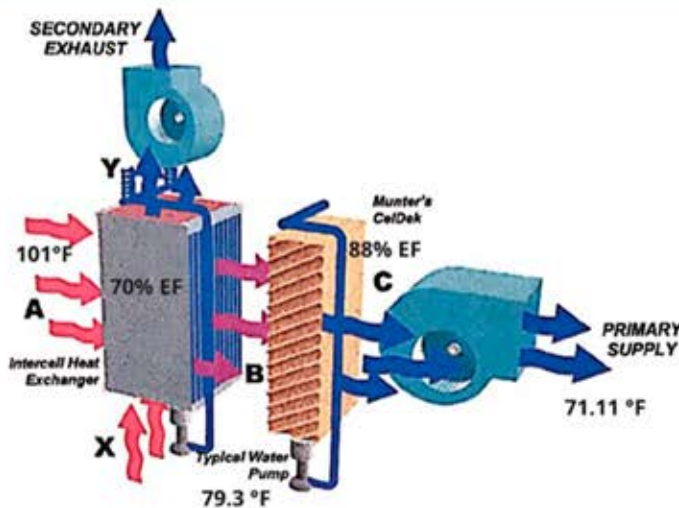


- ° 4,000 - 100,000 CFM
- ° Custom sizes available
- ° Indirect-Direct cooling
- ° 1.5" - 2" double or single wall construction



- ° End discharge
- ° Down discharge
- ° Up discharge

Industrial Class Indirect/Direct Cooling Equipment 4,000 CFM to 100,000 CFM at up to 3.5" ESP or higher if required

Indirect-Direct evaporative cooling provides an energy efficient solution for facilities that need effective cooling but find A/C to be too energy inefficient and cost prohibitive. Indirect-Direct cooling is also a more effective system than standard evaporative units in that it can lower the supply air temperature by as much as 10°F.

Benefits:

- ° Available as indirect-only or as indirect-direct cooling module
- ° Can be used as a stand-alone module or incorporated into an AHU with additional filtration, heating and supply air fan
- ° Forward curved, airfoil, backward inclined or Plenum fans
- ° 1.5" - 2" double wall or single wall construction
- ° Heavy gauge galvanized, aluminum or stainless steel construction
- ° Factory tested and shipped ready to operate, including factory wired components
- ° Fan performance is factory set to job specifications
- ° Indirect-Direct cooling has a smaller carbon footprint than A/C
- ° Indirect Evaporative or coil pre-cooler

Applications

- ° Aircraft hangars
- ° Clean room M.U.A.
- ° Data Centers
- ° Food processing plants
- ° Gymnasiums
- ° Hospitals
- ° Kitchens
- ° Make up air requirement
- ° Manufacturing facilities
- ° Military bases
- ° Municipalities
- ° Prisons
- ° Process cooling
- ° Schools
- ° Textile industries
- ° Waste water treatment facility
- ° Warehouses
- ° Retail center
- ° Wholesale club

Available Options

- ° Pre-wired control package
- ° Automatic freeze protection
- ° Indirect-only module
- ° Any accessories usually available with a custom air handling unit
- ° Variety of filter options.

Standard Features**Cabinet:**

- ☒ 18 ga single skin cabinet
- ☒ Pre-painted G-90 galvanized cabinet finish
- ☒ G-90 galvanized base frame
- ☒ Double-wall hinged access doors for fan and evaporative media access
- ☒ Fan door mechanical safety locks
- ☒ Fully weatherproof
- ☒ 4" double drainable weather louver with bird screen

Fans & Motors:

- ☒ Forward curved DWDI blowers
- ☒ All fans can be ordered for up, down, or horizontal discharge
- ☒ Heavy duty L-50 200,000 hour bearings
- ☒ Fans, belts & pulleys - fully installed, aligned and tensioned
- ☒ 460v/3ph/60Hz 1-speed ODP premium efficiency motors
- ☒ Adjustable motor slide base
- ☒ 1" deflection spring anti-vibration mounts with seismic restraints
- ☒ Flexible connector at fan discharges

Evaporative Media & Pumps:

- ☒ 12" thick 90% efficient CELdek evaporative cooling media
- ☒ Fully welded #304 Stainless steel sump, media support and water distributor
- ☒ Heavy duty stainless steel pumps with adjustable water flow and bleed lines
- ☒ PVC water distribution pipe work with end cleanouts

Electrical:

- ☒ Pre-wired motors and pumps to a single external junction box
- ☒ Electrical panel

Optional Features**Cabinet:**

- ☐ 16 ga single skin casing
- ☐ G-90 galv steel cabinet finish
- ☐ Powder coated cabinet finish
- ☐ Aluminum cabinet
- ☐ #304 Stainless steel cabinet
- ☐ #304 Stainless steel base frame
- ☐ 2" double wal construction
 - ☐ 1.5# insulation
 - ☐ 3.0# insulation

Fans & Motors:

- ☐ B.I. flat bladed DWDI blower
- ☐ Airfoil bladed DWDI blower
- ☐ TEFC motors
- ☐ 2-speed (std. efficiency) motors
- ☐ Extended fan bearing lubrication lines
- ☐ Fan belt guards
- ☐ 2" deflection spring anti-vibration mounts with seismic restraints

Evaporative Media & Pumps:

- ☐ 12" thick 90% efficient GLASdek UL900 Class 2 evaporative media
- ☐ Fully welded #316 stainless steel sump, media support and water distributor
- ☐ 4" thick drift eliminator
- ☐ Copper water distribution pipe work with end cleanouts

Filters:

- ☐ 2" throwaway panel filters
- ☐ 2" Aluminum washable filters
- ☐ 2" Galvanized washable filters
- ☐ 2" Stainless steel washable filters
- ☐ Filter pressure differential gauge
- ☐ Filter pressure differential switch

Electrical:

- ☐ Single point power connection complete with motor starters, transformers & disconnect
- ☐ Internal lights with weatherproof switch
- ☐ GFI receptacle
- ☐ Fan door safety disconnect switches
- ☐ Automatic flush kit with timer
- ☐ Automatic drain-down with timer
- ☐ UL1995 Heating & cooling equip.

Project Details:

Customer:

Contact:

Phone:

Project:

Location:

Elevation: ft

Model#

Tag: Qty.

CFM ESP HP

Power Supply v/ ph/ Hz

Special Construcion Notes:**Roof Curb Options:**

- ☐ Minimum Height "
- ☐ Pitch along length "per ft
- ☐ Pitch along width "per ft
- Insulation
- Density: ☐ 1.5" ☐ 3#
- Finish: ☐ Coated ☐ Uncoated
- ☐ Built-up
- ☐ Knocked-down