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# BROAN HD80 Owner's Manual

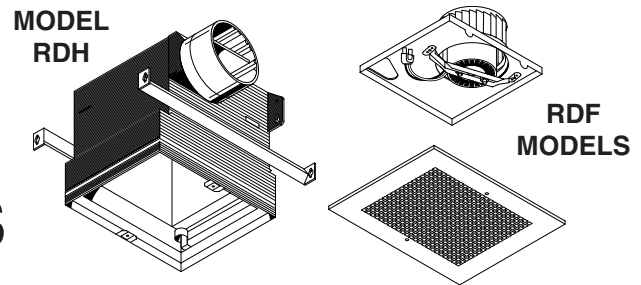
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# VENTILATING FANS WITH RADIATION DAMPERS



Dependable, high performance ventilation fans with attached radiation dampers and attractive metal grilles.

### FEATURES

#### HOUSING:

- Rugged, 26-gage galvanized steel construction
- Key-holed mounting brackets span up to 24" and are adjustable horizontally and vertically
- Reversible knockout bracket allows wiring from top or side
- 4" round duct fitting with built-in backdraft damper for easy duct connection

#### BLOWER:

- Plug-in, permanently lubricated motor
- Totally enclosed motor with long life bearings designed for continuous operation (HD80RDF, HD50RDF only)
- Centrifugal blower wheel

#### RADIATION DAMPER:

- For use in 1, 2 and 3 hour rated floor-ceiling and roof-ceiling constructions
- Galvanized steel frame
- High temperature, non-asbestos, reinforced fiber thermal fabric
- Stainless steel closure springs
- 165°F fusible link

#### GRILLE:

- Attractive steel grille painted white
- Low profile blends well with any decor

**(1) ROUGH-IN KIT & (1) FINISH KIT MAKE A COMPLETE UNIT. PURCHASE EACH SEPARATELY.**

#### Rough-In Kit

**Model RDH** • Contains housing and radiation damper (packed 4 per carton).

#### Finish Kits

**Models 110RDF, 80RDF, HD80RDF and HD50RDF** • Contain blower and grille (packed 4 per carton).

### SPECIFICATIONS

RDH with	VOLTS	AMPS	CFM	SONES	DUCT
110RDF	120	1.3	110	4.0	4" ROUND
80RDF	120	0.5	80	2.5	4" ROUND
HD80RDF	120	0.5	80	2.5	4" ROUND
HD50RDF	120	0.4	50	1.5	4" ROUND

### TYPICAL SPECIFICATION

Ventilation Fan with Radiation Damper shall be Broan Model RDH with 110RDF (RDH with 80RDF) (RDH with HD80RDF) (RDH with HD50RDF).

Housing shall be made of galvanized steel and have adjustable mounting brackets. It shall have a built-in backdraft damper and be ducted to a roof or wall cap.

Blower shall be removable and have a centrifugal blower wheel. Motor shall be permanently lubricated.

Air delivery shall be no less than and sound level shall be no greater than values listed in the chart above. Air and sound ratings shall be certified by HVI.

Radiation damper shall be rated for use in up to three hour ceiling constructions. It shall be UL Classified and Warnock Hersey Listed (see other side for installation details).

Ventilating Fan with Radiation Damper shall be Energy Star® qualified. (Model HD50RDF only).



Broan-NuTone LLC Hartford, Wisconsin www.broan.com 800-558-1711

REFERENCE	QTY.	REMARKS	Project
			Location
			Architect
			Engineer
			Contractor
			Submitted by Date

