



FOCUSED ON APPLICATION HVAC  
Handling Unit operates for Heating and Cooling



#### Air Handler Unit ( Information )

|                    |              |             |
|--------------------|--------------|-------------|
| AHU Model:         | CAHU-E-600L  |             |
| Capacity Nominal:  | 50.00 TR     |             |
| Capacity Total:    | 174.20 kW    | 49.58 TR    |
| Capacity Sensible: | 131.20 kW    | 37.34 TR    |
| Width:             | 2,909.00 mm  | 114.53 in   |
| Length:            | 1,506.00 mm  | 59.29 in    |
| Height:            | 1,561.00 mm  | 61.46 in    |
| Shipping Weight:   | 882.00 kg    | 1,944.48 lb |
| Nominal Voltage:   | 230-460/3/60 |             |

\* Garantía 1 ( uno ) Año en partes

#### Air Flow

|                              |                              |               |
|------------------------------|------------------------------|---------------|
| Supply Air Flow:             | 34,000.00 m <sup>3</sup> / h | 20,011.62 CFM |
| Supply Air Fan Ext Pressure: | 320.00 Pa                    | 0.128 in CA   |
| Supply Air ESP:              | 192.00 Pa                    | 0.077 in CA   |

#### Unit Specification

|                        |                         |            |
|------------------------|-------------------------|------------|
| Installation Location: | Indoor                  |            |
| Door Direction:        | Left Type               |            |
| Inner / Bottom Panel:  | 0.50 mm GI              | 0.02 in GI |
| Inner / Top Panel:     | 0.50 mm GI              | 0.02 in GI |
| Panel Thick:           | 25.00 mm                | 0.98 in    |
| Base Frame Height:     | 80.00 mm                | 3.15 in    |
| Outer Panel:           | 0.45mm Pre-coated Steel |            |
| Insulation Material:   | Polyurethane            |            |
| Base Frame Material:   | Steel Plate             |            |
| Unit Install Type:     | Floor Mounted           |            |

#### External Filter

|                    |                  |                 |
|--------------------|------------------|-----------------|
| Filter Depth:      | 10.00 mm         | 0.39 in         |
| Face Velocity:     | 2.36 m/s         | 464.57 ft / min |
| Filter Type:       | G2               |                 |
| Media Material:    | Nylon            |                 |
| Size / Qty:        | 709 mm X 705 mm  | 8.00 Pieces     |
| Air Pressure Drop: | 10.00 Pa         | 0.004 In CA     |
| Ext. Direction     | Side Extraction  |                 |
| Brand:             | Standard         |                 |
| Install Mode:      | Sliding Type     |                 |
| Frame Material:    | Galvanized Steel |                 |

#### Cooling Coil

|                  |                              |               |
|------------------|------------------------------|---------------|
| Supply Air Flow: | 34,000.00 m <sup>3</sup> / h | 20,011.62 CFM |
| Face Velocity:   | 2.71 m/s                     | 533.46 ft/min |
| Coil Model:      | 3PWQ3N-52Tx2640(DN80)        |               |
| Fin Material:    | Hydrophilic Aluminum         |               |
| Frame Material:  | Galvanized Steel             |               |
| Tube Direction:  | Left Type                    |               |

#### Cooling Coil

|                      |                     |           |
|----------------------|---------------------|-----------|
| Number of Coils:     | 1.00 Pieces         |           |
| Tube Material:       | Copper              |           |
| Header Material:     | Seamless Steel Pipe |           |
| Header Diameter:     | DN 80 Ø             | 3.00 In Ø |
| Moisture Eliminator: | None                |           |
| DP Material:         | Standard            |           |

#### Water Side Condition Heating

|                            |           |               |
|----------------------------|-----------|---------------|
| Capacity Total:            | 371.00 kW | 105.59 TR     |
| Entering Water Temp:       | 60.00 °C  | 140.00 °F     |
| Leaving Water Temp:        | 49.40 °C  | 120.92 °F     |
| Water Flow:                | 8.37 L/s  | 132.67 GPM    |
| Water Pressure Drop (WPD): | 38.50 kPa | 12.8803 ft CA |

#### Water Side Condition Cooling

|                            |           |               |
|----------------------------|-----------|---------------|
| Capacity Total:            | 174.20 kW | 49.58 TR      |
| Capacity Sensible:         | 131.20 kW | 37.34 TR      |
| Entering Water Temp:       | 7.00 °C   | 44.60 °F      |
| Leaving Water Temp:        | 12.10 °C  | 53.78 °F      |
| Water Flow:                | 8.13 L/s  | 128.86 GPM    |
| Water Pressure Drop (WPD): | 36.80 kPa | 12.3115 ft CA |

#### Air Side Condition Heating

|                          |           |             |
|--------------------------|-----------|-------------|
| Entering Air Temp (DB ): | 15.00 °C  | 59.00 °F    |
| Entering Air Temp (WB):  | 12.00 °C  | 53.60 °F    |
| Leaving Air Temp (DB ):  | 47.40 °C  | 117.32 °F   |
| Leaving Air Temp (WB):   | 12.20 °C  | 53.96 °F    |
| Air Pressure Drop:       | 100.00 Pa | 0.040 in CA |

#### Air Side Condition Cooling

|                          |           |             |
|--------------------------|-----------|-------------|
| Entering Air Temp (DB ): | 27.00 °C  | 80.60 °F    |
| Entering Air Temp (WB):  | 19.50 °C  | 67.10 °F    |
| Leaving Air Temp (DB ):  | 15.60 °C  | 60.08 °F    |
| Leaving Air Temp (WB):   | 14.40 °C  | 57.92 °F    |
| Air Pressure Drop:       | 100.00 Pa | 0.040 in CA |



### SUPPLY AIR FAN

|                          |                             |                 |
|--------------------------|-----------------------------|-----------------|
| Access Door:             | Standard                    |                 |
| Supply Air Flow:         | 34,000.00 m <sup>3</sup> /h | 20,011.62 CFM   |
| Fan Brand:               | Langdi                      |                 |
| Fan Bearing:             | Standard                    |                 |
| Fan Model:               | LDD450K2                    |                 |
| Supply Air Fan:          | FT                          |                 |
| Blade Type:              | Forward Curved              |                 |
| Fan Speed:               | 733.60 Rpm                  |                 |
| Fan Speed Limit:         | 1,200.00 Rpm                |                 |
| Fan Shaft Power:         | 7.70 Kw                     |                 |
| Fan Outlet Air Velocity: | 14.60 m/s                   | 2,874.02 ft/min |
| Fan Total Efficiency:    | 52.60%                      |                 |
| Fan Static Efficiency:   | 37.00%                      |                 |
| Fan Pulley:              | SPA280-2-2517               |                 |
| Fan Pulley Bush:         | 2517/45                     |                 |
| Air Outlet Type:         | Flange                      |                 |

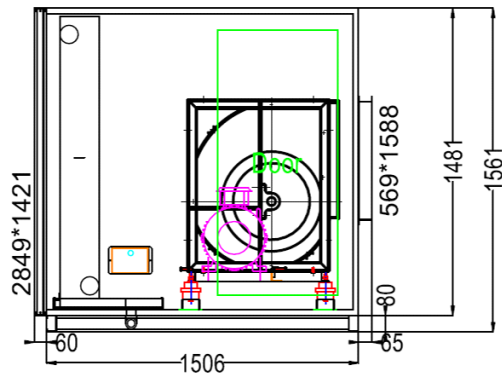
### SUPPLY AIR FAN

|                          |                                |                   |
|--------------------------|--------------------------------|-------------------|
| Access Direction:        | Left type                      |                   |
| TSP:                     | 302.00 Pa                      | 0.121 In CA       |
| Motor Brand:             | Brook                          |                   |
| Motor Type (reinforced): | Inverter Duty motor W/O FCF    |                   |
| Motor Type:              | NOT INCLUDE frequency inverter |                   |
| Motor Velocity:          | 1 (ONE) Speed                  |                   |
| Motor (Power-Pole):      | 11.00 kW - 4P                  | 14.75 hp - 4P     |
| Motor Energy Efficiency: | IE3                            | 230-460/3/60      |
| Motor location:          | SM                             |                   |
| Wiring Direct:           | Left type                      |                   |
| Motor Pulley:            | SPA118-2-1610                  |                   |
| Motor Pulley Bush:       | 1610/42                        |                   |
| Air Outlet Size:         | 569mm X 1588mm                 | 22.40in X 62.52in |
| Belt:                    | SPA1207                        |                   |
| Air Outlet Location:     | Front Panel                    |                   |

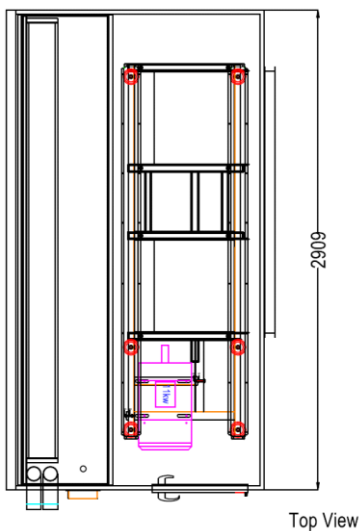
### SOUND POWER

| Sound Power:    | 63.00 Hz | 125.00 Hz | 250.00 Hz | 500.00 Hz | 1.00 kHz | 2.00 kHz | 4.00 kHz | 8.00 kHz | Total dB(A) |
|-----------------|----------|-----------|-----------|-----------|----------|----------|----------|----------|-------------|
| Inlet LwI (A):  | 64.9     | 74.9      | 79.9      | 82.9      | 83.9     | 80.9     | 78.9     | 72.9     | 88.9        |
| Outlet LwO (A): | 67.9     | 77.9      | 82.9      | 85.9      | 86.9     | 83.9     | 81.9     | 75.9     | 92.0        |
| Type Lw (A):    | 64.5     | 68.0      | 73.4      | 72.2      | 73.7     | 71.2     | 63.9     | 33.7     | 79.4        |

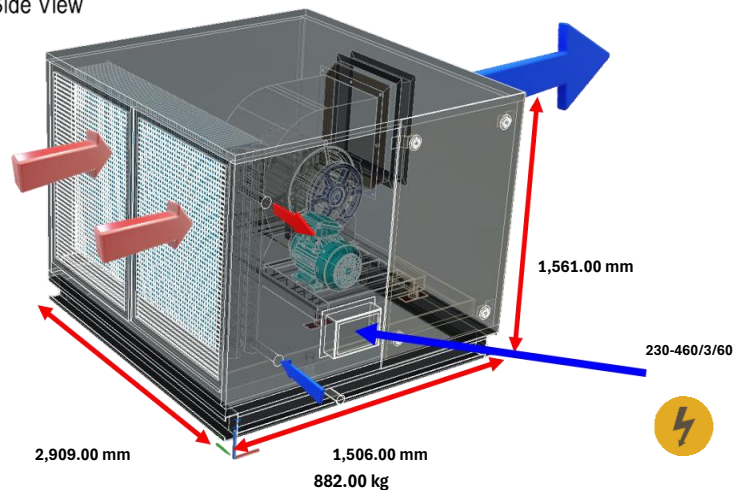
### UNIT DIMENSIONS



Side View



Top View



**Coral**