

# Ecogreen®

## Air Handlers

### Air Handling Unit ECCAM

Mexico 01 800 9675 247

Toll free USA & Canada 1 (888) 241 1577



The Highest Efficiency Reliable  
Systems Cooling Solutions



[www.ecochillers.net](http://www.ecochillers.net)

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#### ECCAM Ceiling Mounted AHU:

-Air flow range:1500-15000m<sup>3</sup>/h

-10 models

-Power supply

380~415/3/50Hz

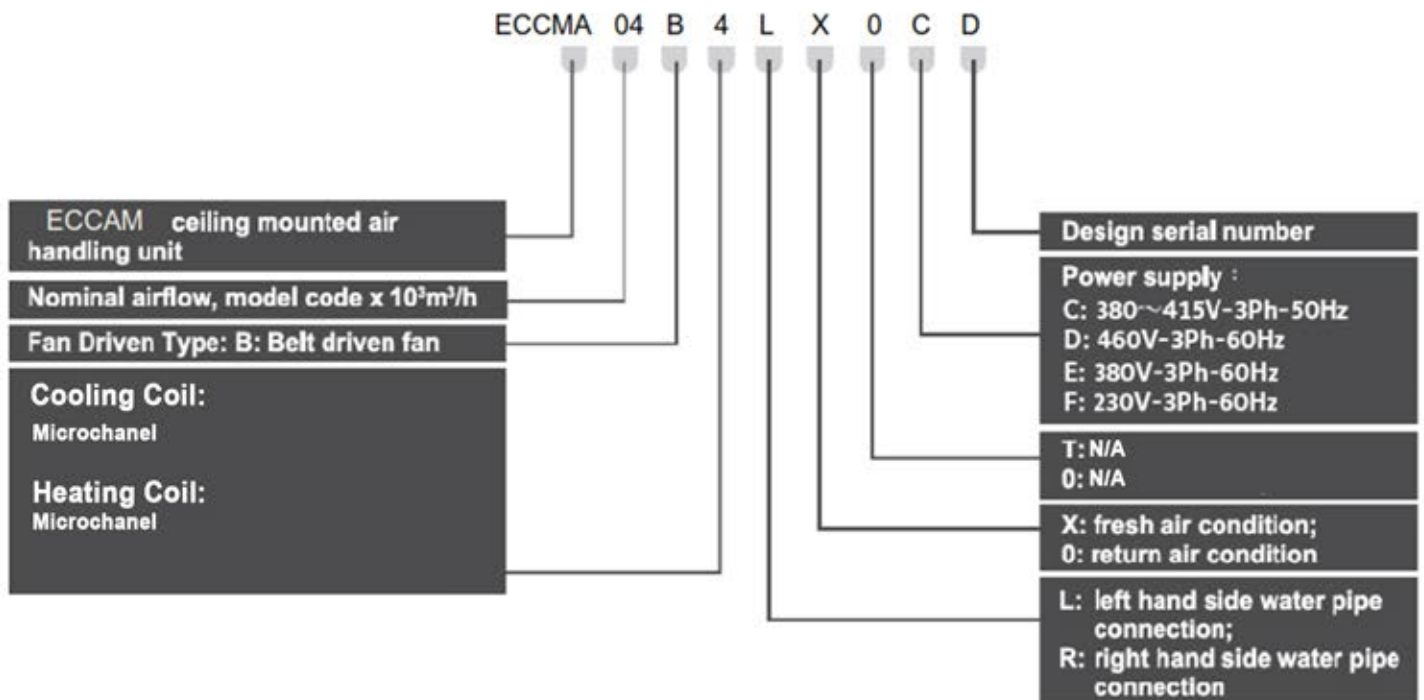
460/3/60Hz

380/3/60Hz

230/3/60Hz



#### Nomenclature



\*restrictions may apply

## Feature

- Elegant design
- Stability
- High heat exchange efficiency
- Quiet operation
- Flexible design
- Easy installation and maintenance
- Easy drainage
- Mti More options
- Quality assurance

## Elegant design

All panels are made of high quality galvanized steel.

Smooth surface, elegant profile and no fixings.

## Stability

Ceiling-mounted design with firm and stability frame.

Galvanized steel with 15mm fiberglass inner heat insulation.

## High heat exchange efficiency

Coil is made of microchannel and corrugated fins.

- To achieve high exchange efficiency.
- With long lifespan.

## Quiet operation

Each fan has been dynamically and statically balanced.

Low noise motor with belt driven.

Less vibration.

## Flexible design

Optimized design for different return air condition and fresh air condition application

## Easy installation and maintenance

### Small footprint

The internal structure has been designed using computer-aided design software, giving the units a small installation footprint.

### Low height

For 1500-4000m<sup>3</sup>/h air flow, the unit height is 417mm.

For 5000-8000m<sup>3</sup>/h air flow, the unit height is 508mm.

Each unit provides two installation options - duct type and non-duct Type.

Filter can be pulled out easily from side or bottom.

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### Easy drainage

Integral dry pan design.

Dry pan allows quick and easy drainage of condensation.

Dry pan is made of high quality anticorrosive painted steel.

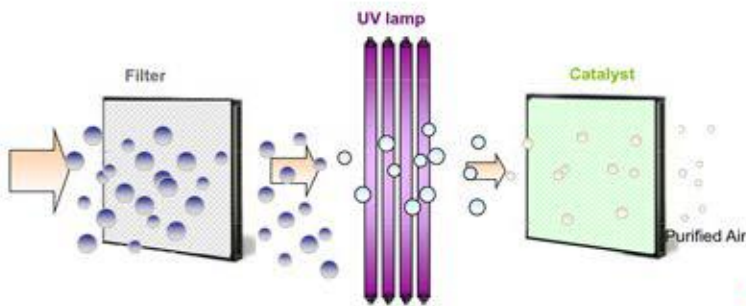
### More options

Four Pipe unit application - split coil (cooling + heating coil)

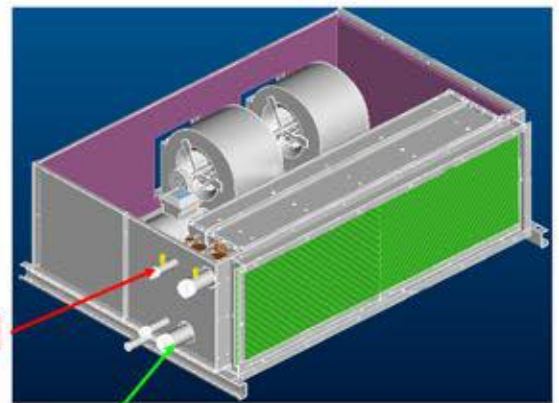
Frequent switch between cooling and heating condition.

Cooling and heating application at the same time.

### More Options



Heating coil

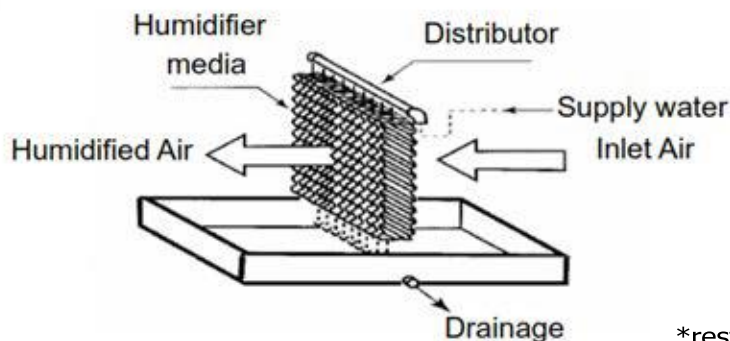


Cooling coil

### More options

### Evaporative humidifier

- Cleanness.
- Space saving.
- High saturation efficiency High saturation efficiency.



\*restrictions may apply

## Physical data

UNIT ECCAHUDX	0 7	10	12	15	20	25	30	40	50	60
NOMINAL CAPACITY (TONS)	7.5	10	12.5	15	20	25	30	40	50	60
OPERATING WEIGHT (LB)	350	376	390	690	710	750	890	940	1030	1120
Base Unit										
FANS										
Qty...Diam. (in.)	1...9 15/16	1...11 1/8	1...13 1/16	1...15 1/16	1...15 1/16	1...18 7/16	1...18 7/16	1...23 1/16	1...23 1/16	1...26 1/16
Nominal Airflow (cfm)	3000	4000	5000	6000	8000	10000	10000	16000	20000	24000
Airflow Range (cfm)	2250-3750	3000-5000	3750-6250	4500-7500	6000-10,000	7500-12,500	7500-12,500	12000-20000	15000-25000	18000-30000
Nom. Motor Hp (Standard Motor)*										
208/230-3-60 and 460-3-60	2	3	3	3	5	5	5	10	20	20
Motor Speed (rpm)										
208/230-3-60 and 460-3-60	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725
REFRIGERANT					R410A					
Operating charge (lb) (approx per circuit)	3	3	4	3/3	3/3	4/4	5/5	5/5	5.5/5.5	6/6
DIRECT-EXPANSION COIL			Enhanced Microchannel aluminum Tubes, Aluminum Fins							
Max Working Pressure (psig)			650							
Face Area (sq ft)	5.41	8.06	10.15	12.82	16.59	24.52	28.4	33.18	49.04	56.8
No. of circuits	1	1	1	2	2	2	2	2	2	2
Pressure drop thru coil (in w.g)	0.4	0.39	0.41	0.41	0.41	0.39	0.39	0.39	0.38	0.38
available static pressure (in w.g)					1.2					
FILTERS			Throwaway — Factory-Supplied							



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