

Propeller Upblast Roof Fans Models RBU, RBUMO and RDU

Direct Drive and Belt Drive



BUILDING VALUE IN AIR.



November
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Greenheck Fan Corporation certifies that the RBU, RBUMO and RDU models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



RDU, RBU, RBUMO models are Listed for electrical (UL/cUL 705) File No. E40001

RBUMO model is Listed for Emergency Smoke Control Systems File No. MH17511



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| Model Comparison | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|----------|--------|-----------|------------|---------|------|-----------------|---------|--------|------------|-------------|-------------------|------------------|-----------------|-----------------|--------------------|---------------------|-------------------------|---------------|--------|-------------|-----------------|------------|---------------|----------------------|----------------------------------|------|
| Model | Location | | Mounting | | | | Airflow | | | | Application | | | | | | Drive Type | | Impeller Type | | | Performance | | Relative Cost | | | |
| | Outdoor | Indoor | Roof Curb | Base/Floor | Hanging | Wall | Ceiling Mounted | Exhaust | Supply | Reversible | Recirculate | General/Clean Air | Contaminated Air | Spark Resistant | Grease (UL 762) | Smoke Control (UL) | High Wind (150 mph) | High Temp (above 200°F) | Belt | Direct | Centrifugal | Propeller/Axial | Mixed Flow | | Maximum Volume (cfm) | Maximum Static Pressure (in. wg) | |
| RDU | ✓ | | ✓ | | | | | ✓ | | | | ✓ | ✓ | ✓ | | | | | | ✓ | | | ✓ | | 43,400 | 1 | \$ |
| RBU | ✓ | | ✓ | | | | | ✓ | | | | ✓ | ✓ | | | | | | ✓ | | | ✓ | | | 64,300 | 1 | \$ |
| RBUMO | ✓ | | ✓ | | | | | ✓ | | | | ✓ | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ | | | 61,800 | 1 | \$\$ |

Greenheck upblast propeller fans are designed to discharge contaminants up and away from the building for most commercial jobs and many industrial applications. These roof exhaust fans are available in both belt and direct drives and with steel or aluminum blades. Drive frames and panels are constructed to match the level of duty and motor size.

- Wide range of construction and performance capabilities provide for the most complete upblast propeller fan line available.
- Regardless of fan size, performance or duty level, all upblast propeller roof fans are built to perform with the same high standards of reliability and durability.
- Greenheck subjects these products to extensive life testing, assuring you that the fans will provide years of reliable performance.
- Performance as cataloged is assured. All RBU, RBUMO and RDU models are tested in our AMCA accredited laboratory, and all are licensed to bear the AMCA Sound and Air Performance seal.

Direct Drive RDU

- Preferred for jobs where maintenance access is difficult.
- Maintenance costs are generally lower; no belts or bearings to replace, no pulleys to adjust.

Belt Drive RBU and RBUMO

- RBU has the motor in the airstream.
- RBUMO has the motor out of the airstream, allowing for high temperature air to be exhausted.
- Fan speed can be adjusted for system balancing.
- Models offer flexibility in speeds and motor selections.



RDU




RBU



RBUMO




Direct Drive Fan Selection

These models are designed and constructed for applications with static pressure ranges up to 1 inch wg. Propellers are of cast aluminum. For low sound applications, it is best to select the largest fan with the lowest RPM to meet the performance requirements. This ensures the tip speeds will be as low as possible.

| Construction Levels | Model Performance Pages | Size Range Diameter | Performance | Propeller |
|---------------------|---|-----------------------------------|---|---|
| Level 3 | Cast aluminum airfoil blades RDU pages 16-17 | 18 to 48 inch (508 to 1372 mm) | Up to 43,500 cfm (78,155 m ³ /hr) and up to 0.75 inch wg (249 Pa) |  |

Belt Drive Fan Selection Propeller Types

Application requirements for sound and static pressure determine propeller type. Propellers are available in fabricated steel, fabricated aluminum or cast aluminum.

| Construction Levels | Model Performance Pages | Size Range Diameter | Performance | Propellers |
|---------------------|---|-----------------------------------|--|---|
| Level 1 | Galvanized steel blades riveted to the hub pages 18-20 and 23-25 | 20 to 36 inch (508 to 1372 mm) | Up to 16,500 cfm (50,970 m ³ /hr) and up to 5/8 inch wg (156 Pa) |  |
| Level 2 | Gusseted galvanized steel blades riveted to the hub pages 18-27 | 30 to 54 inch (508 to 1524 mm) | Up to 46,000 cfm (90,048 m ³ /hr) and up to 3/4 inch wg (190 Pa) |  |
| Level 3 | Fully welded and gusseted steel blades pages 18-27 | 24 to 60 inch (610 to 1829 mm) | Up to 64,000 cfm (149,513 m ³ /hr) and up to 1 inch wg (249 Pa) |  |

Belt Drive Blade Designs



H Type Propeller:

Straight, moderately pitched blade. It is designed for applications where static pressures are above 0.5 inch wg (125 Pa). These propellers typically run at higher RPMs and generate slightly higher sound levels than the "L" propellers.



L Type Propeller:

Swept, steeply pitched blade design. These propellers typically run at lower RPMs and generate low sound levels making them the best selection for sound critical applications or applications requiring the best combination of both air and sound performance. Typically used when the static pressure is 0.5 inch wg (125 Pa) or less.

The first consideration in any fan selection is the amount of air to be moved and the resistance to this air movement. With specific performance and application criteria in mind, propeller fan selections typically require decisions based on the following criteria.

Belt Drive vs. Direct Drive

Belt drive fans offer the ability to adjust fan speed for system balancing if necessary. They also offer more flexibility in speeds and motor selections. In a cost comparison, belt drive fans are typically less costly than comparable size direct drive fans with low speed motors.

Direct drive fans are often preferred for jobs where maintenance access is difficult. Maintenance costs are generally lower with direct drive fans since there are no belts or bearings to replace and no pulleys to adjust.

Larger Fans vs. Smaller Fans

In most applications, several fans may meet the specified airflow and pressure requirements. Just as larger fans tend to turn slower and generate less sound, they also tend to have higher initial costs but lower operating costs. Smaller fans have more stable performance curves, lower initial costs, higher sound levels and higher operating costs because of their higher speeds.

Low Sound vs. High Static Pressure

Fans selected for high static pressures run at higher speeds and produce higher tip speeds resulting in higher sound levels. Conversely, in low pressure applications fans generally run at lower speeds, produce lower sound levels and are recommended for sound sensitive applications.

How Accessories Affect Static Pressure

All accessory losses must be accounted for when calculating the static pressure load for a fan. This means upblast propeller roof fans can be specified with low pressure capabilities, below 3/8 inch wg (93 Pa), when used in conjunction with properly applied accessories (as within our installation recommendations).

When fans are over-specified to compensate for losses that do not actually exist, both cost and sound levels can be higher than necessary. This most commonly results from larger motors and higher tip speeds.

Motor Service Factor

Upblast roof fan motors (except for the model RBUMO) are cooled by the airstream. With an uninterrupted flow of cooling air, motors may be operated in their service factor range (up to 20% above the motor nameplate horsepower) without damage due to overheating. Lesser overloads are recommended for applications using totally enclosed or explosion resistant motors.

Belt drive performance tables in this catalog show RPM selections for each propeller type (L or H) at a given motor horsepower. The first selection is a 1.0 motor service factor. The second speed selection is at 1.2 motor service factor. Direct drive performance tables show Bhp levels with motor service factors ranging up to 1.2. When a selection using the motor service factor is not desirable for the application, specify the next higher motor horsepower.

Propeller Fan Rotation Guide

The propeller blade should cup and throw the air when rotating in the correct rotation as shown below.



Construction Features

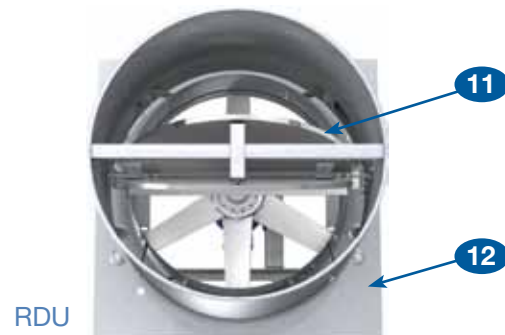
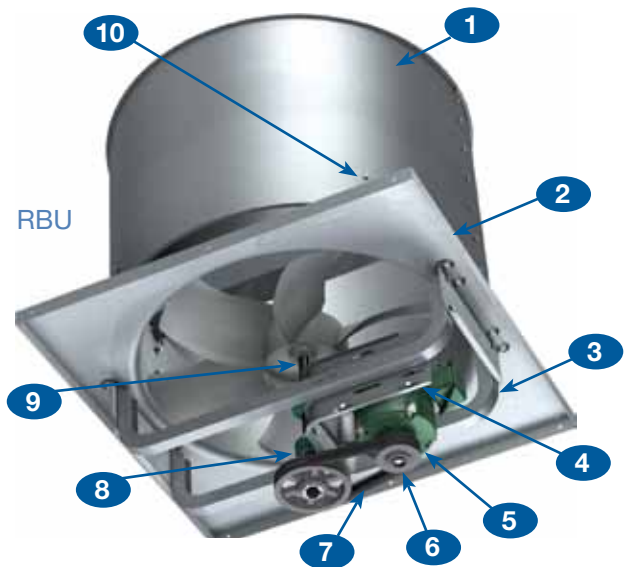
Models RBU, RBUMO & RDU

- 1 **Windband** is heavy-gauge galvanized (or painted) steel construction with bolted seams. Edges are reinforced for added strength and have built-in damper stops.
- 2 **Curb Caps** are constructed of galvanized steel in sizes 18-48. Sizes 54 and 60 are constructed of painted steel. Curb caps include an integral venturi inlet and prepunched mounting holes.
- 3 **Drive Frames** are die formed, galvanized structural steel to provide a rigid platform for motors, shafts, bearings and drives.
- 4 **Adjustable Motor Plate** for belt tensioning.
- 5 **Drive Assembly** belts, pulleys and keys are sized for 150% of driven horsepower.
- 6 **Variable Pitch Motor Pulley** allows for fan speed adjustments of 10-15%. Size 42 and larger have fixed pulleys.
- 7 **Belts** are static-resistant and oil free
- 8 **Bearings** are 100% factory tested and designed specifically for air handling applications with a minimum L₁₀ life in excess of 100,000 hours (L₅₀ life of 500,000 hours).
Level 1: Stamped steel pillow block bearings.
Level 2 & 3: Cast iron pillow block bearings with grease fittings (on RBU and RBUMO).
- 9 **Fan Shaft** is precisely sized, ground and polished so the first critical speed is at least 25% over the maximum operating speed. Where the shaft makes contact with bearings, close tolerances result in longer bearing life.
- 10 **Fasteners** are corrosion-resistant.
- 11 **Aluminum Butterfly Dampers** provide weather protection and prevent backdrafts when the fan is not in operation. Standard damper blade construction is aluminum with galvanized steel construction optional.
- 12 **Fan Base** and motor cover is constructed of galvanized steel.
- 13 **Windband Mounting Brackets** are designed to also be used as **Lifting Lugs** for ease when lifting unit to the roof deck.

Propellers

- Level 1: Galvanized steel, riveted blades.
- Level 2: Reinforced galvanized steel, riveted blades.
- Level 3: RBU & RBUMO - Heavy-duty, welded reinforced, steel blades. RDU - Heavy-duty, cast aluminum blades, All with keyed hubs.

Note: Construction features are standard on all models in this catalog. Various Models are shown on this page.



Motors

Motors are heavy-duty ball bearing type.

Motor Sheaves

Adjustable for system balancing (sizes 42 and larger are fixed pitch).

Construction Details

Models RBU, RBUMO & RDU

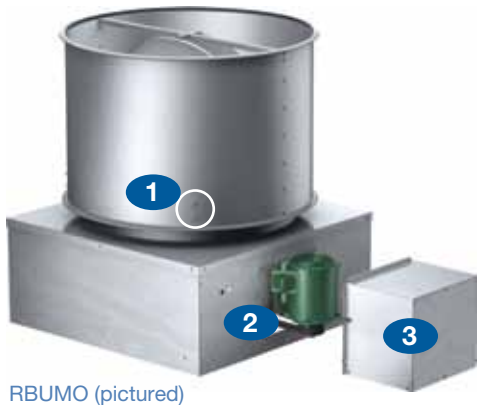


| LEVEL 1 | Material Gauges | | | | | | | Belt Drive Shaft Size* | Max Motor Frame Size | | | | | |
|---------|-----------------|-----------------|-----------------|------------------|-------|----------------------|---------------------|------------------------|----------------------|-------|----|----|--------|----|
| | Fan Size | Windband (galv) | Curb Cap (galv) | Butterfly Damper | | RBUMO Housing (galv) | Drive Frame Channel | | | | | | | |
| | | | | Galv. | Alum. | | | | | | | | | |
| | | | | 20 | 20 | | | 16 | 24 | 0.040 | 18 | 14 | ¾ (19) | 56 |
| | | | | 24 | 20 | | | 16 | 24 | 0.040 | 18 | 14 | ¾ (19) | 56 |
| 30 | 20 | 16 | 24 | 0.040 | 18 | 11 | ¾ (19) | 56 | | | | | | |
| 36 | 20 | 16 | 20 | 0.051 | 18 | 11 | ¾ (19) | 145T | | | | | | |
| LEVEL 2 | 20 | 20 | 16 | 24 | 0.040 | 18 | 14 | ¾ (19) | 145T | | | | | |
| | 24 | 20 | 16 | 24 | 0.040 | 18 | 14 | ¾ (19) | 145T | | | | | |
| | 30 | 20 | 16 | 24 | 0.040 | 18 | 11 | 1 (25) | 184T | | | | | |
| | 36 | 20 | 16 | 20 | 0.051 | 18 | 11 | 1 (25) | 184T | | | | | |
| | 42 | 20 | 14 | 20 | 0.064 | 18 | 11 | 1¼ (32) | 184T | | | | | |
| | 48 | 20 | 14 | 20 | 0.064 | 18 | 11 | 1¼ (32) | 184T | | | | | |
| | 54 | 18 | 14 | 18 | 0.080 | 16 | 11 | 1¼ (32) | 184T | | | | | |

*Approximate weight does not include accessories. *Dimensions in inches (millimeters) and weight. lbs (kg).

| LEVEL 3 | Material Gauges | | | | | | | | Belt Drive Shaft Size* | Max Motor Frame Size | |
|---------|-----------------|-----------------|-----------------|------------------|-------|----------------------|---------------------|---------|------------------------|----------------------|--------------|
| | Fan Size | Windband (galv) | Curb Cap (galv) | Butterfly Damper | | RBUMO Housing (galv) | Drive Frame Channel | | | Belt Drive | Direct Drive |
| | | | | Galv. | Alum. | | Belt | Direct | | | |
| | 18 | 20 | 18 | 24 | 0.040 | – | – | 12 | – | – | 56 |
| | 20 | 20 | 18 | 24 | 0.040 | – | – | 12 | – | – | 143T |
| | 24 | 20 | 16 | 24 | 0.040 | 18 | 14 | 11 | ¾ (19) | 145T | 182T |
| | 30 | 20 | 16 | 24 | 0.040 | 18 | 11 | 11 | 1 (25) | 184T | 184T |
| | 36 | 20 | 16 | 20 | 0.051 | 18 | 11 | 8 | 1¼ (32) | 184T | 215T |
| | 42 | 20 | 14 | 20 | 0.064 | 18 | 11 | 8 | 1½ (38) | 215T | 254T |
| | 48 | 20 | 14 | 20 | 0.064 | 18 | 11 | 8 | 1½ (38) | 215T | 256T |
| 54 | 18 | 14 | 18 | 0.080 | 16 | 11 | – | 1½ (38) | 254T | – | |
| 60 | 18 | 14 | 18 | 0.080 | 16 | 11 | – | 1¾ (44) | 256T | – | |

*Approximate weight does not include accessories. *Dimensions in inches (millimeters) and weight. lbs (kg).



RBUMO (pictured)

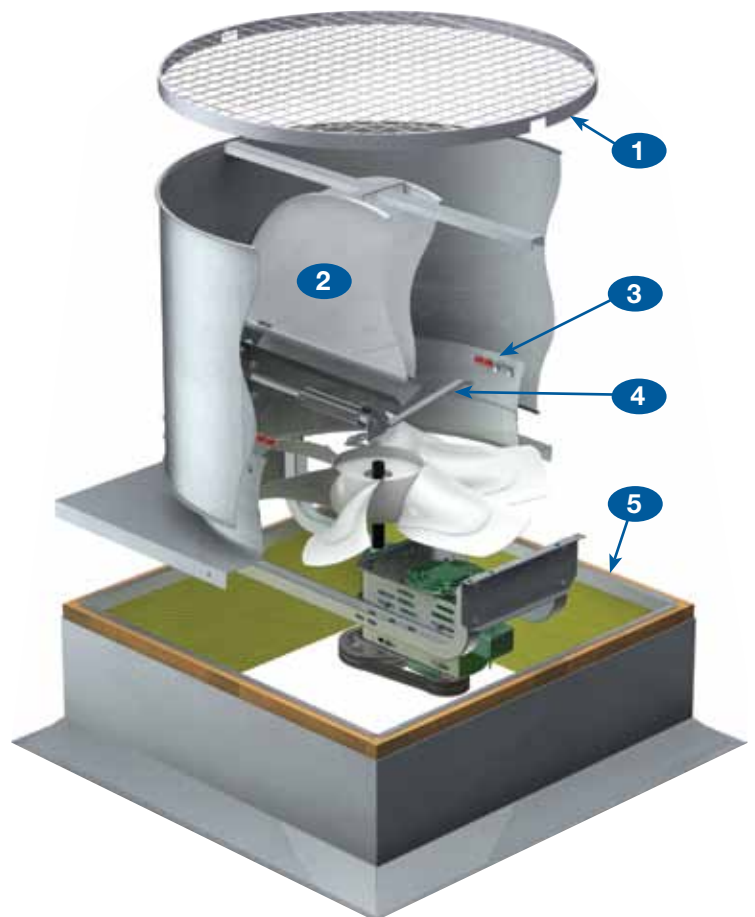
Service Features

NOTE: To service RBU and RDU fans, it is recommended the fan be accessed from below (looking up). If this is not possible, the fan may be serviced by taking off the removable windband.

- 1 Removable Windband**
The windband can be lifted off by removing the bolts from the four windband mounting brackets. When the windband is removed, access to the fan can be made through the butterfly dampers. For specific details on this procedure, please refer to the Information and Operation Manual for this model found on greenheck.com
- 2 Motor out of Airstream**
Model RBUMO, simplifies inspection and servicing with the “motor out of the airstream” design.
- 3 Removable Motor Cover** enables quick and easy access to the motor, belt and drives from the roof deck.

Accessories

- 1 Outlet Screen**
Screen is constructed of heavy-gauge steel mesh and is available to shield the fan discharge and dampers from debris. Outlet screens cannot be used in conjunction with motorized butterfly dampers.
- 2 Steel Butterfly Dampers**
For installations where standard aluminum construction is not desired. Refer to notes on performance pages for the minimum airflow volumes to open dampers.
- 3 Magnetic Damper Latches**
Available to minimize damper flutter when the fan is not in operation.
- 4 Fusible Link Damper Lifters**
Available to automatically open the butterfly dampers when the air temperature below the damper blades exceeds 165°F (74°C). Fusible links for higher temperatures are also available. The damper blades are held open to provide smoke and heat relief with no electrical power required.
- 5 Roof Curbs**
Roof curbs reduce installation time and costs by ensuring compatibility between the fan, the curb and the roof opening. All curbs are lined with fiberglass insulation to prevent condensation and reduce sound levels. See Greenheck’s roof curb catalog for complete details.



Aluminum Propellers

Available for spark resistance.

Extended Lube Lines

For belt driven fans—lubrication lines with grease fittings that extend from the shaft bearings to the exterior of the fan base. Extended lube lines allow for bearing lubrication from the rooftop without disassembling the fan.

Inlet Guards

Model RBUMO fans are available with protective guards for mounting to the fan inlet. For models RBU and RDU, protective guards are available when mounted within a base extension.

NOTE: When an inlet guard is not ordered with the fan, it should be provided by the installer.

Motorized Butterfly Dampers

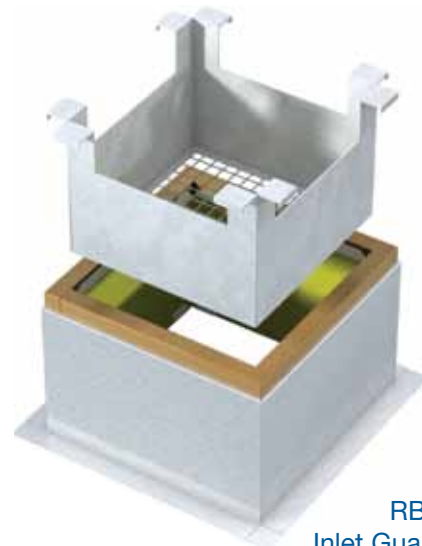
Available for low CFM applications that insufficiently open the butterfly dampers and for use with 2-speed motors at low speed.

Coatings

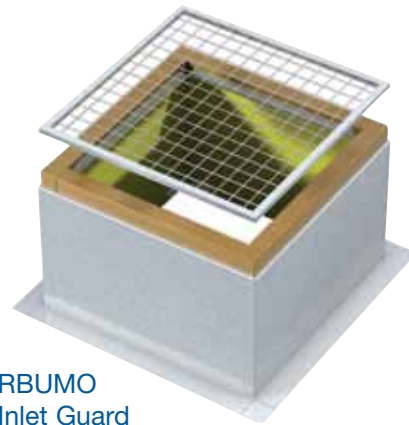
Decorative and protective coatings are offered to protect the fan from harsh atmospheres where galvanized steel is not sufficient. Decorative coatings are available in a variety of colors to match existing building fixtures.

Belt Tube

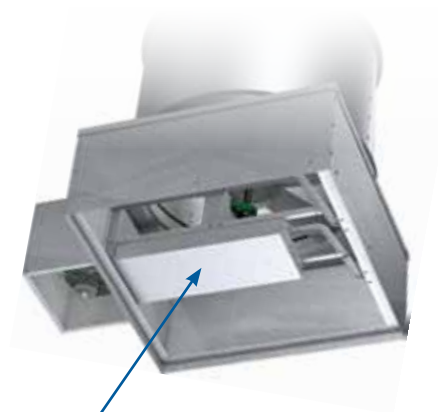
Available on model RBUMO to isolate the drive components from airstream contaminants.



RBU
Inlet Guard



RBUMO
Inlet Guard



Belt Tube

High Temperature Option

500°F (260°C) for a minimum of 4 hours

1000°F (538°C) for a minimum of 15 minutes

This construction meets specifications for IRI requirements of 500°F (260°C) air for a minimum of 4 hours and the SBCCI “Standard Fire Prevention Code” requirements of 1000°F (538°C) for a minimum of 15 minutes in emergency smoke removal applications. In addition, this construction exceeds British Standards 7346 Class B (250°C for 2 hours), Class C (300°C for 30 minutes) and Class D (300°C for 1 hour) temperature requirements. Temperature ratings are tested in accordance to UL smoke control systems.

High Temperature Option - UL Listed

(Construction Levels 2 and 3 only)

500°F (260°C) for a minimum of 4 hours

1000°F (538°C) for a minimum of 15 minutes

Snow Load Test for butterfly dampers in UL 793

This construction meets specifications for UL Listed “Power Ventilators for Smoke Control Systems”. This includes the IRI requirements of 500°F for a minimum of 4 hours, the SBCCI “Standard Fire Prevention Code” requirements of 1000°F for a minimum of 15 minutes and the Snow Load Test for butterfly dampers (10 pounds of lifting per square foot) in UL 793. In addition, this construction exceeds British Standards 7346 Class B (250°C for 2 hours), Class C (300°C for 30 minutes) and Class D (300°C for 1 hour) temperature requirements.

NOTE: Model RBUMO accommodates airstream temperatures up to 180°F (82°C) without high temperature features. For continuous high temperature operation from 180°F (82°C) to 500°F (260°C), use Greenheck model TAUB with its corresponding high temperature option.



Emergency Smoke Removal

Greenheck model RBUMO can be equipped for emergency smoke removal applications by specifying a high temperature option. The table shows the construction features included with high temperature options that enable the exhaust of heat and smoke at 500°F (260°C) for a minimum of 4 hours or 1000°F (538°C) for a minimum of 15 minutes.

High temperature testing was conducted at Greenheck’s research and design facility with airstream temperatures in excess of 1000°F (538°C). Temperatures were monitored at the following critical locations throughout the tests: bearings, bearing compartment, belt tube, motor, motor compartment, airstream and fan housing.

| Features | High Temperature Option | High Temperature Option with UL/cUL 793* |
|---|-------------------------|--|
| 165°F (74°C) Fusible link damper lifters | ✓ | |
| 165°F (74°C) Fusible link damper lifters that will lift 10 pounds per square foot | | ✓ |
| Belt tube with heat shield | ✓ | ✓ |
| Dual drives | ✓ | ✓ |
| High temperature bearings | ✓ | ✓ |
| UL label (Power ventilators for smoke control systems) | | ✓ |
| * Construction Level 2 and Level 3 only | | |

Wiring

Wiring from the motor to the disconnect box is provided when a fan is ordered with a mounted disconnect.

UL/cUL 705

All model RBU and selected model RDU fans with totally enclosed motors are available with the UL/cUL 705 listing for electrical. The UL/cUL 705 listing is available on Model RBUMO fans with open and totally enclosed motors.





RDU, RBU, RBUMO models are Listed for electrical (UL/cUL 705)
File No. E40001

Motor Selection

Motor frame size, enclosure type and fan size limit the available standard motor selections. Consult your local Greenheck representative or the factory for motor availability.

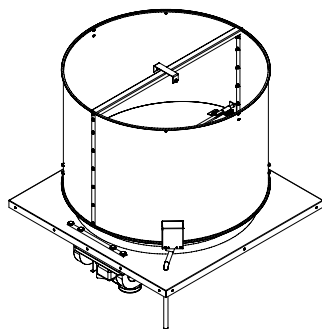
Disconnect Switches

Toggle type and heavy-duty disconnect switches are available for positive electrical shut-off and safety when servicing fans. The following switches are available to meet individual electrical requirements and can be factory mounted or shipped loose for field mounting.

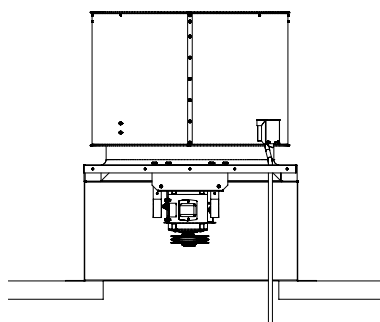
| Heavy Duty | Toggle | |
|--|---|---|
|  |  | <ul style="list-style-type: none"> • NEMA-3R Rain-Resistant • NEMA-4 Watertight • NEMA-3R & NEMA-4 Heavy-Duty • NEMA-7 & 9 for Class 1 and Class 2 hazardous locations. |
| NEMA-3R & 4 | NEMA-7 & 9 NEMA-3R | |

Disconnect Wiring Options **Note:** Conduit and wiring by others

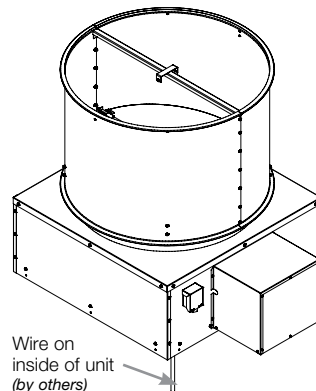
Typical Installation



Disconnect Installation
RBU with NEMA-3R



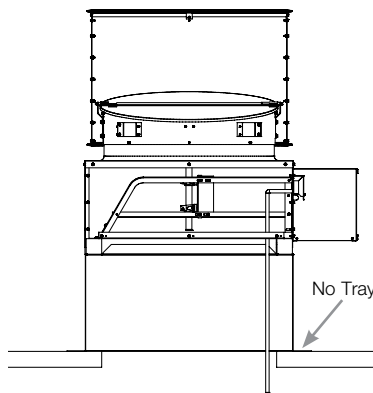
RBU on a GPI Curb with NEMA-3R



Wire on
inside of unit
(by others)

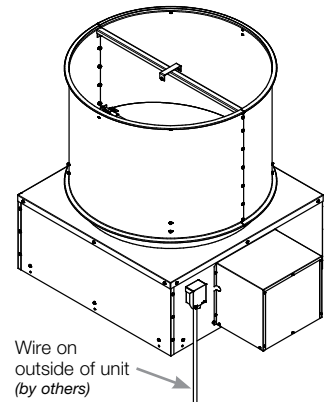
Disconnect Installation
RBUMO with NEMA-3R

Not recommended for high temperature exhaust



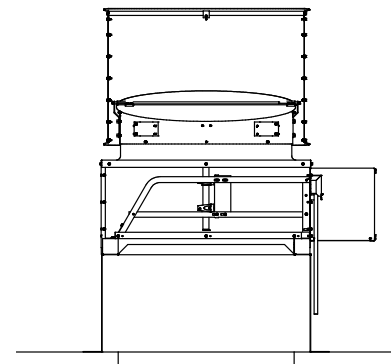
RBUMO with GPI and NEMA-3R

High Temperature Installation



Wire on
outside of unit
(by others)

Disconnect Installation
RBUMO with NEMA-3R



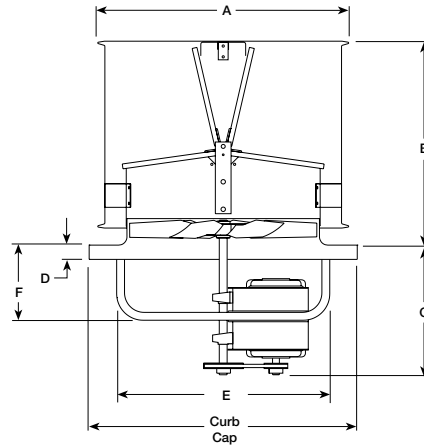
RBUMO with GPI and NEMA-3R

Dimensional Data

Level 1, 2 & 3 Models RBU & RBUMO



Model RBU

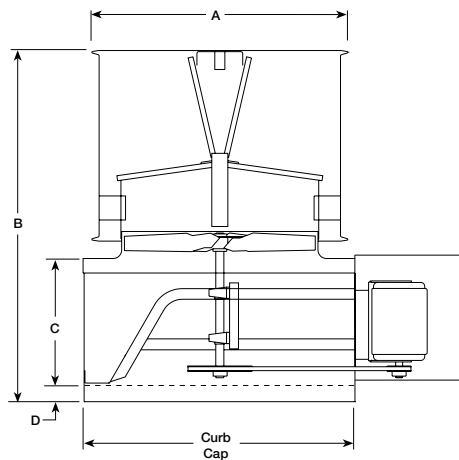


| Model RBU - Belt Drive | | | | | | | | | Maximum Recommended Roof Opening |
|------------------------|------------|-----------|-----------|-----------|---------|------------|-----------|-------------------|----------------------------------|
| Model Size | A | B | C* | | D | E | F | Curb Cap (Inside) | |
| | | | Level | | | | | | |
| | | | 1, 2 | 3 | | | | | |
| 20 | 27¼ (692) | 24 (610) | 15 (381) | — | 1¾ (44) | 23¼ (591) | 9½ (229) | 30 (762) | 26½ (673) |
| 24 | 31½ (791) | 26 (660) | 15½ (394) | 16¾ (425) | 1¾ (44) | 27¾ (695) | 9¾ (240) | 34 (864) | 30½ (775) |
| 30 | 37¾ (999) | 30 (762) | 15½ (394) | 16¾ (425) | 1¾ (44) | 34¾ (883) | 9¾ (251) | 40 (1016) | 36½ (927) |
| 36 | 43½ (1105) | 33 (838) | 16¾ (425) | 16¾ (425) | 1¾ (44) | 40¾ (1038) | 9¾ (251) | 46 (1168) | 42½ (1080) |
| 42 | 49¾ (1245) | 38 (965) | 19¾ (492) | 23¾ (606) | 1¾ (44) | 46¾ (1187) | 11¾ (298) | 52 (1321) | 48½ (1232) |
| 48 | 56 (1422) | 40 (1016) | 19¾ (492) | 23¾ (606) | 1¾ (44) | 52¾ (1340) | 11¾ (298) | 58 (1473) | 54½ (1384) |
| 54 | 62¾ (1591) | 45 (1143) | 19¾ (489) | 26¾ (683) | 1¾ (44) | 61¾ (1556) | 11½ (292) | 66½ (1689) | 63 (1600) |
| 60 | 68¾ (1746) | 48 (1219) | 21¼ (540) | 27 (686) | 1¾ (44) | 66¾ (1683) | 15 (381) | 72 ½ (1842) | 69 (1753) |

All dimensions are in inches (millimeters). *Dimension may vary depending on motor.



Model RBUMO



| Model RBUMO - Belt Drive | | | | | | Maximum Recommended Roof Opening |
|--------------------------|------------|------------|-----------|---------|-------------------|----------------------------------|
| Model Size | A | B+ | C* | D | Curb Cap (Inside) | |
| 20 | 27¼ (692) | 43½ (1105) | 19¾ (502) | 2¼ (57) | 29½ (749) | 26 (660) |
| 24 | 31½ (791) | 45⅞ (1143) | 17½ (438) | 2¼ (57) | 33½ (851) | 30 (762) |
| 30 | 37⅞ (949) | 51¾ (1314) | 19½ (495) | 2¼ (57) | 39⅞ (1003) | 36 (914) |
| 36 | 43½ (1105) | 55 (1397) | 19½ (495) | 2¼ (57) | 45½ (1156) | 42 (1067) |
| 42 | 49⅞ (1245) | 59⅞ (60) | 19⅞ (498) | 2¼ (57) | 51½ (1308) | 48 (1219) |
| 48 | 56 (1422) | 63⅞ (1600) | 21¼ (552) | 2¼ (57) | 57½ (1461) | 54 (1372) |
| 54 | 62⅞ (1591) | 70⅞ (1794) | 22¾ (578) | 2¼ (57) | 66 (1676) | 62½ (1588) |
| 60 | 68¾ (1746) | 75 (1905) | 23 (584) | 2¼ (57) | 72 (1829) | 68½ (1740) |

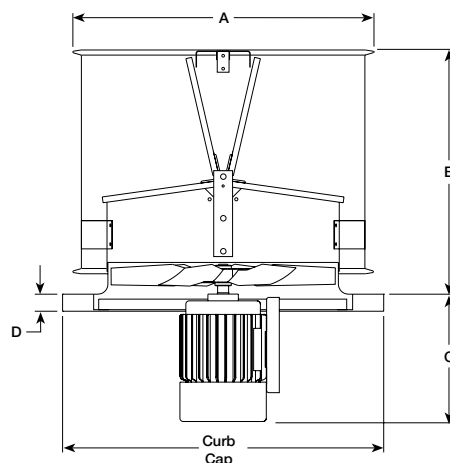
All dimensions shown in inches (millimeters). *Sizes greater than 36 with High Temp Option will be 5 inches larger. *Dimension may vary depending on motor.

Dimensional Data

Model RDU



Model RDU



| Model RDU - Direct Drive | | | | | | Maximum Recommended Roof Opening |
|--------------------------|-------------------------|-----------|--------------------------|----------------------|-------------------|----------------------------------|
| Model Size | A | B | C* | D | Curb Cap (Inside) | |
| 18 | 25 (635) | 22 (559) | 8 $\frac{3}{4}$ (218) | 1 $\frac{3}{4}$ (44) | 28 (711) | 24 $\frac{1}{2}$ (622) |
| 20 | 27 $\frac{1}{4}$ (692) | 24 (610) | 9 $\frac{3}{4}$ (235) | 1 $\frac{3}{4}$ (44) | 30 (762) | 26 $\frac{1}{2}$ (673) |
| 24 | 31 $\frac{1}{8}$ (791) | 26 (660) | 13 $\frac{1}{2}$ (343) | 1 $\frac{3}{4}$ (44) | 34 (864) | 30 $\frac{1}{2}$ (775) |
| 30 | 37 $\frac{3}{8}$ (949) | 30 (762) | 13 $\frac{3}{8}$ (333) | 1 $\frac{3}{4}$ (44) | 40 (1016) | 36 $\frac{1}{2}$ (927) |
| 36 | 43 $\frac{1}{2}$ (1105) | 33 (838) | 12 $\frac{15}{16}$ (329) | 1 $\frac{3}{4}$ (44) | 46 (1168) | 42 $\frac{1}{2}$ (1080) |
| 42 | 49 $\frac{5}{8}$ (1245) | 38 (965) | 18 $\frac{1}{2}$ (470) | 1 $\frac{3}{4}$ (44) | 52 (1321) | 48 $\frac{1}{2}$ (1232) |
| 48 | 56 (1422) | 40 (1016) | 18 $\frac{1}{2}$ (470) | 1 $\frac{3}{4}$ (44) | 58 (1473) | 54 $\frac{1}{2}$ (1384) |

All dimensions shown in inches (millimeters). *Dimension may vary depending on motor.

Weights

Level 1, 2 & 3 Models RBU & RBUMO

| Approximate Weights* | | | | | | |
|----------------------|-----------|-----------|-----------|-----------|-----------|---------------------|
| Model Size | Level 1 | | Level 2 | | Level 3 | |
| | RBU | RBUMO | RBU | RBUMO | RBU | RBUMO RDU |
| 18 | – | – | – | – | – | 122 (55) |
| 20 | 144 (65) | 217 (98) | 144 (655) | 217 (98) | – | 141 (64) |
| 24 | 170 (77) | 248 (112) | 174 (79) | 254 (115) | 178 (81) | 262 (119) 200 (91) |
| 30 | 232 (105) | 335 (152) | 242 (110) | 346 (157) | 273 (124) | 368 (167) 218 (99) |
| 36 | 267 (121) | 385 (175) | 292 (132) | 410 (186) | 327 (148) | 440 (200) 288 (131) |
| 42 | – | – | 411 (186) | 535 (243) | 418 (190) | 542 (246) 351 (159) |
| 48 | – | – | 555 (252) | 703 (319) | 602 (273) | 750 (340) 484 (220) |
| 54 | – | – | 705 (320) | 848 (385) | 717 (325) | 915 (415) – |
| 60 | – | – | – | – | 817 (371) | 1063 (482) – |

*Approximate weight does not include accessories. *Weight. lbs (kg).

Using The Performance Table

Shown below is a portion of a typical performance table used in this catalog. Performance data shown, offers the best selections for each propeller type (“L” or “H”) relative to sound, RPM and static pressure.

Most applications can be met with the “L” type propeller. When using the performance tables, look first at the “L” selections, because they offer the lowest speed and sound levels.

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (in wg) | | | | | | | | | | | |
|---------------------|----------|---------|----------|----------|--|------|-------|------|------|------|------------------|-------|------|-------|------|------|
| | | | | | 0.00 | 0.10 | 0.125 | 0.15 | 0.20 | 0.25 | 0.30 | 0.375 | 0.50 | 0.625 | 0.75 | 1.00 |
| Level 1 Performance | | Max RPM | L - 1085 | H - 1221 | Max Motor Frame Size - 56 | | | | | | TS = RPM x 5.235 | | | | | |
| RBU-1L20-4 | 1/4 | 705 | 0.17 | 11.6 | 3606 | 2836 | 2451 | | | | | | | | | |
| | | 810 | 0.25 | 13.3 | 4143 | 3510 | 3325 | 3084 | | | | | | | | |
| | | 861 | 0.30 | 14.3 | 4404 | 3795 | 3672 | 3455 | | | | | | | | |
| RBU-1H20-4 | 1/4 | 773 | 0.17 | 11.1 | 2987 | 2453 | 2293 | 2112 | 1596 | 924 | 676 | 304 | | | | |
| | | 892 | 0.27 | 14.1 | 3351 | 2987 | 2873 | 2744 | 2436 | 2011 | 1409 | 886 | 348 | | | |
| | | 953 | 0.30 | 16.2 | 3581 | 3247 | 3148 | 3034 | 2769 | 2469 | 2002 | 1160 | 657 | | | |
| RBU-1L20-3 | 1/3 | 889 | 0.33 | 14.9 | 4547 | 3950 | 3830 | 3655 | 3067 | | | | | | | |
| | | 947 | 0.40 | 16.1 | 4844 | 4271 | 4156 | 4044 | 3648 | | | | | | | |
| RBU-1H20-3 | 1/3 | 998 | 0.37 | 16.7 | 3750 | 3436 | 3342 | 3244 | 3006 | 2727 | 2398 | 1588 | 873 | 393 | | |
| | | 1039 | 0.40 | 17.2 | 3904 | 3638 | 3517 | 3427 | 3212 | 2954 | 2676 | 2037 | 1064 | 603 | | |
| RBU-1L20-5 | 1/2 | 1021 | 0.50 | 17.0 | 5222 | 4675 | 4566 | 4461 | 4181 | 3747 | | | | | | |
| | | 1085 | 0.60 | 17.9 | 5550 | 5021 | 4919 | 4817 | 4621 | 4269 | 3712 | | | | | |
| RBU-1H20-5 | 1/2 | 1107 | 0.50 | 18.0 | 4159 | 3885 | 3805 | 3720 | 3534 | 3315 | 3065 | 2599 | 1368 | 935 | 502 | |
| | | 1221 | 0.60 | 20 | 4587 | 4339 | 4277 | 4203 | 4049 | 3873 | 3675 | 3333 | 2514 | 1456 | 1064 | |

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

“L” type
Low pressure propeller

“H” type
High pressure propeller

Shows level of construction based on fan RPM & motor frame size.

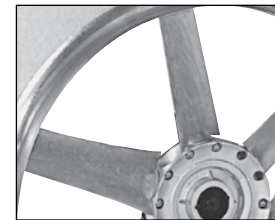
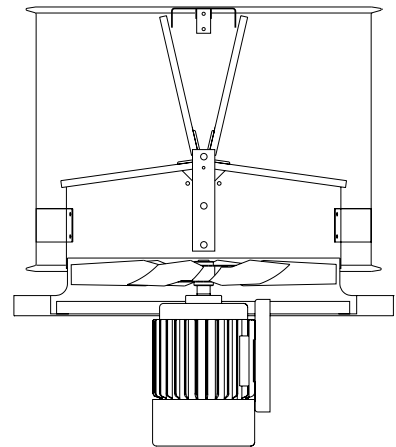
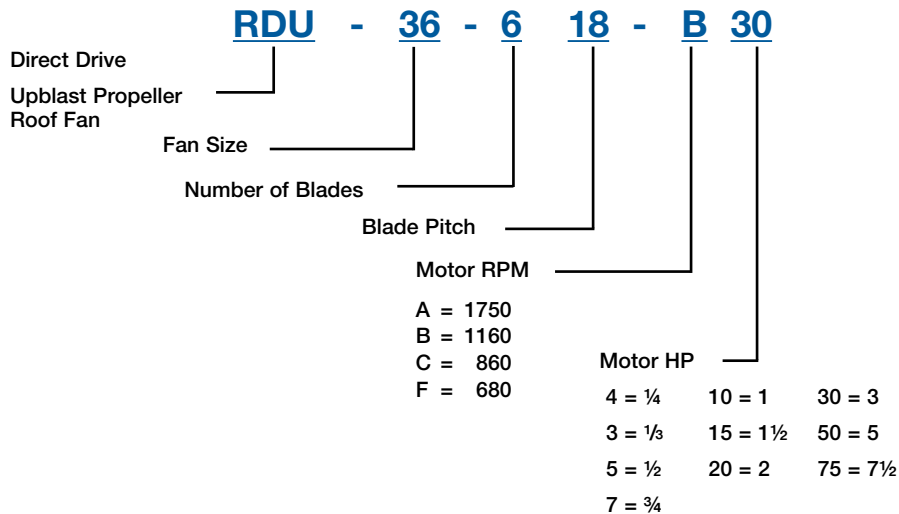
Note that each max. BHP is cataloged at a 1.0 and 1.2 motor service factor. See page 5 for more details.

Optimum selection range for the “L” type propeller.

Optimum selection range for the “H” type propeller.

Model Number Code - Direct Drive

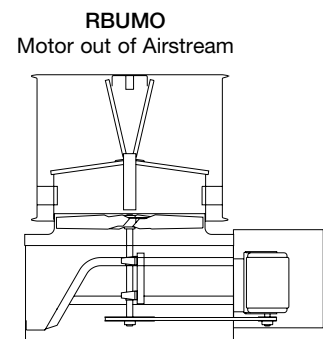
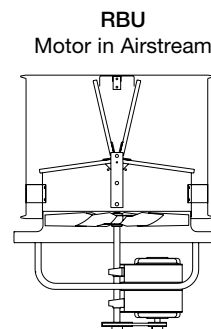
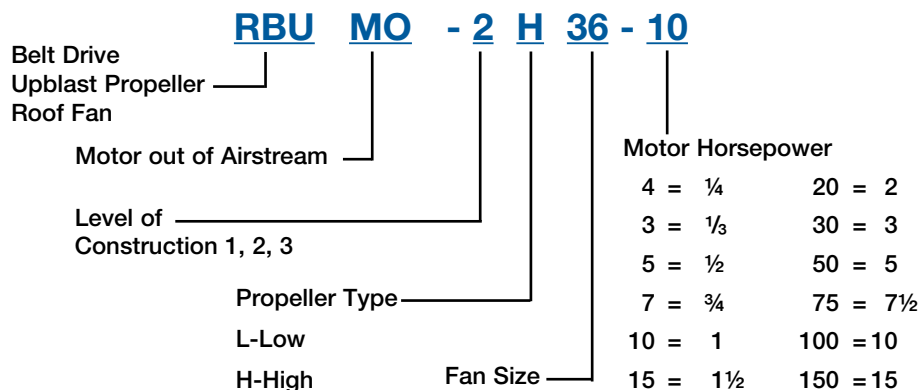
The model number code is designed to completely identify the fan. A detailed explanation of the RDU model number is shown below.



All propellers for model RDU fans are cast aluminum construction.

Model Number Code - Belt Drive

The model number system is designed to completely identify the fan. The correct code letters must be specified to designate motor in airstream or motor out of airstream. The remainder of the model number is determined by the size and performance selected from the following pages. A detailed explanation of the model number code is shown below.



RDU-18 – 24 Direct Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|----------------|----------|---------|---------|--------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| RDU-18-635-B3 | 1/3 | 1140 | 0.37 | 19.1 | 3178 | 2812 | | | | | | | | | | |
| RDU-18-317-A4 | 1/4 | 1725 | 0.31 | 23 | 3101 | 2858 | 2796 | | | | | | | | | |
| RDU-18-416-A3 | 1/3 | 1725 | 0.39 | 26 | 3274 | 3070 | 3013 | 2956 | 2839 | | | | | | | |
| RDU-18-620-A5 | 1/2 | 1725 | 0.62 | 28 | 3792 | 3598 | 3550 | 3502 | 3404 | 3304 | 3198 | 3014 | | | | |
| RDU-18-432-A7 | 3/4 | 1725 | 0.87 | 32 | 4248 | 3992 | 3930 | 3868 | 3739 | 3601 | 3444 | | | | | |
| RDU-18-632-A10 | 1 | 1725 | 1.20 | 32 | 4755 | 4528 | 4471 | 4414 | 4301 | 4163 | 4015 | | | | | |
| RDU-20-425-B4 | 1/4 | 1140 | 0.28 | 19.7 | 3554 | | | | | | | | | | | |
| RDU-20-625-B3 | 1/3 | 1140 | 0.37 | 21 | 3831 | 3497 | 3401 | 3302 | | | | | | | | |
| RDU-20-635-B5 | 1/2 | 1140 | 0.56 | 24 | 4316 | 3944 | 3857 | 3740 | | | | | | | | |
| RDU-20-313-A3 | 1/3 | 1725 | 0.40 | 27 | 3940 | 3643 | 3569 | 3494 | 3333 | 3171 | | | | | | |
| RDU-20-320-A5 | 1/2 | 1725 | 0.57 | 28 | 4505 | 4195 | 4120 | 4046 | 3892 | 3732 | 3561 | 3273 | | | | |
| RDU-20-618-A7 | 3/4 | 1725 | 0.86 | 34 | 4943 | 4743 | 4693 | 4640 | 4523 | 4402 | 4280 | 4086 | | | | |
| RDU-20-430-A10 | 1 | 1725 | 1.19 | 35 | 5746 | 5455 | 5382 | 5311 | 5168 | 5018 | 4867 | 4626 | 4064 | | | |
| RDU-24-622-C4 | 1/4 | 860 | 0.27 | 15.2 | 4720 | 4111 | | | | | | | | | | |
| RDU-24-628-C3 | 1/3 | 860 | 0.36 | 15.5 | 5293 | 4670 | 4470 | 4266 | | | | | | | | |
| RDU-24-411-B4 | 1/4 | 1140 | 0.23 | 21 | 4372 | | | | | | | | | | | |
| RDU-24-416-B3 | 1/3 | 1140 | 0.36 | 22 | 5248 | 4737 | 4594 | 4446 | 4102 | | | | | | | |
| RDU-24-620-B5 | 1/2 | 1140 | 0.58 | 24 | 6055 | 5643 | 5517 | 5391 | 5120 | 4861 | 4578 | | | | | |
| RDU-24-628-B7 | 3/4 | 1140 | 0.85 | 26 | 7016 | 6577 | 6454 | 6330 | 6044 | 5739 | 5429 | | | | | |
| RDU-24-635-B10 | 1 | 1140 | 1.13 | 28 | 7661 | 7152 | 7019 | 6886 | 6576 | | | | | | | |
| RDU-24-304-A3 | 1/3 | 1725 | 0.35 | 32 | 4632 | 4207 | 4086 | 3964 | | | | | | | | |
| RDU-24-309-A5 | 1/2 | 1725 | 0.54 | 34 | 5844 | 5443 | 5341 | 5238 | 5018 | 4777 | 4495 | 4022 | | | | |
| RDU-24-411-A7 | 3/4 | 1725 | 0.81 | 38 | 6617 | 6306 | 6220 | 6123 | 5929 | 5740 | 5553 | 5209 | 4509 | | | |
| RDU-24-613-A10 | 1 | 1725 | 1.21 | 43 | 7271 | 7024 | 6962 | 6899 | 6764 | 6628 | 6493 | 6282 | 5889 | | | |
| RDU-24-617-A15 | 1½ | 1725 | 1.67 | 44 | 8422 | 8148 | 8080 | 8011 | 7873 | 7734 | 7595 | 7364 | 6956 | 6505 | 5713 | |
| RDU-24-622-A20 | 2 | 1725 | 2.15 | 47 | 9469 | 9206 | 9141 | 9075 | 8937 | 8770 | 8603 | 8346 | 7894 | 7412 | 6867 | |
| RDU-24-630-A30 | 3 | 1725 | 3.19 | 54 | 10952 | 10631 | 10551 | 10471 | 10311 | 10152 | 9993 | 9748 | 9267 | 8756 | | |

Minimum CFM required to open dampers
Aluminum Dampers: 2750
Steel Dampers: 3520

Minimum CFM required to open dampers
Aluminum Dampers: 3170
Steel Dampers: 4090

Minimum CFM required to open dampers
Aluminum Dampers: 3950
Steel Dampers: 5220

Performance certified is for Model RDU exhaust for installation type A: free inlet, free outlet. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

RDU-30 – 48 Direct Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|----------------|----------|---------|---------|--------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| RDU-30-416-C3 | 1/3 | 860 | 0.38 | 18.9 | 7927 | 6810 | 6462 | 6094 | | | | | | | | |
| RDU-30-618-C5 | 1/2 | 860 | 0.57 | 21 | 8669 | 7729 | 7498 | 7266 | 6699 | | | | | | | |
| RDU-30-625-C7 | 3/4 | 860 | 0.85 | 21 | 10393 | 9494 | 9232 | 8923 | 8272 | 7591 | | | | | | |
| RDU-30-632-C10 | 1 | 860 | 1.15 | 24 | 11515 | 10497 | 10245 | 9891 | 9115 | 8329 | | | | | | |
| RDU-30-307-B3 | 1/3 | 1140 | 0.38 | 40 | 7386 | 6463 | 6212 | | | | | | | | | |
| RDU-30-315-B5 | 1/2 | 1140 | 0.63 | 25 | 9321 | 8409 | 8158 | 7895 | 7254 | 6544 | | | | | | |
| RDU-30-416-B7 | 3/4 | 1140 | 0.89 | 32 | 10507 | 9722 | 9512 | 9287 | 8783 | 8227 | 7695 | 6656 | | | | |
| RDU-30-422-B10 | 1 | 1140 | 1.18 | 35 | 11647 | 10816 | 10580 | 10347 | 9893 | 9394 | 8826 | 7751 | | | | |
| RDU-30-430-B15 | 1½ | 1140 | 1.70 | 37 | 13067 | 12049 | 11781 | 11486 | 10876 | 10355 | 9768 | 8637 | | | | |
| RDU-30-628-B20 | 2 | 1140 | 2.28 | 36 | 14530 | 13816 | 13655 | 13493 | 13171 | 12743 | 12100 | 11265 | | | | |
| RDU-36-414-F3 | 1/3 | 680 | 0.38 | 16.6 | 9917 | 7934 | | | | | | | | | | |
| RDU-36-615-F5 | 1/2 | 680 | 0.59 | 19.0 | 11433 | 9917 | 9459 | 8949 | 7673 | | | | | | | |
| RDU-36-622-F7 | 3/4 | 680 | 0.85 | 19.9 | 13216 | 11603 | 11061 | 10511 | 9213 | | | | | | | |
| RDU-36-629-F10 | 1 | 680 | 1.15 | 22 | 14378 | 12427 | 11758 | 11166 | | | | | | | | |
| RDU-36-308-C3 | 1/3 | 860 | 0.40 | 21 | 9872 | 8056 | | | | | | | | | | |
| RDU-36-313-C5 | 1/2 | 860 | 0.54 | 25 | 11220 | 9523 | 9028 | 8468 | | | | | | | | |
| RDU-36-414-C7 | 3/4 | 860 | 0.76 | 24 | 12543 | 11115 | 10700 | 10239 | 9200 | 7727 | | | | | | |
| RDU-36-615-C10 | 1 | 860 | 1.19 | 27 | 14459 | 13327 | 13018 | 12683 | 11962 | 11146 | 10158 | 8083 | | | | |
| RDU-36-622-C15 | 1½ | 860 | 1.72 | 28 | 16715 | 15553 | 15206 | 14844 | 13988 | 13118 | 12105 | | | | | |
| RDU-36-628-C20 | 2 | 860 | 2.22 | 31 | 18062 | 16604 | 16260 | 15831 | 14876 | 13917 | 12722 | | | | | |
| RDU-36-303-B5 | 1/2 | 1140 | 0.57 | 34 | 10004 | 8726 | 8364 | 8020 | | | | | | | | |
| RDU-36-308-B10 | 1 | 1140 | 0.94 | 33 | 13087 | 11802 | 11461 | 11068 | 10324 | 9409 | 8240 | | | | | |
| RDU-36-318-B15 | 1½ | 1140 | 1.72 | 37 | 16515 | 15146 | 14768 | 14407 | 13675 | 12863 | 11797 | 10059 | | | | |
| RDU-36-612-B20 | 2 | 1140 | 2.26 | 44 | 17601 | 16764 | 16541 | 16311 | 15852 | 15353 | 14830 | 13955 | 12254 | 10056 | | |
| RDU-36-618-B30 | 3 | 1140 | 3.47 | 49 | 21168 | 20299 | 20082 | 19853 | 19392 | 18931 | 18376 | 17466 | | | | |
| RDU-36-629-B50 | 5 | 1140 | 5.41 | 54 | 24105 | 23042 | 22776 | 22508 | 21972 | 21368 | 20507 | 19378 | 17312 | | | |
| RDU-42-318-F7 | 3/4 | 680 | 0.90 | 26 | 15873 | 12993 | 12062 | | | | | | | | | |
| RDU-42-326-F10 | 1 | 680 | 1.18 | 28 | 17693 | 13919 | 12889 | 11677 | | | | | | | | |
| RDU-42-430-F15 | 1½ | 680 | 1.78 | 31 | 20266 | 16909 | 15982 | 14977 | 12230 | | | | | | | |
| RDU-42-628-F20 | 2 | 680 | 2.38 | 36 | 22335 | 19964 | 19209 | 18361 | 16704 | 15083 | 13007 | | | | | |
| RDU-42-605-C10 | 1 | 860 | 1.24 | 34 | 14640 | 13254 | 12891 | 12556 | 11886 | 11297 | | | | | | |
| RDU-42-318-C15 | 1½ | 860 | 1.83 | 35 | 20075 | 17913 | 17294 | 16677 | 15253 | 13365 | 11434 | | | | | |
| RDU-42-326-C20 | 2 | 860 | 2.39 | 36 | 22377 | 19401 | 18665 | 17914 | 16299 | 14329 | 11788 | | | | | |
| RDU-42-430-C30 | 3 | 860 | 3.60 | 45 | 25630 | 22907 | 22278 | 21640 | 20210 | 18568 | 16592 | 12434 | | | | |
| RDU-48-407-F7 | 3/4 | 680 | 0.87 | 30 | 17727 | 15062 | 14400 | 13708 | | | | | | | | |
| RDU-48-411-F10 | 1 | 680 | 1.16 | 31 | 20823 | 18292 | 17571 | 16813 | 15029 | 12918 | | | | | | |
| RDU-48-613-F15 | 1½ | 680 | 1.79 | 33 | 23068 | 21326 | 20829 | 20332 | 19185 | 17878 | 16327 | 13330 | | | | |
| RDU-48-617-F20 | 2 | 680 | 2.31 | 36 | 26328 | 24480 | 23979 | 23477 | 22269 | 20873 | 19170 | 15473 | | | | |
| RDU-48-625-F30 | 3 | 680 | 3.53 | 37 | 32294 | 29875 | 29316 | 28758 | 27277 | 25313 | 22864 | 18864 | | | | |
| RDU-48-306-C10 | 1 | 860 | 1.21 | 39 | 20430 | 17957 | 17317 | 16677 | 15166 | 13454 | | | | | | |
| RDU-48-311-C15 | 1½ | 860 | 1.81 | 39 | 24974 | 22700 | 22090 | 21397 | 19872 | 18138 | 16088 | | | | | |
| RDU-48-316-C20 | 2 | 860 | 2.44 | 39 | 28517 | 25985 | 25197 | 24406 | 22786 | 20954 | 18705 | 14253 | | | | |
| RDU-48-417-C30 | 3 | 860 | 3.49 | 46 | 31630 | 29602 | 29019 | 28435 | 27152 | 25731 | 24060 | 21100 | 14269 | | | |
| RDU-48-621-C50 | 5 | 860 | 5.86 | 52 | 37854 | 36010 | 35553 | 35121 | 34257 | 33393 | 32340 | 30675 | 26552 | 20719 | 12453 | |
| RDU-48-630-C75 | 7½ | 860 | 8.83 | 55 | 43433 | 41386 | 40786 | 40100 | 38727 | 37353 | 35980 | 33238 | 28482 | 18414 | 12755 | |

Minimum CFM required to open dampers
Aluminum Dampers: 6050
Steel Dampers: 7130

Minimum CFM required to open dampers
Aluminum Dampers: 7620
Steel Dampers: 10980

Minimum CFM required to open dampers
Aluminum Dampers: 11050
Steel Dampers: 13550

Minimum CFM required to open dampers
Aluminum Dampers: 12820
Steel Dampers: 16420

Performance certified is for Model RDU exhaust for installation type A: free inlet, free outlet. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

RBU-20 Belt Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | | |
|---------------------|----------|---------|---------|----------|--|-------|-----------------------------|-------|-------|-------|-------|-------|------------------|-------|-------|-------|--|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 | |
| Level 1 Performance | | Max RPM | | L - 1084 | H - 1443 | | Max Motor Frame Size - 56 | | | | | | TS = RPM x 5.236 | | | | |
| RBU-1L20-4 | 1/4 | 726 | 0.18 | 11.3 | 3506 | | | | | | | | | | | | |
| RBU-1L20-4 | 1/4 | 810 | 0.25 | 13.4 | 3912 | 3218 | | | | | | | | | | | |
| RBU-1L20-4 | 1/4 | 861 | 0.30 | 14.8 | 4158 | 3516 | | | | | | | | | | | |
| RBU-1L20-3 | 1/3 | 891 | 0.33 | 15.2 | 4303 | 3689 | 3512 | | | | | | | | | | |
| RBU-1L20-3 | 1/3 | 946 | 0.40 | 16.2 | 4569 | 4001 | 3835 | | | | | | | | | | |
| RBU-1H20-3 | 1/3 | 1145 | 0.30 | 17.2 | 3408 | | | | | | | | | | | | |
| RBU-1H20-3 | 1/3 | 1186 | 0.33 | 17.5 | 3530 | 3262 | | | | | | | | | | | |
| RBU-1H20-3 | 1/3 | 1260 | 0.40 | 18.1 | 3750 | 3512 | 3423 | 3333 | 3174 | | | | | | | | |
| RBU-1L20-5 | 1/2 | 1020 | 0.50 | 17.9 | 4926 | 4400 | 4260 | 4106 | | | | | | | | | |
| RBU-1L20-5 | 1/2 | 1084 | 0.60 | 19.3 | 5235 | 4740 | 4616 | 4476 | | | | | | | | | |
| RBU-1H20-5 | 1/2 | 1358 | 0.50 | 19.3 | 4042 | 3832 | 3756 | 3673 | 3515 | 3369 | 3190 | | | | | | |
| RBU-1H20-5 | 1/2 | 1443 | 0.60 | 21 | 4295 | 4098 | 4041 | 3963 | 3807 | 3669 | 3531 | 3229 | | | | | |
| Level 2 Performance | | Max RPM | | L - 1241 | H - 1652 | | Max Motor Frame Size - 145T | | | | | | TS = RPM x 5.236 | | | | |
| RBU-2L20-5 | 1/2 | 1020 | 0.50 | 17.9 | 4926 | 4400 | 4260 | 4106 | | | | | | | | | |
| RBU-2L20-5 | 1/2 | 1084 | 0.60 | 19.3 | 5235 | 4740 | 4616 | 4476 | | | | | | | | | |
| RBU-2H20-5 | 1/2 | 1358 | 0.50 | 19.3 | 4042 | 3832 | 3756 | 3673 | 3515 | 3369 | 3190 | | | | | | |
| RBU-2H20-5 | 1/2 | 1443 | 0.60 | 21 | 4295 | 4098 | 4041 | 3963 | 3807 | 3669 | 3531 | 3229 | | | | | |
| RBU-2L20-7 | 3/4 | 1168 | 0.75 | 21 | 5641 | 5182 | 5067 | 4951 | 4684 | | | | | | | | |
| RBU-2L20-7 | 3/4 | 1241 | 0.90 | 23 | 5994 | 5562 | 5453 | 5344 | 5107 | 4854 | | | | | | | |
| RBU-2H20-7 | 3/4 | 1554 | 0.75 | 23 | 4625 | 4442 | 4397 | 4337 | 4193 | 4053 | 3925 | 3724 | | | | | |
| RBU-2H20-7 | 3/4 | 1652 | 0.90 | 24 | 4917 | 4745 | 4702 | 4659 | 4528 | 4392 | 4267 | 4086 | 3663 | | | | |

Minimum CFM required to open dampers
Aluminum Dampers: 3170
Steel Dampers: 4090

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

RBU-24 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | CFM / Static Pressure in Inches WG | | | | | | | | | | | | |
|---------------------|----------|---------|---------|----------|------------------------------------|-------|-----------------------------|-------|-------|-------|-------|-------|---|-------|-------|-------|--|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 | |
| Level 1 Performance | | Max RPM | | L - 808 | H - 1351 | | Max Motor Frame Size - 56 | | | | | | TS = RPM x 6.283 | | | | |
| RBU-1L24-4 | 1/4 | 525 | 0.16 | 13.0 | 4412 | | | | | | | | <div>Minimum CFM required to open dampers Aluminum Dampers: 3950 Steel Dampers: 5220</div> | | | | |
| RBU-1L24-4 | 1/4 | 604 | 0.25 | 14.0 | 5076 | 4093 | | | | | | | | | | | |
| RBU-1L24-4 | 1/4 | 642 | 0.30 | 14.5 | 5396 | 4506 | 4204 | | | | | | | | | | |
| RBU-1H24-4 | 1/4 | 750 | 0.16 | 10.4 | 4098 | | | | | | | | | | | | |
| RBU-1H24-4 | 1/4 | 867 | 0.25 | 13.8 | 4737 | 4181 | 4047 | | | | | | | | | | |
| RBU-1H24-4 | 1/4 | 930 | 0.30 | 16.3 | 5081 | 4581 | 4435 | 4310 | 4024 | | | | <div>CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.</div> | | | | |
| RBU-1L24-3 | 1/3 | 662 | 0.33 | 14.8 | 5564 | 4719 | 4429 | 4132 | | | | | | | | | |
| RBU-1L24-3 | 1/3 | 706 | 0.40 | 15.8 | 5934 | 5180 | 4911 | 4636 | | | | | | | | | |
| RBU-1H24-3 | 1/3 | 964 | 0.33 | 17.3 | 5267 | 4799 | 4642 | 4521 | 4265 | | | | | | | | |
| RBU-1H24-3 | 1/3 | 1021 | 0.40 | 18.1 | 5578 | 5159 | 5001 | 4872 | 4644 | 4365 | | | | | | | |
| RBU-1L24-5 | 1/2 | 760 | 0.50 | 17.1 | 6388 | 5707 | 5486 | 5236 | 4720 | | | | | | | | |
| RBU-1L24-5 | 1/2 | 808 | 0.60 | 18.2 | 6791 | 6158 | 5984 | 5750 | 5271 | | | | | | | | |
| RBU-1H24-5 | 1/2 | 1097 | 0.50 | 19.6 | 5994 | 5635 | 5487 | 5340 | 5121 | 4904 | 4627 | | | | | | |
| RBU-1H24-5 | 1/2 | 1176 | 0.60 | 21 | 6425 | 6109 | 5985 | 5847 | 5608 | 5410 | 5191 | | | | | | |
| RBU-1H24-7 | 3/4 | 1260 | 0.75 | 24 | 6884 | 6589 | 6507 | 6379 | 6122 | 5933 | 5748 | 5415 | | | | | |
| RBU-1H24-7 | 3/4 | 1351 | 0.90 | 28 | 7382 | 7106 | 7037 | 6947 | 6708 | 6491 | 6318 | 6058 | | | | | |
| Level 2 Performance | | Max RPM | | L - 924 | H - 1477 | | Max Motor Frame Size - 145T | | | | | | TS = RPM x 6.283 | | | | |
| RBU-2L24-7 | 3/4 | 870 | 0.75 | 20 | 7312 | 6734 | 6572 | 6400 | 5963 | 5512 | | | | | | | |
| RBU-2L24-7 | 3/4 | 924 | 0.90 | 22 | 7766 | 7230 | 7078 | 6925 | 6544 | 6126 | 5651 | | | | | | |
| RBU-2H24-7 | 3/4 | 1260 | 0.75 | 23 | 6884 | 6589 | 6507 | 6379 | 6122 | 5933 | 5748 | 5415 | | | | | |
| RBU-2H24-7 | 3/4 | 1351 | 0.90 | 26 | 7382 | 7106 | 7037 | 6947 | 6708 | 6491 | 6318 | 6058 | | | | | |
| RBU-2H24-10 | 1 | 1376 | 1.00 | 29 | 7518 | 7248 | 7180 | 7102 | 6867 | 6642 | 6473 | 6219 | 5681 | | | | |
| RBU-2H24-10 | 1 | 1477 | 1.20 | 32 | 8070 | 7818 | 7755 | 7692 | 7505 | 7286 | 7092 | 6856 | 6410 | | | | |
| Level 3 Performance | | Max RPM | | L - 1135 | H - 1460 | | Max Motor Frame Size - 145T | | | | | | TS = RPM x 6.283 | | | | |
| RBU-3L24-10 | 1 | 969 | 0.75 | 19.7 | 7598 | 6936 | 6763 | 6582 | 6207 | 5736 | | | | | | | |
| RBU-3L24-10 | 1 | 1067 | 1.00 | 22 | 8366 | 7771 | 7614 | 7457 | 7124 | 6774 | 6343 | | | | | | |
| RBU-3L24-10 | 1 | 1135 | 1.20 | 24 | 8900 | 8344 | 8197 | 8049 | 7746 | 7426 | 7067 | 6325 | | | | | |
| RBU-3H24-10 | 1 | 1244 | 0.75 | 21 | 7121 | 6720 | 6613 | 6498 | 6270 | 6044 | 5818 | 5416 | 4384 | | | | |
| RBU-3H24-10 | 1 | 1372 | 1.00 | 26 | 7854 | 7491 | 7400 | 7301 | 7094 | 6888 | 6682 | 6375 | 5742 | 4603 | | | |
| RBU-3H24-10 | 1 | 1460 | 1.20 | 28 | 8358 | 8016 | 7931 | 7845 | 7653 | 7458 | 7264 | 6975 | 6435 | 5723 | 4403 | | |

Minimum CFM required to open dampers
Aluminum Dampers: 3950
Steel Dampers: 5220

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBU exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBU-30 Belt Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|---------|---------|----------|--|-------|-----------------------------|-------|-------|-------|-------|------------------|-------|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 1 Performance | | Max RPM | | L - 695 | H - 963 | | Max Motor Frame Size - 56 | | | | | TS = RPM x 7.854 | | | | |
| RBU-1L30-3 | 1/3 | 454 | 0.25 | 10.7 | 7256 | | | | | | | | | | | |
| RBU-1L30-3 | 1/3 | 499 | 0.33 | 11.7 | 7975 | 6266 | 6266 | | | | | | | | | |
| RBU-1L30-3 | 1/3 | 531 | 0.40 | 12.6 | 8487 | 6888 | 6472 | | | | | | | | | |
| RBU-1H30-3 | 1/3 | 572 | 0.25 | 11.7 | 6499 | | | | | | | | | | | |
| RBU-1H30-3 | 1/3 | 626 | 0.33 | 13.2 | 7113 | 6094 | | | | | | | | | | |
| RBU-1H30-3 | 1/3 | 669 | 0.40 | 14.2 | 7602 | 6659 | 6401 | 6131 | | | | | | | | |
| RBU-1L30-5 | 1/2 | 571 | 0.50 | 13.7 | 9126 | 7622 | 7262 | 6875 | | | | | | | | |
| RBU-1L30-5 | 1/2 | 607 | 0.60 | 14.8 | 9701 | 8268 | 7951 | 7593 | | | | | | | | |
| RBU-1H30-5 | 1/2 | 720 | 0.50 | 16.5 | 8181 | 7316 | 7079 | 6839 | 6300 | | | | | | | |
| RBU-1H30-5 | 1/2 | 764 | 0.60 | 17.6 | 8681 | 7875 | 7653 | 7428 | 6955 | 6419 | | | | | | |
| RBU-1L30-7 | 3/4 | 654 | 0.75 | 16.4 | 10452 | 9097 | 8803 | 8507 | 7831 | | | | | | | |
| RBU-1L30-7 | 3/4 | 695 | 0.90 | 18.0 | 11108 | 9822 | 9534 | 9257 | 8651 | 7844 | | | | | | |
| RBU-1H30-7 | 3/4 | 824 | 0.75 | 19.0 | 9363 | 8628 | 8422 | 8216 | 7797 | 7329 | 6824 | | | | | |
| RBU-1H30-7 | 3/4 | 875 | 0.90 | 22 | 9942 | 9261 | 9067 | 8873 | 8481 | 8081 | 7613 | 6874 | | | | |
| RBU-1H30-10 | 1 | 908 | 1.00 | 25 | 10317 | 9666 | 9481 | 9294 | 8918 | 8538 | 8108 | 7415 | | | | |
| RBU-1H30-10 | 1 | 963 | 1.20 | 27 | 10942 | 10328 | 10165 | 9989 | 9637 | 9279 | 8918 | 8280 | 7021 | | | |
| Level 2 Performance | | Max RPM | | L - 964 | H - 1213 | | Max Motor Frame Size - 184T | | | | | TS = RPM x 7.854 | | | | |
| RBU-2L30-10 | 1 | 720 | 1.00 | 19.1 | 11507 | 10270 | 9974 | 9707 | 9142 | 8511 | | | | | | |
| RBU-2L30-10 | 1 | 765 | 1.20 | 21 | 12227 | 11068 | 10765 | 10508 | 10006 | 9433 | 8692 | | | | | |
| RBU-2H30-10 | 1 | 908 | 1.00 | 23 | 10317 | 9666 | 9481 | 9294 | 8918 | 8538 | 8108 | 7415 | | | | |
| RBU-2H30-10 | 1 | 963 | 1.20 | 26 | 10942 | 10328 | 10165 | 9989 | 9637 | 9279 | 8918 | 8280 | 7021 | | | |
| RBU-2L30-15 | 1½ | 824 | 1.50 | 23 | 13170 | 12102 | 11820 | 11543 | 11077 | 10591 | 10054 | | | | | |
| RBU-2L30-15 | 1½ | 876 | 1.81 | 25 | 14001 | 13003 | 12739 | 12474 | 12004 | 11566 | 11083 | 10270 | | | | |
| RBU-2H30-15 | 1½ | 1039 | 1.50 | 29 | 11806 | 11236 | 11094 | 10938 | 10612 | 10284 | 9951 | 9418 | 8408 | | | |
| RBU-2H30-15 | 1½ | 1102 | 1.80 | 30 | 12522 | 11985 | 11851 | 11716 | 11409 | 11101 | 10790 | 10320 | 9408 | 8414 | | |
| RBU-2L30-20 | 2 | 907 | 2.00 | 27 | 14496 | 13537 | 13281 | 13026 | 12551 | 12128 | 11686 | 10955 | | | | |
| RBU-2L30-20 | 2 | 964 | 2.41 | 30 | 15407 | 14512 | 14272 | 14031 | 13551 | 13148 | 12750 | 12089 | | | | |
| RBU-2H30-20 | 2 | 1143 | 2.00 | 31 | 12988 | 12470 | 12341 | 12211 | 11923 | 11627 | 11328 | 10875 | 10030 | 9095 | | |
| RBU-2H30-20 | 2 | 1213 | 2.40 | 34 | 13783 | 13295 | 13173 | 13051 | 12795 | 12515 | 12235 | 11811 | 11071 | 10226 | 9315 | |
| Level 3 Performance | | Max RPM | | L - 1154 | H - 1471 | | Max Motor Frame Size - 184 | | | | | TS = RPM x 7.854 | | | | |
| RBU-3L30-20 | 2 | 862 | 1.50 | 29 | 13255 | 12275 | 12006 | 11737 | 11181 | 10523 | | | | | | |
| RBU-3L30-20 | 2 | 949 | 2.01 | 29 | 14592 | 13722 | 13477 | 13232 | 12740 | 12233 | 11639 | | | | | |
| RBU-3L30-20 | 2 | 1008 | 2.40 | 31 | 15500 | 14684 | 14463 | 14232 | 13772 | 13300 | 12822 | | | | | |
| RBU-3H30-20 | 2 | 1099 | 1.50 | 34 | 12302 | 11703 | 11554 | 11415 | 11143 | 10872 | 10591 | 10164 | 9307 | 8153 | 5836 | |
| RBU-3H30-20 | 2 | 1209 | 2.00 | 36 | 13533 | 12989 | 12853 | 12717 | 12466 | 12220 | 11973 | 11589 | 10912 | 10090 | 9046 | |
| RBU-3H30-20 | 2 | 1285 | 2.40 | 39 | 14384 | 13872 | 13744 | 13616 | 13371 | 13138 | 12906 | 12554 | 11946 | 11238 | 10414 | 7066 |
| RBU-3L30-30 | 3 | 1086 | 3.01 | 37 | 16699 | 15942 | 15753 | 15540 | 15112 | 14685 | 14242 | 13577 | | | | |
| RBU-3L30-30 | 3 | 1154 | 3.61 | 38 | 17745 | 17032 | 16854 | 16669 | 16267 | 15864 | 15457 | 14831 | | | | |
| RBU-3H30-30 | 3 | 1384 | 3.00 | 45 | 15492 | 15017 | 14898 | 14779 | 14542 | 14323 | 14107 | 13784 | 13228 | 12660 | 11965 | 10175 |
| RBU-3H30-30 | 3 | 1471 | 3.60 | 50 | 16466 | 16019 | 15907 | 15795 | 15572 | 15355 | 15152 | 14848 | 14335 | 13804 | 13225 | 11816 |

Minimum CFM required to open dampers
Aluminum Dampers: 6050
Steel Dampers: 7130

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBU exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBU-36 Belt Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|---------|---------|---------|--|-------|-----------------------------|-------|-------|-------|-------|------------------|-------|--|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 1 Performance | | Max RPM | | L - 551 | H - 806 | | Max Motor Frame Size - 145T | | | | | TS = RPM x 9.424 | | | | |
| RBU-1L36-5 | 1/2 | 357 | 0.30 | 10.7 | 9954 | | | | | | | | | Minimum CFM required to open dampers Aluminum Dampers: 7620 Steel Dampers: 10980 | | |
| RBU-1L36-5 | 1/2 | 410 | 0.50 | 12.8 | 11432 | 9148 | 8431 | | | | | | | | | |
| RBU-1L36-5 | 1/2 | 435 | 0.60 | 14.0 | 12129 | 10040 | 9378 | 8604 | | | | | | | | |
| RBU-1H36-5 | 1/2 | 458 | 0.33 | 13.0 | 9342 | | | | | | | | | | | |
| RBU-1H36-5 | 1/2 | 526 | 0.50 | 14.9 | 10729 | 9149 | 8603 | 7986 | | | | | | | | |
| RBU-1H36-5 | 1/2 | 561 | 0.60 | 16.1 | 11443 | 10005 | 9555 | 9000 | | | | | | CFM values shown in black are the most efficient selections. Values shown in gray are not recommended. | | |
| RBU-1L36-7 | 3/4 | 468 | 0.75 | 15.6 | 13049 | 11190 | 10573 | 9959 | | | | | | | | |
| RBU-1L36-7 | 3/4 | 497 | 0.90 | 17.3 | 13857 | 12181 | 11600 | 11019 | 9696 | | | | | | | |
| RBU-1H36-7 | 3/4 | 602 | 0.75 | 17.7 | 12279 | 10984 | 10571 | 10132 | 9055 | | | | | | | |
| RBU-1H36-7 | 3/4 | 639 | 0.90 | 19.4 | 13034 | 11803 | 11470 | 11076 | 10145 | 9049 | | | | | | |
| RBU-1L36-10 | 1 | 515 | 1.00 | 18.4 | 14359 | 12768 | 12227 | 11665 | 10504 | | | | | | | |
| RBU-1L36-10 | 1 | 551 | 1.23 | 20 | 15364 | 13924 | 13461 | 12937 | 11891 | | | | | | | |
| RBU-1H36-10 | 1 | 663 | 1.00 | 20 | 13523 | 12330 | 12047 | 11667 | 10817 | 9809 | | | | | | |
| RBU-1H36-10 | 1 | 704 | 1.20 | 22 | 14360 | 13224 | 12966 | 12662 | 11941 | 11048 | 10041 | | | | | |
| RBU-1H36-15 | 1½ | 760 | 1.50 | 25 | 15502 | 14433 | 14195 | 13956 | 13335 | 12611 | 11784 | | | | | |
| RBU-1H36-15 | 1½ | 806 | 1.80 | 28 | 16440 | 15419 | 15194 | 14969 | 14454 | 13829 | 13081 | 11825 | | | | |
| Level 2 Performance | | Max RPM | | L - 693 | H - 1014 | | Max Motor Frame Size - 184T | | | | | TS = RPM x 9.424 | | | | |
| RBU-2L36-15 | 1½ | 589 | 1.50 | 23 | 16423 | 15126 | 14702 | 14249 | 13267 | 12291 | | | | | | |
| RBU-2L36-15 | 1½ | 626 | 1.80 | 25 | 17454 | 16283 | 15884 | 15485 | 14579 | 13658 | 12653 | | | | | |
| RBU-2H36-15 | 1½ | 760 | 1.50 | 25 | 15502 | 14433 | 14195 | 13956 | 13335 | 12611 | 11784 | | | | | |
| RBU-2H36-15 | 1½ | 806 | 1.80 | 27 | 16440 | 15419 | 15194 | 14969 | 14454 | 13829 | 13081 | 11825 | | | | |
| RBU-2L36-20 | 2 | 649 | 2.01 | 27 | 18096 | 16996 | 16611 | 16226 | 15382 | 14491 | 13606 | | | | | |
| RBU-2L36-20 | 2 | 689 | 2.40 | 29 | 19211 | 18194 | 17865 | 17503 | 16756 | 15917 | 15081 | 13659 | | | | |
| RBU-2H36-20 | 2 | 836 | 2.01 | 29 | 17052 | 16059 | 15842 | 15625 | 15175 | 14572 | 13910 | 12761 | | | | |
| RBU-2H36-20 | 2 | 889 | 2.40 | 32 | 18133 | 17184 | 16980 | 16776 | 16368 | 15867 | 15300 | 14286 | 12176 | | | |
| RBU-2L36-30 | 3 | 693 | 2.44 | 29 | 19323 | 18312 | 17991 | 17630 | 16893 | 16058 | 15226 | 13839 | | | | |
| RBU-2H36-30 | 3 | 956 | 3.00 | 38 | 19500 | 18611 | 18408 | 18218 | 17839 | 17460 | 16948 | 16134 | 14446 | | | |
| RBU-2H36-30 | 3 | 1014 | 3.60 | 41 | 20683 | 19845 | 19636 | 19458 | 19100 | 18742 | 18349 | 17603 | 16144 | 14425 | | |
| Level 3 Performance | | Max RPM | | L - 976 | H - 1401 | | Max Motor Frame Size - 184T | | | | | TS = RPM x 9.424 | | | | |
| RBU-3L36-30 | 3 | 677 | 2.01 | 25 | 18205 | 16889 | 16573 | 16257 | 15391 | 14466 | | | | | | |
| RBU-3L36-30 | 3 | 774 | 3.00 | 31 | 20814 | 19650 | 19372 | 19096 | 18543 | 17787 | 16953 | 15800 | | | | |
| RBU-3L36-30 | 3 | 823 | 3.61 | 34 | 22132 | 21037 | 20769 | 20509 | 19988 | 19426 | 18641 | 17506 | | | | |
| RBU-3H36-30 | 3 | 971 | 2.00 | 35 | 16514 | 15825 | 15625 | 15471 | 14977 | 14480 | 13961 | 13208 | 11941 | 9760 | | |
| RBU-3H36-30 | 3 | 1108 | 3.00 | 42 | 18844 | 18240 | 18089 | 17938 | 17613 | 17180 | 16747 | 16073 | 14975 | 13923 | 12474 | |
| RBU-3H36-30 | 3 | 1181 | 3.61 | 47 | 20086 | 19519 | 19377 | 19235 | 18952 | 18589 | 18182 | 17568 | 16500 | 15518 | 14414 | 9248 |
| RBU-3L36-50 | 5 | 918 | 5.00 | 42 | 24686 | 23705 | 23460 | 23218 | 22751 | 22285 | 21819 | 20768 | 19095 | | | |
| RBU-3L36-50 | 5 | 976 | 6.01 | 61 | 26246 | 25323 | 25092 | 24862 | 24418 | 23979 | 23540 | 22727 | 21093 | | | |
| RBU-3H36-50 | 5 | 1315 | 5.01 | 60 | 22365 | 21856 | 21728 | 21601 | 21347 | 21092 | 20771 | 20223 | 19292 | 18333 | 17453 | 15377 |
| RBU-3H36-50 | 5 | 1401 | 6.00 | 66 | 23827 | 23350 | 23230 | 23111 | 22872 | 22633 | 22394 | 21893 | 21036 | 20140 | 19259 | 17598 |

Minimum CFM required to open dampers
Aluminum Dampers: 7620
Steel Dampers: 10980

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBU exhaust for installation type A: Free inlet, Free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBU-42 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|--------------------------|---------|--------|--|-----------------------------|-------|-------|-------|-------|-------|-------------------|--|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 2 Performance | | Max RPM L - 718 | | | | Max Motor Frame Size - 184T | | | | | | TS = RPM x 10.995 | | | | |
| RBU-2L42-5 | 1/2 | 275 | 0.33 | 11.6 | 12446 | | | | | | | | Minimum CFM required to open dampers Aluminum Dampers: 11050 Steel Dampers: 13550 | | | |
| RBU-2L42-5 | 1/2 | 316 | 0.50 | 12.8 | 14301 | | | | | | | | | | | |
| RBU-2L42-5 | 1/2 | 335 | 0.60 | 13.4 | 15161 | 11409 | | | | | | | | | | |
| RBU-2L42-7 | 3/4 | 361 | 0.75 | 14.4 | 16338 | 13030 | 11890 | | | | | | | | | |
| RBU-2L42-7 | 3/4 | 383 | 0.90 | 15.4 | 17333 | 14331 | 13290 | 12090 | | | | | | | | |
| RBU-2L42-10 | 1 | 397 | 1.01 | 16.1 | 17967 | 15143 | 14161 | 13125 | | | | | CFM values shown in black are the most efficient selections. Values shown in gray are not recommended. | | | |
| RBU-2L42-10 | 1 | 421 | 1.21 | 17.4 | 19053 | 16512 | 15601 | 14649 | 12281 | | | | | | | |
| RBU-2L42-15 | 1½ | 453 | 1.50 | 19.5 | 20502 | 18155 | 17455 | 16608 | 14792 | | | | | | | |
| RBU-2L42-15 | 1½ | 482 | 1.81 | 22 | 21814 | 19597 | 19067 | 18302 | 16656 | 14631 | | | | | | |
| RBU-2L42-20 | 2 | 499 | 2.01 | 23 | 22583 | 20435 | 19923 | 19279 | 17717 | 15962 | 11883 | | | | | |
| RBU-2L42-20 | 2 | 530 | 2.41 | 25 | 23986 | 21952 | 21470 | 20988 | 19585 | 18060 | 16186 | 11471 | | | | |
| RBU-2L42-30 | 3 | 571 | 3.01 | 27 | 25842 | 23938 | 23490 | 23043 | 21964 | 20616 | 19174 | 14572 | | | | |
| RBU-2L42-30 | 3 | 607 | 3.62 | 30 | 27471 | 25666 | 25245 | 24824 | 23982 | 22742 | 21442 | 19227 | 12914 | | | |
| RBU-2L42-50 | 5 | 676 | 5.00 | 35 | 30595 | 28970 | 28569 | 28191 | 27436 | 26680 | 25557 | 23808 | 20245 | 14263 | | |
| RBU-2L42-50 | 5 | 718 | 6.00 | 39 | 32495 | 30966 | 30584 | 30217 | 29505 | 28793 | 27966 | 26363 | 23522 | 17009 | 14105 | |
| Level 3 Performance | | Max RPM L - 775 H - 1011 | | | | Max Motor Frame Size - 215T | | | | | | TS = RPM x 10.995 | | | | |
| RBU-3L42-30 | 3 | 537 | 2.01 | 25 | 22044 | 20231 | 19719 | 19177 | 17928 | 16545 | | | | | | |
| RBU-3L42-30 | 3 | 615 | 3.01 | 31 | 25246 | 23726 | 23279 | 22832 | 21892 | 20801 | 19630 | | | | | |
| RBU-3L42-30 | 3 | 652 | 3.60 | 33 | 26765 | 25338 | 24941 | 24519 | 23676 | 22690 | 21661 | 19939 | | | | |
| RBU-3H42-30 | 3 | 700 | 2.00 | 36 | 19872 | 18765 | 18464 | 18159 | 17549 | 16846 | 16119 | 14705 | | | | |
| RBU-3H42-30 | 3 | 801 | 3.01 | 38 | 22740 | 21772 | 21530 | 21274 | 20741 | 20208 | 19613 | 18690 | 16639 | | | |
| RBU-3H42-30 | 3 | 849 | 3.60 | 43 | 24102 | 23189 | 22961 | 22733 | 22232 | 21730 | 21218 | 20347 | 18644 | 16386 | | |
| RBU-3L42-50 | 5 | 728 | 5.01 | 42 | 29885 | 28607 | 28288 | 27937 | 27181 | 26426 | 25550 | 24168 | | | | |
| RBU-3L42-50 | 5 | 775 | 6.02 | 43 | 31814 | 30614 | 30314 | 30014 | 29314 | 28605 | 27892 | 26594 | 24279 | | | |
| RBU-3H42-50 | 5 | 948 | 5.01 | 51 | 26913 | 26095 | 25891 | 25687 | 25270 | 24819 | 24369 | 23682 | 22383 | 20797 | 18814 | |
| RBU-3H42-50 | 5 | 1011 | 6.01 | 57 | 28701 | 27935 | 27743 | 27552 | 27168 | 26759 | 26336 | 25703 | 24539 | 23290 | 21671 | |

Minimum CFM required to open dampers
Aluminum Dampers: 11050
Steel Dampers: 13550

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

RBU-48 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|-------------------------|---------|--------|--|-----------------------------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 2 Performance | | Max RPM L - 594 | | | | Max Motor Frame Size - 184T | | | | | | TS = RPM x 12.566 | | | | |
| RBU-2L48-7 | 3/4 | 261 | 0.50 | 10.6 | 16691 | | | | | | | | | | | |
| RBU-2L48-7 | 3/4 | 298 | 0.75 | 11.0 | 19057 | 15205 | 14201 | | | | | | | | | |
| RBU-2L48-7 | 3/4 | 316 | 0.90 | 11.8 | 20208 | 16653 | 15648 | 14610 | | | | | | | | |
| RBU-2L48-10 | 1 | 328 | 1.01 | 12.3 | 20976 | 17648 | 16595 | 15683 | | | | | | | | |
| RBU-2L48-10 | 1 | 348 | 1.20 | 13.3 | 22255 | 19281 | 18174 | 17288 | 14879 | | | | | | | |
| RBU-2L48-15 | 1½ | 375 | 1.51 | 14.9 | 23981 | 21351 | 20412 | 19400 | 17805 | 14202 | | | | | | |
| RBU-2L48-15 | 1½ | 399 | 1.81 | 16.5 | 25516 | 23099 | 22356 | 21391 | 19737 | 17814 | 13772 | | | | | |
| RBU-2L48-20 | 2 | 413 | 2.01 | 17.4 | 26411 | 24110 | 23411 | 22541 | 20843 | 19394 | 15992 | | | | | |
| RBU-2L48-20 | 2 | 439 | 2.42 | 19.3 | 28074 | 25969 | 25311 | 24643 | 22889 | 21500 | 19740 | 14613 | | | | |
| RBU-2L48-30 | 3 | 473 | 3.02 | 22 | 30248 | 28373 | 27763 | 27153 | 25710 | 24183 | 22918 | 19952 | | | | |
| RBU-2L48-30 | 3 | 502 | 3.61 | 24 | 32103 | 30368 | 29828 | 29253 | 28062 | 26527 | 25227 | 23375 | 16326 | | | |
| RBU-2L48-50 | 5 | 559 | 5.00 | 28 | 35749 | 34190 | 33801 | 33319 | 32286 | 31193 | 29815 | 28028 | 24571 | 18001 | | |
| RBU-2L48-50 | 5 | 594 | 6.00 | 30 | 37987 | 36250 | 36154 | 35782 | 34810 | 33838 | 32687 | 30758 | 28240 | 22667 | | |
| Level 3 Performance | | Max RPM L - 690 H - 876 | | | | Max Motor Frame Size - 215T | | | | | | TS = RPM x 12.566 | | | | |
| RBU-3L48-30 | 3 | 418 | 2.00 | 18.3 | 27016 | 24137 | 23291 | 22402 | 20842 | 19062 | | | | | | |
| RBU-3L48-30 | 3 | 479 | 3.01 | 22 | 30959 | 28549 | 27839 | 27128 | 25577 | 24207 | 22920 | | | | | |
| RBU-3L48-30 | 3 | 509 | 3.62 | 24 | 32898 | 30682 | 30014 | 29346 | 27934 | 26500 | 25297 | 23058 | | | | |
| RBU-3H48-30 | 3 | 531 | 2.01 | 23 | 24276 | 22530 | 22071 | 21612 | 20590 | 19474 | 18247 | 16235 | | | | |
| RBU-3H48-30 | 3 | 607 | 3.00 | 27 | 27751 | 26236 | 25846 | 25444 | 24642 | 23757 | 22790 | 21224 | 18317 | | | |
| RBU-3H48-30 | 3 | 646 | 3.61 | 30 | 29534 | 28111 | 27755 | 27379 | 26625 | 25871 | 24977 | 23591 | 21001 | 15778 | | |
| RBU-3L48-50 | 5 | 567 | 5.00 | 31 | 36647 | 34693 | 34156 | 33557 | 32358 | 31069 | 29758 | 28121 | 24571 | | | |
| RBU-3L48-50 | 5 | 603 | 6.01 | 36 | 38974 | 37137 | 36678 | 36130 | 35003 | 33849 | 32616 | 30904 | 28111 | | | |
| RBU-3H48-50 | 5 | 721 | 5.01 | 36 | 32962 | 31688 | 31369 | 31050 | 30381 | 29705 | 29029 | 27856 | 25736 | 23395 | 18311 | |
| RBU-3H48-50 | 5 | 766 | 6.02 | 40 | 35020 | 33820 | 33520 | 33220 | 32604 | 31968 | 31332 | 30335 | 28418 | 26310 | 24002 | 15910 |
| RBU-3L48-75 | 7½ | 650 | 7.53 | 43 | 42012 | 40307 | 39881 | 39455 | 38409 | 37363 | 36270 | 34555 | 32102 | 29068 | | |
| RBU-3L48-75 | 7½ | 690 | 9.01 | 45 | 44597 | 42992 | 42590 | 42189 | 41272 | 40287 | 39302 | 37706 | 35203 | 32951 | 29650 | |
| RBU-3H48-75 | 7½ | 827 | 7.51 | 47 | 37809 | 36697 | 36419 | 36141 | 35586 | 35002 | 34413 | 33529 | 31857 | 30037 | 28067 | 20719 |
| RBU-3H48-75 | 7½ | 876 | 9.01 | 51 | 40049 | 38999 | 38737 | 38475 | 37950 | 37415 | 36859 | 36025 | 34563 | 32887 | 31091 | 27128 |

Minimum CFM required to open dampers
Aluminum Dampers: 12820
Steel Dampers: 16420

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBU exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBU-54 Belt Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|-------------------------|---------|--------|--|-----------------------------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 2 Performance | | Max RPM L - 508 | | | | Max Motor Frame Size - 184T | | | | | | TS = RPM x 14.135 | | | | |
| RBU-2L54-15 | 1½ | 291 | 1.20 | 13.0 | 26207 | | | | | | | | | | | |
| RBU-2L54-15 | 1½ | 312 | 1.50 | 13.7 | 28188 | 23395 | 22059 | | | | | | | | | |
| RBU-2L54-15 | 1½ | 333 | 1.80 | 15.1 | 29990 | 25737 | 24235 | 23072 | | | | | | | | |
| RBU-2L54-20 | 2 | 345 | 2.00 | 15.9 | 31070 | 27119 | 25569 | 24398 | | | | | | | | |
| RBU-2L54-20 | 2 | 366 | 2.40 | 17.4 | 32962 | 29339 | 28042 | 26679 | 24563 | | | | | | | |
| RBU-2L54-30 | 3 | 394 | 3.00 | 19.7 | 35483 | 32175 | 31245 | 29908 | 27691 | 24624 | | | | | | |
| RBU-2L54-30 | 3 | 419 | 3.60 | 22 | 37735 | 34675 | 33800 | 32808 | 30417 | 28568 | 23989 | | | | | |
| RBU-2L54-50 | 5 | 467 | 5.00 | 27 | 42058 | 39408 | 38623 | 37838 | 35942 | 33850 | 32191 | 26374 | | | | |
| RBU-2L54-50 | 5 | 496 | 6.00 | 30 | 44670 | 42213 | 41495 | 40756 | 39278 | 37122 | 35390 | 32782 | | | | |
| RBU-2L54-75 | 7½ | 508 | 6.43 | 34 | 45751 | 43351 | 42675 | 41954 | 40511 | 38535 | 36695 | 34407 | | | | |
| Level 3 Performance | | Max RPM L - 609 H - 811 | | | | Max Motor Frame Size - 254T | | | | | | TS = RPM x 14.135 | | | | |
| RBU-3L54-30 | 3 | 335 | 2.00 | 16.2 | 30925 | 26501 | 25269 | 23490 | 16417 | | | | | | | |
| RBU-3L54-30 | 3 | 384 | 3.00 | 20 | 35449 | 31779 | 30652 | 29577 | 26739 | | | | | | | |
| RBU-3L54-30 | 3 | 408 | 3.60 | 22 | 37664 | 34327 | 33238 | 32208 | 29974 | 25220 | | | | | | |
| RBU-3H54-30 | 3 | 447 | 2.00 | 24 | 28713 | 26320 | 25571 | 24730 | 22982 | 21344 | | | | | | |
| RBU-3H54-30 | 3 | 513 | 3.00 | 28 | 32952 | 31033 | 30381 | 29729 | 28306 | 26758 | 25333 | 23118 | | | | |
| RBU-3H54-30 | 3 | 545 | 3.60 | 31 | 35008 | 33227 | 32671 | 32057 | 30827 | 29358 | 27948 | 25928 | 21582 | | | |
| RBU-3L54-50 | 5 | 455 | 5.00 | 27 | 42003 | 39165 | 38257 | 37280 | 35431 | 33358 | 29831 | 22057 | | | | |
| RBU-3L54-50 | 5 | 483 | 6.00 | 30 | 44588 | 41915 | 41194 | 40274 | 38478 | 36769 | 34474 | 25203 | 20392 | | | |
| RBU-3H54-50 | 5 | 608 | 5.00 | 37 | 39054 | 37458 | 37059 | 36570 | 35470 | 34362 | 33046 | 31140 | 28079 | 23949 | | |
| RBU-3H54-50 | 5 | 644 | 6.00 | 39 | 41367 | 39860 | 39483 | 39107 | 38077 | 37038 | 35912 | 34047 | 31184 | 28206 | 19448 | |
| RBU-3L54-75 | 7½ | 521 | 7.50 | 35 | 48096 | 45618 | 44998 | 44280 | 42574 | 40958 | 39373 | 35954 | 24966 | | | |
| RBU-3L54-75 | 7½ | 553 | 9.00 | 40 | 51050 | 48715 | 48131 | 47548 | 46003 | 44418 | 42926 | 40287 | 28579 | 24473 | | |
| RBU-3H54-75 | 7½ | 693 | 7.50 | 43 | 44514 | 43114 | 42764 | 42414 | 41584 | 40618 | 39653 | 38006 | 35223 | 32553 | 29766 | |
| RBU-3H54-75 | 7½ | 740 | 9.00 | 47 | 47533 | 46222 | 45894 | 45566 | 44911 | 44007 | 43103 | 41721 | 39017 | 36528 | 33981 | 22199 |
| RBU-3L54-100 | 10 | 573 | 10.0 | 44 | 52897 | 50643 | 50080 | 49516 | 48124 | 46573 | 45115 | 42937 | 34455 | 26817 | | |
| RBU-3L54-100 | 10 | 609 | 12.0 | 50 | 56220 | 54100 | 53570 | 53039 | 51903 | 50444 | 49003 | 46970 | 42530 | 30918 | 27190 | |
| RBU-3H54-100 | 10 | 766 | 10.0 | 50 | 49204 | 47937 | 47620 | 47303 | 46670 | 45866 | 44992 | 43682 | 41135 | 38664 | 36256 | 29878 |
| RBU-3H54-100 | 10 | 811 | 12.0 | 54 | 52094 | 50898 | 50598 | 50299 | 49701 | 49059 | 48234 | 46997 | 44746 | 42298 | 40045 | 35352 |

Minimum CFM required to open dampers
Aluminum Dampers: 21430
Steel Dampers: 31000

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

RBU-60 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | | |
|---------------------|----------|---------|---------|--------|--|---------|-------|-----------------------------|-------|-------|-------|-------|-------------------|--|-------|-------|--|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 | |
| Level 3 Performance | | Max RPM | | | L - 504 | H - 673 | | Max Motor Frame Size - 256T | | | | | TS = RPM x 15.691 | | | | |
| RBU-3L60-30 | 3 | 277 | 2.00 | 17.0 | 35353 | 29021 | 27128 | | | | | | | Minimum CFM required to open dampers Aluminum Dampers: 24820 Steel Dampers: 45000 | | | |
| RBU-3L60-30 | 3 | 318 | 3.00 | 19.8 | 40586 | 35413 | 33765 | 32116 | | | | | | | | | |
| RBU-3L60-30 | 3 | 337 | 3.60 | 20 | 43011 | 38296 | 36739 | 35184 | 32072 | | | | | | | | |
| RBU-3H60-30 | 3 | 369 | 2.00 | 22 | 32156 | 28854 | 27906 | 26920 | 24874 | | | | | | | | |
| RBU-3H60-30 | 3 | 422 | 3.00 | 25 | 36775 | 33999 | 33187 | 32374 | 30655 | 28874 | 26945 | | | CFM values shown in black are the most efficient selections. Values shown in gray are not recommended. | | | |
| RBU-3H60-30 | 3 | 448 | 3.60 | 26 | 39041 | 36483 | 35718 | 34952 | 33369 | 31744 | 30018 | 27055 | | | | | |
| RBU-3L60-50 | 5 | 376 | 5.00 | 22 | 47989 | 44104 | 42699 | 41303 | 38515 | 35633 | | | | | | | |
| RBU-3L60-50 | 5 | 400 | 6.00 | 24 | 51052 | 47615 | 46295 | 44975 | 42355 | 39733 | | | | | | | |
| RBU-3H60-50 | 5 | 499 | 5.00 | 30 | 43486 | 41290 | 40611 | 39923 | 38549 | 37113 | 35654 | 33347 | 28714 | | | | |
| RBU-3H60-50 | 5 | 532 | 6.00 | 32 | 46361 | 44302 | 43737 | 43092 | 41803 | 40503 | 39134 | 37055 | 33147 | | | | |
| RBU-3L60-75 | 7½ | 431 | 7.50 | 27 | 55008 | 51974 | 50869 | 49644 | 47204 | 44772 | 42338 | | | | | | |
| RBU-3L60-75 | 7½ | 458 | 9.00 | 31 | 58454 | 55599 | 54801 | 53648 | 51344 | 49055 | 46766 | | | | | | |
| RBU-3H60-75 | 7½ | 571 | 7.50 | 36 | 49760 | 47841 | 47362 | 46799 | 45598 | 44397 | 43166 | 41253 | 37914 | 33961 | | | |
| RBU-3H60-75 | 7½ | 607 | 9.00 | 40 | 52897 | 51093 | 50641 | 50190 | 49060 | 47930 | 46801 | 45024 | 41976 | 38624 | | | |
| RBU-3L60-100 | 10 | 474 | 10.0 | 33 | 60496 | 57738 | 57048 | 55997 | 53769 | 51555 | 49343 | 46024 | | | | | |
| RBU-3L60-100 | 10 | 504 | 12.0 | 43 | 64325 | 61731 | 61082 | 60362 | 58266 | 56176 | 54096 | 50976 | | | | | |
| RBU-3H60-100 | 10 | 629 | 10.0 | 43 | 54815 | 53073 | 52637 | 52202 | 51160 | 50070 | 48980 | 47297 | 44403 | 41312 | 37663 | | |
| RBU-3H60-100 | 10 | 673 | 12.0 | 48 | 58475 | 56842 | 56434 | 56026 | 55141 | 54119 | 53097 | 51563 | 48865 | 46076 | 43082 | 35057 | |

Minimum CFM required to open dampers
Aluminum Dampers: 24820
Steel Dampers: 45000

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBU exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBUMO-20 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|---------|---------|----------|--|-------|-----------------------------|-------|-------|-------|-------|------------------|--|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 1 Performance | | Max RPM | | L - 1060 | H - 1393 | | Max Motor Frame Size - 56 | | | | | TS = RPM x 5.236 | | | | |
| RBUMO-1L20-4 | 1/4 | 730 | 0.18 | 11.2 | 3303 | | | | | | | | Minimum CFM required to open dampers Aluminum Dampers: 3170 Steel Dampers: 4090 | | | |
| RBUMO-1L20-4 | 1/4 | 815 | 0.25 | 13.2 | 3688 | | | | | | | | | | | |
| RBUMO-1L20-4 | 1/4 | 842 | 0.28 | 13.9 | 3810 | | | | | | | | | | | |
| RBUMO-1L20-3 | 1/3 | 897 | 0.33 | 15.0 | 4059 | 3268 | | | | | | | CFM values shown in black are the most efficient selections. Values shown in gray are not recommended. | | | |
| RBUMO-1L20-3 | 1/3 | 926 | 0.36 | 15.5 | 4190 | 3442 | | | | | | | | | | |
| RBUMO-1H20-3 | 1/3 | 1138 | 0.30 | 17.0 | 3217 | | | | | | | | | | | |
| RBUMO-1H20-3 | 1/3 | 1178 | 0.33 | 17.3 | 3330 | | | | | | | | | | | |
| RBUMO-1H20-3 | 1/3 | 1216 | 0.36 | 17.6 | 3437 | | | | | | | | | | | |
| RBUMO-1L20-5 | 1/2 | 1027 | 0.50 | 17.6 | 4647 | 3970 | 3804 | 3539 | | | | | | | | |
| RBUMO-1L20-5 | 1/2 | 1060 | 0.55 | 18.3 | 4797 | 4139 | 3979 | 3754 | | | | | | | | |
| RBUMO-1H20-5 | 1/2 | 1349 | 0.50 | 18.9 | 3813 | 3425 | 3339 | 3252 | | | | | | | | |
| RBUMO-1H20-5 | 1/2 | 1393 | 0.55 | 19.6 | 3937 | 3559 | 3475 | 3391 | 3224 | | | | | | | |
| Level 2 Performance | | Max RPM | | L - 1214 | H - 1594 | | Max Motor Frame Size - 145T | | | | | TS = RPM x 5.236 | | | | |
| RBUMO-2L20-5 | 1/2 | 1027 | 0.50 | 17.6 | 4647 | 3970 | 3804 | 3539 | | | | | | | | |
| RBUMO-2L20-5 | 1/2 | 1060 | 0.55 | 18.3 | 4797 | 4139 | 3979 | 3754 | | | | | | | | |
| RBUMO-2H20-5 | 1/2 | 1349 | 0.50 | 18.9 | 3813 | 3425 | 3339 | 3252 | | | | | | | | |
| RBUMO-2H20-5 | 1/2 | 1393 | 0.55 | 19.6 | 3937 | 3559 | 3475 | 3391 | 3224 | | | | | | | |
| RBUMO-2L20-7 | 3/4 | 1176 | 0.75 | 21 | 5322 | 4722 | 4581 | 4437 | 4021 | | | | | | | |
| RBUMO-2L20-7 | 3/4 | 1214 | 0.83 | 22 | 5494 | 4909 | 4775 | 4635 | 4270 | | | | | | | |
| RBUMO-2H20-7 | 3/4 | 1544 | 0.75 | 22 | 4364 | 4013 | 3938 | 3863 | 3711 | 3560 | 3398 | | | | | |
| RBUMO-2H20-7 | 3/4 | 1594 | 0.83 | 23 | 4506 | 4163 | 4090 | 4017 | 3870 | 3724 | 3570 | 3332 | | | | |

Minimum CFM required to open dampers
Aluminum Dampers: 3170
Steel Dampers: 4090

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

RBUMO-24 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | | | |
|---------------------|----------|---------|---------|----------|--|-------|-----------------------------|-------|-------|-------|-------|-------|------------------|-------|-------|-------|--|--|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 | | |
| Level 1 Performance | | Max RPM | | L - 809 | H - 1259 | | Max Motor Frame Size - 56 | | | | | | TS = RPM x 6.283 | | | | | |
| RBUMO-1L24-3 | 1/3 | 630 | 0.30 | 14.3 | 5093 | 4143 | | | | | | | | | | | | |
| RBUMO-1L24-3 | 1/3 | 650 | 0.33 | 14.6 | 5255 | 4339 | 4051 | | | | | | | | | | | |
| RBUMO-1L24-3 | 1/3 | 671 | 0.36 | 15.0 | 5425 | 4538 | 4278 | 3984 | | | | | | | | | | |
| RBUMO-1H24-3 | 1/3 | 896 | 0.30 | 15.0 | 4654 | 4113 | | | | | | | | | | | | |
| RBUMO-1H24-3 | 1/3 | 921 | 0.33 | 16.0 | 4784 | 4259 | 4107 | | | | | | | | | | | |
| RBUMO-1H24-3 | 1/3 | 949 | 0.36 | 16.9 | 4929 | 4420 | 4285 | 4113 | | | | | | | | | | |
| RBUMO-1L24-5 | 1/2 | 747 | 0.50 | 17.1 | 6040 | 5248 | 5044 | 4814 | | | | | | | | | | |
| RBUMO-1L24-5 | 1/2 | 771 | 0.55 | 17.7 | 6234 | 5468 | 5270 | 5068 | 4558 | | | | | | | | | |
| RBUMO-1H24-5 | 1/2 | 1058 | 0.50 | 18.8 | 5495 | 5042 | 4925 | 4808 | 4502 | 4205 | | | | | | | | |
| RBUMO-1H24-5 | 1/2 | 1097 | 0.55 | 19.5 | 5698 | 5262 | 5149 | 5036 | 4757 | 4468 | 4174 | | | | | | | |
| RBUMO-1L24-7 | 3/4 | 809 | 0.64 | 19.0 | 6541 | 5823 | 5626 | 5437 | 4981 | 4485 | | | | | | | | |
| RBUMO-1H24-7 | 3/4 | 1215 | 0.75 | 23 | 6311 | 5921 | 5818 | 5716 | 5512 | 5244 | 4983 | 4581 | | | | | | |
| RBUMO-1H24-7 | 3/4 | 1259 | 0.83 | 24 | 6540 | 6164 | 6065 | 5967 | 5770 | 5530 | 5273 | 4900 | | | | | | |
| Level 2 Performance | | Max RPM | | L - 883 | H - 1377 | | Max Motor Frame Size - 145T | | | | | | TS = RPM x 6.283 | | | | | |
| RBUMO-2L24-7 | 3/4 | 855 | 0.75 | 21 | 6913 | 6251 | 6050 | 5871 | 5478 | 5016 | | | | | | | | |
| RBUMO-2L24-7 | 3/4 | 883 | 0.83 | 22 | 7139 | 6509 | 6308 | 6133 | 5776 | 5332 | | | | | | | | |
| RBUMO-2H24-7 | 3/4 | 1215 | 0.75 | 22 | 6311 | 5921 | 5818 | 5716 | 5512 | 5244 | 4983 | 4581 | | | | | | |
| RBUMO-2H24-7 | 3/4 | 1259 | 0.83 | 23 | 6540 | 6164 | 6065 | 5967 | 5770 | 5530 | 5273 | 4900 | | | | | | |
| RBUMO-2H24-10 | 1 | 1328 | 1.00 | 27 | 6898 | 6542 | 6451 | 6357 | 6170 | 5971 | 5725 | 5368 | 4723 | | | | | |
| RBUMO-2H24-10 | 1 | 1377 | 1.10 | 29 | 7153 | 6809 | 6722 | 6632 | 6452 | 6272 | 6043 | 5694 | 5096 | | | | | |
| Level 3 Performance | | Max RPM | | L - 1089 | H - 1370 | | Max Motor Frame Size - 145T | | | | | | TS = RPM x 6.283 | | | | | |
| RBUMO-3L24-10 | 1 | 959 | 0.75 | 19.4 | 6892 | 6228 | 6069 | 5870 | 5421 | 4893 | | | | | | | | |
| RBUMO-3L24-10 | 1 | 1055 | 1.00 | 22 | 7582 | 6968 | 6830 | 6686 | 6324 | 5893 | 5409 | | | | | | | |
| RBUMO-3L24-10 | 1 | 1089 | 1.10 | 23 | 7826 | 7227 | 7094 | 6960 | 6619 | 6223 | 5777 | | | | | | | |
| RBUMO-3H24-10 | 1 | 1210 | 0.75 | 21 | 6326 | 5913 | 5800 | 5687 | 5458 | 5216 | 4952 | 4496 | | | | | | |
| RBUMO-3H24-10 | 1 | 1326 | 1.00 | 24 | 6933 | 6560 | 6459 | 6357 | 6151 | 5938 | 5717 | 5355 | 4595 | | | | | |
| RBUMO-3H24-10 | 1 | 1370 | 1.10 | 26 | 7163 | 6802 | 6707 | 6608 | 6409 | 6207 | 5994 | 5652 | 4968 | | | | | |

Minimum CFM required to open dampers
Aluminum Dampers: 3950
Steel Dampers: 5220

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBUMO exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBUMO-30 Belt Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|---------|---------|----------|--|-------|-----------------------------|-------|-------|-------|-------|------------------|--|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 1 Performance | | Max RPM | | L - 696 | H - 929 | | Max Motor Frame Size - 56 | | | | | TS = RPM x 7.854 | | | | |
| RBUMO-1L30-3 | 1/3 | 481 | 0.30 | 11.3 | 6936 | | | | | | | | Minimum CFM required to open dampers Aluminum Dampers: 6050 Steel Dampers: 7130 | | | |
| RBUMO-1L30-3 | 1/3 | 496 | 0.33 | 11.6 | 7153 | | | | | | | | | | | |
| RBUMO-1L30-3 | 1/3 | 512 | 0.36 | 12.1 | 7383 | | | | | | | | | | | |
| RBUMO-1H30-3 | 1/3 | 603 | 0.30 | 12.6 | 6634 | | | | | | | | | | | |
| RBUMO-1H30-3 | 1/3 | 623 | 0.34 | 13.2 | 6854 | | | | | | | | | | | |
| RBUMO-1H30-3 | 1/3 | 640 | 0.36 | 13.7 | 7041 | | | | | | | | CFM values shown in black are the most efficient selections. Values shown in gray are not recommended. | | | |
| RBUMO-1L30-5 | 1/2 | 570 | 0.50 | 13.7 | 8220 | 6787 | 6349 | | | | | | | | | |
| RBUMO-1L30-5 | 1/2 | 588 | 0.55 | 14.2 | 8480 | 7097 | 6696 | 6238 | | | | | | | | |
| RBUMO-1H30-5 | 1/2 | 719 | 0.50 | 16.8 | 7910 | 6915 | 6669 | 6422 | | | | | | | | |
| RBUMO-1H30-5 | 1/2 | 735 | 0.55 | 17.5 | 8086 | 7113 | 6871 | 6630 | | | | | | | | |
| RBUMO-1L30-7 | 3/4 | 652 | 0.75 | 17.2 | 9403 | 8180 | 7842 | 7486 | | | | | | | | |
| RBUMO-1L30-7 | 3/4 | 673 | 0.82 | 17.9 | 9705 | 8529 | 8202 | 7875 | 7064 | | | | | | | |
| RBUMO-1H30-7 | 3/4 | 814 | 0.75 | 21 | 8956 | 8082 | 7857 | 7639 | 7194 | 6644 | | | | | | |
| RBUMO-1H30-7 | 3/4 | 844 | 0.82 | 23 | 9286 | 8445 | 8228 | 8015 | 7594 | 7088 | | | | | | |
| RBUMO-1L30-10 | 1 | 696 | 0.91 | 18.0 | 10038 | 8806 | 8593 | 8276 | 7542 | | | | | | | |
| RBUMO-1H30-10 | 1 | 897 | 1.00 | 25 | 9869 | 9081 | 8877 | 8672 | 8276 | 7857 | 7358 | | | | | |
| RBUMO-1H30-10 | 1 | 929 | 1.10 | 26 | 10221 | 9462 | 9265 | 9068 | 8683 | 8300 | 7830 | | | | | |
| Level 2 Performance | | Max RPM | | L - 933 | H - 1167 | | Max Motor Frame Size - 184T | | | | | TS = RPM x 7.854 | | | | |
| RBUMO-2L30-10 | 1 | 718 | 1.00 | 19.0 | 10354 | 9263 | 8962 | 8656 | 7973 | | | | | | | |
| RBUMO-2L30-10 | 1 | 741 | 1.10 | 20 | 10686 | 9634 | 9346 | 9049 | 8417 | 7594 | | | | | | |
| RBUMO-2H30-10 | 1 | 897 | 1.00 | 24 | 9869 | 9081 | 8877 | 8672 | 8276 | 7857 | 7358 | | | | | |
| RBUMO-2H30-10 | 1 | 929 | 1.10 | 25 | 10221 | 9462 | 9265 | 9068 | 8683 | 8300 | 7830 | | | | | |
| RBUMO-2L30-15 | 1½ | 822 | 1.50 | 23 | 11854 | 10925 | 10667 | 10409 | 9873 | 9287 | 8593 | | | | | |
| RBUMO-2L30-15 | 1½ | 848 | 1.65 | 24 | 12229 | 11335 | 11085 | 10835 | 10319 | 9785 | 9149 | | | | | |
| RBUMO-2H30-15 | 1½ | 1029 | 1.50 | 29 | 11321 | 10642 | 10464 | 10286 | 9931 | 9585 | 9240 | 8613 | | | | |
| RBUMO-2H30-15 | 1½ | 1066 | 1.65 | 30 | 11728 | 11075 | 10904 | 10732 | 10388 | 10052 | 9719 | 9153 | | | | |
| RBUMO-2L30-20 | 2 | 904 | 2.00 | 27 | 13037 | 12211 | 11977 | 11743 | 11266 | 10779 | 10241 | 9206 | | | | |
| RBUMO-2L30-20 | 2 | 933 | 2.20 | 28 | 13455 | 12662 | 12435 | 12208 | 11751 | 11279 | 10796 | 9930 | | | | |
| RBUMO-2H30-20 | 2 | 1137 | 2.00 | 32 | 12509 | 11897 | 11741 | 11580 | 11257 | 10937 | 10624 | 10156 | 9183 | | | |
| RBUMO-2H30-20 | 2 | 1167 | 2.20 | 32 | 12839 | 12243 | 12092 | 11935 | 11621 | 11307 | 11002 | 10546 | 9632 | | | |
| Level 3 Performance | | Max RPM | | L - 1109 | H - 1420 | | Max Motor Frame Size - 184T | | | | | TS = RPM x 7.854 | | | | |
| RBUMO-3L30-20 | 2 | 853 | 1.50 | 30 | 12059 | 11008 | 10740 | 10485 | 9979 | 9171 | | | | | | |
| RBUMO-3L30-20 | 2 | 939 | 2.01 | 29 | 13275 | 12324 | 12081 | 11837 | 11374 | 10897 | 10141 | | | | | |
| RBUMO-3L30-20 | 2 | 969 | 2.20 | 30 | 13699 | 12779 | 12543 | 12307 | 11853 | 11408 | 10750 | 9296 | | | | |
| RBUMO-3H30-20 | 2 | 1092 | 1.50 | 35 | 11707 | 11118 | 10955 | 10785 | 10444 | 10096 | 9745 | 9194 | 8246 | 6997 | | |
| RBUMO-3H30-20 | 2 | 1202 | 2.00 | 37 | 12886 | 12351 | 12218 | 12068 | 11758 | 11449 | 11132 | 10654 | 9809 | 8943 | 7779 | |
| RBUMO-3H30-20 | 2 | 1240 | 2.20 | 39 | 13293 | 12775 | 12646 | 12507 | 12207 | 11907 | 11603 | 11139 | 10331 | 9496 | 8523 | |
| RBUMO-3L30-30 | 3 | 1074 | 3.00 | 35 | 15183 | 14357 | 14145 | 13933 | 13507 | 13103 | 12701 | 11830 | | | | |
| RBUMO-3L30-30 | 3 | 1109 | 3.30 | 36 | 15678 | 14878 | 14675 | 14469 | 14056 | 13569 | 13270 | 12533 | | | | |
| RBUMO-3H30-30 | 3 | 1376 | 3.01 | 47 | 14751 | 14284 | 14168 | 14051 | 13796 | 13526 | 13255 | 12844 | 12148 | 11409 | 10657 | |
| RBUMO-3H30-30 | 3 | 1420 | 3.30 | 49 | 15223 | 14771 | 14657 | 14544 | 14306 | 14044 | 13782 | 13387 | 12712 | 12008 | 11284 | |

Minimum CFM required to open dampers
Aluminum Dampers: 6050
Steel Dampers: 7130

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBUMO exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBUMO-36 Belt Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|---------|---------|---------|--|-------|-----------------------------|-------|-------|-------|-------|-------|------------------|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 1 Performance | | Max RPM | | L - 551 | H - 784 | | Max Motor Frame Size - 145T | | | | | | TS = RPM x 9.424 | | | |
| RBUMO-1L36-5 | 1/2 | 355 | 0.33 | 10.7 | 9535 | | | | | | | | | | | |
| RBUMO-1L36-5 | 1/2 | 408 | 0.50 | 12.8 | 10958 | 8903 | 8176 | | | | | | | | | |
| RBUMO-1L36-5 | 1/2 | 421 | 0.55 | 13.3 | 11308 | 9343 | 8665 | 7961 | | | | | | | | |
| RBUMO-1H36-5 | 1/2 | 418 | 0.33 | 13.0 | 9075 | | | | | | | | | | | |
| RBUMO-1H36-5 | 1/2 | 528 | 0.50 | 14.9 | 10439 | 8778 | 8321 | 7853 | | | | | | | | |
| RBUMO-1H36-5 | 1/2 | 546 | 0.55 | 15.8 | 10795 | 9198 | 8762 | 8309 | | | | | | | | |
| RBUMO-1L36-7 | 3/4 | 467 | 0.75 | 15.6 | 12543 | 10864 | 10322 | 9708 | | | | | | | | |
| RBUMO-1L36-7 | 3/4 | 482 | 0.82 | 16.4 | 12946 | 11350 | 10825 | 10261 | 9031 | | | | | | | |
| RBUMO-1H36-7 | 3/4 | 603 | 0.75 | 17.8 | 11922 | 10502 | 10111 | 9717 | 8897 | | | | | | | |
| RBUMO-1H36-7 | 3/4 | 623 | 0.82 | 18.8 | 12318 | 10943 | 10575 | 10193 | 9406 | 8277 | | | | | | |
| RBUMO-1L36-10 | 1 | 514 | 1.00 | 18.3 | 13806 | 12331 | 11881 | 11389 | 10264 | | | | | | | |
| RBUMO-1L36-10 | 1 | 530 | 1.10 | 19.3 | 14234 | 12800 | 12402 | 11925 | 10866 | | | | | | | |
| RBUMO-1H36-10 | 1 | 664 | 1.00 | 21 | 13128 | 11839 | 11514 | 11156 | 10430 | 9646 | | | | | | |
| RBUMO-1H36-10 | 1 | 685 | 1.10 | 22 | 13543 | 12294 | 11981 | 11642 | 10945 | 10224 | 9153 | | | | | |
| RBUMO-1L36-15 | 1½ | 551 | 1.24 | 20 | 14800 | 13414 | 13080 | 12620 | 11645 | 10569 | | | | | | |
| RBUMO-1H36-15 | 1½ | 760 | 1.50 | 25 | 15026 | 13900 | 13618 | 13336 | 12725 | 12094 | 11444 | 10035 | | | | |
| RBUMO-1H36-15 | 1½ | 784 | 1.65 | 27 | 15501 | 14410 | 14136 | 13863 | 13283 | 12677 | 12048 | 10846 | | | | |
| Level 2 Performance | | Max RPM | | L - 693 | H - 988 | | Max Motor Frame Size - 184T | | | | | | TS = RPM x 9.424 | | | |
| RBUMO-2L36-15 | 1½ | 588 | 1.50 | 23 | 15793 | 14484 | 14178 | 13826 | 12965 | 11978 | 10970 | | | | | |
| RBUMO-2L36-15 | 1½ | 607 | 1.65 | 24 | 16304 | 15029 | 14733 | 14437 | 13603 | 12686 | 11709 | | | | | |
| RBUMO-2H36-15 | 1½ | 760 | 1.50 | 25 | 15026 | 13900 | 13618 | 13336 | 12725 | 12094 | 11444 | 10035 | | | | |
| RBUMO-2H36-15 | 1½ | 784 | 1.65 | 26 | 15501 | 14410 | 14136 | 13863 | 13283 | 12677 | 12048 | 10846 | | | | |
| RBUMO-2L36-20 | 2 | 647 | 2.00 | 26 | 17378 | 16171 | 15893 | 15615 | 14926 | 14143 | 13229 | | | | | |
| RBUMO-2L36-20 | 2 | 668 | 2.20 | 28 | 17942 | 16767 | 16498 | 16229 | 15610 | 14852 | 14010 | 12679 | | | | |
| RBUMO-2H36-20 | 2 | 838 | 2.00 | 29 | 16569 | 15548 | 15292 | 15036 | 14521 | 13954 | 13382 | 12498 | | | | |
| RBUMO-2H36-20 | 2 | 868 | 2.20 | 31 | 17162 | 16177 | 15930 | 15683 | 15188 | 14653 | 14106 | 13256 | | | | |
| RBUMO-2L36-30 | 3 | 693 | 2.46 | 29 | 18614 | 17474 | 17215 | 16955 | 16418 | 15687 | 14926 | 13643 | | | | |
| RBUMO-2H36-30 | 3 | 958 | 3.00 | 38 | 18941 | 18049 | 17826 | 17602 | 17154 | 16706 | 16217 | 15473 | 14185 | | | |
| RBUMO-2H36-30 | 3 | 988 | 3.30 | 39 | 19534 | 18669 | 18453 | 18236 | 17802 | 17368 | 16908 | 16187 | 14947 | 13188 | | |
| Level 3 Performance | | Max RPM | | L - 943 | H - 1343 | | Max Motor Frame Size - 184T | | | | | | TS = RPM x 9.424 | | | |
| RBUMO-3L36-30 | 3 | 673 | 2.00 | 25 | 17382 | 16106 | 15785 | 15464 | 14730 | 13897 | 12837 | | | | | |
| RBUMO-3L36-30 | 3 | 770 | 3.00 | 31 | 19887 | 18774 | 18494 | 18213 | 17625 | 17013 | 16336 | 15016 | | | | |
| RBUMO-3L36-30 | 3 | 795 | 3.30 | 32 | 20533 | 19455 | 19184 | 18912 | 18369 | 17782 | 17126 | 15947 | | | | |
| RBUMO-3H36-30 | 3 | 959 | 2.00 | 34 | 16023 | 15406 | 15251 | 15079 | 14580 | 14083 | 13597 | 12850 | 11447 | 9259 | | |
| RBUMO-3H36-30 | 3 | 1095 | 3.00 | 41 | 18296 | 17755 | 17620 | 17484 | 17179 | 16742 | 16305 | 15662 | 14568 | 13377 | 11856 | |
| RBUMO-3H36-30 | 3 | 1131 | 3.30 | 44 | 18897 | 18374 | 18243 | 18112 | 17850 | 17434 | 17011 | 16384 | 15349 | 14222 | 12896 | |
| RBUMO-3L36-50 | 5 | 913 | 5.00 | 42 | 23580 | 22642 | 22407 | 22172 | 21699 | 21226 | 20753 | 19904 | 18230 | | | |
| RBUMO-3L36-50 | 5 | 943 | 5.50 | 49 | 24355 | 23447 | 23219 | 22992 | 22534 | 22076 | 21618 | 20835 | 19334 | | | |
| RBUMO-3H36-50 | 5 | 1299 | 5.00 | 57 | 21704 | 21248 | 21134 | 21020 | 20793 | 20565 | 20243 | 19690 | 18779 | 17881 | 16919 | 14710 |
| RBUMO-3H36-50 | 5 | 1343 | 5.51 | 61 | 22439 | 21999 | 21888 | 21778 | 21558 | 21337 | 21076 | 20541 | 19655 | 18786 | 17884 | 15849 |

Minimum CFM required to open dampers
Aluminum Dampers: 7620
Steel Dampers: 10980

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBUMO exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBUMO-42 Belt Drive



| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|-------------------------|---------|--------|--|-------|-------|-------|-------|-------|-------------------|-------|--|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 2 Performance | | Max RPM L - 701 | | | Max Motor Frame Size - 184T | | | | | | TS = RPM x 10.995 | | | | | |
| RBUMO-2L42-7 | 3/4 | 337 | 0.60 | 13.5 | 14246 | | | | | | | | Minimum CFM required to open dampers Aluminum Dampers: 11050 Steel Dampers: 13550 | | | |
| RBUMO-2L42-7 | 3/4 | 362 | 0.75 | 14.4 | 15303 | 12390 | 11490 | | | | | | | | | |
| RBUMO-2L42-7 | 3/4 | 374 | 0.82 | 15.0 | 15810 | 13024 | 12164 | 11242 | | | | | | | | |
| RBUMO-2L42-10 | 1 | 398 | 1.01 | 16.2 | 16825 | 14273 | 13487 | 12668 | | | | | | | | |
| RBUMO-2L42-10 | 1 | 411 | 1.10 | 16.9 | 17374 | 14940 | 14185 | 13398 | 11671 | | | | | | | |
| RBUMO-2L42-15 | 1½ | 456 | 1.50 | 19.7 | 19277 | 17180 | 16524 | 15483 | 14426 | 12825 | | | CFM values shown in black are the most efficient selections. Values shown in gray are not recommended. | | | |
| RBUMO-2L42-15 | 1½ | 470 | 1.65 | 21 | 19869 | 17859 | 17237 | 16577 | 15215 | 13713 | 11983 | | | | | |
| RBUMO-2L42-20 | 2 | 501 | 2.00 | 23 | 21179 | 19346 | 18778 | 18176 | 16927 | 15626 | 14143 | 11546 | | | | |
| RBUMO-2L42-20 | 2 | 517 | 2.20 | 24 | 21856 | 20107 | 19557 | 18990 | 17790 | 16534 | 15156 | 12776 | | | | |
| RBUMO-2L42-30 | 3 | 574 | 3.01 | 28 | 24265 | 22786 | 22290 | 21794 | 20758 | 19677 | 18543 | 16692 | | 12952 | | |
| RBUMO-2L42-30 | 3 | 592 | 3.30 | 29 | 25026 | 23606 | 23142 | 22661 | 21676 | 20628 | 19545 | 17816 | 14385 | | | |
| RBUMO-2L42-50 | 5 | 679 | 5.00 | 35 | 28705 | 27466 | 27157 | 26785 | 25947 | 25101 | 24187 | 22795 | 20289 | 17341 | | |
| RBUMO-2L42-50 | 5 | 701 | 5.50 | 38 | 29635 | 28435 | 28136 | 27814 | 27002 | 26190 | 25321 | 23993 | 21646 | 18927 | 15694 | |
| Level 3 Performance | | Max RPM L - 750 H - 960 | | | Max Motor Frame Size - 215T | | | | | | TS = RPM x 10.995 | | | | | |
| RBUMO-3L42-30 | 3 | 535 | 2.00 | 25 | 21165 | 19193 | 18692 | 18160 | 17045 | 15706 | 14134 | | | | | |
| RBUMO-3L42-30 | 3 | 613 | 3.01 | 31 | 24251 | 22536 | 22100 | 21665 | 20750 | 19821 | 18665 | 16712 | | | | |
| RBUMO-3L42-30 | 3 | 633 | 3.30 | 32 | 25042 | 23383 | 22961 | 22539 | 21666 | 20767 | 19719 | 17918 | | | | |
| RBUMO-3H42-30 | 3 | 687 | 2.00 | 36 | 19035 | 17703 | 17374 | 17044 | 16275 | 15490 | 14808 | 13511 | 10811 | | | |
| RBUMO-3H42-30 | 3 | 786 | 3.00 | 38 | 21779 | 20610 | 20322 | 20034 | 19458 | 18786 | 18084 | 17153 | 15279 | 12893 | 11034 | |
| RBUMO-3H42-30 | 3 | 803 | 3.30 | 39 | 22250 | 21105 | 20823 | 20541 | 19978 | 19343 | 18655 | 17715 | 16029 | 13676 | 11721 | |
| RBUMO-3L42-50 | 5 | 728 | 5.02 | 42 | 28800 | 27364 | 26999 | 26632 | 25899 | 25145 | 24363 | 23103 | 20515 | | | |
| RBUMO-3L42-50 | 5 | 750 | 5.50 | 42 | 29671 | 28277 | 27924 | 27568 | 26856 | 26137 | 25379 | 24236 | 21824 | | | |
| RBUMO-3H42-50 | 5 | 920 | 5.00 | 50 | 25492 | 24492 | 24242 | 23996 | 23504 | 23012 | 22499 | 21599 | 20217 | 18888 | 16801 | 13243 |
| RBUMO-3H42-50 | 5 | 960 | 5.50 | 53 | 26600 | 25642 | 25403 | 25165 | 24693 | 24222 | 23750 | 22921 | 21530 | 20309 | 18595 | 14836 |

Minimum CFM required to open dampers
Aluminum Dampers: 11050
Steel Dampers: 13550

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

RBUMO-48 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|-------------------------|---------|--------|--|-----------------------------|-------|-------|-------|-------|-------|-------------------|--|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 2 Performance | | Max RPM L - 587 | | | | Max Motor Frame Size - 184T | | | | | | TS = RPM x 12.566 | | | | |
| RBUMO-2L48-7 | 3/4 | 266 | 0.50 | 9.8 | 15752 | | | | | | | | Minimum CFM required to open dampers Aluminum Dampers: 12820 Steel Dampers: 16420 | | | |
| RBUMO-2L48-7 | 3/4 | 303 | 0.75 | 11.2 | 17943 | 14098 | 12903 | | | | | | | | | |
| RBUMO-2L48-7 | 3/4 | 313 | 0.82 | 11.6 | 18535 | 14850 | 13780 | | | | | | | | | |
| RBUMO-2L48-10 | 1 | 333 | 1.00 | 12.5 | 19719 | 16329 | 15324 | 14231 | | | | | | | | |
| RBUMO-2L48-10 | 1 | 344 | 1.10 | 13.1 | 20371 | 17129 | 16157 | 15184 | | | | | | | | |
| RBUMO-2L48-15 | 1½ | 381 | 1.50 | 15.3 | 22562 | 19765 | 18889 | 18012 | 16118 | | | | CFM values shown in black are the most efficient selections. Values shown in gray are not recommended. | | | |
| RBUMO-2L48-15 | 1½ | 394 | 1.65 | 16.1 | 23332 | 20658 | 19828 | 18980 | 17275 | 14871 | | | | | | |
| RBUMO-2L48-20 | 2 | 420 | 2.01 | 17.9 | 24871 | 22420 | 21678 | 20883 | 19291 | 17482 | | | | | | |
| RBUMO-2L48-20 | 2 | 433 | 2.20 | 18.8 | 25641 | 23293 | 22583 | 21821 | 20277 | 18649 | 16456 | | | | | |
| RBUMO-2L48-30 | 3 | 480 | 3.00 | 22 | 28425 | 26407 | 25767 | 25126 | 23753 | 22360 | 20933 | 17911 | | | | |
| RBUMO-2L48-30 | 3 | 496 | 3.30 | 23 | 29372 | 27456 | 26836 | 26216 | 24910 | 23563 | 22213 | 19730 | | | | |
| RBUMO-2L48-50 | 5 | 569 | 5.00 | 28 | 33695 | 32116 | 31640 | 31100 | 30019 | 28887 | 27713 | 25949 | 22421 | | | |
| RBUMO-2L48-50 | 5 | 587 | 5.50 | 29 | 34761 | 33231 | 32809 | 32285 | 31238 | 30166 | 29029 | 27319 | 24091 | | | |
| Level 3 Performance | | Max RPM L - 676 H - 842 | | | | Max Motor Frame Size - 215T | | | | | | TS = RPM x 12.566 | | | | |
| RBUMO-3L48-30 | 3 | 422 | 2.01 | 18.5 | 25054 | 22304 | 21434 | 20546 | 18884 | 17025 | 13113 | | | | | |
| RBUMO-3L48-30 | 3 | 482 | 3.00 | 22 | 28617 | 26357 | 25633 | 24888 | 23334 | 21885 | 20312 | 15570 | | | | |
| RBUMO-3L48-30 | 3 | 498 | 3.30 | 23 | 29566 | 27421 | 26720 | 26018 | 24514 | 23085 | 21635 | 16973 | | | | |
| RBUMO-3H48-30 | 3 | 525 | 2.00 | 22 | 23199 | 21320 | 20900 | 20480 | 19347 | 18048 | 16642 | 13915 | | | | |
| RBUMO-3H48-30 | 3 | 601 | 3.04 | 26 | 26557 | 24861 | 24495 | 24128 | 23395 | 22396 | 21327 | 19515 | 15600 | 11024 | | |
| RBUMO-3H48-30 | 3 | 620 | 3.30 | 28 | 27396 | 25743 | 25383 | 25028 | 24317 | 23423 | 22429 | 20699 | 17288 | 12076 | | |
| RBUMO-3L48-50 | 5 | 572 | 5.02 | 32 | 33960 | 32189 | 31664 | 31054 | 29829 | 28520 | 27243 | 25412 | 19334 | 15509 | | |
| RBUMO-3L48-50 | 5 | 590 | 5.50 | 35 | 35029 | 33312 | 32850 | 32258 | 31076 | 29823 | 28554 | 26779 | 23496 | 17193 | | |
| RBUMO-3H48-50 | 5 | 711 | 5.01 | 34 | 31418 | 29976 | 29615 | 29287 | 28668 | 28048 | 27359 | 26060 | 23597 | 20882 | 14947 | |
| RBUMO-3H48-50 | 5 | 735 | 5.50 | 36 | 32478 | 31083 | 30735 | 30399 | 29800 | 29200 | 28601 | 27371 | 25071 | 22525 | 19010 | |
| RBUMO-3L48-75 | 7½ | 655 | 7.53 | 38 | 38888 | 37341 | 36955 | 36555 | 35490 | 34425 | 33294 | 31588 | 28919 | 25871 | 19627 | |
| RBUMO-3L48-75 | 7½ | 676 | 8.25 | 40 | 40135 | 38636 | 38262 | 37887 | 36897 | 35865 | 34795 | 33133 | 30523 | 27663 | 21517 | |
| RBUMO-3H48-75 | 7½ | 815 | 7.51 | 44 | 36013 | 34755 | 34441 | 34126 | 33540 | 32999 | 32459 | 31648 | 29762 | 27618 | 25325 | 16940 |
| RBUMO-3H48-75 | 7½ | 842 | 8.25 | 47 | 37206 | 35989 | 35684 | 35380 | 34792 | 34269 | 33745 | 32960 | 31240 | 29257 | 27086 | 20829 |

Minimum CFM required to open dampers
Aluminum Dampers: 12820
Steel Dampers: 16420

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBUMO exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

RBUMO-54 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|---------|---------|--------|--|-------|-------|-----------------------------|-------|-------|-------|-------|-------------------|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 2 Performance | | Max RPM | | | H - 585 | | | Max Motor Frame Size - 184T | | | | | TS = RPM x 14.135 | | | |
| RBUMO-2H54-15 | 1½ | 353 | 1.20 | 15.0 | 23475 | | | | | | | | | | | |
| RBUMO-2H54-15 | 1½ | 381 | 1.50 | 16.7 | 25338 | 21895 | | | | | | | | | | |
| RBUMO-2H54-15 | 1½ | 394 | 1.65 | 17.5 | 26202 | 22957 | 21823 | | | | | | | | | |
| RBUMO-2H54-20 | 2 | 418 | 2.00 | 19.0 | 27798 | 24780 | 23823 | 22754 | | | | | | | | |
| RBUMO-2H54-20 | 2 | 433 | 2.20 | 20 | 28796 | 25888 | 25055 | 24023 | 22009 | | | | | | | |
| RBUMO-2H54-30 | 3 | 480 | 3.02 | 24 | 31921 | 29319 | 28641 | 27910 | 26047 | 24246 | 21958 | | | | | |
| RBUMO-2H54-30 | 3 | 495 | 3.30 | 25 | 32919 | 30402 | 29745 | 29088 | 27319 | 25556 | 23564 | | | | | |
| RBUMO-2H54-50 | 5 | 567 | 5.00 | 32 | 37708 | 35540 | 34967 | 34393 | 33246 | 31685 | 30125 | 27777 | | | | |
| RBUMO-2H54-50 | 5 | 585 | 5.50 | 34 | 38905 | 36804 | 36257 | 35700 | 34588 | 33184 | 31655 | 29443 | | | | |
| Level 3 Performance | | Max RPM | | | L - 591 H - 776 | | | Max Motor Frame Size - 254T | | | | | TS = RPM x 14.135 | | | |
| RBUMO-3L54-30 | 3 | 337 | 2.01 | 16.4 | 29468 | 24520 | 23028 | 21496 | | | | | | | | |
| RBUMO-3L54-30 | 3 | 384 | 3.02 | 19.6 | 33578 | 29345 | 28168 | 26918 | 24231 | 21357 | | | | | | |
| RBUMO-3L54-30 | 3 | 396 | 3.30 | 21 | 34627 | 30535 | 29410 | 28268 | 25606 | 23170 | | | | | | |
| RBUMO-3H54-30 | 3 | 440 | 2.00 | 23 | 27228 | 24668 | 23927 | 23154 | 21567 | | | | | | | |
| RBUMO-3H54-30 | 3 | 504 | 3.01 | 27 | 31189 | 29064 | 28417 | 27770 | 26435 | 25080 | 23483 | | | | | |
| RBUMO-3H54-30 | 3 | 521 | 3.30 | 29 | 32241 | 30217 | 29591 | 28964 | 27687 | 26375 | 24922 | | | | | |
| RBUMO-3L54-50 | 5 | 455 | 5.03 | 26 | 39787 | 36279 | 35347 | 34389 | 32388 | 30061 | 27897 | | | | | |
| RBUMO-3L54-50 | 5 | 469 | 5.50 | 27 | 41011 | 37622 | 36717 | 35809 | 33881 | 31691 | 29526 | 25954 | | | | |
| RBUMO-3H54-50 | 5 | 599 | 5.00 | 35 | 37068 | 35322 | 34885 | 34352 | 33263 | 32159 | 31019 | 29242 | | | | |
| RBUMO-3H54-50 | 5 | 616 | 5.50 | 37 | 38120 | 36422 | 35997 | 35510 | 34451 | 33391 | 32282 | 30619 | 27231 | | | |
| RBUMO-3L54-75 | 7½ | 520 | 7.51 | 32 | 45470 | 42462 | 41645 | 40829 | 39160 | 37421 | 35436 | 32506 | | | | |
| RBUMO-3L54-75 | 7½ | 537 | 8.25 | 35 | 46957 | 44060 | 43270 | 42479 | 40888 | 39204 | 37380 | 34464 | | | | |
| RBUMO-3H54-75 | 7½ | 686 | 7.53 | 42 | 42452 | 40927 | 40546 | 40165 | 39280 | 38329 | 37378 | 35892 | 33294 | | | |
| RBUMO-3H54-75 | 7½ | 705 | 8.25 | 43 | 43628 | 42144 | 41773 | 41402 | 40576 | 39650 | 38725 | 37294 | 34868 | 31925 | | |
| RBUMO-3L54-100 | 10 | 573 | 10.1 | 42 | 50105 | 47407 | 46684 | 45943 | 44461 | 42926 | 41348 | 38651 | 34316 | | | |
| RBUMO-3L54-100 | 10 | 591 | 11.0 | 46 | 51679 | 49064 | 48379 | 47661 | 46225 | 44762 | 43232 | 40723 | 36435 | | | |
| RBUMO-3H54-100 | 10 | 753 | 10.1 | 47 | 46598 | 45209 | 44862 | 44514 | 43820 | 42960 | 42093 | 40792 | 38524 | 36056 | 33219 | |
| RBUMO-3H54-100 | 10 | 776 | 11.0 | 50 | 48021 | 46673 | 46336 | 45999 | 45325 | 44533 | 43692 | 42431 | 40246 | 37975 | 35307 | |

Minimum CFM required to open dampers
Aluminum Dampers: 21430
Steel Dampers: 31000

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

RBUMO-60 Belt Drive

| Model Number | Motor HP | Fan RPM | Max BHP | *Sones | Volume (CFM) / Static Pressure (Inches WG) | | | | | | | | | | | |
|---------------------|----------|---------|---------|---------|--|-------|-----------------------------|-------|-------|-------|-------|-------------------|--|-------|-------|-------|
| | | | | | 0.000 | 0.100 | 0.125 | 0.150 | 0.200 | 0.250 | 0.300 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 |
| Level 3 Performance | | | Max RPM | L - 493 | H - 650 | | Max Motor Frame Size - 256T | | | | | TS = RPM x 15.691 | | | | |
| RBUMO-3L60-30 | 3 | 279 | 2.00 | 17.1 | 34965 | 27787 | 25597 | | | | | | <div>Minimum CFM required to open dampers</div> <div>Aluminum Dampers: 24820</div> <div>Steel Dampers: 45000</div> | | | |
| RBUMO-3L60-30 | 3 | 320 | 3.00 | 20 | 40103 | 33933 | 32370 | 30461 | | | | | | | | |
| RBUMO-3L60-30 | 3 | 330 | 3.30 | 21 | 41356 | 35368 | 33892 | 32118 | 28155 | | | | | | | |
| RBUMO-3H60-30 | 3 | 368 | 2.00 | 22 | 31237 | 27776 | 26765 | 25742 | | | | | | | | |
| RBUMO-3H60-30 | 3 | 422 | 3.00 | 25 | 35820 | 32945 | 32078 | 31205 | 29422 | 27426 | 25134 | | <div>CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.</div> | | | |
| RBUMO-3H60-30 | 3 | 436 | 3.30 | 26 | 37009 | 34264 | 33425 | 32586 | 30863 | 29040 | 26899 | | | | | |
| RBUMO-3L60-50 | 5 | 379 | 5.00 | 25 | 47497 | 42409 | 40974 | 39689 | 36749 | 33354 | | | | | | |
| RBUMO-3L60-50 | 5 | 391 | 5.50 | 26 | 49001 | 44137 | 42672 | 41427 | 38716 | 35560 | | | | | | |
| RBUMO-3H60-50 | 5 | 501 | 5.00 | 31 | 42526 | 40236 | 39578 | 38848 | 37387 | 35888 | 34385 | 31738 | 26502 | | | |
| RBUMO-3H60-50 | 5 | 516 | 5.50 | 32 | 43799 | 41575 | 40979 | 40270 | 38851 | 37406 | 35947 | 33493 | 28675 | | | |
| RBUMO-3L60-75 | 7½ | 434 | 7.50 | 31 | 54390 | 50243 | 48894 | 47546 | 45300 | 42772 | 39958 | | | | | |
| RBUMO-3L60-75 | 7½ | 448 | 8.25 | 32 | 56144 | 52206 | 50900 | 49593 | 47332 | 45046 | 42319 | | | | | |
| RBUMO-3H60-75 | 7½ | 573 | 7.50 | 37 | 48638 | 46635 | 46134 | 45611 | 44334 | 43057 | 41755 | 39785 | 35986 | 31498 | 24879 | |
| RBUMO-3H60-75 | 7½ | 590 | 8.25 | 39 | 50081 | 48136 | 47650 | 47163 | 45948 | 44708 | 43455 | 41541 | 37996 | 33829 | 28654 | |
| RBUMO-3L60-100 | 10 | 477 | 10.0 | 37 | 59779 | 56150 | 55014 | 53787 | 51488 | 49445 | 47112 | 43209 | | | | |
| RBUMO-3L60-100 | 10 | 493 | 11.0 | 40 | 61784 | 58273 | 57265 | 56077 | 53754 | 51778 | 49706 | 45990 | | | | |
| RBUMO-3H60-100 | 10 | 630 | 10.0 | 43 | 53476 | 51655 | 51199 | 50744 | 49715 | 48553 | 47391 | 45614 | 42597 | 38911 | 34837 | |
| RBUMO-3H60-100 | 10 | 650 | 11.0 | 46 | 55174 | 53408 | 52967 | 52526 | 51583 | 50458 | 49332 | 47622 | 44727 | 41352 | 37534 | 26609 |

Minimum CFM required to open dampers
Aluminum Dampers: 24820
Steel Dampers: 45000

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for Model RBUMO exhaust for installation type A: free inlet, free outlet. Power rating (Bhp) does not include transmission losses. Performance ratings do not include appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.

*Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to the CAPS program.

Specifications

BELT DRIVE

Belt driven, axial type upblast propeller roof exhaust fans shall be provided as follows:

Propellers shall be constructed with fabricated steel, fabricated aluminum or cast aluminum blades and hubs. Propellers shall be securely attached to fan shafts. All propellers shall be statically and dynamically balanced. Motors shall be heavy duty type, matched to the fan load and furnished at the specified voltage, phase and enclosure. Ground and polished steel fan shafts shall be mounted in ball bearing pillow blocks. Bearings shall be selected for a minimum L_{10} life in excess of 100,000 hours (L_{50} average life of 500,000 hours) at maximum cataloged operating speeds. Drives shall be sized for a minimum of 150% of driven horsepower. Pulleys shall be of the fully machined cast iron type, keyed and securely attached to the wheel and motor shafts. Motor sheaves shall be adjustable for final system balancing (Sizes 42 and larger have fixed drives). Drive frame assemblies shall be galvanized steel or painted steel. Drive frames shall have formed channels and fan panels shall have a deep formed inlet venturi. Windbands shall be constructed of heavy gauge galvanized steel with reinforced edges and bolted seams. Curb caps shall be constructed of galvanized steel in sizes 20-48 (sizes 54 and 60 constructed of painted steel). The axial belt drive upblast propeller roof fans shall bear the AMCA Certified Rating Seal for both sound and air performance.

For RBUMO models, fans shall meet the following additional requirements: Motors shall be mounted out of the airstream. Motor covers shall be vented for motor cooling.

For high temperature applications, insert the appropriate option shown below.

HIGH TEMPERATURE OPTION

This construction meets specifications for IRI requirements of 500°F (260°C) air for a minimum of 4 hours and the SBCCI "Standard Fire Prevention Code" requirements of 1000°F (538°C) for a minimum of 15 minutes in emergency smoke removal applications.

In addition, this construction exceeds British Standards 7346 Class B 482°F (250°C for 2 hours), Class C 572°F (300°C for 30 minutes), and Class D 572°F (300°C for 1 hour) temperature requirements. Temperature ratings tested in accordance to UL smoke control systems.

HIGH TEMPERATURE OPTION - UL LISTED

This construction meets specifications for UL Listed "Power Ventilators for Smoke Control Systems". This includes the IRI requirements of 500°F (260°C) for a minimum of 4 hours, the SBCCI "Standard Fire Prevention Code" requirements of 1000°F (538°C) for a minimum of 15 minutes, and the Snow Load Test for butterfly dampers in UL 793. In addition, this construction exceeds British Standards 7346 Class B 482°F (250°C for 2 hours), Class C 572°F (300°C for 30 minutes), and Class D 572°F (300°C for 1 hour) temperature requirements.

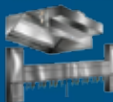
Fans shall be Model RBU/RBUMO as manufactured by Greenheck Fan Corporation, in Schofield, Wisconsin.

DIRECT DRIVE

Direct driven, axial type upblast propeller roof exhaust fans shall be provided as follows:

Propeller construction shall be cast aluminum airfoil design. A tapered bushing shall lock the propeller to the motor shaft. Propellers shall be statically and dynamically balanced for vibration free operation. Motors shall be heavy duty type, matched to the fan load and furnished at the specified voltage, phase and enclosure. Motor, drive frame and fan panel/curb cap assemblies shall be galvanized steel or painted steel. Drive frames shall have formed channels and fan panel/curb cap shall have a deep formed inlet venturi. Windbands shall be constructed of heavy gauge galvanized steel with reinforced edges and bolted seams. The axial direct drive upblast propeller roof fans shall bear the AMCA Certified Rating Seal for both sound and air performance.

Fans shall be Model RDU as manufactured by Greenheck Fan Corporation, in Schofield, Wisconsin.



Our Warranty

Greenheck warrants this equipment to be free from defects in material and workmanship for a period of one year from the shipment date. Any units or parts which prove defective during the warranty period will be replaced at our option when returned to our factory, transportation prepaid. Motors are warranted by the motor manufacturer for a period of one year. Should motors furnished by Greenheck prove defective during this period, they should be returned to the nearest authorized motor service station. Greenheck will not be responsible for any removal or installation costs.

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.



Prepared to Support
Green Building Efforts