

## **HVLS-RA Specification**

### **TYPICAL SPECIFICATIONS**

#### **Model: HVLS-RA**

#### **Description**

HVLS fan shall have 5 blades with Tubercle Technology designed to efficiently move air. Fan frame shall be structural steel and blades should be anodized aluminum with high impact leading edges and end caps.

#### **Application**

HVLS fans are engineered to move air in a large area while constantly creating an expansive comfort zone. HVLS fans create an evaporative cooling effect and can de-stratify uneven temperatures in tall buildings. Ideally suited for warehouses, schools, dining areas, gymnasiums and other applications to efficiently distribute air.

#### **Certifications**

All models shall be ETL listed and comply with safety standards UL507 (Electric Fans) and CSA Std. C22.2, No 113.

#### **Construction:**

##### **General:**

- Fan frame shall be powder coated or galvanized steel.
- Fan hub shall be 713 cast aluminum alloy.
- Standard mount shall be a universal I-Beam clamp with swivel.
- Standard mount shall be available in 1, 2, or 4 Ft. lengths.
- Optional steel extensions shall be available in 2, 4, 6, or 8 Ft. lengths.

##### **Blades:**

- Fans shall have 5 blades with Tubercle Technology
- Blade stall angle shall be up to 22 degrees.
- Blades shall be 6063 extruded anodized aluminum.
- Blade leading edges and end caps shall be high impact polystyrene.

##### **Gear Motor:**

- Motor shall be Helical Incline Reducing Type
- Gear ratio shall be such that blades max rpm is within safety range of blades
- Bottom of gearbox shall be sealed with "Quadralip" technology.
- Gearbox shall be a "Unicase" housing with no split housings with gaskets.
- Gearbox shall Autovent to allow it to breath and not damage seals.
- There shall be a lip seal on the motor shaft.

##### **Safety Components:**

- There shall be a safety ring made from 1/4" powder coated steel.
- Safety cables shall be included and shall be 3/16" stainless steel.
- Guy wires shall be included and shall be 1/8" stainless steel.
- Safety clips shall be 713 cast aluminum alloy.

**Product: Fan shall be model HVLS-RA as manufactured by RUPP Air Systems**