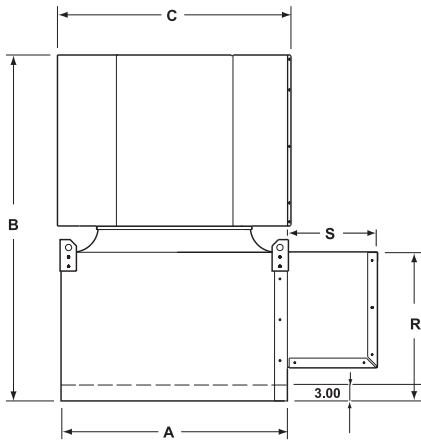




Est. 1938

Belt Drive Propeller Roof Exhauster Model UBGMX

Model UBGMX belt drive exhausters feature the motor out of the airstream for ease of servicing and inspection. A removable motor cover allows quick and easy access to the motor, belt and drives without removing the fan. Capacities up to 78,842 CFM and up to 3/4 inch static pressure. The UBGMX is a high velocity exhauster designed to discharge air up and away from the building. The UBGMX can operate continuously in airstream temperatures up to 200°F.



DIMENSIONS

| Model Size | A | B | C | R | S | Roof Opening* | Est. Unit Wt. | Est. Ship Wt. | Curb Model |
|------------|-------|--------|-------|-------|-------|---------------|---------------|---------------|------------|
| UBGMX24 | 36.00 | 55.06 | 37.18 | 23.71 | 14.21 | 31.50 x 31.50 | 312 | 401 | C34.5 |
| UBGMX30 | 42.00 | 62.01 | 43.17 | 24.65 | 14.20 | 37.50 x 37.50 | 427 | 528 | C40.5 |
| UBGMX36 | 48.00 | 63.50 | 49.14 | 24.65 | 14.38 | 43.50 x 43.50 | 530 | 674 | C46.5 |
| UBGMX42 | 54.00 | 67.02 | 56.45 | 28.30 | 15.76 | 49.50 x 49.50 | 601 | 744 | C52.5 |
| UBGMX48 | 60.00 | 74.03 | 62.40 | 29.18 | 16.56 | 55.50 x 55.50 | 781 | 954 | C58.5 |
| UBGMX54 | 66.00 | 86.40 | 69.68 | 33.73 | 18.71 | 61.50 x 61.50 | 965 | 1157 | C64.5 |
| UBGMX60 | 72.00 | 91.65 | 79.46 | 33.73 | 18.79 | 67.50 x 67.50 | 1065 | 1264 | C70.5 |
| UBGMX72 | 90.00 | 102.40 | 95.68 | 39.17 | 21.78 | 85.50 x 85.50 | 1343 | 1675 | C88.5 |

Dimensions are shown in inches.

Weights are shown in pounds.

*Recommended maximum.

Construction Features

Windband

- Constructed of heavy gauge galvanized steel with a die formed flange for extra strength
- Channel cross tie member provides lateral rigidity
- Removable panels for easy access to fan and dampers

Butterfly Dampers

- Constructed of heavy gauge aluminum
- Stainless steel hinge pins and nylon bearings provide quiet, low friction operation
- Dampers open and close against rubber bumpers for quiet operation
- Water trough under damper hinge provides drainage for rain, melting snow and ice

Aluminum Propeller

- Constructed of welded heavy gauge aluminum
- High efficiency circular arc airfoil blade design
- Precision balanced for smooth vibration free operation

Housing

- Heavy gauge galvanized steel base with deep drawn orifice
- Lifting eyes for ease of handling

Bearings

- Permanently lubricated in a duplex split pillow block housing
- Bearings are resiliently mounted in neoprene rings
- Rated at L₅₀ life of 200,000 hours
- **5 year** limited warranty on Acme D.S. pillow block bearings
- Pillow block bearings are standard on UBGMX72

Drive Assembly

- Cast iron drives sized for 150% of drive horsepower
- Static free, oil and heat resistant belts
- Variable speed drives standard for 5 HP and smaller
- Fixed pitch drives for 7 1/2, 10, and 15 HP

Motor

- Continuous duty motors by nationally recognized manufacturers
- Prelubricated ball bearings requiring minimum maintenance

Options/Accessories

- Roof Curbs
- Disconnect Switches
- Outlet Guard
- Coatings
- Fusible Link Damper Lifters
- Magnetic Damper Latches
- Belt Guard
- SE Option U.L. Listed "Power Ventilators for Smoke Control Systems"

Propeller Roof Fans



Acme Engineering & Manufacturing Corporation certifies that the 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.



U.L. 705 Listed

Consult your Acme representative for availability.

| PERFORMANCE DATA | | | | | | | | | | | | | | | | | |
|------------------|------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|----------|----------|----------|
| Fan Model | RPM | CFM vs. Static Pressure | | | | | | | | | | | | | | | |
| | | .000" | | .125" | | .250" | | .375" | | .500" | | .625" | | .750" | | 1.000" | |
| | | Sone | BHP | Sone | BHP | Sone | BHP | Sone | BHP | Sone | BHP | Sone | BHP | Sone | BHP | Sone | BHP |
| UBGMX24 | 781 | 4715 | 0.35 | 4166 | 0.36 | | | | | | | | | 1/3 HP | 1/2 HP | 3/4 HP | 1 HP |
| | 897 | 5416 | 0.53 | 4971 | 0.55 | 3864 | 0.51 | | | | | | | | | | |
| | 1027 | 6200 | 0.80 | 5824 | 0.82 | 5303 | 0.82 | | | | | | | | | | |
| | 1130 | 6822 | 1.07 | 6484 | 1.08 | 6076 | 1.09 | 5281 | 1.07 | | | | | | | | |
| UBGMX30 | 629 | 7309 | 0.52 | 6281 | 0.54 | | | | | | | | 1/2 HP | 3/4 HP | 1 HP | 1 1/2 HP | 2 HP |
| | 720 | 8366 | 0.78 | 7557 | 0.81 | | | | | | | | | | | | |
| | 792 | 9203 | 1.04 | 8492 | 1.07 | 7180 | 1.09 | | | | | | | | | | |
| | 907 | 10539 | 1.57 | 9935 | 1.60 | 9144 | 1.63 | | | | | | | | | | |
| | 998 | 11596 | 2.09 | 11053 | 2.12 | 10416 | 2.14 | 9348 | 2.16 | | | | | | | | |
| UBGMX36 | 525 | 11214 | 0.78 | 9556 | 0.81 | | | | | | | | 3/4 HP | 1 HP | 1 1/2 HP | 2 HP | 3 HP |
| | 578 | 12346 | 1.04 | 10956 | 1.08 | | | | | | | | | | | | |
| | 662 | 14140 | 1.57 | 12991 | 1.61 | 10977 | 1.64 | | | | | | | | | | |
| | 728 | 15550 | 2.09 | 14525 | 2.13 | 13101 | 2.18 | | | | | | | | | | |
| | 834 | 17814 | 3.15 | 16934 | 3.19 | 15909 | 3.25 | 14246 | 3.30 | 9332 | 2.86 | | | | | | |
| UBGMX42 | 452 | 15425 | 1.03 | 12282 | 1.09 | | | | | | | | 1 HP | 1 1/2 HP | 2 HP | 3 HP | 5 HP |
| | 518 | 17677 | 1.55 | 15110 | 1.62 | | | | | | | | | | | | |
| | 570 | 19452 | 2.07 | 17176 | 2.17 | 13869 | 2.14 | | | | | | | | | | |
| | 652 | 22250 | 3.09 | 20302 | 3.21 | 17950 | 3.29 | 14380 | 3.12 | 11811 | 3.26 | | | | | | |
| | 773 | 26379 | 5.16 | 24757 | 5.30 | 22992 | 5.43 | 20815 | 5.47 | 17736 | 5.24 | 15149 | 5.25 | 13337 | 5.58 | | |
| UBGMX48 | 413 | 21355 | 1.53 | 17356 | 1.63 | | | | | | | | 1 1/2 HP | 2 HP | 3 HP | 5 HP | |
| | 454 | 23475 | 2.03 | 19959 | 2.15 | | | | | | | | | | | | |
| | 520 | 26888 | 3.06 | 23901 | 3.20 | 19996 | 3.25 | | | | | | | | | | |
| | 616 | 31852 | 5.09 | 29372 | 5.27 | 26602 | 5.40 | 22751 | 5.40 | 17193 | 5.43 | | | | | | |
| | 705 | 36454 | 7.60 | 34302 | 7.84 | 32018 | 8.02 | 29376 | 8.12 | 25710 | 8.08 | 20563 | 8.08 | 17637 | 8.46 | | 7 1/2 HP |
| UBGMX54 | 374 | 27417 | 2.03 | 22493 | 2.16 | | | | | | | | 2 HP | 3 HP | 5 HP | | |
| | 428 | 31375 | 3.05 | 27242 | 3.22 | 20771 | 3.22 | | | | | | | | | | |
| | 507 | 37166 | 5.07 | 33761 | 5.29 | 29755 | 5.40 | 22907 | 5.34 | | | | | | | | |
| | 581 | 42591 | 7.60 | 39648 | 7.89 | 36444 | 8.08 | 32440 | 8.10 | 25817 | 8.03 | 21024 | 8.40 | | | | 7 1/2 HP |
| | 639 | 46843 | 10.16 | 44177 | 10.44 | 41361 | 10.68 | 38146 | 10.81 | 33863 | 10.79 | 27411 | 10.71 | 23264 | 11.10 | | 10 HP |
| UBGMX60 | 360 | 36221 | 3.08 | 30668 | 3.26 | | | | | | | | | 3 HP | 5 HP | | |
| | 426 | 42861 | 5.10 | 38323 | 5.30 | 32586 | 5.40 | | | | | | | | | | |
| | 488 | 49099 | 7.67 | 45189 | 7.96 | 40793 | 8.15 | 34516 | 8.13 | 25988 | 8.24 | | | | | | 7 1/2 HP |
| | 537 | 54029 | 10.23 | 50495 | 10.54 | 46686 | 10.70 | 42077 | 10.89 | 34729 | 10.76 | 27836 | 11.00 | 24327 | 11.70 | | 10 HP |
| UBGMX72 | 266 | 46093 | 3.07 | 36622 | 3.27 | | | | | | | | | 3 HP | 5 HP | | |
| | 315 | 54583 | 5.10 | 47070 | 5.30 | 34659 | 5.37 | | | | | | | | | | |
| | 361 | 62554 | 7.69 | 56147 | 8.04 | 48207 | 8.19 | 34558 | 8.17 | | | | | | | | 7 1/2 HP |
| | 397 | 68792 | 10.22 | 63019 | 10.62 | 56433 | 10.87 | 46332 | 10.79 | 34907 | 11.12 | | | | | | 10 HP |
| | 455 | 78842 | 15.39 | 73846 | 15.86 | 68488 | 16.23 | 62107 | 16.40 | 52336 | 16.23 | 41703 | 16.52 | 36304 | 17.60 | | 15 HP |

Variable speed range shown by arrows. Shaded lines represent fixed speed for 7 1/2 HP, 10 and 15 HP. Performance shown is for Installation Type A: Free Inlet, Free Outlet. Performance ratings include the effects of the damper. Power rating (BHP) does not include transmission losses. The sound ratings shown are loudness values in fan sones at 5 feet (1.524 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free Inlet hemispherical sone levels. The brake horsepower capability of an exhaustor motor is dependent on the degree of cooling the motor receives from the air moving through the motor. The motor loading beyond the motor nameplate rating does not overheat the motor and is in accordance with the motor manufacturer's recommendations. It is therefore not detrimental to the motor and is economically desirable.

For more information on this product contact your sales support.



Propeller Roof Fans