

ADVANTAGE 3" DUCT FIRE RATED EXHAUST FAN SERIES

The Advantage 3" Duct Fire Rated Exhaust Fan Series is an economical solution when a Ceiling Radiation Damper is required.



- **Grill:** Cold rolled steel, powder coated white.
- **Blower Wheel:** One piece polymeric wheel, 4 1/2" diameter, 1" wide, with 10 blades.
- **Motor:** Single coil plug-in, two pole motor, life time lubrication, thermally protected.
- **Fan Housing:** 24 gauge galvanized steel housing.
- **Duct Collar:** Metal collar for 3" duct connection, comes complete with built in back draft damper.
- **Unit Mounting:** Unit is centered between joists (with 16" centers) using hanging brackets. The housing will mount through drywall thickness up to 3/4".

• **Damper:**

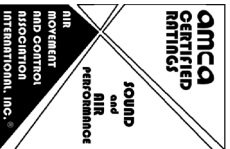
Blanket - Non-asbestos, ceramic blanket
Fusible Link - Replaceable, 165°F standard
Classification - Ceiling Radiation Damper is ULC classified and rated for a 3-4 hour fire resistance. U.L. listed 555C, California State Marshall classification for 1 or 2 hour fire damper rating. California State Marshall listing number 3225-1374-101.

- **Availability:** Single Packs or sold in Contractor Packs of 6 (Housing, Damper, Motor/Blade/Grill).

MODEL	MOTOR	HOUSING	DAMPER	CFM/SONES @ P.S.T W.G.	HPM	HVI
FRAS50	FA50T	AKFH1	AKFD1	47/4.0	2250	3.0
FRAS60	FA60T	AKHH1	AKFD1	60/5.7	2500	4.5
FRAS70	FA70T	AKH11	AKFD1	66/6.9	2750	5.0

Performance shown is for FRAK exhaust models for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille, ceiling radiation damper and backdraft damper in the air stream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The loudness ratings shown are loudness values in fan sones at 9 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type B: free inlet fan sone levels. The AMCA Certified Ratings Seal does not apply to HVJ Sones.

Specifications subject to change without notice.

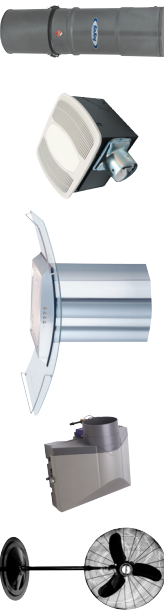


Air King Ventilation Products certifies that the models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 311 and AMCA Publication 317 and comply with the requirements of the Certified Ratings Program.



Join Air King in the future of Ventilation!

For more information about the Fire Rated Exhaust Fans Series or Air Kings complete line of Exhaust Fans, Range Hoods, and Building Products, visit the Air King web site at www.airkinglimited.com or contact your local sales representative.



United States
 820 Lincoln Avenue • West Chester, PA 19380 • 877-304-3785
Canada
 110 Glidden Road • Brampton, Ontario L6T 2J3 • 800-250-8767
www.airkinglimited.com



**FIRE RATED EXHAUST
FAN SERIES**

www.airkinglimited.com



WHAT IS A FIRE RATED EXHAUST FAN?

The Air King Fire Rated Exhaust Fan Series consists of a three part system designed to meet the NFPA's (National Fire Protection Association) Standard 90A. The unit consists of a Housing, a Ceiling Radiation Damper that is ULC Classified and rated for 3 - 4 hour fire resistance, and the Motor/Blade/Grill. When all three of these parts are used together they create a Fire Rated Exhaust Fan.

WHAT DOES A FIRE RATED EXHAUST FAN DO?

The Fire Rated Exhaust Fan Series is designed to automatically shut off and seal the duct from the rest of the dwelling once the temperature of air passing through the damper exceeds that of the fusible link. This prevents the spread of smoke or fire through the ducting system to the other rooms or dwellings.

WHY DO I NEED A FIRE RATED EXHAUST FAN?

Your local code will dictate if and what type of Fire Rated Exhaust Fan you will need. Generally any time a common duct is used in a multi-dwelling situation, a Fire Rated Exhaust Fan will be required to prevent fire from using the common ducting to spread from one dwelling to the next. This is usually true in commercial and multi-family housing constructions.



DELUXE QUIET FIRE RATED EXHAUST FAN SERIES

The Deluxe Quiet Fire Rated Exhaust Fan Series combines style and quiet operation with a Ceiling Radiation Damper.



- **Grill:** Cold rolled steel, powder coated white.
 - **Blower Wheel:** One piece polymeric centrifugal blower wheel, 5 7/32" diameter, 2 29/32" wide, with 30 blades.
 - **Motor:** Heavy duty, permanently split capacitor, 4 pole motor, life time lubrication, thermally protected.
 - **Fan Housing:** 24 gauge galvanized steel housing.
 - **Duct Collar:** Metal collar for 4" duct connection, comes complete with built in back draft damper.
 - **Unit Mounting:** Unit is centered between joists (with 16" centers) using hanging brackets. The housing will mount through drywall thickness up to 3/4".
 - **Damper:**
 - **Blanket** - Non-asbestos, ceramic blanket
 - **Fusible Link** - Replaceable, 165°F standard
- Classification** - Ceiling Radiation Damper is ULC classified and rated for a 3-4 hour fire resistance. U.L. listed 555C, California State Marshall classification for 1 or 2 hour fire damper rating. California State Marshall listing number 3225-1374-101.
- **Availability:** Single Packs or sold in Contractor Packs of 4 (Housing, Damper, Motor/Blade/Grill).

ADVANTAGE 4" DUCT FIRE RATED EXHAUST FAN SERIES

The Advantage 4" Duct Fire Rated Exhaust Fan Series combines high performance with a Ceiling Radiation Damper.

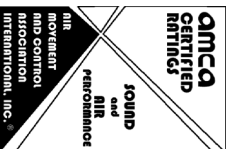


- **Grill:** Cold rolled steel, powder coated white.
 - **Blower Wheel:** One piece polymeric wheel, 5 7/32" diameter, 2 3/8" wide, with 48 blades.
 - **Motor:** Heavy duty, plug-in, permanently split capacitor, 4 pole motor, life time lubrication, thermally protected.
 - **Fan Housing:** 24 gauge galvanized steel housing.
 - **Duct Collar:** Metal collar for 4" duct connection, comes complete with built in back draft damper.
 - **Unit Mounting:** Unit is centered between joists (with 16" centers) using hanging brackets. The housing will mount through drywall thickness up to 3/4".
 - **Damper:**
 - **Blanket** - Non-asbestos, ceramic blanket
 - **Fusible Link** - Replaceable, 165°F standard
- Classification** - Ceiling Radiation Damper is ULC classified and rated for a 3-4 hour fire resistance. U.L. listed 555C, California State Marshall classification for 1 or 2 hour fire damper rating. California State Marshall listing number 3225-1374-101.
- **Availability:** Single Packs or sold in Contractor Packs of 4 (Housing, Damper, Motor/Blade/Grill).

MODEL	MOTOR	HOUSING	DAMPER	CFM/SONES @ P _s , T _{wg}	RPM	SONES	HVI
FRAK80	FAK80T	AKFH2	AKFD2	80/2.6	1250	1.5	1.5
FRAK90	FAK90T	AKFH2	AKFD2	90/2.9	1250	2.0	2.0
FRAK110	FAK110T	AKFH2	AKFD2	110/3.5	1250	2.5	2.5
FRAK130	FAK130T	AKFH2	AKFD2	120/3.6	1250	3.0	3.0

Performance shown is for FRAK exhaust models for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille, ceiling radiation damper and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The loudness 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 B, free inlet fan some levels. The AMCA Certified Ratings Seal does not apply to HVI Sones.

Specifications subject to change without notice.

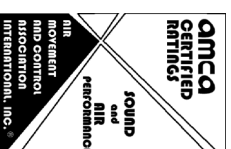


Air King Ventilation Products certifies that the models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 511 and comply with the requirements of the Certified Ratings Program.

MODEL	MOTOR	HOUSING	DAMPER	CFM/SONES @ P _s , T _{wg}	RPM	SONES	HVI
FRA90	FA90T	AKFH2	AKFD2	90/3.1	1250	2.5	2.5
FRA120	FA120T	AKFH2	AKFD2	120/3.7	1300	3.0	3.0

Performance shown is for FRAK exhaust models for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille, ceiling radiation damper and backdraft damper in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The loudness 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 B, free inlet fan some levels. The AMCA Certified Ratings Seal does not apply to HVI Sones.

Specifications subject to change without notice.



Air King Ventilation Products 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 511 and comply with the requirements of the Certified Ratings Program.