

# E-Series

## Direct Evaporative Cooling Technology



### Benefits at a Glance for:

#### Engineers

- 10 models ranging from 10,000 to 80,000 CFM
- Up to 2.5" Total Static Pressure

#### Contractors

- Cambridge Factory Start-up
- Ability to win more projects

#### Building Owners

- Energy Efficient VFD controls
- Provides superior IAQ
- Reduces carbon footprint



The E-Series direct evaporative cooling (DEC) unit is for commercial and industrial applications where it is engineered to provide cool, fresh, conditioned air for your facility. It will create a more comfortable and productive work environment while using up to 70% less energy than conventional mechanical cooling systems.

## Industry Applications

### Commercial

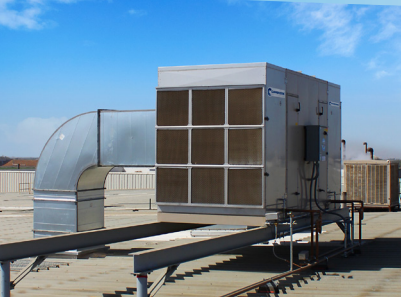
- Warehouse/Distribution
- Aviation
- Sports Arenas
- Agricultural
- Municipality

### Industrial

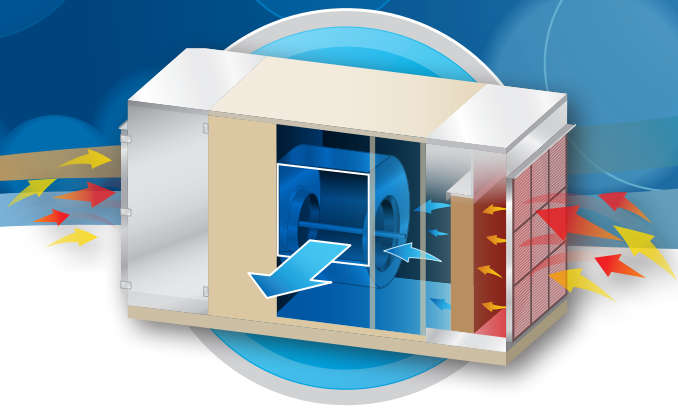
- Manufacturing
- Warehouses
- Waste Water Treatment
- Foundries

## Features

- Evaporative cooling media is engineered to be self-supporting, impregnated and treated to provide high absorbency
- 12" media depth will provide saturation efficiency of 88% when operated at 500 feet per minute (fpm) face velocity
- 2" extruded aluminum frame provides maximum strength and minimal deflection
- Access doors are provided with hinges and reinforced nylon handles
- Evaporative section is constructed from single wall 304 stainless steel
- Sump is constructed from 304 stainless steel and fully welded
- Premium corrosion-resistant stainless steel cooler pump provides water flow through clog less nozzles
- NEMA 3R control panel with a through the door non-fused disconnect switch
- Air is moved by a double width, double inlet forward curve fan which is statically and dynamically balanced on units through size E120  
*(Backward inclined fan provided on size E160)*



# E-Series – Direct Evaporative Cooling Technology



## Specifications - Base Unit

**Airflow Ranges:** 10,000 - 80,000 CFM

- E30 10K - 16K CFM
- E36 14K - 20K CFM
- E42 17K - 23K CFM
- E48 20K - 26K CFM
- E60 24K - 33K CFM
- E72 26K - 40K CFM
- E84 31K - 46K CFM
- E96 37K - 53K CFM
- E120 50K - 65K CFM
- E160 60K - 80K CFM

**Mounting:** Outdoor Only

- Roof Top
- Pad Mount

**Discharge:**

- Down Blast
- Up Blast
- Horizontal Blast

**Voltage:**

- 460/3/60
- 230/3/60
- 208/3/60

**Casing/Finish:**

- Single Wall Galvanized
- Powder Coat, 1000 Hour Salt Spray

**Direct EVAP Section Paint:** Unpainted Stainless

## Available Options/Accessories

**Intake:**

- Screen
- Louver
- Hood

**Filters:**

- None
- 1" Aluminum
- 2" Aluminum
- 2" MERV 8

**Motor Type:**

- ODP
- TEFC

**VFD**

**Fill & Drain Kit**

**Media:**

- 12" CELdek
- 12" GLASdek

**Piping:**

- PVC
- Copper

**Redundant Pump**

**Casing/Finish:**

- Single Wall Stainless Steel
- Double Wall Galvanized
- Double Wall Stainless Steel

**2-Position Inlet Damper**

**Remote Control Panel**

- Programmable Room Thermostat

**Curb:**

- Flat 14"
- Flat 24"

**Rails/Stand:**

- 14" and 24"

**Insulation:**

- 2" Thick, 2.8# Density Mineral Wool Insulation To Provide R8 Insulating Factor (*Insulation Directly In The Airstream Is Not Acceptable*)