

SPECIFICATION

DIRECT GAS FIRED MAKE UP AIR UNIT **CAAD SERIES**

Make up air unit shall be a Duo-Aire model CAA-D-ETL make up air unit capable of providing from 1,000 to 12,000 CFM of heated supply air. Units shall be provided in horizontal or upright configuration as required. Doors with gaskets and easy access latches provide entry into each section of the unit. Unit shall be constructed of minimum 18 gauge aluminized steel and weatherproof welded cabinet finished with an industrial enamel over a primer base. Blower shall be a heavy gauge DWDI forward curved blower with up to a one inch shaft on standard blowers with fixed pulley and sealed ball bearings. Motor shall be high efficiency ODP continuous duty with double shielded ball bearings and adjustable pulley with three phase motors meeting NEMA 92 standards at a minimum. One inch permanent and washable air filters shall be aluminum mesh and mounted in the air intake section.

Unit shall be of the direct gas fired type with outside air heated direct by an inline burner (adjustable profile pilot) with up to a one inch gas connection. All controls AGA/UL approved. Burner size shall be 275MBH – 1,100 MBH dependent upon heating requirements and be capable of a 30:1 turndown ratio. Inlet gas pressure shall be 6.5 – 8.0 inch minimum and 14 inch maximum. Gas controls included as standard shall include main pressure regulator, pilot pressure regulator, safety shutoff valve, gas modulating valve, flame safeguard control, and ignition transformer.

Master electrical control panel shall be provided and include as standard pre-wired master panel and safety disconnect switch in NEMA 3R enclosure, unit motor starters, 120 volt control transformer, high limit switch, low limit switch, air pressure switch, mechanical or electronic modulation, and flame safeguard relay.

Units shall be ETL listed as a complete unit to meet ANSI standard Z83.4 or Z83.18.

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