

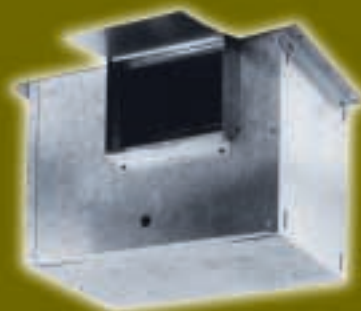
ACME Exhausters

CEILING, INLINE AND CABINET EXHAUSTERS

MODELS VQ AND VQL



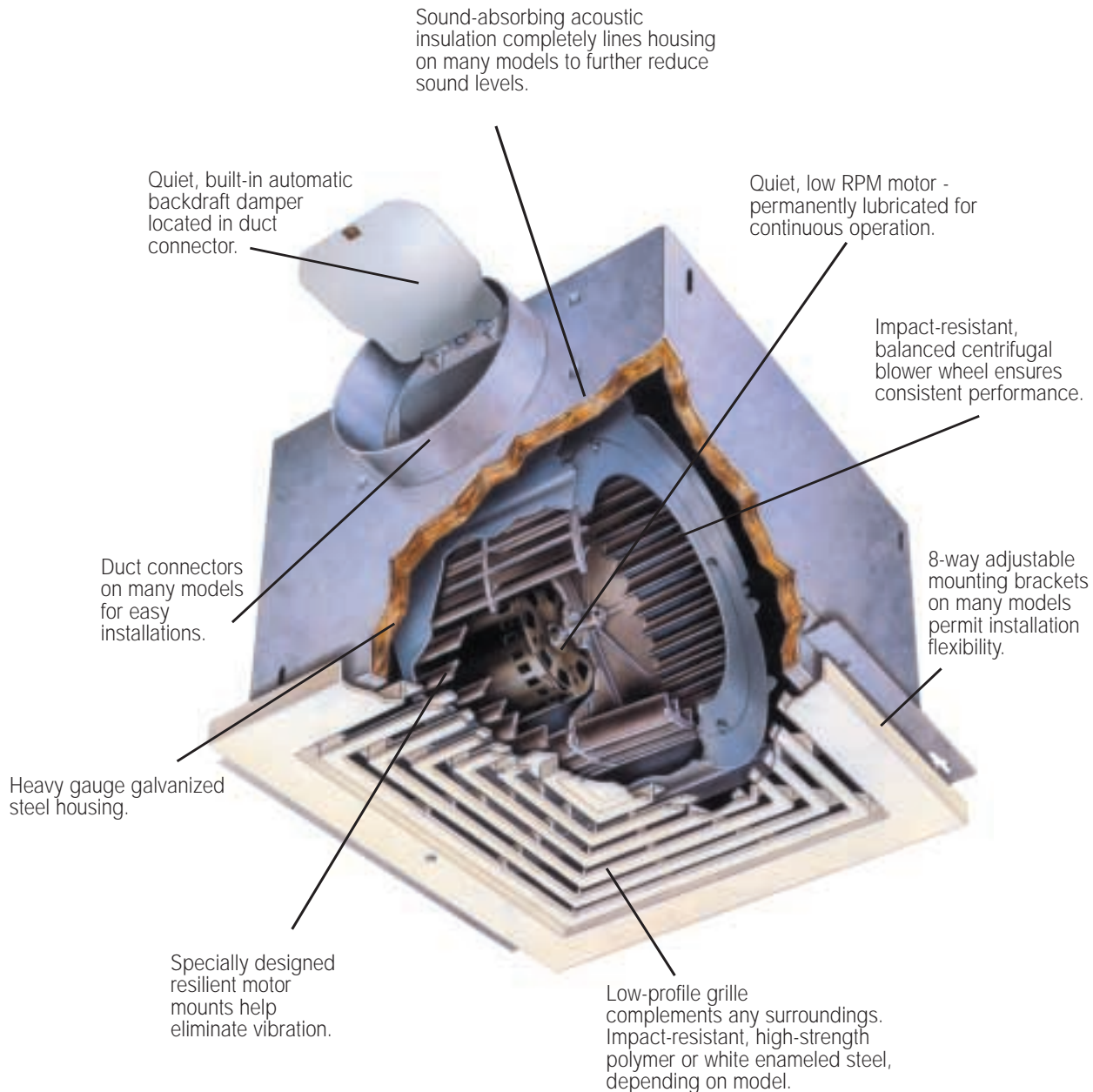
ACME ENGINEERING & MANUFACTURING CORPORATION / MUSKOGEE, OKLAHOMA



When QUIET is #1 ... choose the quietest exhausters in the industry

Acme VQ and VQL

Superior air and sound performance.



LICENSED RATINGS FOR SOUND AND AIR

Acme Engineering & Manufacturing Corporation certifies that the VQ and VQL Exhausters 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.



Acme VQ and VQL fans are available with UL listing mark.



"The New Industry Standard in Exhausters"

Acme VQ and VQL exhausters have been designed to give quality conscious architects, design engineers, builders and specifiers the ultimate in heavy duty, quiet ventilation.

Available from 50 to 3500 CFM, all units use centrifugal blower wheels and low RPM motors on resilient mounts. Most have acoustic insulation inside a rugged, heavy duty housing for further sound reduction.

Perfect for offices, conference rooms, bathrooms, hospital rooms... anywhere quiet, high-capacity ventilation is needed.

Features include:

- Equipped with electrical terminal box and plug-in disconnect inside housing
- Wiring plate allows unit to be wired from outside housing
- Low RPM motors mounted on resilient mounts for quiet, vibration-free operation
- Motors designed for continuous operation—permanently lubricated
- Acoustic insulation inside rugged, heavy gauge galvanized steel housings (VQ50, VQ80, and some in-line models not insulated)
- May be installed in ceiling or wall
- Balanced blower wheels for extremely low sound levels
- Attractive, low profile grilles
- May be ducted right angle, straight through or as an in-line blower (VQ50 and VQ80 right angle only)
- Quiet, built-in backdraft dampers (optional damper kit for VQL2000 and VQL3500)

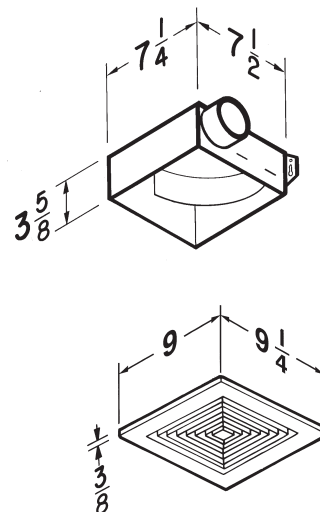
VQ CONSTRUCTION FEATURES

Model VQ50

50 CFM Ceiling Mount Exhauster



- 120 VAC, 1Ø, 60 Hz
- Durable polymeric blower wheel
- Torsion spring grille mounting – no tools needed
- Compact housing fits easily between wall studs
- Double strength steel mounting flanges with keyhole slots for fast, sturdy installation
- 3" round polymeric duct connector
- Low profile white polymeric grille

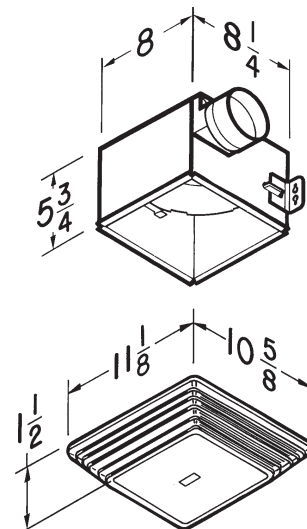


Model VQ80

80 CFM Ceiling Mount Exhauster



- 120 VAC, 1Ø, 60 Hz
- Impact-resistant polymeric centrifugal blower wheel and 4-pole motor for high capacity at low sound levels
- Built-in mounting brackets for quick, sturdy installation
- Torsion spring grille mounting – no tools needed
- 4" round polymeric duct connector
- White polymeric grille



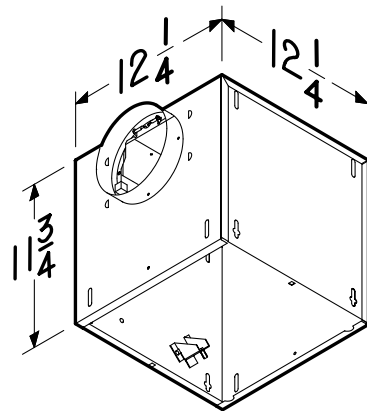
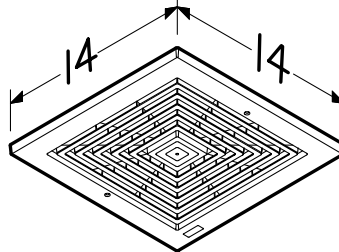
VQ CONSTRUCTION FEATURES

Models VQ100, VQ150, VQ200, VQ250, VQ300

100 – 150 – 200 – 250 – 300 CFM Ceiling Mount Exhausters



- 120 VAC, 1Ø, 60 Hz
- 220-240 VAC, 1Ø, 50/60 Hz
- 277 VAC, 1Ø, 60 Hz
- 6" round duct connector (VQ100, 150)
- 8" round duct connector (VQ200, 250, 300)
- Low profile white polymeric grille
- Single, impact-resistant centrifugal blower wheel
- Sound-absorbing acoustic insulation

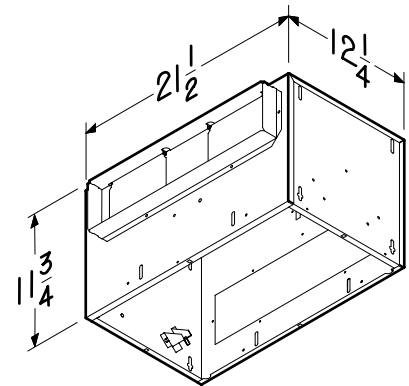
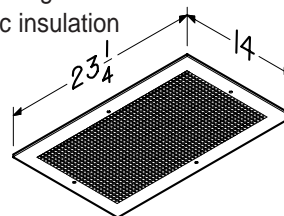


Models VQ400, VQ500, VQ700

400 – 500 – 700 CFM Ceiling Mount Exhausters



- 120 VAC, 1Ø, 60 Hz
- 220-240 VAC, 1Ø, 50/60 Hz
- 277 VAC, 1Ø, 60 Hz
- 4 1/2" x 18 1/2" duct connector
- Sturdy, low profile metal grille with white enamel finish
- Two impact-resistant centrifugal blower wheels
- Sound-absorbing acoustic insulation

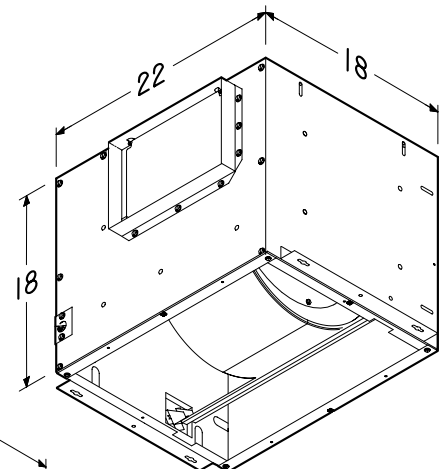
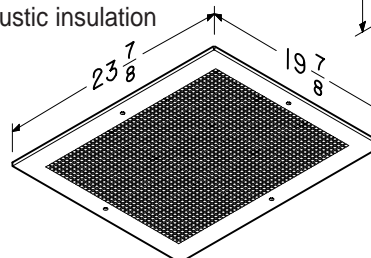


Models VQ900, VQ1500

900 – 1500 CFM Ceiling Mount Exhausters



- 120 VAC, 1Ø, 60 Hz
- 220-240 VAC, 1Ø, 50/60 Hz
- 277 VAC, 1Ø, 60 Hz
- 8" x 12" duct connector
- Sturdy, low profile metal grille with white enamel finish
- Single, impact-resistant centrifugal blower wheel
- Sound-absorbing acoustic insulation

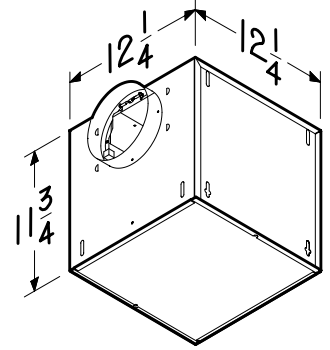


VQL CONSTRUCTION FEATURES

Models VQL100, VQL150, VQL200, VQL250, VQL300 100 – 150 – 200 – 250 – 300 CFM In-Line Exhausters



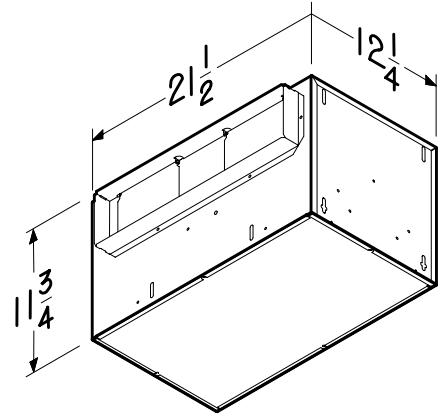
- 120 VAC, 1Ø, 60 Hz
- Two 6" round duct connectors (VQL100, 150)
- Two 8" round duct connectors (VQL200, 250, 300)
- Removable access panel
- Single impact-resistant centrifugal blower wheel



Models VQL400, VQL500, VQL700 400 – 500 – 700 CFM In-Line Exhausters



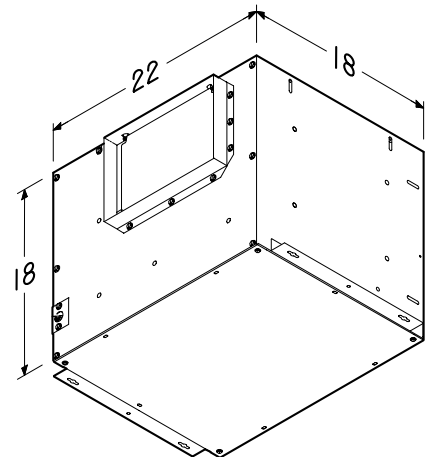
- 120 VAC, 1Ø, 60 Hz
- Two 4 1/2" x 18 1/2" duct connectors
- Removable access panel
- Two impact-resistant centrifugal blower wheels



Models VQL900, VQL1500 900 – 1500 CFM In-Line Exhausters



- 120 VAC, 1Ø, 60 Hz
- Two 8" x 12" duct connectors
- Removable access panel
- Single impact-resistant centrifugal blower wheel



CABINET EXHAUSTERS



(Shown with optional grille and damper kit)

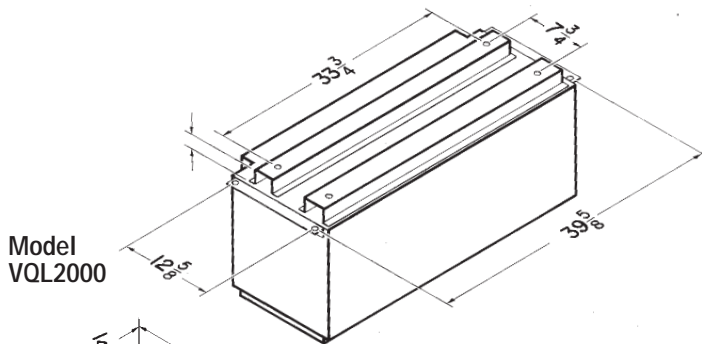
Acme VQL Cabinet Exhausters are perfect for large meeting rooms or institutional applications requiring up to 3500 CFM.

Like all Acme VQ and VQL units, our cabinet models are quiet-running, heavy-duty, specification-grade exhausters. Permanently lubricated ball bearing motors are designed for continuous operation. Resilient motor mounts and acoustic insulation lining our 20-gauge galvanized steel housing make them exceptionally quiet large air movers.

Acme VQL Cabinet Exhausters may be installed as either "straight thru" or "right angle" exhausters. Unique mounting brackets allow them to be installed quickly and easily in any of eight different positions.

Model VQL2000

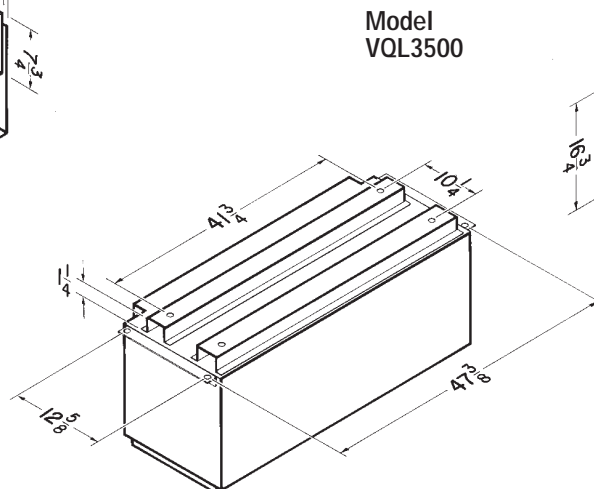
- 120 VAC, 1Ø, 60 Hz
- 7 $\frac{3}{4}$ " x 33 $\frac{3}{4}$ " duct connector
- Twin double-inlet metal blower wheels; 8" dia. x 7 $\frac{7}{8}$ " deep
- 20-gauge galvanized steel housing
- Sound-absorbing acoustic insulation



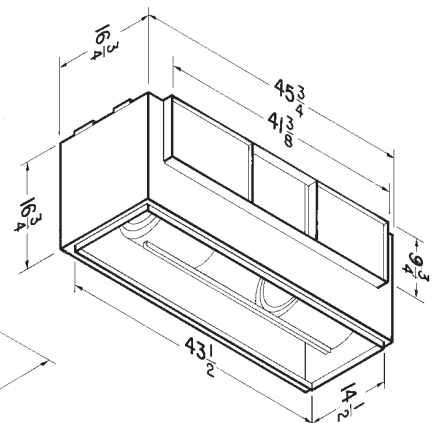
Model VQL2000

Model VQL3500

- 240 VAC, 1Ø, 60 Hz
- 9 $\frac{3}{4}$ " x 41 $\frac{3}{8}$ " duct connector
- Twin double-inlet metal blower wheels; 9" dia. x 8 $\frac{3}{4}$ " deep
- 20-gauge galvanized steel housing
- Sound-absorbing acoustic insulation



Model VQL3500



VQ CEILING MOUNT EXHAUSTERS PERFORMANCE DATA

| MODEL NO. | DISCHARGE | STATIC PRESSURES | | | | | | | | | | | | | | | | | | | | NOMINAL RPM | WATTS | AMPS @60Hz | SHIP WT. |
|-----------|------------------|------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------------|-------|------------|----------|
| | | 0.00" | | .100" | | .125" | | .250" | | .375" | | .500" | | .625" | | .750" | | .875" | | 1.00" | | | | | |
| | | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | | | | |
| VQ50 | Right Angle | 52 | 3.9 | 49 | 4.3 | 47 | 4.4 | 42 | 4.6 | 29 | 5.5 | | | | | | | | | | | 1870 | 48 | 0.7 | 5 lbs. |
| VQ80 | Right Angle | 89 | 2.7 | 88 | 3.2 | 87 | 3.3 | 77 | 3.6 | 59 | 3.9 | | | | | | | | | | | 1280 | 48 | 0.5 | 7 lbs. |
| VQ100 | Right Angle | 136 | 0.5 | 115 | 0.8 | 109 | 0.9 | 93 | 1.3 | 80 | 1.8 | 65 | 2.3 | 44 | 3.0 | 12 | 3.2 | | | | | 640 | 87 | 1.1 | 23 lbs. |
| | Straight Through | 138 | 0.7 | 117 | 0.9 | 112 | 1.0 | 94 | 1.3 | 80 | 1.8 | 67 | 2.2 | 46 | 2.8 | 13 | 3.0 | | | | | 650 | 87 | 1.1 | 23 lbs. |
| VQ150 | Right Angle | 181 | 1.3 | 161 | 1.4 | 157 | 1.5 | 141 | 2.2 | 132 | 2.6 | 124 | 3.1 | 114 | 3.6 | 94 | 4.1 | 62 | 4.6 | | | 710 | 100 | 1.3 | 23 lbs. |
| | Straight Through | 179 | 1.4 | 163 | 1.6 | 160 | 1.6 | 149 | 2.0 | 142 | 2.5 | 133 | 3.0 | 122 | 3.3 | 105 | 3.6 | 73 | 3.9 | 23 | 4.2 | 750 | 100 | 1.3 | 23 lbs. |
| VQ200 | Right Angle | 231 | 1.6 | 214 | 1.8 | 210 | 1.7 | 196 | 2.3 | 186 | 2.9 | 177 | 3.5 | 165 | 4.1 | 144 | 4.9 | 113 | 5.3 | 51 | 5.3 | 740 | 127 | 1.8 | 23 lbs. |
| | Straight Through | 224 | 1.5 | 210 | 1.8 | 207 | 2.0 | 197 | 2.3 | 187 | 2.7 | 179 | 3.4 | 167 | 4.0 | 144 | 4.5 | 99 | 5.1 | 41 | 5.2 | 760 | 127 | 1.8 | 23 lbs. |
| VQ250 | Right Angle | 272 | 2.1 | 261 | 2.3 | 259 | 2.2 | 250 | 2.9 | 242 | 3.3 | 233 | 3.9 | 218 | 4.4 | 201 | 4.8 | 165 | 5.5 | 99 | 5.8 | 830 | 166 | 2.1 | 23 lbs. |
| | Straight Through | 269 | 2.3 | 261 | 2.6 | 259 | 2.7 | 253 | 3.0 | 248 | 3.3 | 239 | 3.7 | 224 | 4.2 | 203 | 4.7 | 171 | 5.4 | 101 | 5.6 | 860 | 166 | 2.1 | 23 lbs. |
| VQ300 | Right Angle | 312 | 2.8 | 309 | 2.9 | 308 | 2.9 | 303 | 3.3 | 296 | 3.5 | 287 | 3.9 | 273 | 4.3 | 254 | 4.7 | 219 | 5.1 | 125 | 5.6 | 905 | 212 | 2.6 | 23 lbs. |
| | Straight Through | 319 | 2.6 | 314 | 2.9 | 313 | 3.0 | 306 | 3.4 | 299 | 3.6 | 288 | 3.9 | 274 | 4.4 | 251 | 4.7 | 219 | 5.0 | 120 | 5.5 | 940 | 212 | 2.6 | 23 lbs. |
| VQ400 | Right Angle | 480 | 2.0 | 442 | 2.4 | 434 | 2.3 | 388 | 2.8 | 344 | 3.3 | 299 | 3.8 | 229 | 4.5 | 182 | 4.8 | 114 | 5.4 | 33 | 5.6 | 735 | 146 | 1.4 | 34 lbs. |
| | Straight Through | 467 | 2.3 | 428 | 2.6 | 416 | 2.6 | 378 | 3.0 | 335 | 3.5 | 291 | 4.0 | 237 | 5.1 | 170 | 5.5 | 85 | 5.7 | 8 | 5.9 | 755 | 146 | 1.4 | 34 lbs. |
| VQ500 | Right Angle | 538 | 3.0 | 520 | 3.1 | 514 | 3.3 | 491 | 3.6 | 463 | 4.0 | 434 | 4.4 | 389 | 5.0 | 339 | 5.7 | 282 | 6.2 | 186 | 6.7 | 810 | 232 | 2.2 | 34 lbs. |
| | Straight Through | 539 | 2.9 | 517 | 3.1 | 512 | 3.2 | 481 | 3.4 | 451 | 3.8 | 418 | 4.2 | 367 | 4.8 | 319 | 5.9 | 247 | 6.3 | 137 | 6.4 | 865 | 232 | 2.2 | 34 lbs. |
| VQ700 | Right Angle | 722 | 4.5 | 704 | 4.6 | 701 | 4.7 | 667 | 4.8 | 640 | 5.0 | 607 | 5.2 | 571 | 5.6 | 534 | 6.2 | 453 | 7.1 | 333 | 7.2 | 960 | 313 | 2.9 | 33 lbs. |
| | Straight Through | 708 | 5.2 | 691 | 5.0 | 687 | 5.0 | 658 | 5.7 | 628 | 5.8 | 597 | 6.1 | 560 | 6.4 | 515 | 7.4 | 444 | 7.1 | 312 | 7.6 | 985 | 313 | 2.9 | 33 lbs. |
| VQ900 | Right Angle | 918 | 3.8 | 905 | 4.0 | 901 | 4.1 | 877 | 4.0 | 842 | 4.2 | 793 | 4.3 | 725 | 4.4 | 636 | 4.9 | 536 | 4.5 | 390 | 5.3 | 650 | 306 | 3.0 | 64 lbs. |
| | Straight Through | 909 | 3.8 | 892 | 3.4 | 885 | 3.4 | 850 | 3.5 | 807 | 3.6 | 756 | 3.7 | 695 | 3.9 | 568 | 4.2 | 440 | 4.3 | 282 | 4.4 | 650 | 306 | 3.0 | 64 lbs. |
| VQ1500 | Right Angle | 1578 | 8.6 | 1526 | 8.4 | 1513 | 8.4 | 1438 | 8.1 | 1371 | 7.5 | 1285 | 7.0 | 1198 | 6.7 | 1103 | 6.2 | 1000 | 5.8 | 816 | 5.8 | 955 | 468 | 5.0 | 64 lbs. |
| | Straight Through | 1590 | 8.5 | 1519 | 8.4 | 1502 | 8.4 | 1423 | 8.1 | 1340 | 7.9 | 1259 | 7.5 | 1176 | 7.2 | 1069 | 7.1 | 954 | 6.9 | 689 | 6.5 | 955 | 468 | 5.0 | 64 lbs. |

Performance ratings include the effects of inlet grille and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type B; free inlet fan sone levels. Performance shown is for Installations Type B; Free inlet, Ducted outlet.

VQL IN-LINE EXHAUSTERS PERFORMANCE DATA

| MODEL NO. | DISCHARGE | STATIC PRESSURES | | | | | | | | | | | | | | | | | | | | NOMINAL RPM | WATTS | AMPS @60Hz | SHIP WT. |
|-----------|------------------|------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------------|-------|------------|----------|
| | | 0.00" | | .100" | | .125" | | .250" | | .375" | | .500" | | .625" | | .750" | | .875" | | 1.00" | | | | | |
| | | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | | | | |
| VQL100 | Right Angle | 109 | 0.5 | 98 | 0.8 | 96 | 0.8 | 88 | 1.2 | 82 | 1.6 | 78 | 2.0 | 67 | 2.3 | 48 | 2.5 | 16 | 2.8 | | | 780 | 87 | 1.1 | 23 lbs. |
| | Straight Through | 121 | 0.5 | 108 | 0.7 | 106 | 0.7 | 97 | 1.1 | 93 | 1.4 | 86 | 1.8 | 70 | 2.1 | 44 | 2.4 | 17 | 2.6 | | | 760 | 87 | 1.1 | 23 lbs. |
| VQL150 | Right Angle | 144 | 1.2 | 138 | 1.4 | 137 | 1.4 | 131 | 1.6 | 123 | 1.9 | 114 | 2.1 | 102 | 2.4 | 83 | 2.5 | 54 | 2.7 | 17 | 2.9 | 950 | 100 | 1.3 | 23 lbs. |
| | Straight Through | 153 | 0.9 | 148 | 1.0 | 147 | 1.1 | 140 | 1.4 | 134 | 1.6 | 125 | 1.9 | 111 | 2.1 | 91 | 2.2 | 54 | 2.4 | 18 | 2.6 | 920 | 100 | 1.3 | 23 lbs. |
| VQL200 | Right Angle | 183 | 1.6 | 177 | 1.6 | 176 | 1.6 | 170 | 1.9 | 163 | 2.3 | 152 | 2.7 | 137 | 2.9 | 121 | 3.1 | 96 | 3.4 | 51 | 3.6 | 930 | 127 | 1.8 | 23 lbs. |
| | Straight Through | 205 | 1.7 | 196 | 1.9 | 195 | 1.9 | 190 | 2.1 | 185 | 2.3 | 175 | 2.4 | 158 | 3.0 | 135 | 3.3 | 96 | 3.4 | 47 | 3.4 | 865 | 127 | 1.8 | 23 lbs. |
| VQL250 | Right Angle | 229 | 2.4 | 224 | 2.5 | 222 | 2.6 | 214 | 2.8 | 204 | 3.0 | 193 | 3.2 | 177 | 3.4 | 157 | 3.7 | 132 | 3.8 | 95 | 3.8 | 1115 | 166 | 2.1 | 23 lbs. |
| | Straight Through | 248 | 2.0 | 245 | 2.3 | 245 | 2.3 | 241 | 2.6 | 235 | 2.8 | 224 | 3.2 | 208 | 3.4 | 183 | 3.6 | 141 | 3.9 | 84 | 3.8 | 1005 | 166 | 2.1 | 23 lbs. |
| VQL300 | Right Angle | 270 | 3.7 | 261 | 3.7 | 259 | 3.7 | 248 | 3.7 | 234 | 3.9 | 220 | 3.9 | 200 | 4.0 | 174 | 4.2 | 146 | 4.4 | 104 | 4.0 | 1285 | 212 | 2.6 | 23 lbs. |
| | Straight Through | 300 | 2.9 | 294 | 3.0 | 293 | 3.1 | 285 | 3.3 | 274 | 3.4 | 259 | 3.5 | 243 | 3.6 | 214 | 3.7 | 168 | 4.0 | 113 | 3.9 | 1145 | 212 | 2.6 | 23 lbs. |
| VQL400 | Right Angle | 442 | 1.6 | 415 | 1.7 | 408 | 1.7 | 372 | 2.0 | 336 | 2.4 | 296 | 2.6 | 239 | 3.1 | 193 | 3.4 | 111 | 3.9 | 28 | 4.1 | 875 | 146 | 1.4 | 34 lbs. |
| | Straight Through | 450 | 1.4 | 415 | 1.6 | 406 | 1.6 | 360 | 1.9 | 313 | 2.2 | 271 | 2.6 | 223 | 2.9 | 167 | 3.4 | 90 | 3.6 | 6 | 3.9 | 775 | 146 | 1.4 | 34 lbs. |
| VQL500 | Right Angle | 528 | 2.9 | 516 | 3.8 | 513 | 3.4 | 494 | 3.7 | 470 | 3.5 | 446 | 3.6 | 415 | 3.9 | 389 | 4.0 | 334 | 4.2 | 247 | 4.4 | 990 | 232 | 2.2 | 34 lbs. |
| | Straight Through | 546 | 2.4 | 526 | 2.4 | 519 | 3.4 | 496 | 3.7 | 472 | 3.9 | 447 | 3.8 | 407 | 3.9 | 364 | 4.0 | 306 | 4.3 | 232 | 4.3 | 890 | 232 | 2.2 | 34 lbs. |
| VQL700 | Right Angle | 680 | 5.0 | 667 | 5.0 | 663 | 5.0 | 644 | 5.3 | 621 | 5.2 | 594 | 5.1 | 557 | 5.3 | 513 | 5.5 | 440 | 5.4 | 342 | 5.5 | 1205 | 313 | 2.9 | 34 lbs. |
| | Straight Through | 704 | 3.6 | 686 | 3.8 | 681 | 3.7 | 656 | 3.9 | 631 | 4.0 | 604 | 4.2 | 575 | 4.3 | 533 | 4.4 | 480 | 4.7 | 412 | 5.0 | 1090 | 313 | 2.9 | 34 lbs. |
| VQL900 | Right Angle | 795 | 4.3 | 778 | 4.5 | 772 | 4.4 | 743 | 4.6 | 709 | 4.4 | 668 | 4.2 | 613 | 4.1 | 527 | 4.3 | 432 | 4.2 | 291 | 4.3 | 755 | 306 | 3.0 | 64 lbs. |
| | Straight Through | 930 | 3.7 | 902 | 3.8 | 894 | 3.8 | 853 | 3.8 | 807 | 3.7 | 754 | 3.8 | 685 | 3.9 | 587 | 4.0 | 442 | 4.0 | 300 | 4.1 | 810 | 306 | 3.0 | 64 lbs. |
| VQL1500 | Right Angle | 1160 | 7.9 | 1117 | 7.8 | 1106 | 7.9 | 1051 | 7.4 | 998 | 7.1 | 928 | 6.8 | 856 | 6.3 | 769 | 5.9 | 657 | 5.4 | 499 | 5.4 | 1020 | 468 | 5.0 | 64 lbs. |
| | Straight Through | 1275 | 6.8 | 1228 | 6.8 | 1214 | 6.7 | 1152 | 6.5 | 1092 | 6.3 | 1029 | 6.0 | 958 | 6.0 | 871 | 6.0 | 764 | 6.0 | 631 | 6.1 | 1055 | 468 | 5.0 | 64 lbs. |

Performance ratings include the effects of backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type D: Ducted inlet, Ducted outlet. Ratings do not include the effect of duct end correction. Performance ratings include the effects of 18 feet of round inlet duct, if needed, a rectangular to round duct transition in the airstream. Performance shown is for Installations Type D: Ducted inlet, Ducted outlet.

VQL CABINET EXHAUSTERS PERFORMANCE DATA

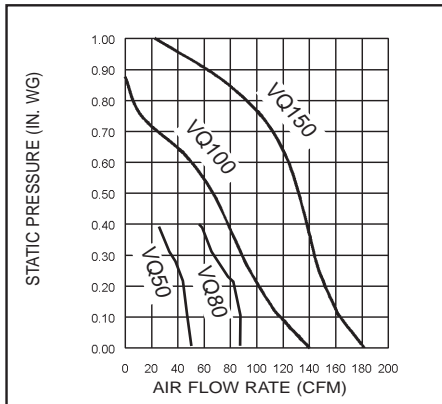
| MODEL NO. | DISCHARGE | STATIC PRESSURES | | | | | | | | | | | | | | | | | | | | NOMINAL RPM | WATTS | AMPS @60Hz | SHIP WT. |
|-----------|------------------|------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------------|-------|------------|----------|
| | | 0.00" | | .100" | | .125" | | .250" | | .375" | | .500" | | .625" | | .750" | | .875" | | 1.00" | | | | | |
| | | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | CFM | SONE | | | | |
| VQL2000 | Right Angle | 2070 | 11.1 | 1931 | 10.3 | 1898 | 10.1 | 1769 | 9.7 | 1609 | 9.4 | 1424 | 9.2 | 1314 | 8.5 | 795 | 7.0 | 288 | 6.7 | | | 1020 | 635 | 5.8 | 89 lbs. |
| | Straight Through | 1891 | 10.3 | 1803 | 9.8 | 1791 | 9.4 | 1657 | 9.0 | 1508 | 8.6 | 1347 | 9.1 | 1165 | 8.9 | 808 | 7.0 | 284 | 6.7 | | | 965 | 590 | 5.8 | 89 lbs. |
| VQL3500 | Right Angle | 3868 | 14.6 | 3714 | 14.2 | 3696 | 14.2 | 3537 | 13.3 | 3356 | 12.8 | 3168 | 12.5 | 2951 | 11.6 | 2671 | 11.4 | 2384 | 11.4 | 2005 | 13.4 | 1110 | 1205 | 5.4 | 144 lbs. |
| | Straight Through | 3605 | 15.3 | 3498 | 14.8 | 3452 | 14.5 | 3278 | 14.1 | 3073 | 13.1 | 2893 | 12.8 | 2679 | 12.1 | 2429 | 11.8 | 2093 | 11.9 | 1693 | 10.8 | 1105 | 1204 | 5.4 | 144 lbs. |

Performance ratings do not include the effects of appurtenances in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for Installation Type D: Ducted inlet, Ducted outlet. Ratings do not include the effect of duct end correction. Performance shown is for Installation Type D Ducted inlet, Ducted outlet.

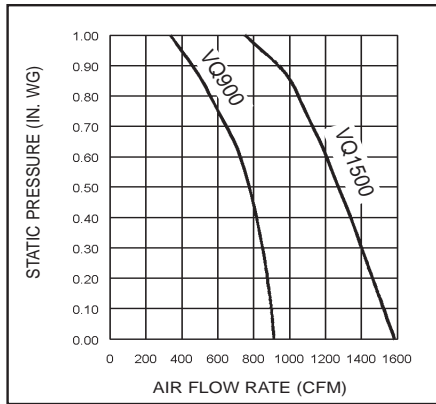


PERFORMANCE CURVES

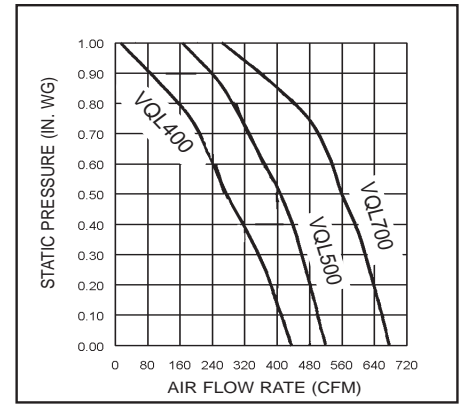
VQ50, 80, 100, 150



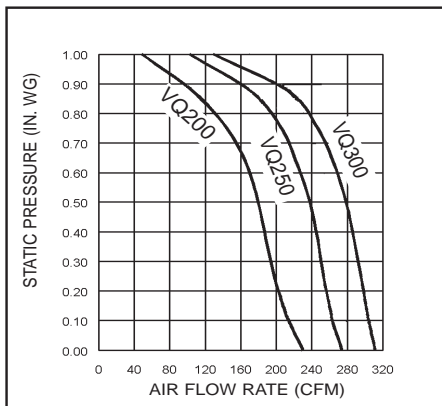
VQ900, 1500



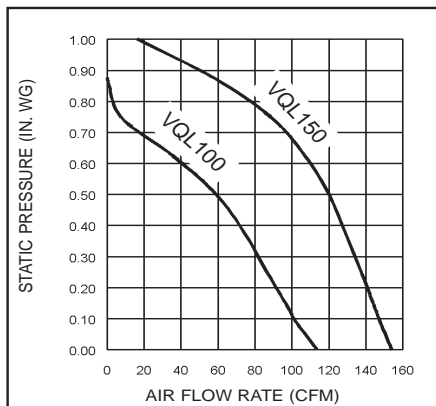
VQL400, 500, 700



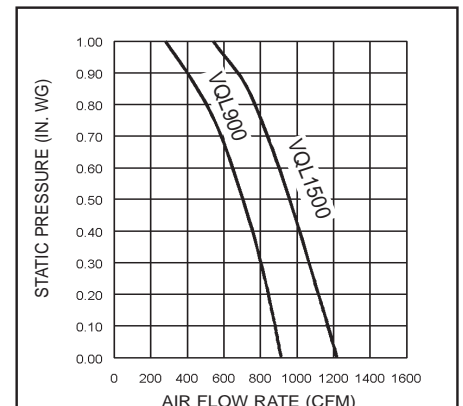
VQ200, 250, 300



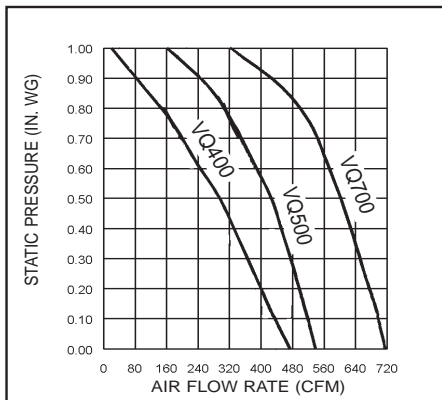
VQL100, 150



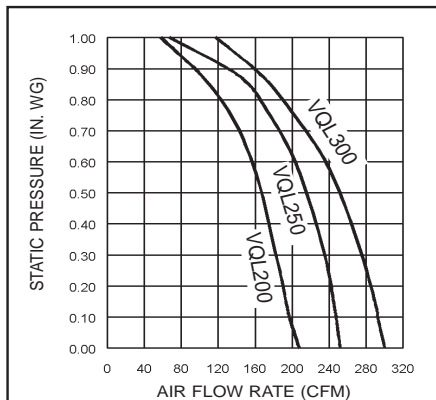
VQL900, 1500



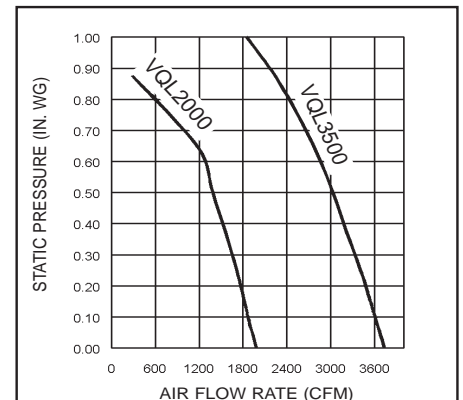
VQ400, 500, 700



VQL200, 250, 300

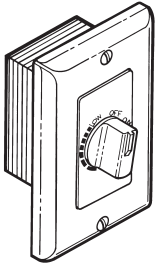


VQL2000, 3500



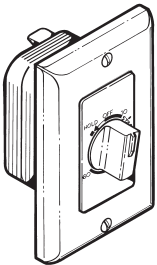
ACCESSORIES

WALL CONTROLS



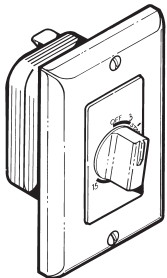
Model 57V (Ivory), 57W (White) Electronic Variable Speed Control

- Rotary dial for variable selection of fan speed and sound level
- Positive on/off position
- 120 VAC, 3.0 Amp



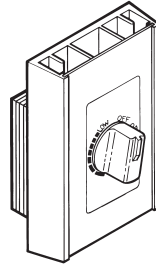
Model 59V (Ivory), 59W (White) 60-Minute Time Control

- Operates continuously or for any set period up to 60 minutes
- 120 VAC, 30 Amp or 240 VAC, 10 Amp



Model 61V (Ivory), 61W (White) 15-Minute Time Control

- Operates for any set period up to 15 minutes (no "continuous on" position)
- 120 VAC, 20 Amp or 240 VAC, 10 Amp



Model 72V (Ivory), 72W (White) Electronic Variable Speed Control

- Rotary dial for variable selection of fan speed and sound level
- Positive on/off position
- Switched wire included for additional use if desired (120 VAC, 6 Amps)
- For use with shaded pole or permanent split capacitor motors up to 6 Amps

Model 75V (Ivory) Electronic Variable Speed Control

- 240 VAC, 6 Amp capacity
- Other features same as Model 72V

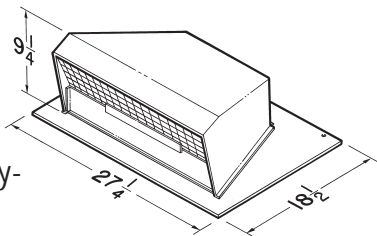
Model 277V (Ivory) Electronic Variable Speed Control

- 277 VAC, 6 Amp capacity

ROOF CAPS

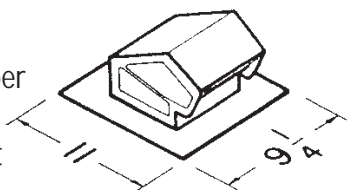
Model 437

- High-capacity design up to 1200 CFM
- Built-in bird screen
- Steel, black electrically-bonded epoxy finish



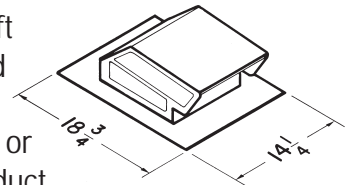
Model 636

- Steel, black electrically-bonded epoxy finish
- Built-in backdraft damper and bird screen
- For 3" or 4" round duct



Model 634P

- Steel, black electrically-bonded epoxy finish
- Built-in backdraft damper and bird screen
- For 3 1/4" x 10" or up to 8" round duct



Model 634M

- Same as Model 634P except with 6" round duct collar

Model 644

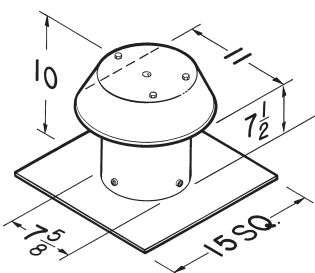
- Same as Model 634P except aluminum natural finish



ACCESSORIES

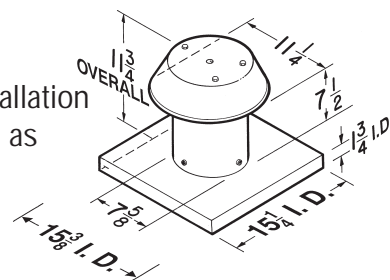
Model 611

- For flat roof installation
- Aluminum - natural finish
- Built-in bird screen
- For up to 8" round duct



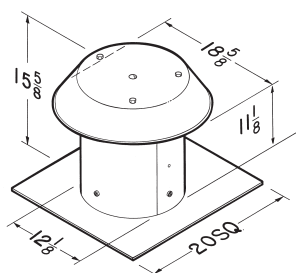
Model 611CM

- For curb mount Installation
- Other features same as Model 611



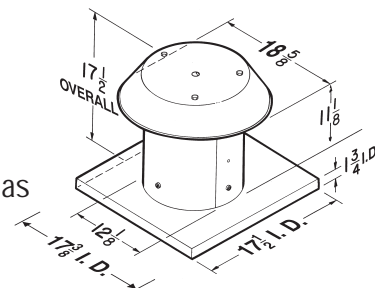
Model 612

- For flat roof installation
- Aluminum - natural finish
- Built-in bird screen
- For up to 12" round duct



Model 612CM

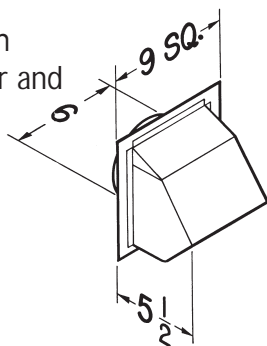
- For curb mount installation
- Other features same as Model 612



WALL CAPS

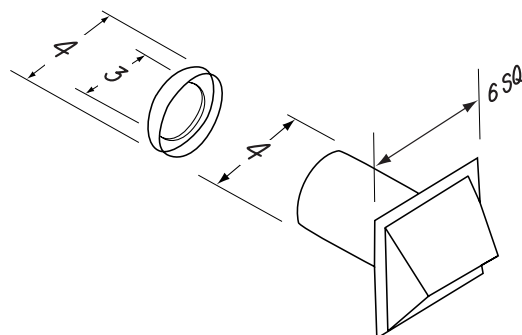
Model 641

- Aluminum - natural finish
- Built-in backdraft damper and bird screen
- For 6" round duct



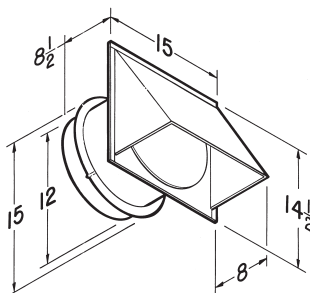
Model 885AL

- Aluminum - natural finish
- Built-in damper and bird screen
- For 3" or 4" round duct (4" to 3" transition included)



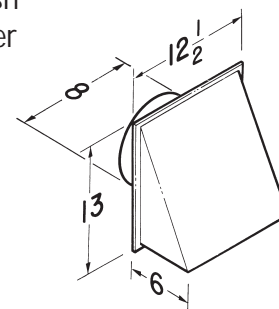
Model 613

- High capacity
- Built-in backdraft damper and bird screen
- Aluminum - natural finish
- For 12" round duct



Model 643

- Aluminum - natural finish
- Built-in backdraft damper
- For 8" round duct



ACCESSORIES

VIBRATION DAMPING HANGERS

Model VDH104

- Use with VQL2000 and 3500
- Set of 4
- Holes for 3/8" hanger rods



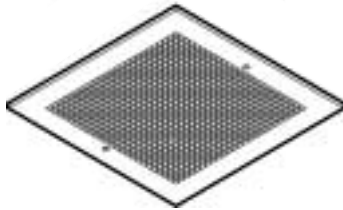
Model VDH100

- Use with VQ/VQL100 - 1500
- Set of 4
- Holes for 10-32 hanger rods

METAL GRILLE

Model MG1 and MG2 Metal Grille Kit

- White enamel painted steel
- Mounting screws included



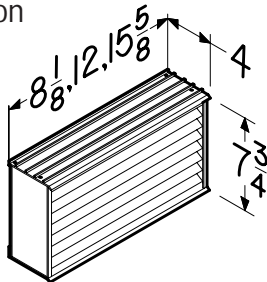
Model G102 and G103 Metal Grille Kit

- White enamel painted steel
- Mounting screws included
- G102 (16 1/4" x 39 5/8")
- G103 (18 3/8" x 47 1/4")

BRICK VENTS

Models BEX808, BEX128, & BEX157

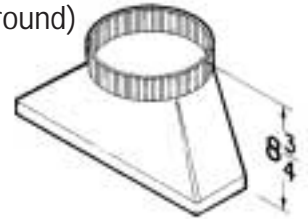
- Designed for installation in masonry walls
- Anodized aluminum construction
- Built-in aluminum mesh insect screen
- BEX808 (7 3/4" x 8 1/8" x 4")
- BEX128 (7 3/4" x 12" x 4")
- BEX157 (7 3/4" x 15 5/8" x 4")



DUCT TRANSITIONS

Model 423 & T81210 Duct Transitions

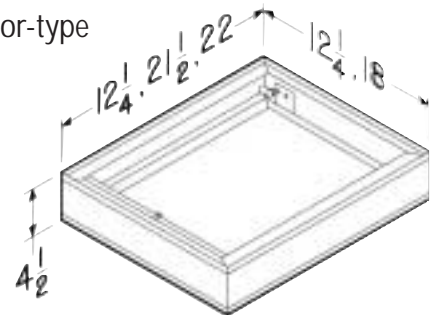
- Galvanized steel
- Allows for quick transition to easy-to-obtain-and-install round ducting
- 423 (4 1/2" x 18 1/2" to 10" round)
- T81210 (8" x 12" to 12" round)



RADIATION DAMPERS

Model SR1, SR2, & SR3 Radiation Dampers

- UL - Classified for use up to 3-hour fire-rated ceiling
- Galvanized steel frame
- High temperature, non-asbestos, reinforced fiber thermal fabric
- 165° F fusible link
- Stainless steel negator-type closure spring
- SR1 (12 1/4" x 12 1/4")
- SR2 (21 1/2" x 18")
- SR3 (22" x 18")

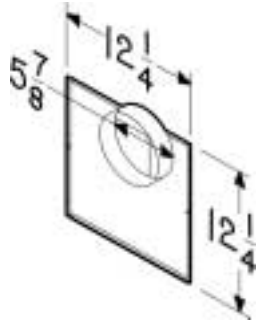


ACCESSORIES

IN-LINE ADAPTER KITS

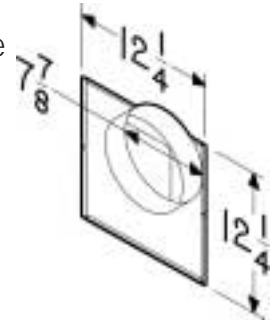
Model 961L In-Line Adapter Kit

- Galvanized steel
- Fits 6" round duct intake



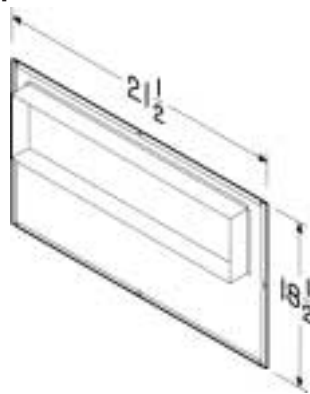
Model 981L In-Line Adapter Kit

- Galvanized steel
- Fits 8" round duct intake



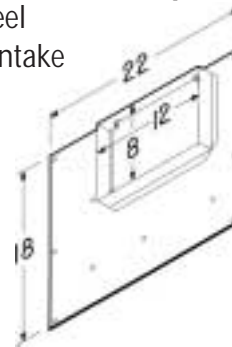
Model 982L In-Line Adapter Kit

- Galvanized steel
- Fits 4 1/2" x 18 1/2" intake



Model 983L In-Line Adapter Kit

- Galvanized steel
- Fits 8" x 12" intake



ACCESSORY GUIDE

| MODEL | DESCRIPTION | MODEL VO | | | | | | | MODEL VOL | | | | | | |
|-----------------------------|--|--------------|----------------|-------------------------|----------------|-------|-------|--------|------------------|----------------------------|----------------------------|--------|---------|---------|---------|
| | | VO50 VO80 | VO100 VO150 | VO200 VO250 VO300 | VO400 VO500 | VO700 | VO900 | VO1500 | VOL100 VOL150 | VOL200 VOL250 VOL300 | VOL400 VOL500 VOL700 | VOL900 | VOL1500 | VOL2000 | VOL3500 |
| CONTROLS | | | | | | | | | | | | | | | |
| 57V | 3 Amp. Speed Control—Ivory | • | • | • | • | • | | | • | • | • | | | | |
| 57W | 3 Amp. Speed Control—White | • | • | • | • | • | | | • | • | • | | | | |
| 72V | 6 Amp. Speed Control—Ivory | | | | | | • | • | | | | • | • | • | |
| 72W | 6 Amp. Speed Control—White | | | | | | • | • | | | | • | • | • | |
| 75V | 6 Amp. Speed Control—Ivory | | | | | | | | | | | | | | • |
| 277V | 6 Amp. Speed Control—Ivory | | • | • | • | • | • | • | | | | | | | |
| 59V | 60 Minute Timer—Ivory | • | • | • | • | • | • | • | • | • | • | • | • | | |
| 59W | 60 Minute Timer—White | • | • | • | • | • | • | • | • | • | • | • | • | | |
| 61V | 15 Minute Timer—Ivory | • | • | • | • | • | • | • | • | • | • | • | • | | |
| 61W | 15 Minute Timer—White | • | • | • | • | • | • | • | • | • | • | • | • | | |
| ROOF CAPS | | | | | | | | | | | | | | | |
| 634M | Steel, 3.25" x 10" Up To 6" Rd. Black | | • | | | | | | • | | | | | | |
| 634P | Steel, 3.25" x 10" Up To 8" Rd. Black | | • | • | | | | | • | • | | | | | |
| 644 | Alum., 3.25" x 10" Up To 8" Rd. | | • | • | | | | | • | • | | | | | |
| 611 | Flat, Alum., Up to 8" Rd. | | • | • | | | | | • | • | | | | | |
| 611CM | Flat, Alum., For Curb Mount, Up To 8" Rd. | | • | • | | | | | • | • | | | | | |
| 612 | Flat, Alum., Up To 12" Rd. | | | | • | • | • | • | | | • | • | • | | |
| 612CM | Flat, Alum., For Curb Mount, Up To 12" Rd. | | | | • | • | • | • | | | • | • | • | | |
| 437 | Steel, Up To 10" Rd. | | | | • | • | | | | | • | | | | |
| 636 | Steel, up to 4" Rd. | • | | | | | | | | | | | | | |
| WALL CAPS | | | | | | | | | | | | | | | |
| 641 | Aluminum, 6" Round | | • | | | | | | • | | | | | | |
| 885AL | Aluminum, 3"-4" Round | • | | | | | | | | | | | | | |
| 643 | Aluminum, 8" Round | | | • | | | | | | • | | | | | |
| 613 | Aluminum, 12" Round | | | | • | • | • | • | | | • | • | • | | |
| IN-LINE ADAPTERS | | | | | | | | | | | | | | | |
| 961L | In-Line Adapter Kit—6" Round | | • | | | | | | | | | | | | |
| 981L | In-Line Adapter Kit—8" Round | | | • | | | | | | | | | | | |
| 982L | In-Line Adapter Kit—4.5" x 18.5" | | | | • | • | | | | | | | | | |
| 983L | In-Line Adapter Kit—8" x 12" | | | | | | • | • | | | | | | | |
| RADIATION DAMPERS | | | | | | | | | | | | | | | |
| SR1 | Ceiling Radiation Damper | | • | • | | | | | | | | | | | |
| SR2 | Ceiling Radiation Damper | | | | • | • | | | | | | | | | |
| SR3 | Ceiling Radiation Damper | | | | | | • | • | | | | | | | |
| METAL GRILLE KIT | | | | | | | | | | | | | | | |
| MG1 | Metal Grille Kit | | • | • | | | | | | | | | | | |
| MG2 | Metal Grille Kit | • | | | | | | | | | | | | | |
| G102 | White Enameled 16.25" x 39.625" | | | | | | | | | | | | | • | |
| G103 | White Enameled 18.375" x 47.255" | | | | | | | | | | | | | | • |
| BRICK VENTS | | | | | | | | | | | | | | | |
| BEX 808 | Extruded Aluminum | | • | • | | | | | | | | | | | |
| BEX 128 | Extruded Aluminum | | | | • | | | | | | | | | | |
| BEX 157 | Extruded Aluminum | | | | | • | • | | | | | | | | |
| DUCT TRANSITIONS | | | | | | | | | | | | | | | |
| 423 | 4.5" x 18.5" to 10" Round | | | | • | • | | | | | • | | | | |
| T81212 | 8" x 12" to 12" Round | | | | | | • | • | | | | • | • | | |
| DAMPER KIT | | | | | | | | | | | | | | | |
| D100 | Twin Damper Flaps & Mntg Hdw. | | | | | | | | | | | | | • | |
| D101 | Twin Damper Flaps & Mntg Hdw. | | | | | | | | | | | | | | • |
| VIBRATION DAMPENING HANGERS | | | | | | | | | | | | | | | |
| VDH100 | Set of Four | | • | • | • | • | • | • | • | • | • | • | • | | |
| VDH104 | Set of Four | | | | | | | | | | | | | • | • |



Note: Drawings are for dimensional purposes only, which are correct within limits suitable for normal installation requirements and do not necessarily show actual construction. All dimensions are in inches.

TYPICAL SPECIFICATIONS

VQ50 and VQ80

Ceiling mounted exhausters shall be centrifugal direct drive type. The fan housing shall be constructed of heavy gauge galvanized steel and include keyhole slot mounting brackets for installation flexibility. Dynamically balanced fan wheel shall be constructed of high strength polymer. The grille shall be constructed of white impact-resistant polymer and attached to the fan housing with torsion springs. The motor shall be continuous duty, permanently lubricated and thermally protected and shall have resilient motor mounts to eliminate vibration. The access for wiring shall be external. The motor disconnect shall be internal and of the plug-in type. Integral duct connector and built-in automatic backdraft damper shall be standard.

Fans shall be covered by a 2 year limited warranty.

All fans shall bear the AMCA Certified Ratings Seal for Sound and Air and shall be U.L. Listed. Fans shall be Model VQ50 or VQ80 as supplied by Acme Engineering & Manufacturing Corporation, Muskogee, Oklahoma.

VQ100 through VQ1500

Ceiling mounted exhausters shall be centrifugal direct drive type. The fan housing shall be constructed of heavy gauge galvanized steel with sound-absorbing acoustic insulation and 8-way adjustable mounting brackets. Dynamically balanced fan wheel(s) shall be constructed of high strength polymer. The grille shall be constructed of white impact-resistant polymer (VQ100-300) or steel (VQ400-1500) with white enamel finish and attached to the fan housing with screws. The motor shall be continuous duty, permanently lubricated and thermally protected and shall have resilient motor mounts to eliminate vibration. The access for wiring shall be external. The motor disconnect shall be internal and of the plug-in type. Integral duct connector and built-in automatic backdraft damper shall be standard. The discharge shall be adjustable as right angle or straight through.

Fans shall be covered by a 2 year limited warranty.

All fans shall bear the AMCA Certified Ratings Seal for Sound and Air and shall be U.L. Listed. Fans shall be Model VQ as supplied by Acme Engineering & Manufacturing Corporation, Muskogee, Oklahoma.

VQL100 through VQL3500

Duct mounted exhausters shall be centrifugal direct drive type. The fan housing shall be constructed of heavy gauge galvanized steel with 8-way adjustable mounting brackets, and on fan sizes 2000-3500 shall include acoustic insulation. Dynamically balanced fan wheel(s) shall be constructed of high strength polymer on fan sizes 100-1500 and metal on fan sizes 2000-3500. The motor shall be continuous duty, permanently lubricated, thermally protected and have resilient motor mounts to eliminate vibration. The access for wiring shall be external. The motor disconnect shall be internal and of the plug-in type. Integral duct connection and built-in automatic backdraft damper shall be standard on fan sizes 100-1500. Fans shall have removable panel for easy access to motor and blower without disturbing ductwork. The discharge shall be adjustable as right angle or straight through.

Fans shall be covered by a 2 year warranty.

All fans shall bear the AMCA Certified Ratings Seal for Sound and Air and shall be U.L. Listed. Fans shall be Model VQL as supplied by Acme Engineering & Manufacturing Corporation, Muskogee, Oklahoma.

CENTRIFUGAL EXHAUSTERS



CEILING AND CABINET EXHAUSTERS



IN-LINE CENTRIFUGAL FANS



IN-LINE AXIAL FANS



PROPELLER ROOF FANS



PROPELLER WALL FANS



UTILITY BLOWERS



SUPPLY AIR FANS



ROOF VENTS



PLENUM FANS



BACKWARD INCLINED/AIRFOIL CENTRIFUGAL FANS



CENTRIFUGAL INDUSTRIAL EXHAUSTERS



LIMITED WARRANTY Acme Engineering and Manufacturing Corporation extends this limited warranty to the original buyer and warrants that products supplied by the Company shall be free from original defects in workmanship and materials for two years from date of shipment (except for Acme's exclusive duplex split pillow block bearings and shaft 5 years from shipment, belts one year from shipment, and polyethylene tubing at 90 days from shipping), provided same have been properly handled, stored, installed, serviced, maintained and operated. Refer to Form MS149 for complete limited warranty terms and conditions.

WARNING Acme products are designed and manufactured to provide reliable performance but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and this possibility should be recognized by the User. If these products are used in a life support ventilation system where failure could result in loss or injury, the User should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury.

WARNING DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical sys-

tem could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments.

CAUTION Guards must be installed when fan is within reach of personnel or within seven (7) feet (2.134 m) of working level or when deemed advisable for safety.

DISCLAIMER The Company has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions or dimension.



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