

SPECIFICATION

DUO-AIRE COMBINATION ROOFTOP PACKAGE **WITH NON- HEATED SUPPLY AIR**

1. FAN BASE

The fan base shall be a single integrated base for both exhaust fan and supply air unit. It shall be constructed with a solid fan base for single penetration of U.L. Listed concentric supply and exhaust duct, and shall be of sufficient height to insure compliance with code requirements for duct discharge, exhaust fan discharge and supply air intake.

2. EXHAUST FAN

The exhaust fan shall be up blast type U.L. 762 listed as power ventilator for restaurant exhaust appliances. The exhaust fan shall be sized to allow for design CFM at total static pressure. Total static pressure calculation to include hood, filter and duct entry loss, and fan system loss shall be scheduled on submittal drawings, along with exhaust fan curve.

3. MAKE-UP AIR UNIT

The Duo-Aire roof mounted make-up air unit, including all components, shall be fully factory built and assembled by Duo-Aire and wired in accordance with NEC #70. The system shall include:

A. Complete housing constructed of 18 gauge aluminized steel painted with weatherproof production enamel over a primed surface.

B. Centrifugal supply fan with forward curved blades and adjustable belt drive.

C. Motor, pulleys and belts.

D. Master Control Panel

A factory wired control panel to the voltage specified, mounted in weatherproof box, shall contain in addition to terminals and wiring for the above, magnetic starters with three leg overload and disconnect switches for supply and exhaust fans and control transformer. All electrical work shall be by Duo-Aire in accordance with system design and in strict adherence to NEC #70 and other applicable codes. Master disconnect switch and wiring to the master electrical panel is a standard part of the Duo-Aire system.

E. Filter section for supply air with bird screen. Cleanable, 20" x 25" x 1" aluminum mesh filters shall be provided in an easy access housing and slip frame.

F. Motorized inlet air dampers shall be provided with all operating controls installed when specified.

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