	15.2	0.59
1 1/2	1830	6228	1088	1053	1019	984	948	911	870	829	786	741	-	-	-	-	-	-	-	-	-	-
			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	15.9	0.63
	1860	6330	1106	1072	1038	1003	968	933	893	853	810	766	-	-	-	-	-	-	-	-	-	-
			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	16.4	0.66
	1890	6432	1124	1090	1057	1023	988	953	915	875	834	791	-	-	-	-	-	-	-	-	-	-
			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	17.0	0.69
	1920	6535	1141	1109	1076	1042	1008	974	937	898	858	816	-	-	-	-	-	-	-	-	-	-
			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	17.4	0.72
2	1950	6637	1159	1127	1095	1062	1028	995	959	920	882	841	-	-	-	-	-	-	-	-	-	-
			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	17.9	0.75
3	1975	6722	1174	1142	1110	1078	1045	1012	977	939	901	861	-	-	-	-	-	-	-	-	-	-
			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	18.3	0.78

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include transmission 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

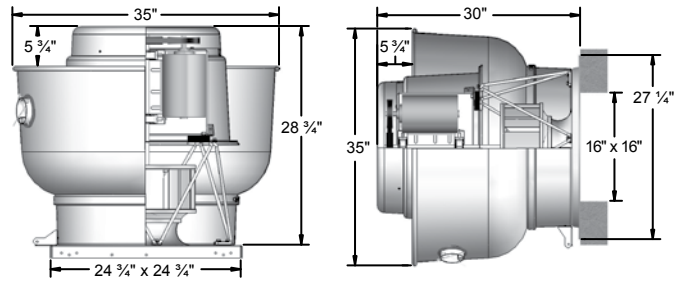
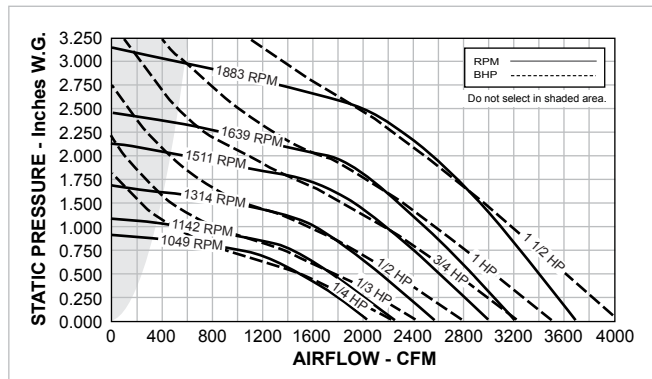
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1869) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2085
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 96 lbs.*

* 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
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	-		-		-		-		-	
1/3	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	-		-		-	
	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	0.30	13.1	0.31	-		-		-	
1/2	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	-		-	
	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	-	
3/4	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	-	
	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	-	
	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
	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
3/4	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
	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
	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
3/4	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
3/4	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
3/4	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 transmission 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

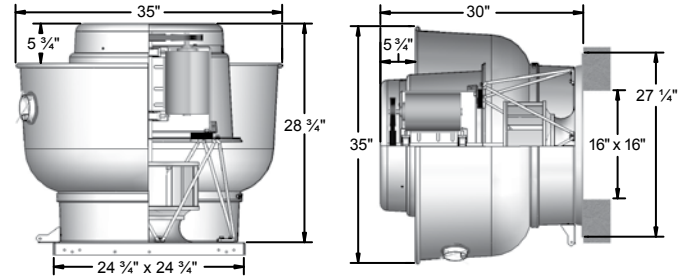
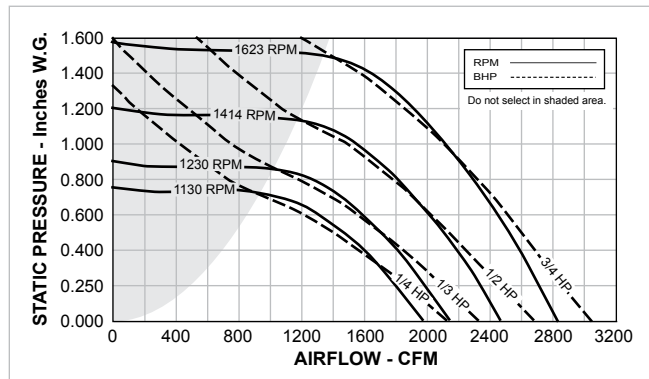


Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1632) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2440
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 109 lbs.*

* 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
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1/3	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	-	-	-	-	-	-	-	-	-	-	-	-	-	
	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	-	-	-	-	-	-	-	
1	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 1/2	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	-	-	-	-
2	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	-	-	-	-
	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 transmission 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.

EVU13B | BELT DRIVE

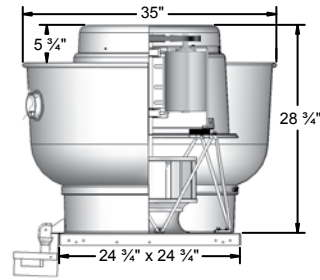
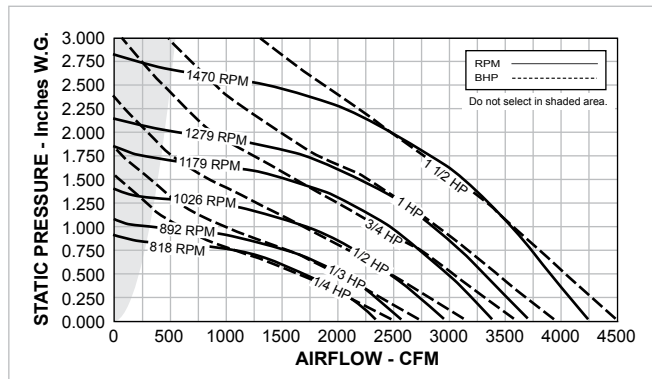
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1751) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 2202
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 110 lbs.*

* 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
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	-	-	-	-	-	-	-	-
1/2	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	-	-	-	-	-	-	-	-
	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 transmission 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.

EVU13BHFT | BELT DRIVE

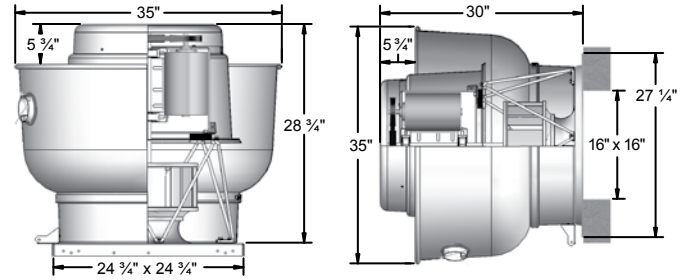
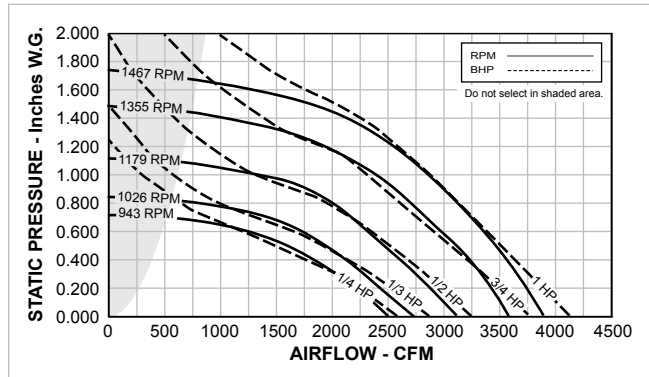


Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1277) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 1875
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 115 lbs.*

* 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
1/4	750	3670	1817	1312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	818	4002	7.2 0.19	6.7 0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	850	4159	2046	1645	915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	892	4365	7.9 0.25	7.4 0.26	7.2 0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	925	4526	2152	1781	1168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	950	4648	8.4 0.27	7.9 0.29	7.7 0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	1026	5020	2289	1953	1463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1050	5138	9.3 0.31	8.8 0.33	8.4 0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1075	5260	2395	2080	1641	782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1100	5382	9.9 0.35	9.4 0.37	9.0 0.38	8.3 0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	1125	5505	2476	2176	1769	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1150	5627	10.3 0.38	9.8 0.40	9.4 0.41	9.0 0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1179	5769	2554	2270	1888	1298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1200	5872	10.7 0.41	10.1 0.43	9.7 0.44	9.4 0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	1225	5994	2630	2360	2006	1483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1255	6141	11.3 0.44	10.6 0.46	10.1 0.48	9.8 0.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	1279	6258	2709	2451	2119	1666	739	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1300	6361	11.8 0.47	11.1 0.50	10.7 0.52	10.3 0.51	9.4 0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	1325	6483	2782	2534	2218	1798	1104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1360	6655	12.3 0.50	11.6 0.53	11.2 0.55	10.8 0.55	10.1 0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	1382	6777	2858	2619	2321	1932	1333	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1400	6850	13.0 0.54	12.2 0.57	11.8 0.59	11.3 0.59	10.8 0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	1425	6973	2933	2705	2421	2057	1529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1450	7095	13.6 0.57	12.8 0.60	12.5 0.63	12.0 0.63	11.3 0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	1470	7193	3008	2788	2518	2177	1708	828	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1500	7315	14.2 0.61	13.4 0.64	13.1 0.67	12.6 0.68	12.0 0.66	11.1 0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	1525	7437	3083	2871	2613	2294	1881	1206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1550	7559	14.5 0.65	13.7 0.68	13.4 0.71	12.9 0.73	12.4 0.72	11.6 0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	1575	7681	3169	2967	2723	2422	2038	1471	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1600	7803	14.9 0.70	14.1 0.73	13.7 0.76	13.3 0.78	12.9 0.78	12.2 0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	1625	7925	3232	3036	2802	2510	2150	1636	611	-	-	-	-	-	-	-	-	-	-	-	-	-
	1650	8047	15.2 0.74	14.4 0.77	14.0 0.80	13.6 0.82	13.2 0.82	12.6 0.78	12.0 0.54	-	-	-	-	-	-	-	-	-	-	-	-	-
25	1675	8169	3306	3118	2891	2613	2277	1819	1054	-	-	-	-	-	-	-	-	-	-	-	-	-
	1700	8291	15.6 0.79	14.8 0.82	14.2 0.85	13.9 0.87	13.5 0.88	13.1 0.85	12.5 0.70	-	-	-	-	-	-	-	-	-	-	-	-	-
30	1725	8413	3396	3216	2996	2736	2420	2029	1442	-	-	-	-	-	-	-	-	-	-	-	-	-
	1750	8535	16.1 0.84	15.2 0.88	14.6 0.91	14.3 0.93	13.9 0.95	13.6 0.93	13.1 0.84	-	-	-	-	-	-	-	-	-	-	-	-	-
40	1775	8657	3467	3294	3079	2830	2533	2165	1633	569	-	-	-	-	-	-	-	-	-	-	-	-
	1800	8779	16.5 0.89	15.6 0.93	15.0 0.96	14.6 0.98	14.3 1.0	14.0 0.99	13.6 0.92	13.3 0.63	-	-	-	-	-	-	-	-	-	-	-	-
50	1825	8901	3529	3362	3151	2911	2631	2278	1797	972	-	-	-	-	-	-	-	-	-	-	-	-
	1850	9023	16.9 0.93	16.0 0.97	15.3 1.00	14.9 1.03	14.6 1.06	14.4 1.04	14.0 0.99	13.6 0.79	-	-	-	-	-	-	-	-	-	-	-	-
60	1875	9145	3603	3442	3237	3007	2737	2411	1978	1351	-	-	-	-	-	-	-	-	-	-	-	-
	1900	9267	17.3 0.99	16.5 1.02	15.7 1.06	15.3 1.09	15.0 1.11	14.8 1.11	14.5 1.07	14.1 0.95	-	-	-	-	-	-	-	-	-	-	-	-
80	1925	9389	3706	3554	3355	3139	2882	2581	2222	1688	680	-	-	-	-	-	-	-	-	-	-	-
	1950	9511	17.9 1.07	17.1 1.10	16.2 1.14	15.9 1.17	15.5 1.20	15.3 1.20	15.1 1.18	14.8 1.10	14.8 0.79	-	-	-	-	-	-	-	-	-	-	-
100	1975	9633	3824	3677	3489	3288	3046	2770	2438	1997	1355	-	-	-	-	-	-	-	-	-	-	-
	2000	9755	18.5 1.16	17.7 1.20	16.8 1.24	16.5 1.27	16.1 1.29	15.9 1.32	15.7 1.30	15.5 1.25	15.4 1.10	-	-	-	-	-	-	-	-	-	-	-
125	2025	9877	3897	3753	3572	3375	3145	2887	2571	2174	1651	493	-	-	-	-	-	-	-	-	-	-
	2050	9999	18.9 1.22	18.1 1.26	17.2 1.30	16.8 1.34	16.5 1.36	16.2 1.39	16.1 1.37	15.9 1.34	15.8 1.24	16.1 0.80	-	-	-	-	-	-	-	-	-	-
150	2075	10121	3972	3829	3654	3462	3241	2992	2697	2349	1849	1028	-	-	-	-	-	-	-	-	-	-
	2100	10243	19.3 1.29	18.5 1.33	17.5 1.36	17.2 1.40	16.8 1.43	16.5 1.46	16.4 1.45	16.3 1.43	16.2 1.34	16.2 1.08	-	-	-	-	-	-	-	-	-	-
200	2125	10365	4032	3889	3720	3532	3318	3075	2793	2463	2006	1345	-	-	-	-	-	-	-	-	-	-
	2150	10487	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 1.24	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include transmission 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

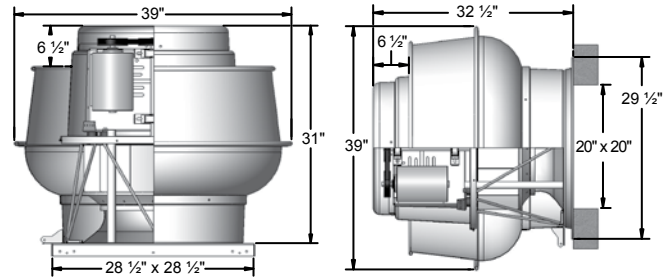
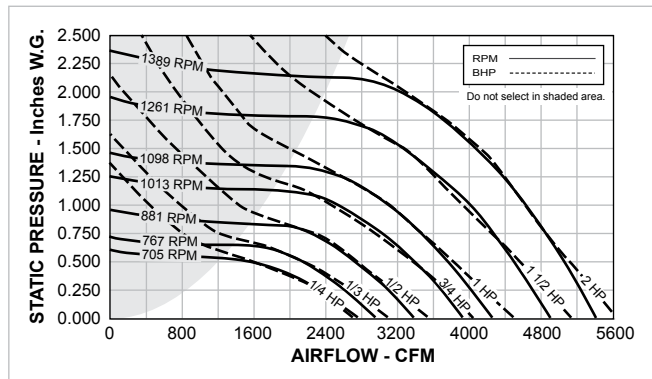
Galv. Steel Base = 16 Gage	Roof/Wall Opening = 16" SQ.	Peak BHP = (RPM/1462) ³
Aluminum Base = 0.064	Damper Size = 15 3/4" SQ.	Max. RPM = 1790
Discharge Apron = 0.064	Max. Motor Frame Size = 56	Est. Ship Weight = 112 lbs.*

* 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
1/4	400	1662	1061		-		-		-		-		-		-		-		-		-	
			4.8	0.02	-		-		-		-		-		-		-		-		-	
	550	2286	1459		-		-		-		-		-		-		-		-		-	
			4.9	0.04	-		-		-		-		-		-		-		-		-	
	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		-		-		-		-		-		-		-
	880	3657	2334		1955		1367		-		-		-		-		-		-		-	
11.8			0.18	11.1	0.21	9.8	0.21		-		-		-		-		-		-		-	
1/3	943	3919	2502		2154		1673		1230		-		-		-		-		-		-	
			13.0	0.22	12.3	0.26	11.0	0.27	10.4	0.25		-		-		-		-		-		-
	975	4052	2586		2253		1812		1480		-		-		-		-		-		-	
			13.6	0.25	12.8	0.28	11.5	0.30	11.0	0.29		-		-		-		-		-		-
	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		-		-		-		-		-
	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		-		-		-		-		-
	1/2	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		-		-		-		-		-
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		-		-		-		-
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		-		-		-		-
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		-		-		-
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		-		-		-	
3/4	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		-		-		-
	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		-		-		-
	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		-		-		-
	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		-		-
	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		-
	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	16.1	0.76	16.1	0.67		-
	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
	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
	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	
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	
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 transmission 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

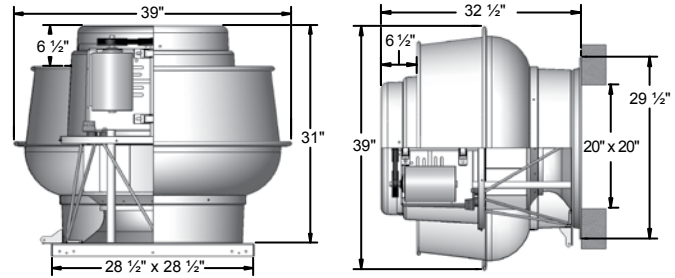
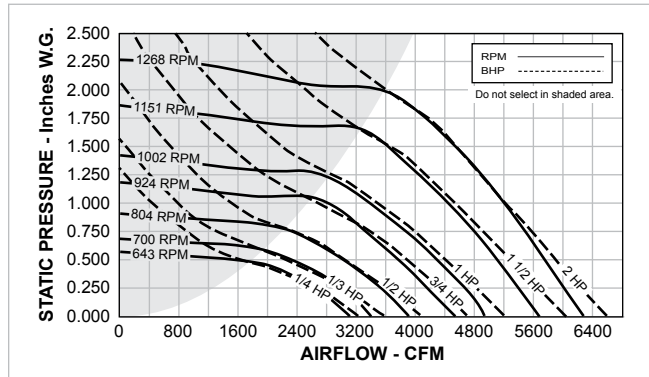


Galv. Steel Base = 14 Gage	Roof/Wall Opening = 20" SQ.	Peak BHP = (RPM/1095) ³
Aluminum Base = 0.080	Damper Size = 19 3/4" SQ.	Max. RPM = 1755
Discharge Apron = 0.064	Max. Motor Frame Size = 145T	Est. Ship Weight = 144 lbs.*

* 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
1/4	500	2446	1999		1280		-		-		-		-		-		-		-		-	
			6.0	0.08	5.2	0.09	-		-		-		-		-		-		-		-	
	609	2979	2435		1951		-		-		-		-		-		-		-		-	
			8.8	0.15	8.1	0.17	-		-		-		-		-		-		-		-	
1/3	660	3229	2639		2213		-		-		-		-		-		-		-		-	
			9.7	0.19	9.2	0.21	-		-		-		-		-		-		-		-	
	705	3449	2819		2426		1791		-		-		-		-		-		-		-	
			10.7	0.23	10.1	0.26	8.1	0.26	-		-		-		-		-		-		-	
1/2	725	3547	2899		2518		1971		-		-		-		-		-		-		-	
			11.1	0.25	10.6	0.28	8.6	0.29	-		-		-		-		-		-		-	
	745	3645	2979		2611		2111		-		-		-		-		-		-		-	
			11.6	0.27	11.1	0.30	9.2	0.32	-		-		-		-		-		-		-	
3/4	767	3752	3067		2712		2247		1770		-		-		-		-		-		-	
			12.0	0.30	11.5	0.33	9.8	0.34	8.6	0.33	-		-		-		-		-		-	
	800	3914	3199		2862		2434		2109		-		-		-		-		-		-	
			12.6	0.34	11.9	0.37	10.5	0.39	9.4	0.39	-		-		-		-		-		-	
1	830	4061	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	-		-		-		-		-	
	855	4183	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 1/2	881	4310	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	-		-		-		-		-	
	920	4501	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	-		-		-		-		-	
2	955	4672	3819		3536		3233		3044		2841		2011		-		-		-		-	
			16.3	0.57	15.5	0.61	14.4	0.64	13.7	0.65	13.0	0.66	11.1	0.61	-		-		-		-	
	985	4819	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	-		-		-		-	
2 1/2	1013	4956	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	-		-		-		-	
	1045	5112	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	-		-		-		-	
3	1070	5235	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	-		-		-	
	1098	5372	4391		4141		3896		3757		3603		3253		2662		-		-		-	
			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	-		-		-	
4	1140	5577	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	-		-	
	1180	5773	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	-	
5	1220	5969	4879		4652		4440		4321		4196		3913		3594		3397		3093		-	
			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	-	
	1261	6169	5043		4823		4617		4508		4387		4125		3827		3663		3453		2609	
			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
6	1295	6335	5179		4965		4764		4661		4544		4299		4012		3858		3687		3102	
			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
	1330	6507	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
7	1365	6678	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
	1389	6795	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 transmission 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

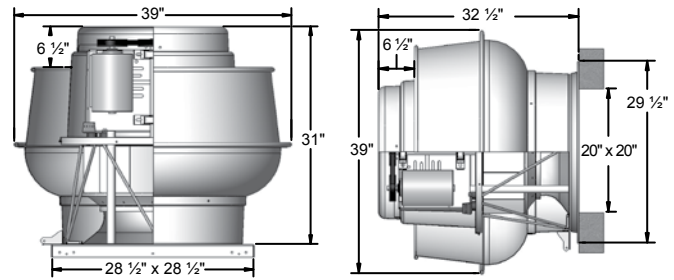
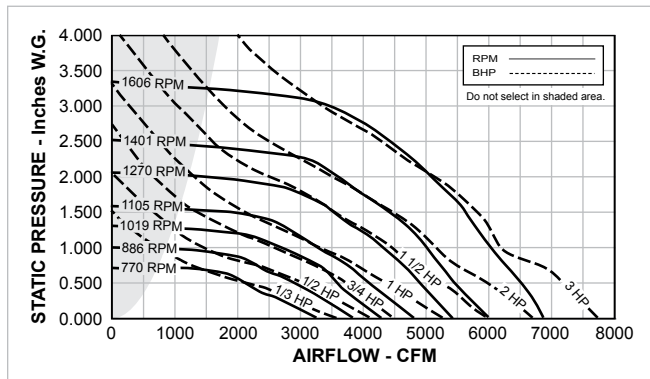
Galv. Steel Base = 14 Gage	Roof/Wall Opening = 20" SQ.	Peak BHP = (RPM/999) ³
Aluminum Base = 0.080	Damper Size = 19 3/4" SQ.	Max. RPM = 1430
Discharge Apron = 0.064	Max. Motor Frame Size = 145T	Est. Ship Weight = 145 lbs.*

* 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
1/4	400	2121	1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			4.7	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	556	2948	2758	-	2050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			8.9	0.15	7.9	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	600	3181	2976	-	2345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			10.0	0.18	9.0	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	643	3409	3189	-	2618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			11.1	0.23	10.3	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	665	3525	3299	-	2755	-	1885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			11.6	0.25	10.8	0.28	9.8	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	685	3631	3398	-	2873	-	2147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.0	0.27	11.2	0.31	10.4	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	700	3711	3472	-	2961	-	2279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.3	0.29	11.7	0.33	10.7	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	730	3870	3621	-	3136	-	2503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.2	0.33	12.6	0.37	11.7	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	760	4029	3770	-	3309	-	2716	-	2328	-	-	-	-	-	-	-	-	-	-	-	-	-
			14.2	0.37	13.7	0.42	12.8	0.44	12.3	0.44	-	-	-	-	-	-	-	-	-	-	-	-
	785	4162	3894	-	3452	-	2890	-	2569	-	-	-	-	-	-	-	-	-	-	-	-	-
			15.1	0.41	14.7	0.46	13.9	0.48	13.4	0.49	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	804	4262	3988	-	3559	-	3021	-	2710	-	-	-	-	-	-	-	-	-	-	-	-	-
			15.9	0.44	15.5	0.49	14.8	0.52	14.3	0.52	-	-	-	-	-	-	-	-	-	-	-	-
	840	4453	4167	-	3759	-	3261	-	2968	-	2640	-	-	-	-	-	-	-	-	-	-	-
			16.7	0.50	16.3	0.56	15.6	0.59	15.1	0.59	14.6	0.59	-	-	-	-	-	-	-	-	-	-
2	870	4612	4316	-	3922	-	3454	-	3179	-	2891	-	-	-	-	-	-	-	-	-	-	-
			17.2	0.56	16.8	0.61	16.1	0.65	15.6	0.66	15.1	0.66	-	-	-	-	-	-	-	-	-	-
	900	4771	4464	-	4084	-	3643	-	3385	-	3108	-	-	-	-	-	-	-	-	-	-	-
			17.6	0.62	17.3	0.68	16.6	0.71	16.2	0.72	15.7	0.73	-	-	-	-	-	-	-	-	-	-
2 1/2	924	4899	4584	-	4212	-	3794	-	3548	-	3279	-	-	-	-	-	-	-	-	-	-	-
			18.3	0.67	17.8	0.73	17.1	0.76	16.6	0.78	16.1	0.79	-	-	-	-	-	-	-	-	-	-
	950	5036	4712	-	4351	-	3952	-	3716	-	3461	-	2805	-	-	-	-	-	-	-	-	-
			19.2	0.73	18.7	0.79	18.0	0.83	17.4	0.84	16.9	0.86	15.7	0.84	-	-	-	-	-	-	-	-
3	975	5169	4837	-	4485	-	4100	-	3876	-	3634	-	3093	-	-	-	-	-	-	-	-	-
			20.0	0.79	19.6	0.85	18.9	0.89	18.3	0.91	17.8	0.92	16.7	0.93	-	-	-	-	-	-	-	-
	1002	5312	4970	-	4628	-	4258	-	4047	-	3818	-	3319	-	-	-	-	-	-	-	-	-
			21.0	0.85	20.0	0.92	19.9	0.96	19.4	0.98	18.9	1.00	17.7	1.01	-	-	-	-	-	-	-	-
3 1/2	1040	5513	5159	-	4829	-	4479	-	4285	-	4067	-	3595	-	-	-	-	-	-	-	-	-
			22.0	0.95	21.0	1.02	21.0	1.07	20.0	1.09	19.7	1.11	18.5	1.13	-	-	-	-	-	-	-	-
	1080	5726	5357	-	5039	-	4709	-	4525	-	4322	-	3878	-	3357	-	-	-	-	-	-	-
			22.0	1.07	22.0	1.14	21.0	1.20	21.0	1.21	20.0	1.23	19.3	1.26	18.3	1.26	-	-	-	-	-	-
4	1120	5938	5556	-	5249	-	4937	-	4759	-	4574	-	4156	-	3709	-	3364	-	-	-	-	-
			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	-	-	-	-
	1151	6102	5710	-	5411	-	5113	-	4940	-	4767	-	4368	-	3935	-	3696	-	-	-	-	-
			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	-	-	-	-
5	1190	6309	5903	-	5614	-	5327	-	5165	-	4997	-	4626	-	4213	-	4002	-	3752	-	-	-
			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	-	-
	1215	6441	6027	-	5744	-	5463	-	5308	-	5144	-	4786	-	4388	-	4183	-	3970	-	-	-
			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	-	-
6	1245	6600	6176	-	5899	-	5625	-	5479	-	5319	-	4977	-	4597	-	4397	-	4195	-	3541	-
			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
	1268	6722	6290	-	6019	-	5749	-	5610	-	5453	-	5123	-	4755	-	4558	-	4362	-	3850	-
			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 transmission 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.

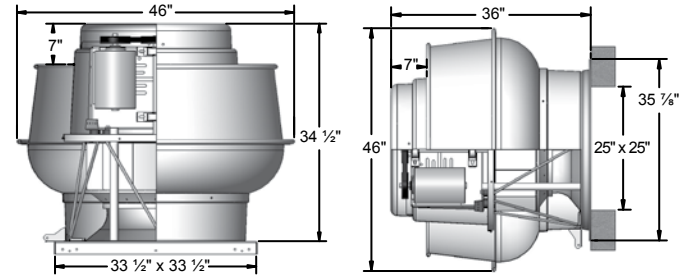
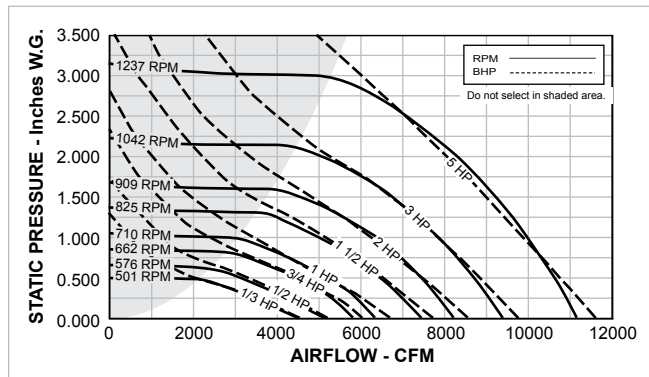
EVU18BH | BELT DRIVE



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
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	886	4697	3028	2436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			9.4	0.48	9.4	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	915	4851	3186	2628	1676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			10.1	0.53	9.9	0.57	10.0	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	970	5142	3475	3017	2435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			11.5	0.62	10.7	0.66	11.5	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1019	5402	3712	3342	2786	1779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			12.4	0.71	11.3	0.75	12.0	0.79	12.1	0.71	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	1065	5646	3932	3598	3093	2515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.0	0.81	11.9	0.85	12.4	0.89	13.3	0.88	-	-	-	-	-	-	-	-	-	-	-	-
	1080	5726	4003	3681	3200	2675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.2	0.84	12.2	0.88	12.5	0.93	13.6	0.93	-	-	-	-	-	-	-	-	-	-	-	-
2	1105	5858	4121	3818	3378	2884	1361	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.5	0.90	12.6	0.93	12.7	0.98	13.7	1.00	13.4	0.73	-	-	-	-	-	-	-	-	-	-
	1125	5964	4216	3926	3519	3019	2151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			13.9	0.94	12.9	0.98	12.8	1.03	13.9	1.06	14.1	0.98	-	-	-	-	-	-	-	-	-	-
2 1/2	1150	6097	4333	4061	3693	3186	2575	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			14.2	1.00	13.4	1.04	13.0	1.09	14.1	1.13	14.8	1.10	-	-	-	-	-	-	-	-	-	-
	1175	6229	4450	4193	3850	3352	2844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			14.7	1.07	14.0	1.11	13.3	1.15	14.3	1.20	15.5	1.19	-	-	-	-	-	-	-	-	-	-
3	1200	6362	4570	4315	3990	3525	3088	1920	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			15.3	1.13	14.5	1.17	13.6	1.22	14.6	1.28	15.7	1.29	15.5	1.11	-	-	-	-	-	-	-	-
	1225	6494	4697	4436	4129	3703	3258	2544	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			16.1	1.18	15.2	1.24	14.3	1.29	14.9	1.34	16.0	1.37	16.4	1.3	-	-	-	-	-	-	-	-
3 1/2	1270	6733	4925	4652	4376	4019	3559	3081	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			17.0	1.29	16.2	1.38	15.3	1.42	15.3	1.47	16.5	1.52	17.7	1.51	-	-	-	-	-	-	-	-
	1280	6786	4975	4700	4430	4089	3625	3188	1895	-	-	-	-	-	-	-	-	-	-	-	-	-
			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	-	-	-	-	-	-
4	1335	7077	5251	4961	4728	4424	4008	3599	3051	-	-	-	-	-	-	-	-	-	-	-	-	-
			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	-	-	-	-	-	-
	1375	7289	5449	5150	4931	4646	4290	3865	3478	2571	-	-	-	-	-	-	-	-	-	-	-	-
			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	-	-	-	-
4 1/2	1401	7427	5578	5272	5057	4789	4471	4036	3670	3073	-	-	-	-	-	-	-	-	-	-	-	-
			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	-	-	-	-
	1440	7634	5770	5454	5245	5002	4720	4315	3933	3494	2481	-	-	-	-	-	-	-	-	-	-	-
			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	-	-
5	1480	7846	5958	5650	5436	5218	4944	4598	4198	3852	3274	-	-	-	-	-	-	-	-	-	-	-
			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	-	-
	1520	8058	6139	5853	5627	5428	5165	4876	4474	4122	3705	-	-	-	-	-	-	-	-	-	-	-
			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	-	-
5 1/2	1560	8270	6321	6055	5816	5623	5385	5124	4759	4389	4060	1714	-	-	-	-	-	-	-	-	-	-
			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
	1585	8403	6434	6181	5934	5744	5520	5264	4935	4553	4230	2907	-	-	-	-	-	-	-	-	-	-
			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
6	1606	8514	6528	6286	6032	5845	5634	5381	5081	4700	4371	3378	-	-	-	-	-	-	-	-	-	-
			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 transmission 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.

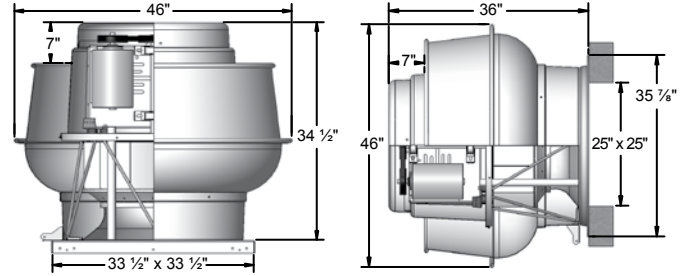
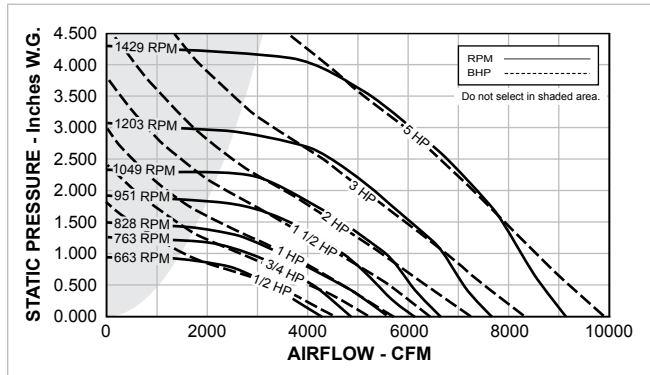
EVU24B | BELT DRIVE

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
1/4	375	2436	2263	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	420	2728	5.9 0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	461	2994	2741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/3	501	3254	7.3 0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	540	3507	3159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	576	3741	8.7 0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	610	3962	3349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	640	4157	9.5 0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	662	4300	3556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	690	4482	10.4 0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	718	4664	3935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	755	4904	11.9 0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	790	5131	4278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	825	5359	12.9 0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	850	5521	3599	2777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	880	5716	14.0 0.57	10.7 0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	909	5904	4878	3335	2946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	950	6170	14.0 0.65	11.7 0.48	12.8 0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	985	6398	5082	3777	3413	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1015	6593	15.5 0.72	12.9 0.58	13.6 0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1042	6768	5339	4133	3868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	1100	7145	5595	4390	4258	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1150	7470	16.9 0.90	14.7 0.75	15.1 0.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1200	7794	5931	4695	4720	3767	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	18.2 1.04	17.4 0.84	16.4 1.10	15.3 1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	6247	5747	5134	4371	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8679	8995	19.7 1.19	19.0 1.25	18.1 1.26	16.9 1.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	6561	6090	5533	4860	3769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	21.0 1.35	19.9 1.41	19.0 1.44	18.0 1.42	16.8 1.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8679	8995	6784	6332	5804	5189	4321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	7051	6621	6126	5548	4841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	22.0 1.63	21.0 1.69	20.0 1.74	19.3 1.74	18.3 1.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8679	8995	7309	6899	6433	5891	5248	4277	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	23.0 1.79	23.0 1.86	22.0 1.91	21.0 1.93	19.6 1.89	18.4 1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	7671	7288	6862	6360	5797	5078	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8679	8995	25.0 2.03	25.0 2.11	24.0 2.17	23.0 2.20	22.0 2.18	21.0 2.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	7980	7618	7210	6740	6217	5599	4708	-	-	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	28.0 2.26	27.0 2.34	26.0 2.41	25.0 2.45	24.0 2.44	23.0 2.41	22.0 2.32	-	-	-	-	-	-	-	-	-	-	-	-	-
	8679	8995	8244	7899	7503	7061	6571	6016	5282	3005	-	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	29.0 2.47	28.0 2.55	27.0 2.62	26.0 2.67	25.0 2.68	24.0 2.64	23.0 2.60	22.0 1.91	-	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	8480	8150	7765	7348	6886	6366	5738	4724	-	-	-	-	-	-	-	-	-	-	-	-
	8679	8995	29.0 2.67	29.0 2.75	28.0 2.83	27.0 2.88	26.0 2.91	25.0 2.87	24.0 2.84	23.0 2.69	-	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	8988	8679	8322	7955	7522	7059	6548	5918	4863	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	30.0 3.12	30.0 3.22	29.0 3.30	28.0 3.37	27.0 3.41	26.0 3.41	25.0 3.37	24.0 3.33	23.0 3.14	-	-	-	-	-	-	-	-	-	-	-
	8679	8995	9424	9128	8798	8449	8056	7642	7171	6641	5973	-	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	32.0 3.56	31.0 3.66	30.0 3.75	29.0 3.83	28.0 3.88	27.0 3.92	26.0 3.87	25.0 3.84	25.0 3.77	-	-	-	-	-	-	-	-	-	-	-
	8359	8679	9859	9576	9270	8935	8583	8186	7764	7313	6768	6072	-	-	-	-	-	-	-	-	-	-
	8679	8995	34.0 4.04	33.0 4.14	33.0 4.24	32.0 4.32	31.0 4.39	30.0 4.43	29.0 4.43	28.0 4.38	27.0 4.35	26.0 4.26	-	-	-	-	-	-	-	-	-	-
1237	8035	8359	10180	9905	9617	9292	8967	8583	8195	7757	7283	6739	-	-	-	-	-	-	-	-	-	-
	8359	8679	36.0 4.42	35.0 4.52	35.0 4.62	34.0 4.71	33.0 4.79	32.0 4.84	31.0 4.87	30.0 4.83	29.0 4.78	28.0 4.75	-	-	-	-	-	-	-	-	-	-
	8679	8995																				

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include transmission 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.

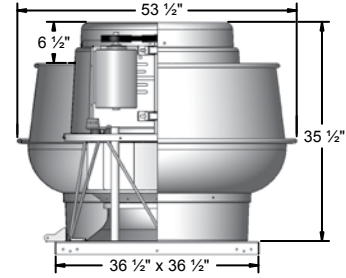
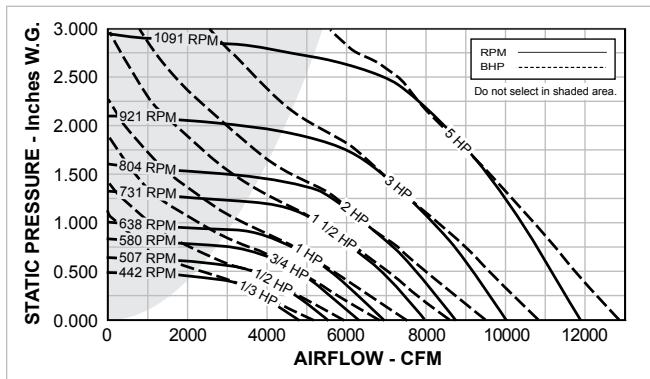
EVU24BH | BELT DRIVE



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	663	4306	8.9 0.38	3231	2472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	707	4592	10.0 0.51	3633	2971	10.3 0.51	1877	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	725	4709	10.8 0.61	3774	3142	11.0 0.63	2264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	763	4956	11.1 0.65	4069	3497	11.3 0.67	2824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	828	5378	11.9 0.75	4351	3844	12.0 0.78	3259	2352	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	880	5553	12.4 0.86	4549	4107	12.5 0.89	3542	2822	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	915	5943	12.7 0.94	4736	4357	12.8 0.98	3796	3180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	925	6008	13.1 1.03	4950	4607	13.1 1.07	4083	3546	13.3 1.10	13.6 1.09	13.3 0.93	-	-	-	-	-	-	-	-	-	-	-
	951	6177	13.7 1.13	5148	4833	13.7 1.19	4355	3857	14.0 1.23	14.3 1.17	-	-	-	-	-	-	-	-	-	-	-	-
	990	6430	14.7 1.23	5393	5110	14.6 1.30	4695	4198	14.9 1.35	15.0 1.38	14.8 1.20	-	-	-	-	-	-	-	-	-	-	-
	1019	6619	15.2 1.27	5567	5403	15.0 1.34	5056	4560	15.7 1.45	15.5 1.51	-	-	-	-	-	-	-	-	-	-	-	-
2	1049	6814	16.0 1.37	5856	5605	15.7 1.45	5288	4831	16.5 1.62	16.5 1.70	16.7 1.69	16.5 1.48	-	-	-	-	-	-	-	-	-	-
	1080	7015	16.9 1.53	6063	5813	16.5 1.62	5522	5115	16.9 1.81	16.9 1.85	17.0 1.87	17.2 1.85	17.5 1.76	-	-	-	-	-	-	-	-	-
	1105	7177	17.4 1.66	6276	6027	16.9 1.75	5761	5405	17.4 1.96	17.4 2.00	17.8 2.04	18.3 1.99	17.9 1.75	-	-	-	-	-	-	-	-	-
	1125	7307	18.0 1.80	6447	6198	17.4 1.89	5953	5635	17.4 2.00	18.6 2.32	18.9 2.38	19.3 2.73	19.9 2.31	19.4 2.03	-	-	-	-	-	-	-	-
3	1175	7632	18.8 1.95	6583	6335	18.0 2.05	6105	5801	18.0 2.13	18.6 2.32	18.9 2.38	19.3 2.73	19.9 2.31	19.4 2.03	-	-	-	-	-	-	-	-
	1203	7814	19.5 2.08	6923	6675	18.6 2.18	6461	6191	18.6 2.32	19.1 2.44	19.3 2.51	19.7 2.51	20.0 2.48	20.0 2.32	-	-	-	-	-	-	-	-
	1210	7859	20.0 2.19	7122	6864	19.3 2.29	6655	6407	19.1 2.44	19.1 2.48	19.3 2.51	19.7 2.51	20.0 2.48	20.0 2.32	-	-	-	-	-	-	-	-
	1245	8087	22.0 2.48	7160	6911	21.0 2.58	6704	6461	21.0 2.69	21.0 2.75	21.0 2.80	21.0 2.84	21.0 2.86	22.0 2.80	-	-	-	-	-	-	-	-
5	1275	8281	23.0 2.65	7395	7152	22.0 2.76	6945	6728	21.0 2.86	21.0 2.94	21.0 3.00	21.0 3.04	21.0 3.07	22.0 3.04	-	-	-	-	-	-	-	-
	1325	8606	23.0 2.69	7597	7359	22.0 2.80	7151	6954	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 3.10	22.0 3.10	22.0 3.10	22.0 3.10	22.0 3.10	22.0 3.10	22.0 3.10
	1380	8963	24.0 2.92	7931	7702	23.0 3.03	7492	7302	22.0 3.14	22.0 3.24	22.0 3.30	22.0 3.35	22.0 3.39	23.0 3.41	23.0 3.40	23.0 3.40	23.0 3.40	23.0 3.40	23.0 3.40	23.0 3.40	23.0 3.40	23.0 3.40
	1429	9282	25.0 3.49	8298	8078	24.0 3.61	7865	7683	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	24.0 4.10	24.0 4.10	24.0 4.10	24.0 4.10	24.0 4.10	24.0 4.10	24.0 4.10
			27.0 3.92	8623	8411	26.0 4.04	8198	8019	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	25.0 4.62	25.0 4.62	25.0 4.62	25.0 4.62	25.0 4.62	25.0 4.62	25.0 4.62
			29.0 4.33	8823	8611	28.0 4.46	8411	8231	27.0 4.59	26.0 4.72	26.0 4.84	26.0 4.93	26.0 4.99	26.0 5.05	26.0 5.05	26.0 5.05	26.0 5.05	26.0 5.05	26.0 5.05	26.0 5.05	26.0 5.05	26.0 5.05

Performance shown is for installation type A: Free Inlet, Free Outlet. Power rating (BHP) does not include transmission 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

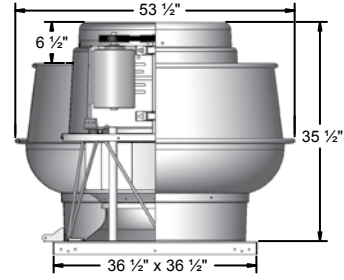
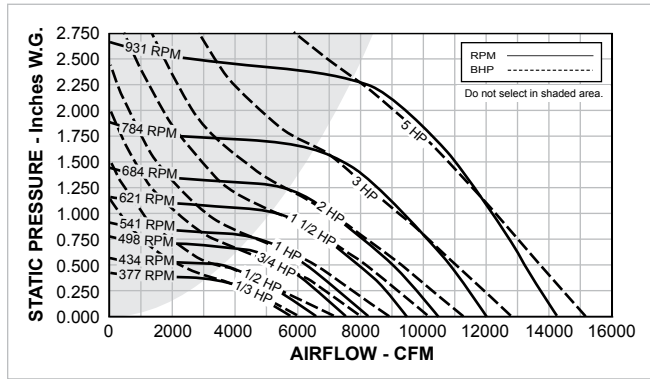
Galv. Steel Base = 14 Gage	Roof Opening = 28" SQ.	Peak BHP = (RPM/539) ³
Aluminum Base = 0.080	Damper Size = 27 3/4" SQ.	Max. RPM = 1188
Discharge Apron = 0.080	Max. Motor Frame Size = 184T	Est. Ship Weight = 219 lbs.*

* 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	-		-		-		-		-	
	507	3683	5120		4710		4213		3530		-		-		-		-		-	
			10.7	0.44	10.1	0.48	9.8	0.50	9.2	0.49	-		-		-		-		-	
	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	-		-		-		-		-	
	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	-		-		-		-	
	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	-		-		-		-	
	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	-		-		-		-	
	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	-		-		-	
	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	-		-		-	
	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	-		-		-	
	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	-		-	
	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	-		-	
	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	-		-	
	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	-	
	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
	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
	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
	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
	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 transmission 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

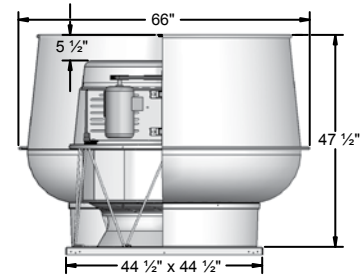
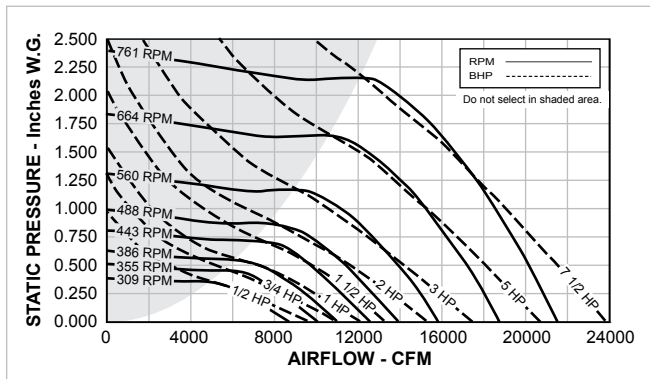


Galv. Steel Base = 14 Gage	Roof Opening = 28" SQ.	Peak BHP = (RPM/539) ³
Aluminum Base = 0.080	Damper Size = 27 3/4" SQ.	Max. RPM = 1188
Discharge Apron = 0.080	Max. Motor Frame Size = 184T	Est. Ship Weight = 219 lbs.*

* 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	5773	4431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	400	3207	6125	4899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2	420	3367	6431	5283	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	434	3480	6646	5548	3742	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	455	3648	6968	5937	4445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	480	3848	7350	6377	5078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	498	3993	7626	6690	5505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	520	4169	7963	7069	5984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	541	4338	8285	7428	6433	4939	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	560	4490	8576	7748	6818	5514	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	595	4770	9112	8333	7491	6397	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	621	4979	9510	8764	7983	6985	5581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	640	5131	9801	9077	8335	7397	6193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	665	5332	10184	9488	8776	7930	6835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	684	5484	10474	9798	9109	8314	7311	5817	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	710	5693	10873	10221	9560	8817	7911	6748	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	730	5853	11179	10545	9905	9199	8347	7299	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	750	6013	11485	10869	10248	9578	8777	7806	6405	-	-	-	-	-	-	-	-	-	-	-	-	-
	770	6174	11792	11191	10588	9953	9202	8305	7144	-	-	-	-	-	-	-	-	-	-	-	-	-
	784	6286	12006	11416	10824	10211	9487	8630	7591	-	-	-	-	-	-	-	-	-	-	-	-	-
5	805	6454	12328	11753	11177	10582	9895	9090	8132	-	-	-	-	-	-	-	-	-	-	-	-	-
	840	6735	12863	12313	11761	11196	10566	9844	9011	7982	-	-	-	-	-	-	-	-	-	-	-	-
	880	7055	13476	12951	12424	11889	11322	10674	9918	9049	7955	-	-	-	-	-	-	-	-	-	-	-
9	915	7336	14012	13507	13000	12491	11963	11351	10673	9923	9018	7663	-	-	-	-	-	-	-	-	-	-
	931	7464	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 transmission 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.

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
1/2	269	2619	7603	4897	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	309	3008	8734	6761	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	335	3261	9469	7715	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	355	3456	10034	8409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	370	3602	10458	8912	6306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	386	3758	10911	9441	7253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2	405	3943	11448	10054	8198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	420	4089	11872	10531	8875	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	443	4313	12522	11255	9785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	465	4527	13144	11941	10593	8429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	488	4751	13794	12653	11417	9673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	500	4868	14133	13022	11823	10221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	515	5014	14557	13483	12327	10896	8139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	530	5160	14981	13942	12827	11516	9322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 1/2	550	5355	15547	14552	13488	12259	10497	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	560	5452	15829	14855	13810	12627	11008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	580	5647	16395	15460	14449	13354	11922	9624	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	600	5841	16960	16063	15084	14062	12820	10863	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	620	6036	17525	16663	15713	14738	13596	12025	10842	-	-	-	-	-	-	-	-	-	-	-	-	-
	640	6231	18091	17262	16339	15407	14337	12945	12022	10872	-	-	-	-	-	-	-	-	-	-	-	-
7	664	6464	18769	17978	17086	16203	15213	14029	13246	12296	-	-	-	-	-	-	-	-	-	-	-	-
	680	6620	19221	18453	17581	16726	15791	14708	13975	13211	-	-	-	-	-	-	-	-	-	-	-	-
7	700	6815	19787	19047	18197	17367	16481	15455	14874	14131	12265	-	-	-	-	-	-	-	-	-	-	-
	720	7010	20352	19639	18813	18003	17155	16193	15681	15037	13445	-	-	-	-	-	-	-	-	-	-	-
7	745	7253	21059	20372	19579	18794	17990	17104	16610	16116	14756	12913	-	-	-	-	-	-	-	-	-	-
	761	7409	21511	20839	20067	19297	18520	17681	17198	16714	15488	13862	-	-	-	-	-	-	-	-	-	-
7			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 transmission 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

Unit Size

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

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) 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), and shall be UL (UL705, UL762 optional) 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. 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.



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