
SUPPLEMENTAL INSTRUCTIONS

Fresh Air Damper with Barometric Exhaust (FAD-BE5) and without Barometric Exhaust (FAD-NE5)



Damper kit includes:

- (1) 543-222 intake blank off plate
- (1) 543-220 exhaust blank off plate (FAD-NE5 only)
- (1) 539-406 FAD assembly
- (1) 539-410 barometric exhaust assembly (FAD-BE5 only)
- (1) 139-413 barometric exhaust partition (FAD-BE5 only)
- (10) 1012-086 screw type AB HXWHD#10-16X1/2
- (1) 7960-818* supplemental instructions

BMC, Inc.
Bryan, Ohio 43506

Manual : 7960-818F
Supersedes: 7960-818E
Date: 7-27-23

Installation

WARNING

Electrical shock hazard.

Disconnect remote electrical power supply or supplies before servicing.

Failure to do so could result in electric shock or death.

WARNING

Exposed moving parts.

Disconnect electrical power before servicing.

Failure to do so could result in severe injury or amputation.

CAUTION

Cut hazard.

Wear gloves to avoid contact with sharp edges.

Failure to do so could result in personal injury.

Disconnect all power to unit (see Figure 1).

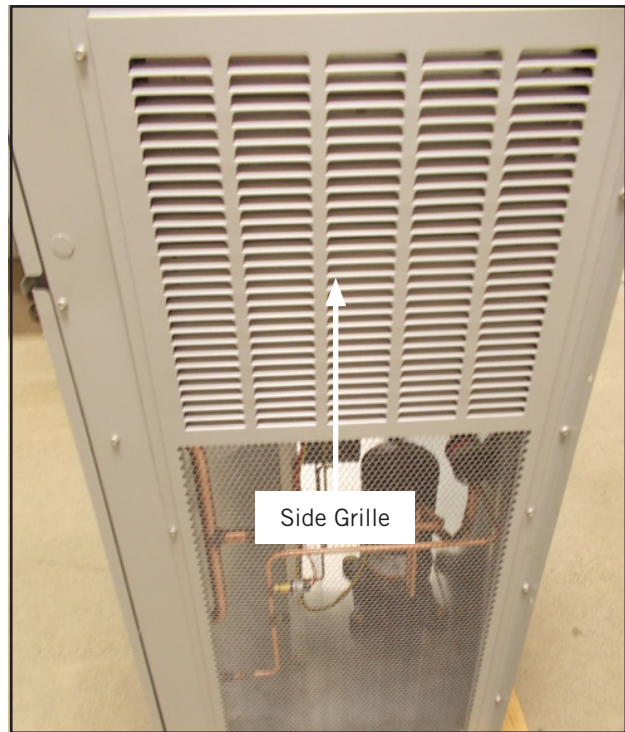
FIGURE 1
Disconnect Power



IMPORTANT: Sheet metal has sharp edges. The use of personal protective equipment (PPE) is required.

Remove right side grille (see Figure 2).

FIGURE 2
Remove Side Grille



Remove intake blank off plate from right side and discard (see Figure 3).

FIGURE 3
Remove Right Side Intake Blank Off Plate



FAD-NE5 Installations

If an exhaust blank off plate is not already in place, install the blank off plate through return opening or right side intake opening using six (6) 1012-086 screws (see Figure 4).

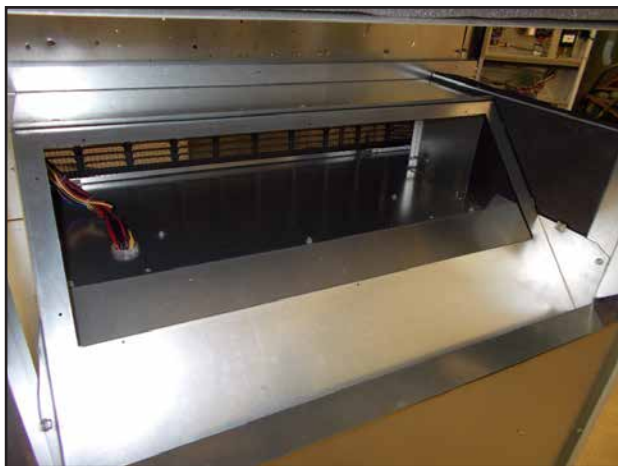
FIGURE 4
Exhaust Blank Off Plate



FAD-BE5 Installations

If an exhaust blank plate is already in place, remove the existing blank off plate through return or through right side intake opening and discard (see Figure 4). Figure 5 shows exhaust after blank off plate is removed. Barometric exhaust will be installed in same location.

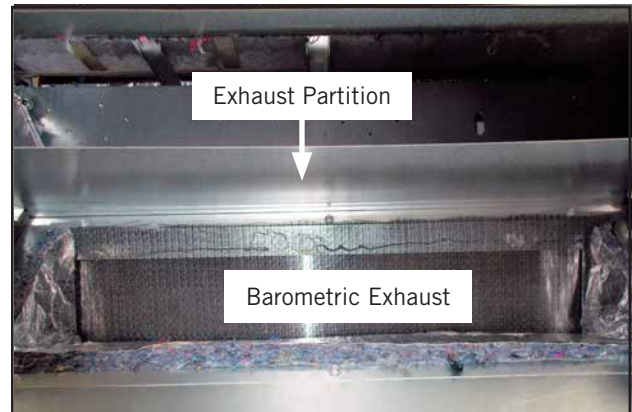
FIGURE 5
Exhaust After Blank Off Plate is Removed



FAD-NE5 Installations: Skip to instructions following Figure 6.

Install barometric exhaust through return or through right side intake opening. Then install the exhaust partition (from the top of the exhaust to the grille) to divide the return opening. The plate should come out of the return opening and be flush with the grille (see Figure 6).

FIGURE 6
Barometric Exhaust and Partition installed



Screw must be removed from FAD blade adjustment bracket before installation to ensure the correct fit (see Figure 7).

FIGURE 7
Remove FAD Blade Adjusting Screw



Install FAD on right side of unit. After installation, remove two (2) screws fastening the blade (see Figure 8).

After installation of the FAD components, re-install the right side grille and restore power to the unit.

FIGURE 8
Remove Blade Screws

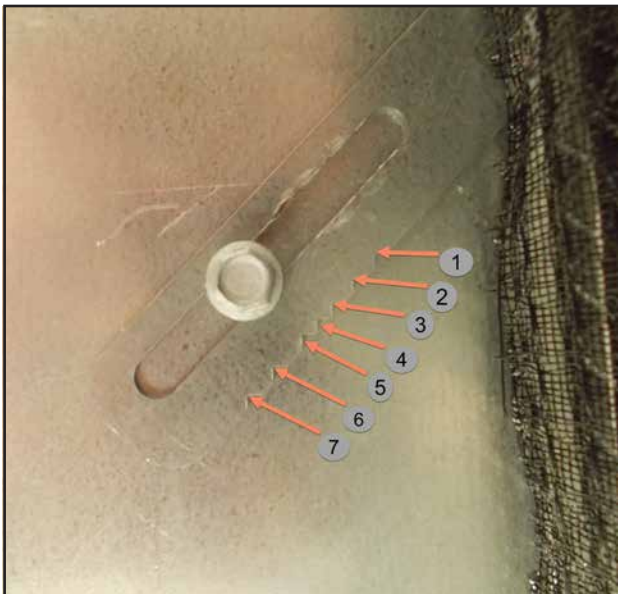


Re-install screw in FAD blade adjustment bracket (see Figure 9).

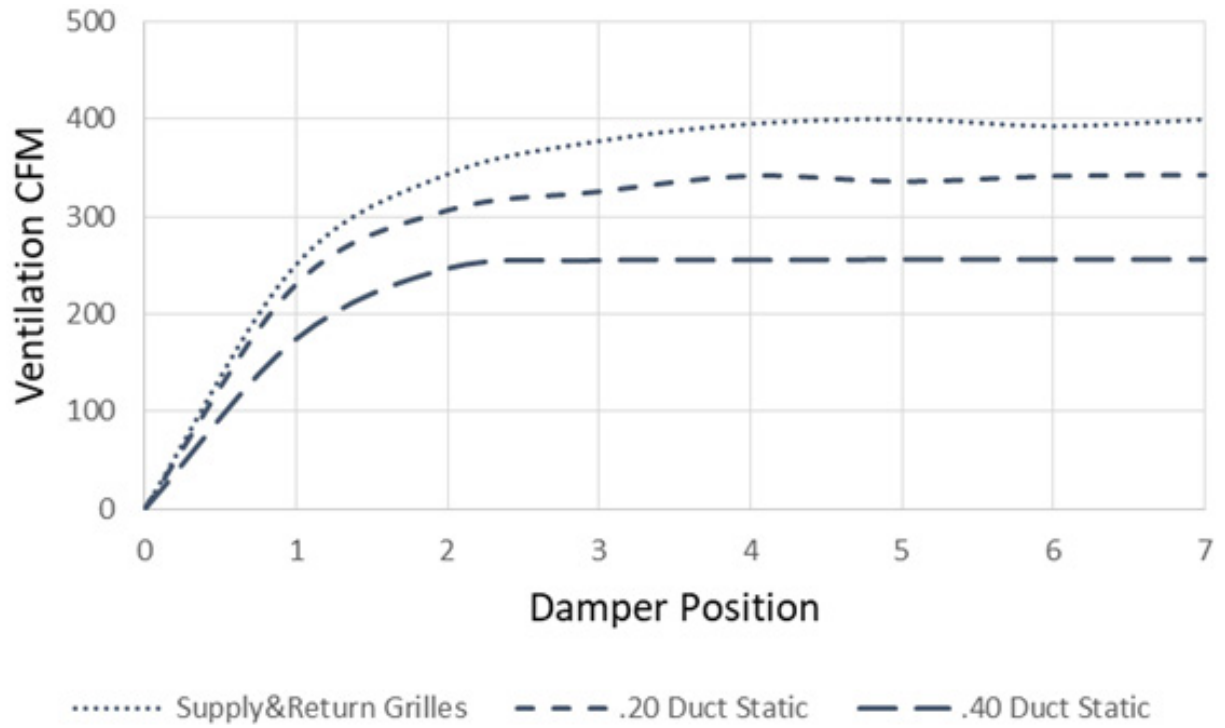
The amount of outside fresh air brought into the structure is dependent on the blade stop pin location (Figure 9) and atmospheric pressure in the conditioned space.

Refer to graphs 1-12 (beginning on page 5) for ventilation air CFM per blade pin setting with and without exhaust.

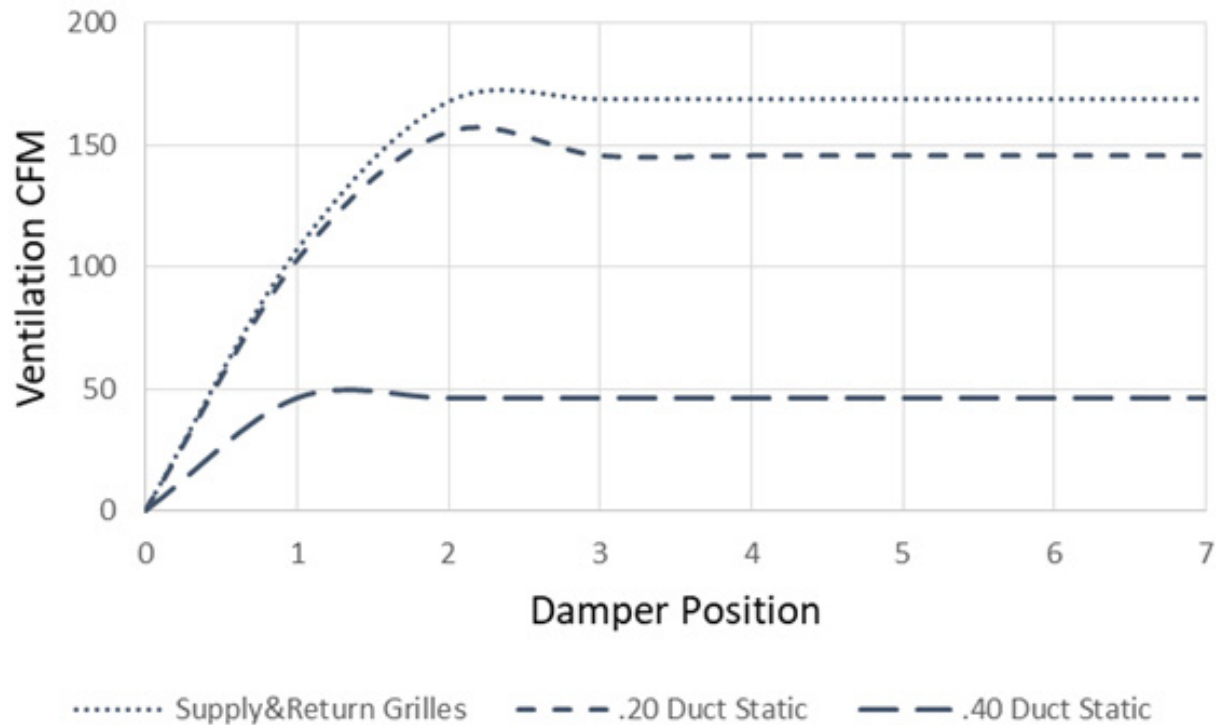
FIGURE 9
Re-Install Blade Adjustment Bracket Screw



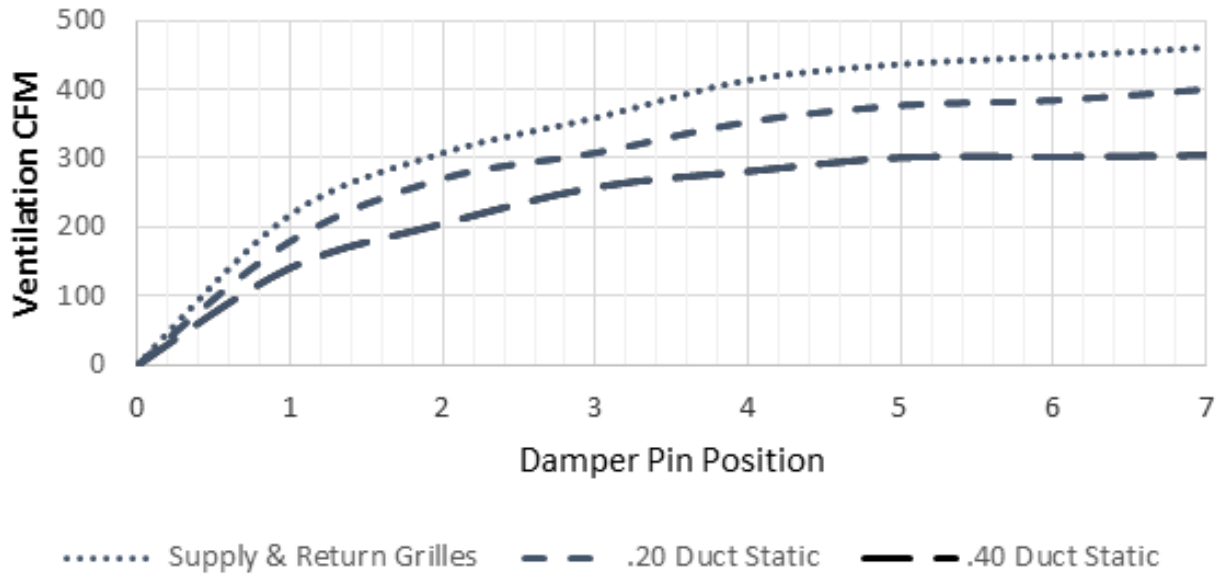
GRAPH 1
W3SAC FAD-BE5 W/Exhaust Ventilation Delivery



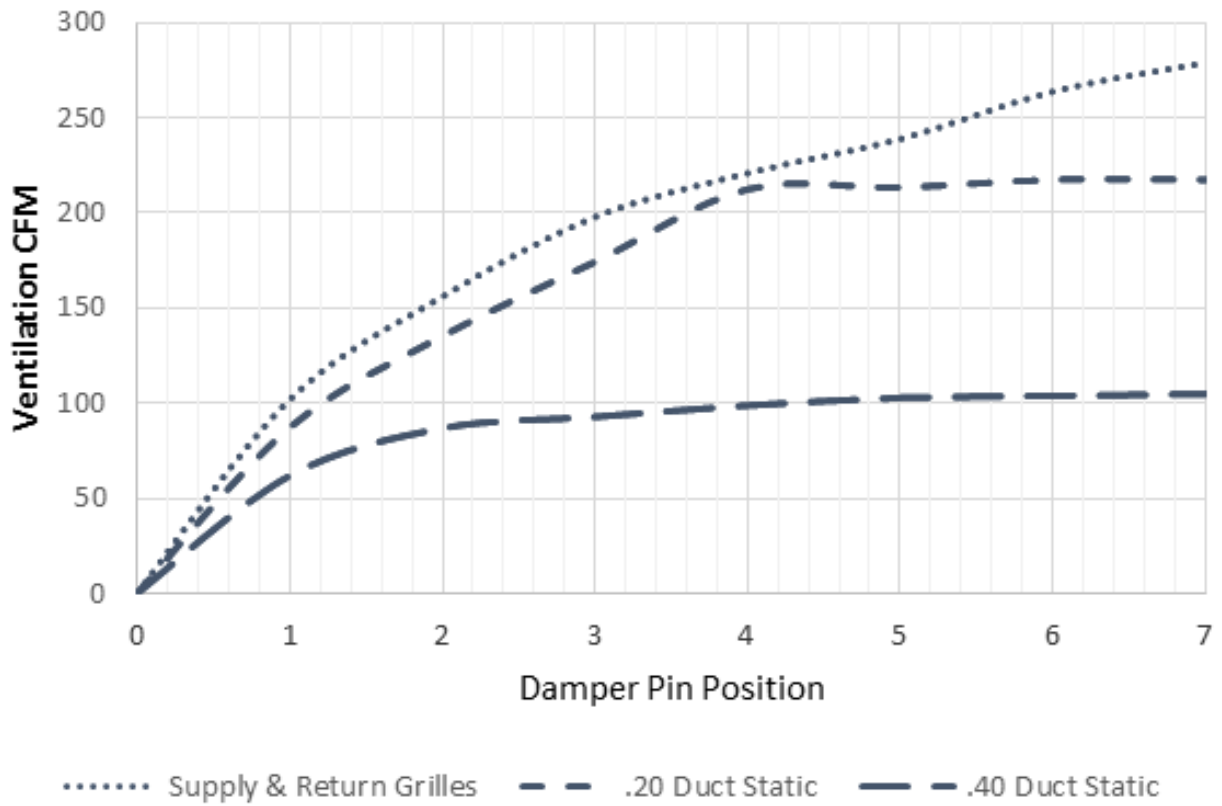
GRAPH 2
W3SAC FAD-NE5 W/O Exhaust Ventilation Delivery



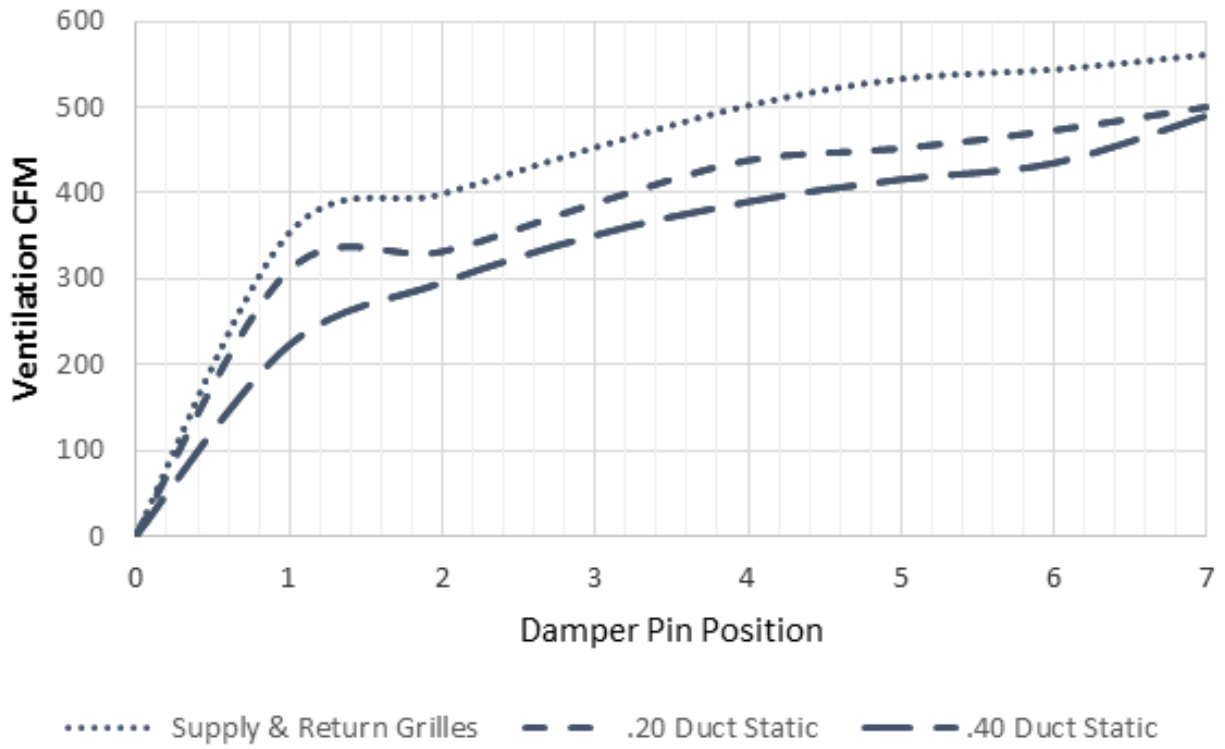
GRAPH 3
W/J42A & W/J42H FAD-BE5 W/Exhaust Ventilation Delivery



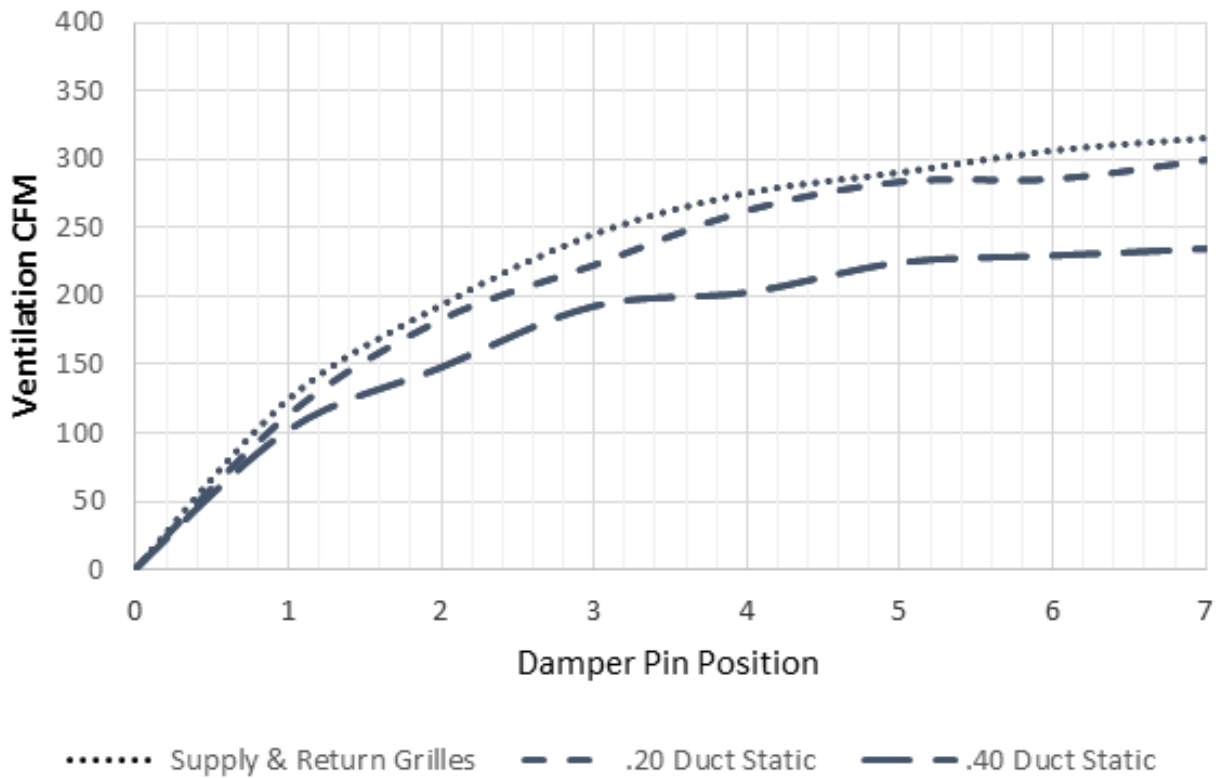
GRAPH 4
W/J42A & W/J42H FAD-NE5 W/O Exhaust Ventilation Delivery



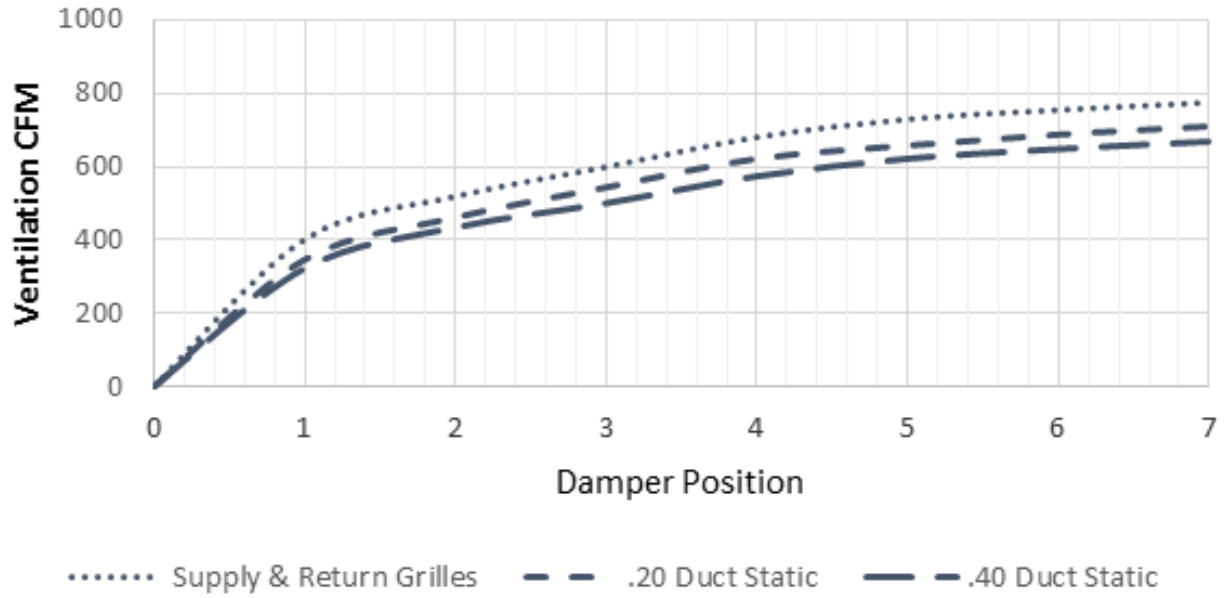
GRAPH 5
W4SAC, W/J48A & W/J48H FAD-BE5 W/Exhaust Ventilation Delivery



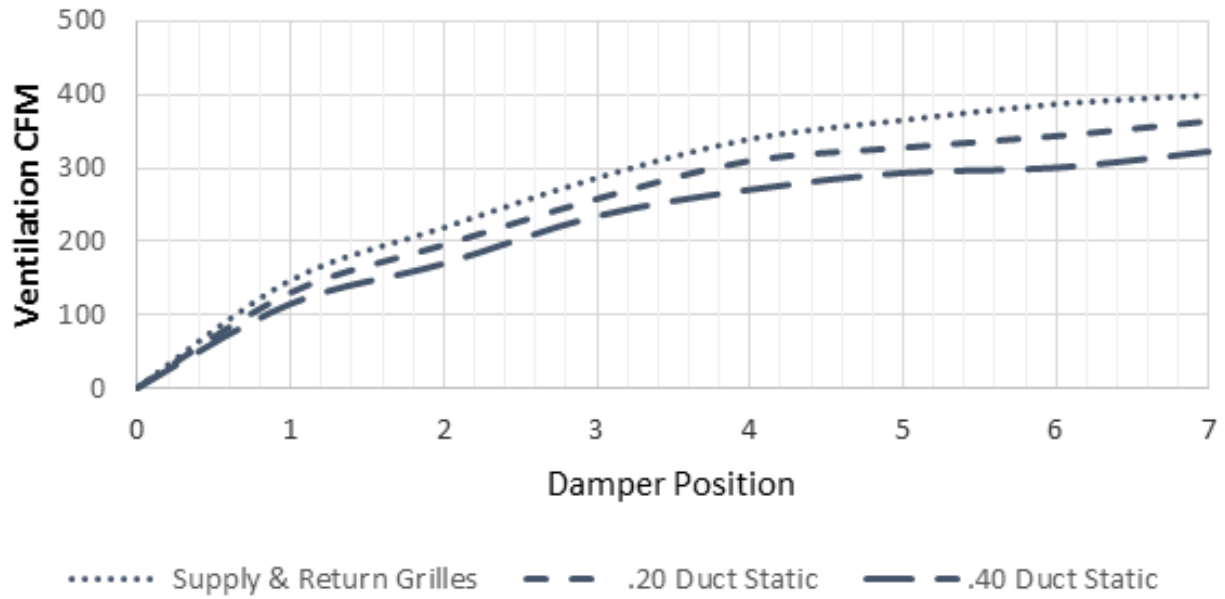
GRAPH 6
W4SAC, W/J48A & W/J48H FAD-NE5 W/O Exhaust Ventilation Delivery



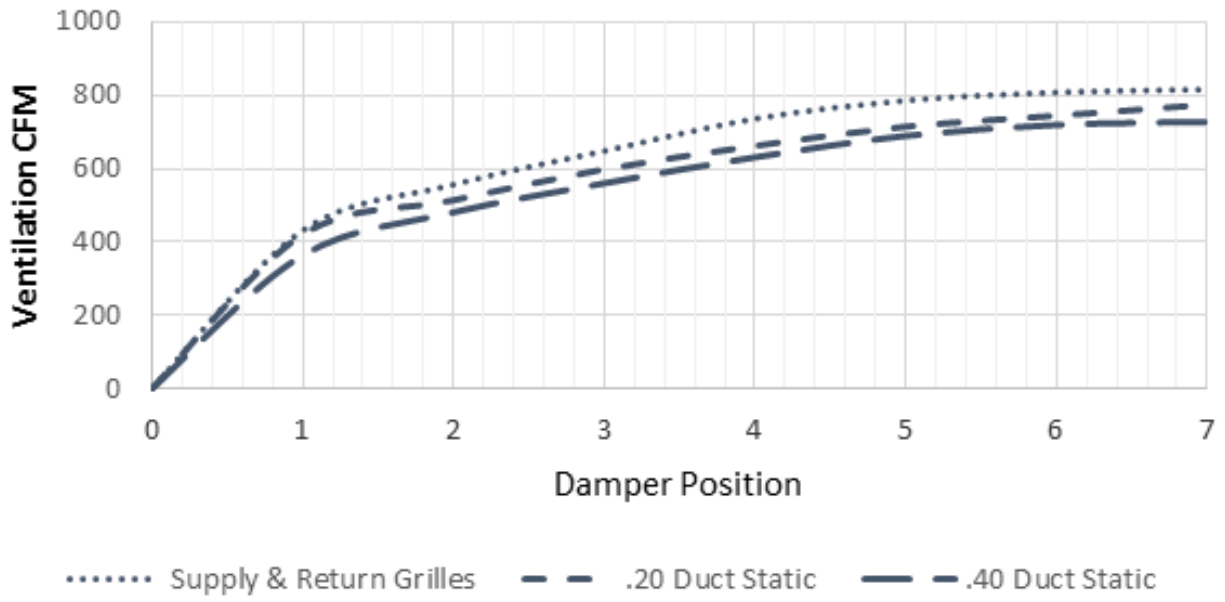
GRAPH 7
W5SAC, W/J60A & W/J60H FAD-BE5 W/Exhaust Ventilation Delivery



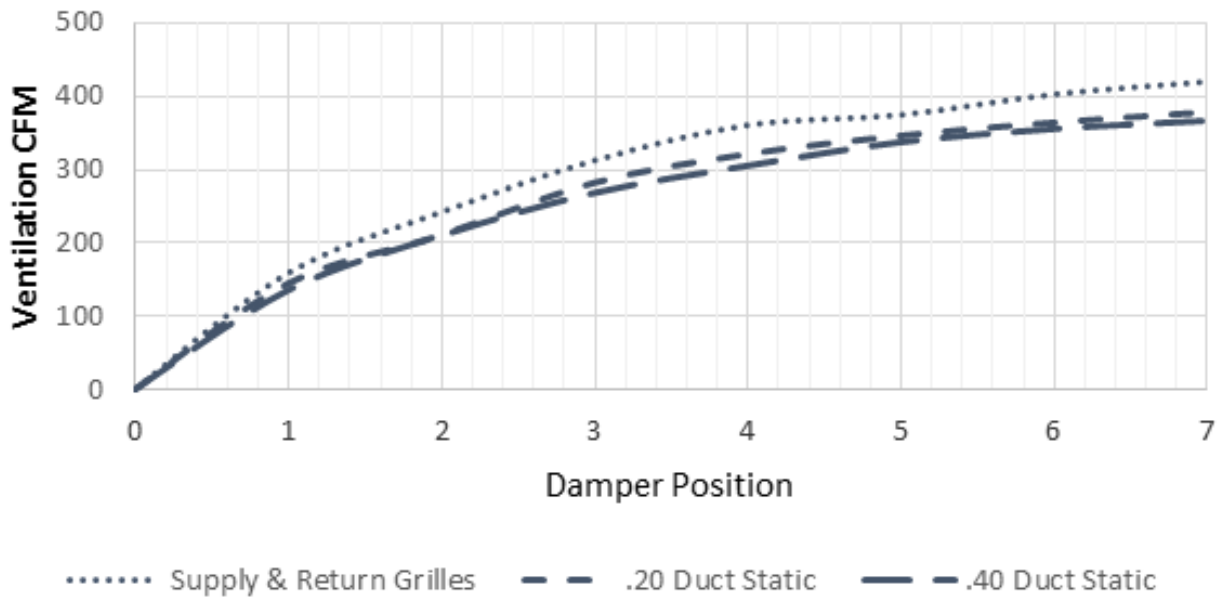
GRAPH 8
W5SAC, W/J60A & W/J60H FAD-NE5 W/O Exhaust Ventilation Delivery



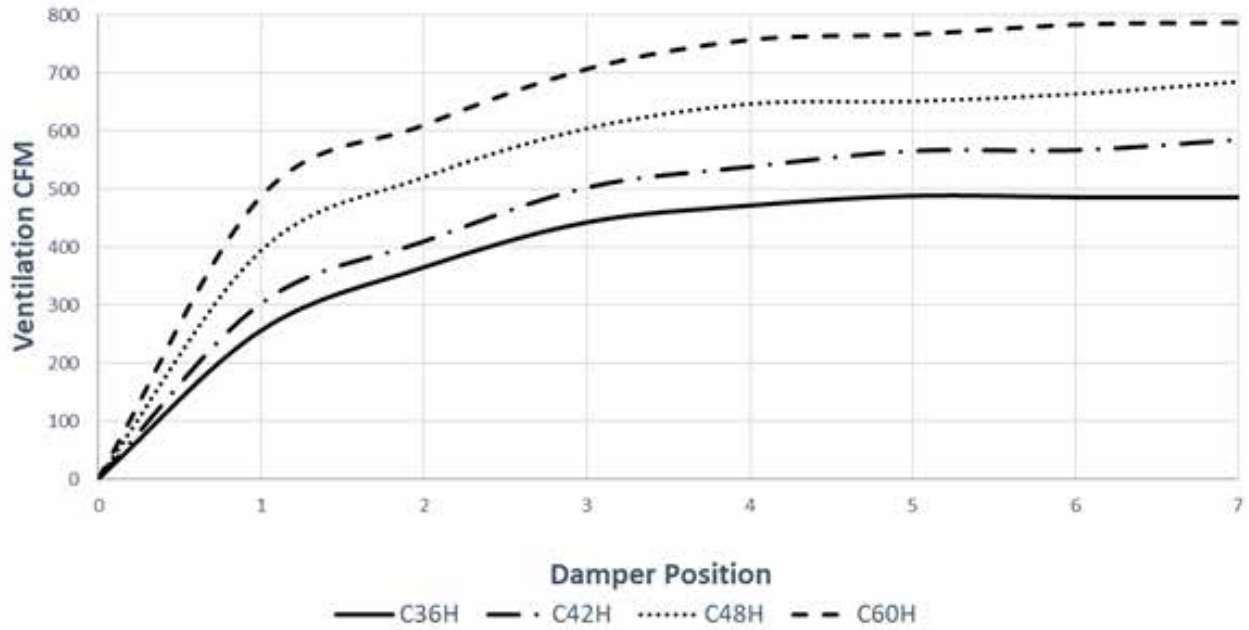
GRAPH 9
W/J72A FAD-BE5 W/Exhaust Ventilation Delivery



GRAPH 10
W/J72A FAD-NE5 W/O Exhaust Ventilation Delivery



GRAPH 11
CH FAD-BE5 W/O Exhaust Ventilation Delivery



GRAPH 12
CH FAD-NE5 W/Exhaust Ventilation Delivery

