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## DB SERIES

### ARCHITECTURAL DRAFT BARRIER HEATERS

- ARCHITECTURAL STYLING
- SLIM, TRIM DESIGN
- ALUMINUM FINNED ELEMENT
- BUILT-IN LINEAR CUTOUT

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#### APPLICATIONS

Berko Draft Barrier Heaters are designed to provide supplementary heat directly under windows where they counteract cold down drafts, minimize condensation and prevent chilly areas from forming at floor level. They permit year-round use of all building space right up to the outside wall. No need to move desks, chairs, tables and people away from the windows in cold weather. The heaters spread a blanket of warm air precisely at the area of greatest heat loss — the windows. Ideal for commercial and public buildings of all kinds; desirable supplementary heating for restaurants, motels and offices. These units are not, however, designed for residential use.

#### FEATURES

DB heaters feature Berko's unique "swept-back" element fin design that permits them to deliver more heat, yet keep enclosure surface temperatures low.

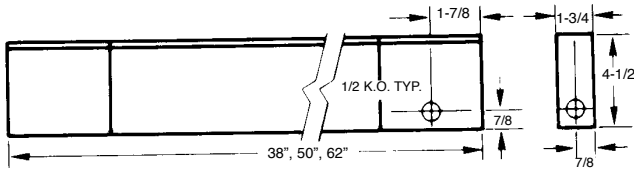
Two lines of draft barrier heaters offer utmost planning flexibility. A line of heaters rated 100 watts per linear foot is designed to adequately compensate for heat loss through double-pane and storm window installations. A higher watt density line rated at 188 watts per linear foot is designed to compensate for the worst cold window situation — single pane glass. This 188 watts per foot delivery adequately offsets the heat loss in such areas. It's more heat at lower surface temperatures.

DB heaters are architecturally styled and compactly sized to resemble decorative trim or molding. They can be installed as individual units or 2 units can be butted end-to-end and can be mounted as low as 2" above the floor covering, and as high as 12" below the ceiling.



File #E37116

## DIMENSIONS



### DB: 188 WATTS PER FOOT

NOTE: 240V Heaters Operated at 208V Are Rated @ 141 Watts/Foot  
277V Heaters Operated at 240V Are Rated @ 141 Watts/Foot

CATALOG NUMBER	VOLTS	AMPS	WATTS	BTU/HR.	LENGTH	SHIP WT. LBS.(kg)
DB3-512L	120	4.7	564	1925	38" (965mm)	6 (3.2)
DB3-520L	208	2.7	564	1925		
DB3-524L	240/208	2.4/2.0	564/423	1925/1444		
DB3-527L	277/240	2.0/1.8	564/423	1925/1444		
DB4-712L	120	6.3	752	2567	50" (1270mm)	8 (4.1)
DB4-720L	208	3.6	752	2567		
DB4-724L	240/208	3.1/2.7	752/564	2567/1925		
DB4-727L	277/240	2.7/2.4	752/564	2567/1925		
DB5-912L	120	7.8	940	3208	62" (1575mm)	10 (5.0)
DB5-920L	208	4.5	940	3208		
DB5-924L	240/208	3.9/3.4	940/705	3208/2406		
DB5-927L	277/240	3.4/2.9	940/705	3208/2406		

### DB: 100 WATTS PER FOOT

CATALOG NUMBER	VOLTS	AMPS	WATTS	BTU/HR.	LENGTH	SHIP WT. LBS.(kg)
DB3-312L	120	2.5	300	1024	38" (965mm)	6 (3.2)
DB3-320L	208	1.4	300	1024		
DB3-324L	240	1.3	300	1024		
DB3-327L	277	1.1	300	1024		
DB4-412L	120	3.3	400	1365	50" (1270mm)	8 (4.1)
DB4-420L	208	1.9	400	1365		
DB4-424L	240	1.7	400	1365		
DB4-427L	277	1.4	400	1365		
DB5-512L	120	4.2	500	1706	62" (1575mm)	10 (5.0)
DB5-520L	208	2.4	500	1706		
DB5-524L	240	2.1	500	1706		
DB5-527L	277	1.8	500	1706		

### DB: 100 WATTS PER FOOT

CATALOG NUMBER	DESCRIPTION
DB-BS-3	38" Blank Section (finished heater body only)
DB-BD-4	50" Blank Section (finished heater body only)
DB-BS-5	62" Blank Section (finished heater body only)
DB-T-1-A DB-T-2-A	Single or double pole thermostats, rated 22 amps @ 120-240 VAC; 18 amps @ 277 VAC. Remote bulb sensor, snap action switch. 60-120°F temp. range
DB-T-1-TP-A	Tamper proof version of DB-T-1-A
DB-T-4-A DB-T-5-A	Single or double pole thermostats, rated 17 amps @ 120-277 VAC. Bi-metal sensor, snap action switch. 45-135°F temp. range
DB-T-4-TP-A DB-T-5-TP-A	Tamper proof version of above.

## FEATURES

1. **SWEPT BACK FINS** redirect heat radiating from the element and add it to the strong convection flow, thereby delivering all available heat directly into the area. This minimizes radiation to the enclosure surface, keeping it comfortable to the touch.
2. **ARCHITECTURAL STYLING** - Desert tan front with muted black, continuous ribbon grille top, muted black ends and back plate. Subtly blends with wall line because it resembles decorative trim or molding.
3. **COMPACT** - only 4-1/2" high by 1-3/4", in 38", 50" or 62" lengths.
4. **ALUMINUM SHEATHED ELEMENT** eliminates AC hum, assures long, trouble-free life.
5. **NOISELESS SUSPENSION** - Unique hinge hangers freely suspend element, prevent expansion and contraction noises.
6. **LINEAR THERMAL CUT-OUT** - Heater shuts off automatically in the event of overheating and reactivates the heater when temperatures return to normal.
7. **CONVENIENT KNOCKOUTS** at back, bottom and end of each junction box.
8. **ROOM JUNCTION BOXES**, one at each end, simplify wiring and installation.
9. **RUGGED BODY** built of 20 gauge steel, 16 gauge ribbon grille. Desert tan baked enamel front, with muted black grille, end caps and back.

## ARCHITECT'S & ENGINEER'S SPECIFICATIONS\*

Furnish and install where indicated on plans, electric draft barrier heaters suitable for continuous operation, as manufactured by Berko, A Marley Engineered Products Brand, Bennettsville, SC. Heaters shall be UL listed.

**ENCLOSURE** - The heater shall be fabricated of 20 gauge cold-rolled steel with 16 gauge ribbon grille.

**HEATING ELEMENT** - The heating element wire shall consist of 80% nickel, 20% chromium and shall be encased in an aluminum sheath to assure long and trouble free life and complete elimination of AC hum. Aluminum fins shall be so designed as to block sheath radiation to front and back of heater body and pressure bonded to aluminum sheath. Element leads to be in insulated wire connectors which are to be secured to both element ends and fed into terminal boxes through fiberglass sleeves to eliminate all exposed live parts in heater body. Heating element and fins are to be freely suspended from mounting brackets by use of hinges and shall not be secured to the heater body at any point.

**FINISH** - Standard finish shall be desert tan baked enamel with the top outlet grille, back and ends finished in contrasting muted black.

**GENERAL** - Thermal linear cutouts shall be factory installed to automatically shut off heater in event of overheating and reactivate the heater when temperatures return to normal. The complete heater shall have a maximum height of 4-1/2 inches and a maximum depth of 1-3/4 inches.

\*Berko reserves the right to change specifications without prior notice.