

# D 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 relay and PCB electronic controller 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 can be adjusted to operate continuously at low or medium speed for more uniform room temperature distribution
- Thermostat "on" light facilitates locating malfunctions
- The elements come on-line faster during the coldest winter months (when setting Heat Activation switch to Fast)
- Motor runs continuously on low for constant air circulation during warm weather months (when Speed Selector switch is set to Low)
- Electric furnace control manages all furnace components to run quietly during continuous or regular cycle modes

## FEATURES (CONT'D)

- CSA approved double-pole magnetic circuit breakers provide overcurrent protection and safely cut-off the power supply on both poles of the heater elements (number of circuit breakers varies by model).
- 21D27 has built-in additional noise-absorption components to run quietly during continuous or regular cycle modes.

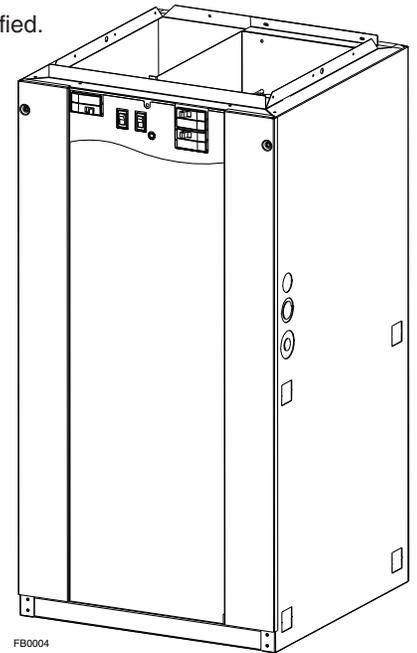
## TYPICAL SPECIFICATION

Furnace shall be Nortron by Broan model 21D10, 21D15, 21D18, 21D20, 21D23, 21D25 or 21D27.

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.



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		°C	°F		
						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.)				
21D10	240	1	46	10	34152 (36000)	756 (357)	729 (344)	1301 (614)	1207 (570)	23	41	1/3	10" x 8" (254 x 203)
21D15			67	15	51228 (54000)	1035 (488)	971 (458)			24	43		
21D18			77	18	61473 (64800)					27	49		
21D20			86	20	68304 (72000)					33	59		
21D23			94	22.5	76842 (81000)					36	65		
21D25			107	25	85379 (90000)					37	67		
21D27			116	27	92210 (97200)	1216 (574)	1157 (546)	1640 (774)	1513 (714)	36	65	3/4	12" x 8" (305 x 203)

## DIMENSIONS

