

B SERIES ELECTRIC FURNACES

Clean, quiet and efficient units provide electrically controlled comfort throughout your cottage, home or office.

FEATURES

- Units do not produce any soot or smoke
- May be installed in a basement, closet, crawl space or any unused area or alcove
- Space saving design allows for zero clearance installation between the furnace and combustible surfaces
- Installation only requires the connection of power to the unit and the connection of the thermostat wires
- Quiet performance is assured through the special mounting and balancing of the blower wheel
- Standard Broan components assure versatility and convenience
- Thermal efficiency is assured through the use of nickel-chrome heaters which are oversized to ensure rapid heat transfer. Plug-in modules to ease servicing
- Units require a 20" x 20" x 1" (510 mm x 510 mm x 25 mm) disposable type filter. Filter installation and removal does not require the use of tools. Filter units are specifically designed to trap dust and lint
- Connection components are equipped with high temperature limits, restricting the operation of the unit at high temperatures
- Time delay sequencers are built into the units, this prevents power surges resulting in lights dimming or blown fuses
- Fan relays control automatic operation of blower and allows for the addition of air conditioning
- Housing constructed of steel and finished with a baked epoxy (powder paint) finish
- Transformer is of a heavy duty 24 V type
- Supply wiring block enables copper conductors
- Motor operates at low setting to help stabilize room temperature
- Thermostat "on" light facilitates locating malfunctions
- Approximately half of the elements are disconnected during the milder fall and spring months so entire furnace is not energized (when using Season Select switch)
- Motor runs continuously on low for constant air circulation during warm weather months (when turning on the Continuous Ventilation switch)

FEATURES (CONT'D)

- Equipped with breakers, located on the front panel of the unit, to protect the heating elements from overcurrent.
- 21B27MS has built-in noise-absorption components to run quietly during continuous or regular cycle modes.

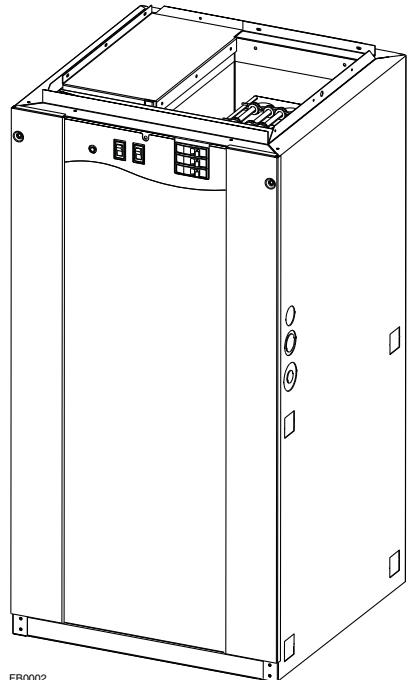
TYPICAL SPECIFICATION

Furnace shall be Nortron by Broan model 21B10M, 21B15M, 21B18M, 21B20M, 21B25M, 21B27MS, 83B13, 83B24 or 83B27.

Unit housing shall be 40" H x 20" W x 20" D (1016 mm H x 510 mm W x 510 mm D). Filter is installed outside of unit housing.

Blower assembly shall have a centrifugal-type blower wheel and a permanently lubricated motor.

Unit shall be CSA certified.



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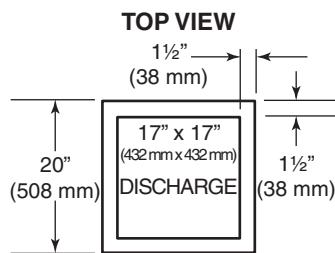
Broan-NuTone Canada; Mississauga, Ontario www.broan.ca 877-896-1119

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

SPECIFICATIONS

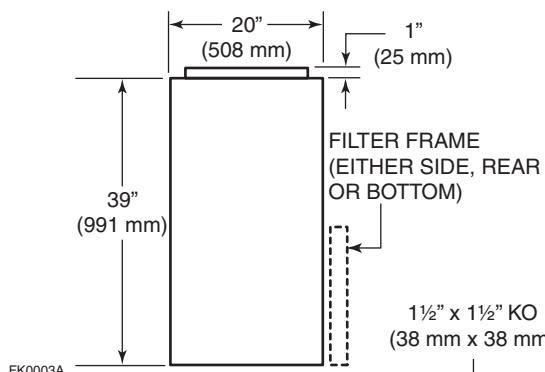
MODEL	VOLTS	PHASE	AMPS INCL. MOTOR	kW	BTU/HR. (kJ/HR.)	AIR FLOW RATE - FACTORY SET				TEMP. RISE		MOTOR H.P.	BLOWER SIZE (MM)		
						HEATING		COOLING							
						MAX CFM @ 0.2" W.G. (Max. L/s @ 5.1 MM W.G.)	MAX CFM @ 0.5" W.G. (Max. L/s @ 12.7 MM W.G.)	MAX CFM @ 0.2" W.G. (Max. L/s @ 5.1 MM W.G.)	MAX CFM @ 0.5" W.G. (Max. L/s @ 12.7 MM W.G.)	°C	°F				
21B10M	240	1	46	10	34152 (36000)	756 (357)	729 (344)	1177 (555)	1102 (520)	23	41	1/3	10" x 8" (254 x 203)		
21B15M			67	15	51228 (54000)	1035 (488)	971 (458)	1301 (614)	1207 (570)	24	43				
21B18M*			77	18	61473 (64800)					27	49				
21B20M*			86	20	68304 (72000)					33	59				
21B25M*			107	25	85379 (90000)					37	67				
21B27MS*			116	27	92210 (97200)	1216 (574)	1157 (546)	1640 (774)	1513 (714)	36	65	3/4	12" x 8" (305 x 203)		
83B13	208	3	42	13.5	46105 (48600)	1200 (566)	1126 (531)	1315 (621)	1144 (540)	20	36	1/3	10" x 8" (254 x 203)		
83B24			70	24	81964 (86400)					35	63				
83B27			78	27	92210 (97200)	1315 (621)	1234 (582)			36	65				

DIMENSIONS

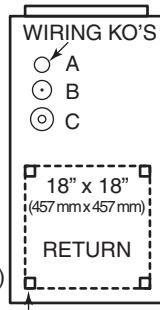


WIRING KO'S VALUES
A = 1" (25 mm)
B = 1/4" (6 mm) & 1 1/4" (32 mm)
C = 1/2" (13 mm) & 1 1/2" (38 mm)

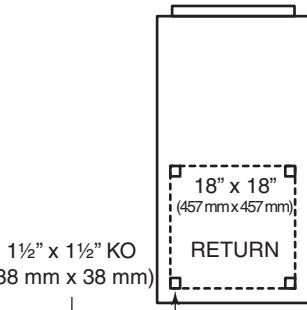
FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW



LEFT SIDE VIEW

