

ROOF MOUNT VENTILATOR

RMV SERIES by **AMERICAN**
aldes
VENTILATION CORPORATION

RMV-A Series Roof/Wall Mount Ventilator

Centrifugal type roof/wall exhausters suitable for residential or light commercial applications. Fans are designed for easy installation and can be mounted at any angle. RMV-A series fans are approved for use as remote mount exhausters with residential range hoods. Motors are capable of operating in air stream temperatures of up to 140°F. Fans are provided with their own base for mounting to a roof curb or flat flashing on shingle roofs. All units are 100% speed controllable through a decrease in voltage using either a solid state or transformer type speed control. RMV exhausters can be supplied with optional equipment including integral disconnect switch, duct mounting clamps, backdraft dampers, etc. Five models available with airflow ranging from 100 to 1000 cfm. All units are backed by American ALDES Three Year Warranty.

CONSTRUCTION Roof/Wall exhaust fans shall be of the centrifugal, direct driven type. Fan housing shall be constructed of heavy gauge galvanized sheet metal with a grey baked enamel finish. Fan base shall be permanently mounted to roof (flat flashing base) or to a curb (flanged base). Base shall be provided with a gasket seal to prevent leakage. A conduit chase shall be provided for running electrical wiring through the base into the fan terminal box. Integral disconnect switch shall be provided when specified.

Motorized impeller shall be an external rotor type, totally enclosed with permanent split capacitor. Motor shall be a permanently sealed self lubricating ball bearing type. Motor shall be equipped with automatic reset thermal overload protection. Motor shall be acceptable for continuous duty. Sufficient service factor shall be provided to ensure long maintenance free operation over maximum load conditions.

Fan wheel shall be of the backward inclined centrifugal type with a well designed inlet venturi for maximum performance. Motorized impeller shall be both statically and dynamically balanced as one integral unit to provide for vibration free performance.

PERFORMANCE Fan performance shall be based on tests conducted in accordance with AMCA Standard 210 and 300.

CODE APPROVAL

Fan shall be tested and approved by CSA for safety.

RMV-A Series shall be manufactured under the authority of American ALDES Ventilation Corp.

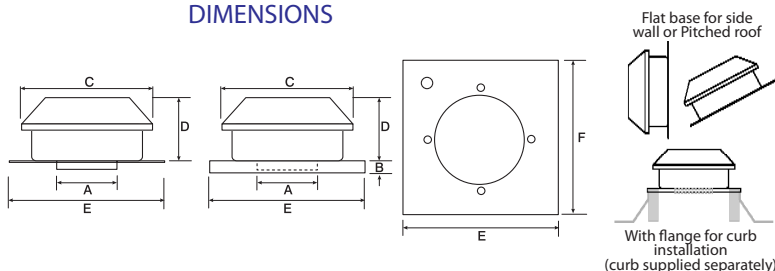
| RMV-A 4/5 AIR PERFORMANCE DATA | | | | | | | | | | | | | |
|----------------------------------|----------|------------|-----------|-------------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|
| VOLTS | Nom. RPM | Max. WATTS | Max. AMPS | AIRFLOW (cfm vs. Ps in. W.G.) | | | | | | | | | |
| | | | | 0.00" | .125" | .25" | .375" | .50" | .625" | .75" | 1.00" | 1.25" | 1.50" |
| 115 | 2950 | 20 | 0 | 120 | 110 | 105 | 85 | 75 | 60 | 40 | - | - | - |
| RMV-A 6 AIR PERFORMANCE DATA | | | | | | | | | | | | | |
| VOLTS | Nom. RPM | Max. WATTS | Max. AMPS | AIRFLOW (cfm vs. Ps in. W.G.) | | | | | | | | | |
| | | | | 0.00" | .125" | .25" | .375" | .50" | .625" | .75" | 1.00" | 1.25" | 1.50" |
| 75 | 1920 | 43 | 0 | 144 | 122 | 96 | 80 | 66 | 55 | - | - | - | - |
| SONES | | | | N/A | 4 | 3 | 4 | 4 | 5 | - | - | - | - |
| 85 | 2145 | 53 | 0 | 169 | 147 | 128 | 108 | 92 | 78 | 67 | 48 | - | - |
| SONES | | | | N/A | 5 | 4 | 5 | 6 | 7 | 9 | 9 | - | - |
| 115 | 2695 | 87 | 0 | 227 | 213 | 199 | 184 | 169 | 152 | 134 | 106 | 80 | 51 |
| SONES | | | | N/A | 8 | 7 | 7 | 8 | 9 | 10 | 12 | 11 | 11 |
| RMV-A 8HP AIR PERFORMANCE DATA | | | | | | | | | | | | | |
| VOLTS | Nom. RPM | Max. WATTS | Max. AMPS | AIRFLOW (cfm vs. Ps in. W.G.) | | | | | | | | | |
| | | | | 0.00" | .125" | .25" | .375" | .50" | .75" | 1.00" | 1.25" | 1.50" | 1.75" |
| 75 | 1830 | 80 | 1 | 234 | 189 | 149 | 118 | 101 | 81 | 64 | 47 | - | - |
| SONES | | | | N/A | 4 | 4 | 4 | 5 | 6 | 8 | N/A | - | - |
| 85 | 2100 | 98 | 1 | 284 | 246 | 209 | 177 | 154 | 121 | 100 | 80 | 58 | - |
| SONES | | | | N/A | N/A | 5 | 5 | 5 | 6 | 8 | 9 | 10 | - |
| 115 | 2830 | 148 | 1 | 401 | 382 | 362 | 341 | 319 | 271 | 230 | 192 | 159 | 129 |
| SONES | | | | N/A | N/A | N/A | 10 | 10 | 10 | 10 | 11 | 11 | 11 |
| RMV-A 10HP AIR PERFORMANCE DATA | | | | | | | | | | | | | |
| VOLTS | Nom. RPM | Max. WATTS | Max. AMPS | AIRFLOW (cfm vs. Ps in. W.G.) | | | | | | | | | |
| | | | | 0.00" | .125" | .25" | .375" | .50" | .75" | 1.00" | 1.25" | 1.50" | 1.75" |
| 75 | 2325 | 223 | 3 | 517 | 481 | 441 | 397 | 357 | 292 | 249 | 219 | 200 | 181 |
| SONES | | | | N/A | N/A | 8 | N/A | 6 | 6 | 7 | 8 | 9 | N/A |
| 85 | 2715 | 278 | 3 | 626 | 596 | 566 | 535 | 505 | 444 | 388 | 342 | 304 | 280 |
| SONES | | | | N/A | N/A | N/A | N/A | N/A | 9 | 9 | 9 | 9 | 10 |
| 115 | 3250 | 394 | 3 | 753 | 737 | 721 | 705 | 690 | 656 | 622 | 586 | 548 | 508 |
| SONES | | | | N/A | N/A | N/A | N/A | N/A | 16 | 16 | 15 | 14 | 13 |
| RMV-A 10HPT AIR PERFORMANCE DATA | | | | | | | | | | | | | |
| VOLTS | Nom. RPM | Max. WATTS | Max. AMPS | AIRFLOW (cfm vs. Ps in. W.G.) | | | | | | | | | |
| | | | | 0.00" | .125" | .25" | .375" | .50" | .625" | .75" | 1.00" | 1.25" | 1.50" |
| 115 | 2900 | 531 | 5 | 1008 | 979 | 949 | 919 | 890 | 860 | 831 | 766 | 695 | 609 |
| SONES | | | | 22 | 21 | 22 | 20 | 25 | N/A | 21 | 18 | N/A | N/A |

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 shown are for installation Type A: Free Inlet Fan Sone Levels.

| | A | B | C | D | E | F |
|------------------|-----|--------|----------|-----------|---------|---------|
| RMV-A4/5** | 5" | - | 9-1/2" | 6" | 15-1/2" | 15-1/2" |
| RMV-A4/5C* ** | 5" | 1-1/2" | 9-1/2" | 6" | 15-1/2" | 15-1/2" |
| RMV-A6 | 6" | - | 13-3/16" | 6-1/2" | 15-1/2" | 15-1/2" |
| RMV-A6C* | 6" | 1-1/2" | 13-3/16" | 6-1/2" | 15-1/2" | 15-1/2" |
| RMV-A8HP | 8" | - | 15-3/4" | 6" | 20" | 20" |
| RMV-A8HPC* | 8" | 1-1/2" | 15-3/4" | 6" | 20" | 20" |
| RMV-A10HP | 10" | - | 19-3/4" | 11-3/4" | 20" | 20" |
| RMV-A10HPC* | 10" | 1-1/2" | 19-3/4" | 11-3/4" | 20" | 20" |
| RMV-A10HPT | 10" | - | 19-3/4" | 12-11/16" | 20" | 20" |
| RMV-A10HPTC* 10" | 10" | 1-1/2" | 19-3/4" | 12-11/16" | 20" | 20" |

** Includes 5-4" reducer to allow use of 4" duct. *UNITS FOR INSTALLATION ON CURBS

DIMENSIONS



WARNING! DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials.

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