



## Aircon Corporation

P.O. Box 80446 • Memphis, Tennessee 38108  
 (901) 452-0230 • FAX (901) 452-0564  
 E-mail: sales@aircon-corporation.com  
 Website: www.aircon-corporation.com

## Reverse Air Units "RA" FILTERS

EFFECTIVE:  
 January 1, 2002

SUPERSEDES: January 1, 2000

### OPERATING REQUIREMENTS FOR AIRCON REVERSE AIR UNITS

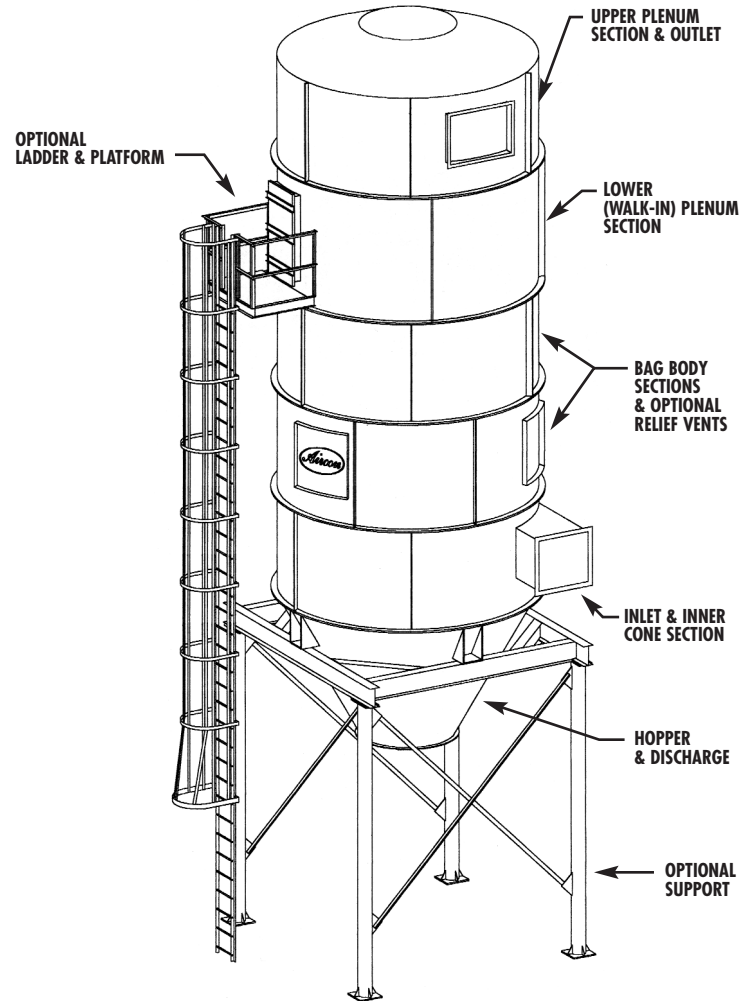
- 230/460 VAC, 60 Hz. three phase current required for reverse air blower motor and rotating cleaning arm motor

### STANDARD FEATURES FOR AIRCON REVERSE AIR UNITS

- 10 gauge steel construction to operate up to +/- 17" [wg]
- Bolted construction
- Exterior and interior lifting lugs
- Flanged inlet and flanged outlet with orientation per job
- 1 1/2" NPT sprinkler coupling in plenum
- 1 1/4" NPT electrical coupling in plenum
- 3/4" NPT thermocouple coupling in plenum
- 3/4" NPT explosion light coupling in plenum
- High-volume fan with TEFC explosion proof motor, NEMA 9, class II, groups E, F, & G
- Explosion proof 3/4 HP rotating cleaning arm motor, NEMA 9, class II, groups E, F, & G
- UHMW lined slide plate on rotating arm
- Differential pressure gauge
- Metal prepared with rust-inhibitive primer on both interior and exterior surfaces
- Unit painted Aircon gray
- 16 oz. singed polyester top-removal, snap-in bags with copper ground wire & top-removal galvanized bag cages
- Safety limit switch to lock-out power during plenum access
- Walk-in plenum access door with access platform
- Tangential inlet (clockwise or counterclockwise) with inner particle-deflection cone and vortex breaker
- 60° cone hopper flanged to housing
- 1 1/4" level indicator coupling in hopper
- 18" diameter clean-out door in discharge cone
- Installation & maintenance manuals

### OPTIONAL FEATURES OF AIRCON REVERSE AIR UNITS

- Pressure relief ventilation panels
- Structural steel support
- Other types of filter media
- Epoxy paint or regular paint per specified color
- Thermocouple to monitor temperature of discharge air
- Sprinkler system installed in plenum
- Level indicator in hopper
- Caged ladder & access platform
- Handrails surrounding top of plenum
- Stainless steel or epoxy-coated (carbon steel) bag cages



| Model #    | Number of Bags | Length of Bags | Filter Media Cloth Area (sq. ft) | Reverse Air Blower (HP) | Shipping Wt. (w/o Options) (lbs.) | FILTERING CAPACITY (cubic feet air/min.) AIR TO CLOTH RATIO |       |       |
|------------|----------------|----------------|----------------------------------|-------------------------|-----------------------------------|---|-------|-------|
|            |                |                |                                  |                         |                                   | 6:1   | 8:1   | 10:1  |
| 8RA100-8   | 100            | 8' - 0"        | 1204                             | 10                      | 7950                              | 7230  | 9630  | 12000 |
| 8RA100-10  | 100            | 10' - 0"       | 1505                             | 10                      | 8550                              | 9030  | 12000 | 15100 |
| 10RA144-8  | 144            | 8' - 0"        | 1734                             | 10                      | 9680                              | 10400   | 13900 | 17300 |
| 10RA144-10 | 144            | 10' - 0"       | 2168                             | 10                      | 10420                             | 13000   | 17300 | 21700 |
| 10RA144-12 | 144            | 12' - 0"       | 2601                             | 10                      | 11160                             | 15600   | 20800 | 26000 |
| 12RA236-8  | 236            | 8' - 0"        | 2842                             | 15                      | 13120                             | 17100   | 22700 | 28400 |
| 12RA236-10 | 236            | 10' - 0"       | 3553                             | 15                      | 14120                             | 21300   | 28400 | 35500 |
| 12RA236-12 | 236            | 12' - 0"       | 4263                             | 15                      | 15340                             | 25600   | 34100 | 42600 |
| 14RA296-8  | 296            | 8' - 0"        | 3565                             | 25                      | 15530                             | 21400   | 28500 | 35700 |
| 14RA296-10 | 296            | 10' - 0"       | 4456                             | 25                      | 16940                             | 26700   | 35600 | 44600 |
| 14RA296-12 | 296            | 12' - 0"       | 5347                             | 25                      | 18350                             | 32100   | 42800 | 53500 |
| 16RA412-8  | 412            | 8' - 0"        | 4962                             | 25                      | 29530                             | 29800   | 39700 | 49600 |
| 16RA412-10 | 412            | 10' - 0"       | 6202                             | 25                      | 31050                             | 37200   | 49600 | 62000 |
| 16RA412-12 | 412            | 12' - 0"       | 7442                             | 25                      | 32570                             | 44700   | 59500 | 74400 |
| 18RA520-10 | 520            | 10' - 0"       | 7828                             | 40                      | 34450                             | 47000   | 62600 | 78300 |
| 18RA520-12 | 520            | 12' - 0"       | 9393                             | 40                      | 36180                             | 56400   | 75100 | 93900 |

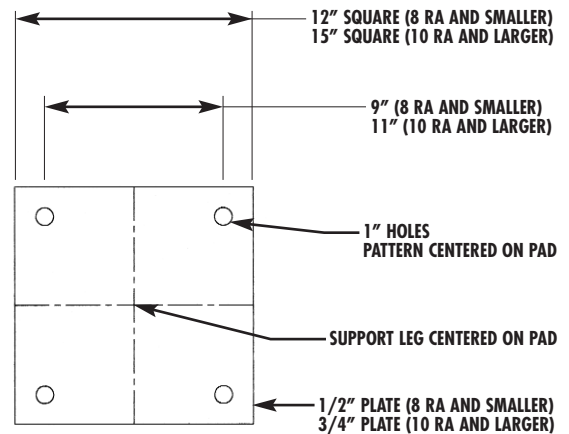
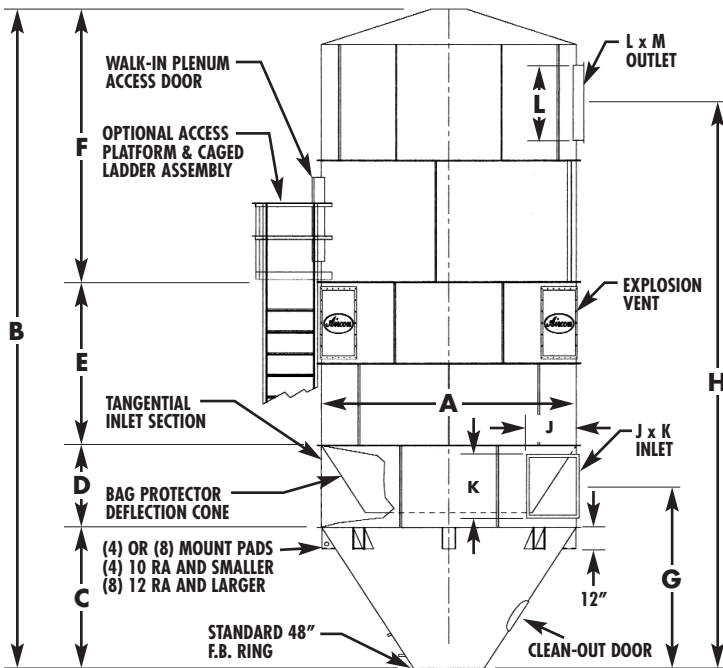
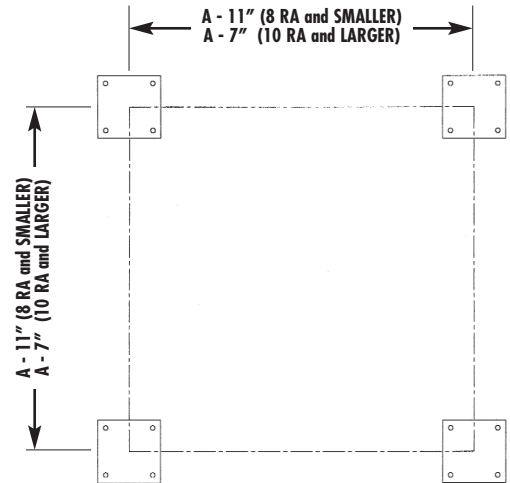
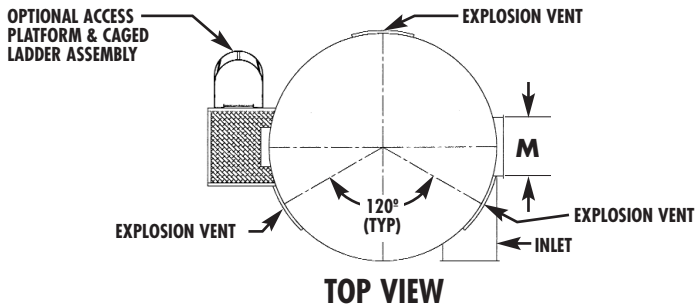


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**Reverse Air Units  
 "RA" FILTERS**

EFFECTIVE:  
**January 1, 2002**  
 SUPERSEDES: January 1, 2000



| Model #    | A        | B         | C        | D       | E        | F         | G         | H         | J x K     | L x M     |
|------------|----------|-----------|----------|---------|----------|-----------|-----------|-----------|-----------|-----------|
| 8RA100-8   | 8' - 0"  | 25' - 5"  | 2' - 8"  | 47 1/2" | 8' - 0"  | 10' - 10" | 4' - 8"   | 22' - 6"  | 24" x 36" | 24" x 33" |
| 8RA100-10  | 8' - 0"  | 27' - 5"  | 2' - 8"  | 47 1/2" | 10' - 0" | 10' - 10" | 4' - 8"   | 24' - 6"  | 24" x 36" | 24" x 33" |
| 10RA144-8  | 10' - 0" | 27' - 6"  | 4' - 5"  | 47 1/2" | 8' - 0"  | 11' - 3"  | 6' - 5"   | 24' - 3"  | 24" x 40" | 30" x 36" |
| 10RA144-10 | 10' - 0" | 29' - 6"  | 4' - 5"  | 47 1/2" | 10' - 0" | 11' - 3"  | 6' - 5"   | 26' - 3"  | 24" x 40" | 30" x 36" |
| 10RA144-12 | 10' - 0" | 31' - 6"  | 4' - 5"  | 47 1/2" | 12' - 0" | 11' - 3"  | 6' - 5"   | 28' - 3"  | 24" x 40" | 30" x 36" |
| 12RA236-8  | 12' - 0" | 33' - 7"  | 6' - 2"  | 71 1/2" | 8' - 0"  | 13' - 7"  | 9' - 1"   | 28' - 11" | 24" x 40" | 30" x 36" |
| 12RA236-10 | 12' - 0" | 35' - 7"  | 6' - 2"  | 71 1/2" | 10' - 0" | 13' - 7"  | 9' - 1"   | 30' - 11" | 24" x 40" | 30" x 36" |
| 12RA236-12 | 12' - 0" | 37' - 7"  | 6' - 2"  | 71 1/2" | 12' - 0" | 13' - 7"  | 9' - 1"   | 32' - 11" | 24" x 40" | 30" x 36" |
| 14RA296-8  | 14' - 0" | 35' - 8"  | 7' - 11" | 71 1/2" | 8' - 0"  | 13' - 11" | 10' - 10" | 30' - 8"  | 44" x 60" | 40" x 60" |
| 14RA296-10 | 14' - 0" | 37' - 8"  | 7' - 11" | 71 1/2" | 10' - 0" | 13' - 11" | 10' - 10" | 32' - 8"  | 44" x 60" | 40" x 60" |
| 14RA296-12 | 14' - 0" | 39' - 8"  | 7' - 11" | 71 1/2" | 12' - 0" | 13' - 11" | 10' - 10" | 34' - 8"  | 44" x 60" | 40" x 60" |
| 16RA412-8  | 16' - 0" | 37' - 9"  | 9' - 7"  | 71 1/2" | 8' - 0"  | 14' - 4"  | 12' - 7"  | 32' - 5"  | 64" x 60" | 48" x 72" |
| 16RA412-10 | 16' - 0" | 39' - 9"  | 9' - 7"  | 71 1/2" | 10' - 0" | 14' - 4"  | 12' - 7"  | 34' - 5"  | 64" x 60" | 48" x 72" |
| 16RA412-12 | 16' - 0" | 41' - 9"  | 9' - 7"  | 71 1/2" | 12' - 0" | 14' - 4"  | 12' - 7"  | 36' - 5"  | 64" x 60" | 48" x 72" |
| 18RA520-10 | 18' - 0" | 41' - 11" | 11' - 5" | 71 1/2" | 10' - 0" | 14' - 8"  | 14' - 4"  | 36' - 2"  | 78" x 60" | 60" x 72" |
| 18RA520-12 | 18' - 0" | 43' - 11" | 11' - 5" | 71 1/2" | 12' - 0" | 14' - 8"  | 14' - 4"  | 38' - 2"  | 78" x 60" | 60" x 72" |

Information on this page for quotation purposes only, not for construction unless certified. Data subject to change without notice. All dimensions are in inches unless noted.