

Industrial HVAC is at its easiest when you have **support for life**

Whether you are contracting on a building or own the building itself, doing business with Cambridge feels easier. We are industry experts who guarantee your success, and are committed to **lifelong support for you, our customer.**



Energy Efficient

Our industrial HVAC units prioritize both: a sustainable environment and productivity for your workforce. Sustainable productivity not only benefits the environment but also conserves your resources.



Expert Support

For every degree above 77°F, productivity decreases by 1%. Our team of experts analyze all facets of your business to address this, ensuring maximum efficiency from your HVAC system and its impact on every aspect of your operations.



Built to Last

Features like stainless steel evaporative sections and self-cleaning heat exchanges extend life expectancy. Backed by precision machinery and Lean Manufacturing, our units ensure long-lasting, reliable performance, saving you time and money. Every unit also undergoes 100% testing, ensuring consistent performance and durability.



Short Lead Times

The shortest lead times in the industry with delivery dates you can rely on. Lead times subject to Custom Engineering need*. Arrives as a fully kitted package from units > curbs > accessories to reduce field labor cost.



ESC-Series Two-Stage Evaporative Cooling Technology

Industry Applications

Warehouse/Distribution
Aviation
Sports Arenas
Agricultural
Call Centers
Food Processing Plants
Manufacturing
Health Care/Labs
Waste Water Treatment
Foundries
Institutions/Prisons
Schools



*Lead Times are based on average capacity and standardization and will be confirmed by your local representative.





ESC-Series

Two-Stage Evaporative Cooling Technology

Features

- Utilizes indirect plate exchanger
- Compact polymer plate exchanger
- Typical efficiencies 40-60%
- Low static pressure drop
- Outside air used for vaporizer air
- Energy recovery
- Built to suit applications
- Sensible cooling with adiabatic cooling
- Uses plate exchanger with waste air stream and direct evaporative media
- Saturation efficiency up to 120%
- In drier climates can achieve discharge temperatures in the mid to high 50's
- NEER above 30 in high wet bulb area
- NEER near 100 in drier areas
- No mechanical cooling required

Base Unit Specifications

Airflow Ranges: 2,400 - 56,000 CFM

ESC4L	2,400-4,000 CFM
ESC6L	3,600-6,000 CFM
ESC4	4,200-7,000 CFM
ESC6	6,300-10,500 CFM
ESC8	8,400-14,000 CFM
ESC10	10,500-17,500 CFM
ESC12	12,600-21,000 CFM
ESC14	14,400-24,000 CFM
ESC2-8	16,800-28,000 CFM
ESC2-10	21,000-35,000 CFM
ESC2-12	25,200-42,000 CFM
ESC2-16	33,600-56,000 CFM

Mounting

- Roof Top
- Pad Mount

Discharge

- Down Blast
- Up Blast
- Horizontal Blast

Voltage

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

Casing/Finish

- Double Wall Galvanized
- Double Wall Stainless

Paint

- 1000 hour salt spray

Options & Accessories

Direct Evap Section

- 12" CELdek
- 18" CELdek
- 12" GLASdek

Indirect Evap Section Energy Recovery

- Energy Recovery MUA
- Energy Recovery Economizer

Coil Section

- 4 Row CW or DX Coil
- 6 Row CW or DX Coil

Hot Water Coil Section

- 2 Row HW Coil

Gas Heating Section

- Indirect Fired

Mixing Box

- O/A & R/A Damper with 2-Pos. Actuator
- O/A & R/A Damper with Modulating Actuator

Curb

- Flat 14" or Flat 24"

Rail/Stand

- 14" or 24"

Motor Type

- ODP, TEFC

NEMA 3R VFD

- Without Bypass

Fan Type

- Forward Curved
- Backward Inclined
- Plenum

Drives

- 1.2 Fixed
- 1.2 Variable
- 1.5 Fixed
- 1.5 Variable
- Direct Drive

Intake

- Screen
- Louver
- Hood

Filters

- 2" Aluminum
- 2" MERV 8
- 12" MERV 13

Remote Control Panel

Programmable Room Thermostat

Insulation

- 2" thick, 2.8# density, mineral wool insulation providing R8 insulating factor (Insulation directly in the airstream is not acceptable)