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on

## TYPICAL SPECIFICATIONS

### Model: DR-HFA

#### Description:

Fan shall be a spun aluminum, roof or wall mounted, direct drive, downblast centrifugal exhaust ventilator.

#### Certifications:

Fan shall be ETL Listed and comply with UL705 (electrical) Standards and CSA Std C22.2, No 113. Fan shall bear the AMCA certified ratings seal for sound and air performance.

#### Construction:

##### Housing

The fan discharge apron shall be constructed of heavy gauge aluminum and shall be spun on an automatic lathe to provide consistent dimensions. Structural components are formed, heavy gauge aluminum welded to the fan base. The discharge apron shall have a rolled bead for added strength.

##### Base

The base shall be constructed of heavy gauge aluminum. Base corners shall be welded to provide strength and to prevent leakage into the building.

##### Wheel

The fan wheel shall be centrifugal backward inclined and non-overloading. Wheels shall be balanced in two planes and done in accordance with AMCA standard 204-96, *Balance Quality and Vibration Levels for Fans*. The wheel blades shall be aerodynamically designed to minimize turbulence, increase efficiency and reduce noise. The wheel blades shall be welded to the wheel inlet cone. In the event that balancing weights are required they shall be riveted to the blades or wheel. The wheel inlet shall overlap the fan base inlet for maximum performance and efficiency. The wheel shall be firmly attached to the motor shaft with two set screws.

##### Motor & Motor Compartment

Standard 115 volt, open drip motors shall be permanently lubricated, rated for continuous duty and thermally protected. Motors shall be mounted out of the airstream and furnished at the specified voltage, phase and enclosure. Motor mounting plate shall be constructed of heavy gauge aluminum. The motor compartment shall be cooled by outside air through louvers in the



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l conduit running from the fan base to the  
d for ease of installation.

**Product: Fan shall be model DR-HFA as manufactured by CaptiveAire Systems.**