



MODEL HDB-M HEAVY DUTY BACKDRAFT DAMPER

Standard Construction:

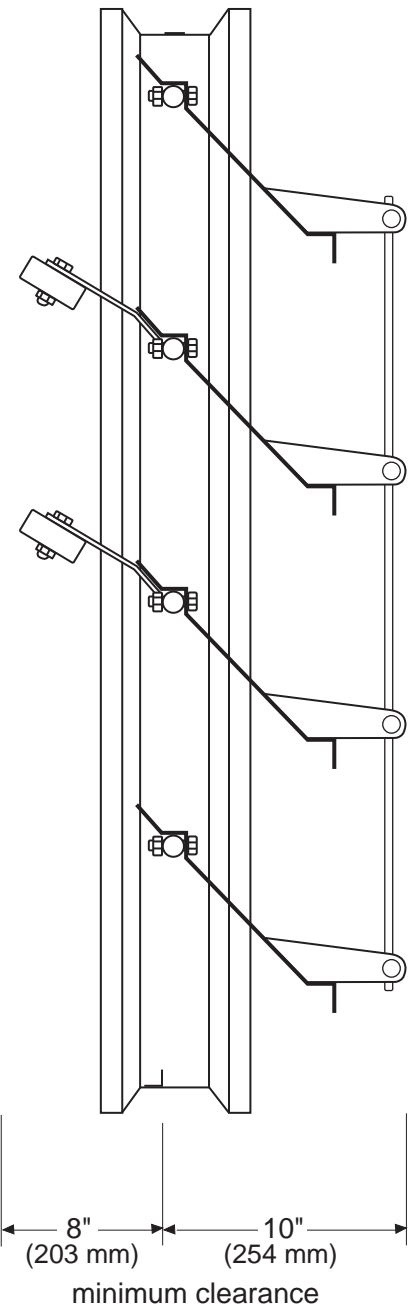
- Frame:** 3-1/2" x 5/8" (89 mm x 16 mm) x 16 ga. rollformed galvanized steel hat section with welded corners.
- Blades:** 18 gauge galvanized steel on 6" (152 mm) centers.
- Bearings:** Permanently lubricated olite bronze, press fit into frame.
- Axles:** 1/2" (12.7 mm) dia. plated steel.
- Linkage:** Commercial grade, stainless steel pivots, machine riveted to blade.
- Linkage Tie Rod:** 1/4" (6.4 mm) dia. plated steel.
- Counterweight:** Adjustable steel, attached to back of blade (standard) or external arm. Assist or Retard.
- Finish:** Mill galvanized.
- Minimum Damper Size:** Single Blade - 6"w x 8"h (152 mm x 203 mm)
- Maximum Damper Size:** Single Section - 48"w x 72"h (1219 mm x 1829 mm)
Multi Section - unlimited

Options:

- Seals:** Vinyl or stainless steel blade seals
Flexible stainless steel jamb seals
- Material:** Various materials and gauges
- Bearings:** Ball type bearings
- Notes:**

- All dampers are fabricated 1/4" (6.4 mm) under listed size unless specified "actual or exact".
- Dampers must be installed square and free from racking.
- Dampers with multiple sections in both width and height require structural supports (by others). NCA recommends that large openings be divided with structural members such that dampers will span either the width or height of each opening between the structural members with a single section.
- All dampers must be installed with blades running horizontally.

- Performance:** Maximum Velocity: 2500 fpm
Maximum Static Pressure: 2.5" w.g. at 36" (914 mm) wide (contact factory for higher pressures)
Maximum Temperature: 250° F



HDB-M - 02-05

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

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Project:
Location:
Architect:
Engineer:

Contractor:
Address:
P.O. Number:
Date: