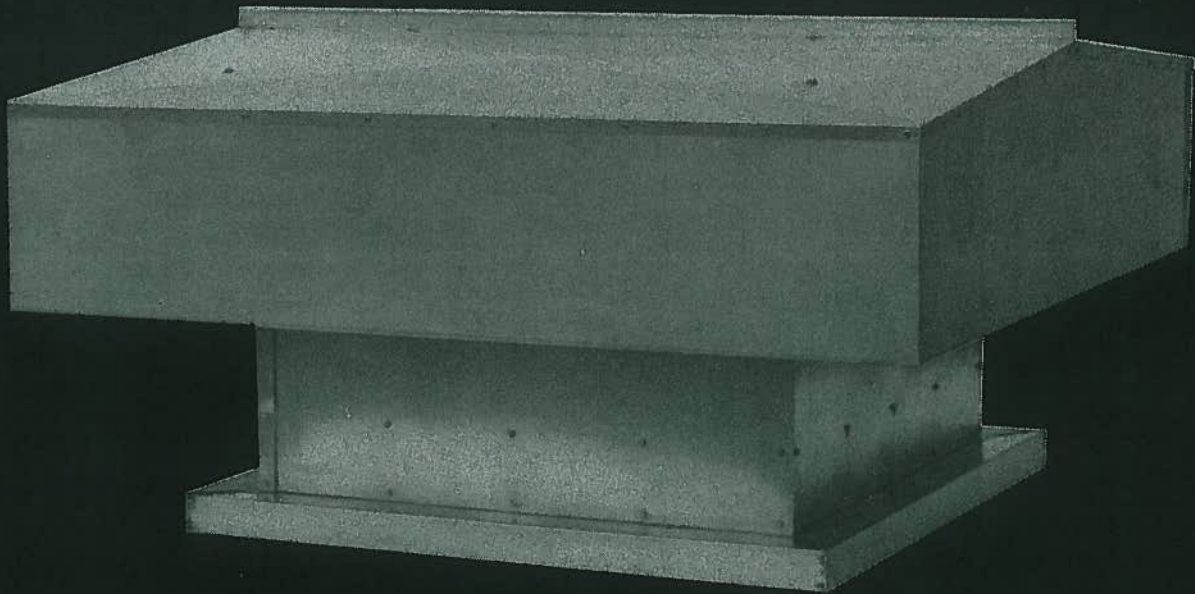


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Catalog RPBE
August 2002

Power Roof Ventilators RPBE Series



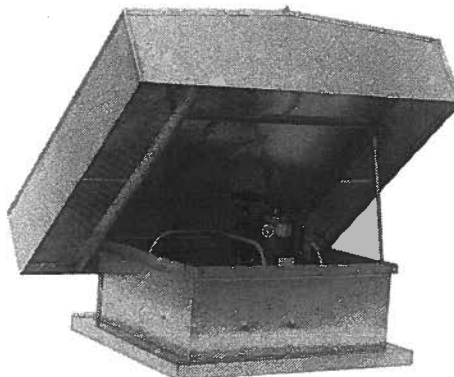
Quietaire

RPBE Series – Power Roof Ventilator Power Ratings

| RPBE MODEL NO. | H.P. | R.P.M. | STATIC PRESSURE | | | | | | | | | MAX HP | SONES @ 0" SP |
|----------------------|-------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|------------------|
| | | | 0 | 1/10" | 1/8" | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 1" | | |
| 2633 | 1/2 | 660 | 4940 | 4350 | 4225 | 3000 | | | | | | .36 | 11.8 |
| 2650 | 1/2 | 766 | 5750 | 5250 | 5125 | 4375 | | | | | | .55 | 15.5 |
| 2675 | 3/4 | 870 | 6525 | 6100 | 5975 | 5400 | 4500 | | | | | .81 | 19.4 |
| 26100 | 1 | 975 | 7300 | 6900 | 6800 | 6300 | 5750 | 4775 | | | | 1.15 | 23 |
| 26150 | 1 1/2 | 1114 | 8350 | 8000 | 7925 | 7500 | 7050 | 6500 | 5700 | | | 1.70 | 27 |
| 26200 | 2 | 1218 | 9125 | 8800 | 8725 | 8350 | 7950 | 7525 | 7000 | 6200 | | 2.23 | 30 |
| 3233 | 1/3 | 472 | 6600 | 5600 | 5300 | | | | | | | .36 | 9.9 |
| 3250 | 1/2 | 547 | 7650 | 6775 | 6500 | 4800 | | | | | | .58 | 12.5 |
| 3275 | 3/4 | 622 | 8700 | 7950 | 7750 | 6650 | | | | | | .84 | 15.9 |
| 32100 | 1 | 696 | 9725 | 9050 | 8900 | 8000 | 6525 | | | | | 1.17 | 19.3 |
| 32150 | 1 1/2 | 795 | 11100 | 10525 | 10375 | 9625 | 8775 | 7300 | | | | 1.75 | 24 |
| 32200 | 2 | 870 | 12150 | 11625 | 11500 | 10800 | 10100 | 9150 | 7750 | | | 2.31 | 28 |
| 32300 | 3 | 994 | 13900 | 13400 | 13300 | 12700 | 12100 | 11500 | 10700 | 9525 | | 3.42 | 34 |
| 3850 | 1/2 | 395 | 9250 | 7900 | 7400 | 3900 | | | | | | .57 | 10 |
| 3875 | 3/4 | 450 | 10525 | 9275 | 8950 | 7550 | | | | | | .75 | 12.9 |
| 38100 | 1 | 502 | 11750 | 10600 | 10325 | 8525 | 5525 | | | | | 1.14 | 15.3 |
| 38150 | 1 1/2 | 574 | 13425 | 12450 | 12200 | 10900 | 8700 | 6150 | | | | 1.72 | 19.1 |
| 38200 | 2 | 628 | 14700 | 13800 | 13575 | 12450 | 10950 | 8650 | 6300 | | | 2.30 | 22 |
| 38300 | 3 | 718 | 16800 | 16000 | 15800 | 14800 | 13800 | 12400 | 10300 | 8150 | | 3.33 | 28 |
| 38500 | 5 | 860 | 20100 | 19500 | 19275 | 18500 | 17625 | 16850 | 15850 | 14400 | 10875 | 5.61 | 38 |
| 4450 | 1/2 | 316 | 10850 | 8850 | 8300 | 3800 | | | | | | .54 | 11.4 |
| 4475 | 3/4 | 362 | 12450 | 10700 | 10250 | 7700 | | | | | | .76 | 15.2 |
| 44100 | 1 | 408 | 14000 | 12500 | 12100 | 9825 | 5975 | | | | | 1.12 | 19.2 |
| 44150 | 1 1/2 | 467 | 16050 | 14700 | 14350 | 12600 | 10500 | 6575 | | | | 1.69 | 22 |
| 44200 | 2 | 510 | 17525 | 16325 | 16000 | 14400 | 12525 | 10775 | 6575 | | | 2.24 | 24 |
| 44300 | 3 | 583 | 20050 | 19000 | 18700 | 17325 | 15900 | 14150 | 12675 | 9050 | | 3.24 | 29 |
| 44500 | 5 | 700 | 24050 | 23200 | 23000 | 21800 | 20650 | 19500 | 18200 | 16675 | 14050 | 5.58 | 43 |
| 44750 | 7 1/2 | 802 | 27600 | 26800 | 26600 | 25600 | 24600 | 23600 | 22600 | 21550 | 18950 | 8.32 | 60 |
| 5050 | 1/2 | 253 | 12750 | 9850 | 8900 | | | | | | | .50 | 9.3 |
| 5075 | 3/4 | 289 | 14575 | 12050 | 11400 | 5825 | | | | | | .76 | 13.3 |
| 50100 | 1 | 327 | 16500 | 14300 | 13750 | 10500 | | | | | | 1.06 | 15.6 |
| 50150 | 1 1/2 | 373 | 18800 | 16900 | 16425 | 13675 | 10675 | | | | | 1.61 | 20 |
| 50200 | 2 | 408 | 20575 | 18825 | 18375 | 16100 | 13375 | 8150 | | | | 2.14 | 24 |

1. "Performance shown is for installation Type A Free inlet, free outlet"
2. "Power rating (BHP) does not include drive losses"
3. "Performance rating include the effects of bridscreens in the air stream"
4. "The sound ratings shown are loudness values in fan sones at 5ft (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A: free inlet fan sone levels"

View Showing Standard Hinged Hood

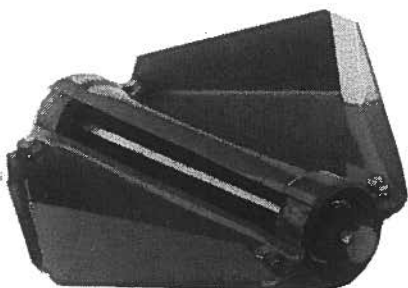


"Quietaire Corporation certifies that the RPBE series power roof ventilators shown here in are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA certified ratings program."

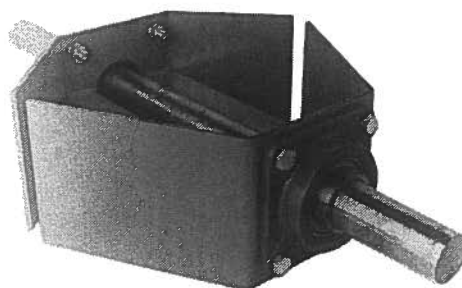
RPBE Series – Power Roof Ventilator Power Ratings

| RPBE MODEL NO. | H.P. | R.P.M. | STATIC PRESSURE | | | | | | | | | MAX HP | SONES @ 0° SP |
|----------------------|-------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|------------------|
| | | | 0 | 1/10" | 1/8" | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 1" | | |
| 50300 | 3 | 467 | 23550 | 22050 | 21650 | 19700 | 17525 | 15150 | 10450 | | | 3.16 | 28 |
| 50500 | 5 | 560 | 28250 | 26950 | 26650 | 25000 | 23425 | 21650 | 19500 | 17775 | | 5.37 | 35 |
| 50750 | 7 1/2 | 642 | 32400 | 31275 | 31000 | 29600 | 28150 | 26800 | 25200 | 23425 | 20200 | 8.05 | 46 |
| 5675 | 3/4 | 241 | 17075 | 13675 | 12725 | | | | | | | .75 | 11.1 |
| 56100 | 1 | 272 | 19275 | 17450 | 15550 | 10950 | | | | | | 1.10 | 13.4 |
| 56150 | 1 1/2 | 311 | 22050 | 19450 | 18800 | 14975 | 8325 | | | | | 1.69 | 17.4 |
| 56200 | 2 | 340 | 24100 | 21725 | 21100 | 17950 | 14325 | | | | | 2.13 | 21 |
| 56300 | 3 | 389 | 27575 | 25550 | 25000 | 22325 | 19100 | 16100 | | | | 3.20 | 28 |
| 56500 | 5 | 467 | 33100 | 31375 | 31000 | 28750 | 26525 | 23825 | 21350 | 18300 | | 5.58 | 35 |
| 56750 | 7 1/2 | 535 | 37900 | 36400 | 36000 | 34200 | 32250 | 30300 | 28000 | 25500 | 20000 | 8.39 | 41 |
| 561000 | 10 | 583 | 41300 | 40000 | 39650 | 37850 | 36100 | 34400 | 32500 | 30350 | 26300 | 10.7 | 47 |
| 62100 | 1 | 231 | 22200 | 18350 | 17300 | 8600 | | | | | | 1.15 | 12.9 |
| 62150 | 1 1/2 | 253 | 24350 | 20800 | 19900 | 14700 | | | | | | 1.45 | 14.5 |
| 62200 | 2 | 286 | 27500 | 24400 | 23600 | 19000 | 11100 | | | | | 2.16 | 17.9 |
| 62300 | 3 | 332 | 32000 | 29250 | 28550 | 25100 | 20900 | 13200 | | | | 3.36 | 24 |
| 62500 | 5 | 388 | 37300 | 35000 | 34500 | 31550 | 28425 | 24750 | 21175 | | | 5.30 | 34 |
| 62750 | 7 1/2 | 452 | 43500 | 41550 | 41000 | 38575 | 36050 | 33350 | 30000 | 27350 | | 8.22 | 41 |
| 621000 | 10 | 484 | 46550 | 44750 | 44250 | 42000 | 39600 | 37200 | 34500 | 31400 | 24700 | 10.3 | 44 |
| 74100 | 1 | 173 | 28300 | 21800 | 20000 | | | | | | | 1.12 | 11 |
| 74150 | 1 1/2 | 192 | 31400 | 25800 | 24400 | | | | | | | 1.54 | 14 |
| 74200 | 2 | 217 | 35500 | 30600 | 29300 | 22200 | | | | | | 2.21 | 17 |
| 74300 | 3 | 245 | 40100 | 35700 | 34600 | 28350 | 18050 | | | | | 3.24 | 19.7 |
| 74500 | 5 | 290 | 47400 | 43750 | 42850 | 38100 | 32400 | 26650 | | | | 5.37 | 25 |
| 74750 | 7 1/2 | 337 | 55100 | 52000 | 51200 | 47200 | 43000 | 37900 | 33550 | | | 8.31 | 35 |
| 741000 | 10 | 368 | 60200 | 57300 | 56600 | 53000 | 49250 | 45100 | 40400 | 36400 | | 10.8 | 42 |
| 741500 | 15 | 417 | 68200 | 65700 | 65000 | 61900 | 58500 | 55250 | 51700 | 47350 | 39900 | 15.9 | 54 |
| 86150 | 1.5 | 154 | 39500 | 31375 | 28900 | | | | | | | 1.68 | 11.3 |
| 86200 | 2 | 162 | 41600 | 33850 | 31750 | | | | | | | 1.96 | 12.7 |
| 86300 | 3 | 192 | 49300 | 42800 | 41200 | 31700 | | | | | | 3.23 | 18.8 |
| 86500 | 5 | 231 | 59300 | 53900 | 52600 | 45550 | 37500 | | | | | 5.68 | 25 |
| 86750 | 7 1/2 | 258 | 66200 | 61400 | 60200 | 54100 | 46700 | 40000 | | | | 7.92 | 28 |
| 681000 | 10 | 290 | 74400 | 70250 | 69150 | 63750 | 58100 | 51150 | 45300 | | | 11.2 | 34 |
| 681500 | 15 | 328 | 84450 | 80700 | 79750 | 75100 | 70300 | 65100 | 59000 | 53750 | | 16.4 | 44 |

1. "Performance shown is for installation Type A Free inlet, free outlet"
2. "Power rating (BHP) does not include drive losses"
3. "Performance rating include the effects of bridscreens in the air stream"
4. "The sound ratings shown are loudness values in fan sones at 5ft (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A: free inlet fan sone levels"



**Bearing Housing Assembly
to 56" 3 HP and under only**



**Bearing Housing Assembly
to 56" 3 HP and all sizes over 56"**



"Quietaire Corporation certifies that the RPBE series power roof ventilators shown here in 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."



Axial Power Roof Ventilators

Features

Quietaire power roof ventilators are built for quieter more efficient operation. Each unit has a fan blade which is two inches larger in diameter than the nominal diameter. This extra length yields more air at slower speeds and also means less noise due to the reduced tip speed of the fan blade. These units are standard with a hinged type hood for easy access to moving parts. Bird screen is also standard.

Application

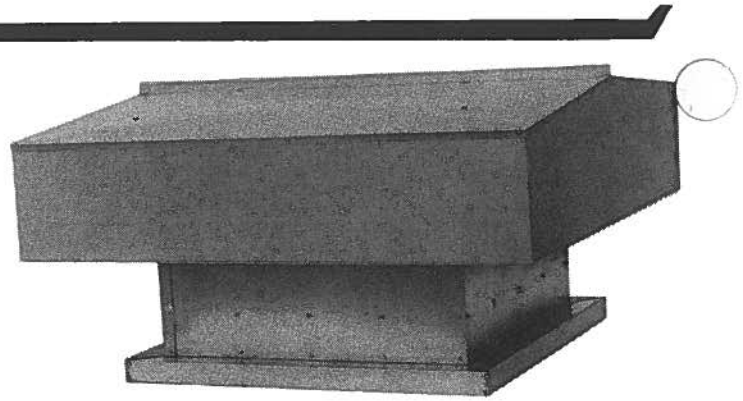
The RPBE Series is designed to move large volumes of air quietly and efficiently at moderate static pressures. This unit is ideal for factories, schools, recreation halls, warehouses, laundries, and many other places where air, whether clean or contaminated, is exhausted through the roof.

Construction

Housings are heavy gauge corrosion resistant aluminum and form a rainproof structure. Fan frames, venturiers, and motor supports are die formed and welded for superior structural support. Completely assembled except for hoods which are removed on 50" and larger sizes to facilitate shipping and handling. Sealed bearings exclude all dust, dirt, moisture and retain lubricant.

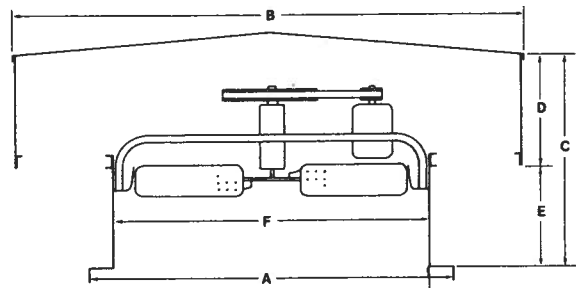
Accessories and Special Applications

- Variable Pitch Drives
- Epoxy Coatings
- Special Metals
- Automatic Manual or Electric Dampers
- Many Different Styles and Types of Motors from Standard ODP Single or Three Phases to DC Powered Units



Special Notes: These units are available as

1. Supply Duty (RPBS)
2. A Special reversing (supply, exhaust) (RPBES) model with a double venturi and reversing blade.
3. With cast aluminum blades in supply, exhaust or reversing modes.
4. Direct Drive
5. Galvanized Construction



SPECIFICATIONS

| Fan Size | Dimensions (Inches) | | | | | |
|----------|---------------------|-----|------|------|----|----|
| | A | B | C | D | E | F |
| 26 | 40 | 52 | 27 | 12 | 15 | 32 |
| 32 | 46 | 62 | 29 | 14 | 15 | 38 |
| 38 | 52 | 72 | 31 | 16 | 15 | 44 |
| 44 | 58 | 82 | 34 | 18 | 16 | 50 |
| 50 | 64 | 93 | 38.5 | 20.5 | 18 | 56 |
| 56 | 70 | 103 | 42.5 | 22.5 | 20 | 62 |
| 62 | 76 | 114 | 47 | 25 | 22 | 68 |
| 74 | 88 | 136 | 57 | 30 | 27 | 80 |
| 86 | 100 | 157 | 65.5 | 34.5 | 31 | 92 |

Warranty and Disclaimer: Quietaire Corporation extends this limited warranty to the original buyer and warrants that products manufactured by Quietaire shall be free from original defects in workmanship and materials for one year from date of shipment, provided same have been properly stored, installed, serviced, maintained and operated. This warranty shall not apply to products which have been altered or repaired in any way so as to effect its performance, without Quietaire's express authorization, or altered or reliability, nor which have been improperly installed or subjected to misuse, negligence, or accident, or incorrectly used in combination with other substances. The Buyer assumes all risks and liability for results of; use of the products. Warranties on purchased parts, such as electric motor and controls are limited to the terms of warranty extended by our supplier.

Limitation Of Remedy And Damages: All claims under this warranty must be made in writing and delivered to Quietaire Corporation 505 North Hutcheson, Houston, Texas 77003 within 15 days after discovery of the defect and prior to the expiration of one year from the date of shipment by Quietaire of the product claimed defective, and Buyer shall be barred from any remedy if Buyer fails to make such claim within such period.

Within 30 days after receipt of a timely claim, Quietaire shall have the option either to inspect the product while in Buyer's possession or to request Buyer to return the product to Quietaire at Buyer's expense for inspection by Quietaire. Quietaire shall replace, or at its option repair, free of charge, any product it determines to be defective, and it shall ship the repaired or replacement product to Buyer F.O.B. point of shipment; provided, however, if circumstances are such as Quietaire judgment to prohibit repair or replacement to remedy the warranted defects, the buyer's sole and exclusive remedy shall be a refund to the buyer of any part of the invoice price, paid to Quietaire for the defective product or part.

Quietaire is not responsible for the cost of removal of the defective product or part, damages due to removal, or any expenses incurred in shipping the product or part to or from Quietaire plant, or the installation of the repaired or replaced product or part.

Implied warranties, when applicable, shall commence upon the same date as the express warranty provided above, and shall except for warranties of title, extend only for the duration of the express warranty provided above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. The only remedy provided to you under an applicable implied warranty and the express warranty shall be the remedy provided under the express warranty, subject to the terms and conditions contained therein. Quietaire shall not be liable for incidental and consequential losses and damages under the express warranty, any applicable implied warranty, or claims for negligence, except to the extent that his limitation is found to be unenforceable under applicable state law. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

No employee, agent, dealer, or other person is authorized to give any warranties on behalf of Quietaire or to assume for Quietaire any other liability in connection with any of its products except in writing and signed by an officer of Quietaire.

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