



FOCUSED ON APPLICATION HVAC
Handling Unit operates for Heating and Cooling



Air Handler Unit (Information)

AHU Model:	CAHU-E-360L	
Capacity Nominal:	30.00 TR	
Capacity Total:	107.00 kW	30.45 TR
Capacity Sensible:	78.00 kW	22.20 TR
Width:	2,195.00 mm	86.42 in
Length:	1,406.00 mm	55.35 in
Height:	1,204.00 mm	47.40 in
Shipping Weight:	539.00 kg	1,188.29 lb
Nominal Voltage:	230-460/3/60	

*** Garantía 1 (uno) Año en partes**

Air Flow

Supply Air Flow:	18,000.00 m ³ / h	10,594.39 CFM
Supply Air Fan Ext Pressure:	270.00 Pa	0.108 in CA
Supply Air ESP:	181.00 Pa	0.073 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:	2.24 m/s	440.94 ft / min
Filter Type:	G2	
Media Material:	Nylon	
Size / Qty:	708 mm X 526 mm	6.00 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:	18,000.00 m ³ / h	10,594.39 CFM
Face Velocity:	2.68 m/s	527.56 ft/min
Coil Model:	3PWP3N-38Tx1930(DN50)	
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 50 Ø	2.00 In Ø
Moisture Eliminator:	None	
DP Material:	Standard	

Water Side Condition Heating

Capacity Total:	210.80 kW	59.99 TR
Entering Water Temp:	60.00 °C	140.00 °F
Leaving Water Temp:	50.00 °C	122.00 °F
Water Flow:	5.03 L/s	79.73 GPM
Water Pressure Drop (WPD):	64.40 kPa	21.5452 ft CA

Water Side Condition Cooling

Capacity Total:	107.00 kW	30.45 TR
Capacity Sensible:	78.00 kW	22.20 TR
Entering Water Temp:	7.00 °C	44.60 °F
Leaving Water Temp:	12.00 °C	53.60 °F
Water Flow:	5.10 L/s	80.84 GPM
Water Pressure Drop (WPD):	66.00 kPa	22.0805 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):	49.70 °C	121.46 °F
Leaving Air Temp (WB):	12.60 °C	54.68 °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):	14.10 °C	57.38 °F
Leaving Air Temp (WB):	13.20 °C	55.76 °F
Air Pressure Drop:	100.00 Pa	0.040 in CA



SUPPLY AIR FAN

Access Door:	Standard	
Supply Air Flow:	18,000.00 m ³ /h	10,594.39 CFM
Fan Brand:	Langdi	
Fan Bearing:	Standard	
Fan Model:	LDT18-13L2	
Supply Air Fan:	FT	
Blade Type:	Forward Curved	
Fan Speed:	688.30 Rpm	
Fan Speed Limit:	1,200.00 Rpm	
Fan Shaft Power:	3.20 Kw	
Fan Outlet Air Velocity:	12.20 m/s	2,401.57 ft/min
Fan Total Efficiency:	58.60%	
Fan Static Efficiency:	44.90%	
Fan Pulley:	SPA236-2-2517	
Fan Pulley Bush:	2517/35	
Air Outlet Type:	Flange	

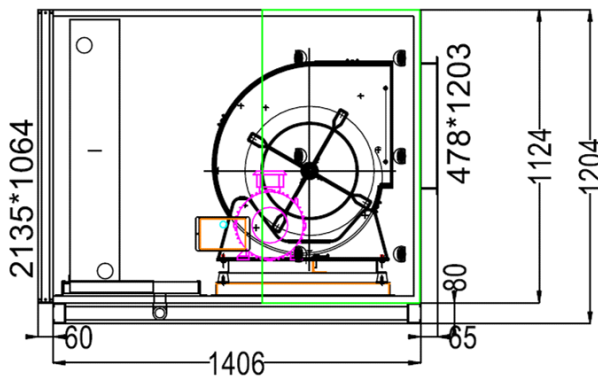
SUPPLY AIR FAN

Access Direction:	Left type	
TSP:	291.00 Pa	0.117 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):	5.50 kW - 4P	7.38 hp - 4P
Motor Energy Efficiency:	IE3	230-460/3/60
Motor location:	SM	
Wiring Direct:	Left type	
Motor Pulley:	SPA90-2-1610	
Motor Pulley Bush:	1610/38	
Air Outlet Size:	478mm X 1203mm	18.82in X 47.36in
Belt:	SPA1057	
Air Outlet Location:	Front Panel	

SOUND POWER

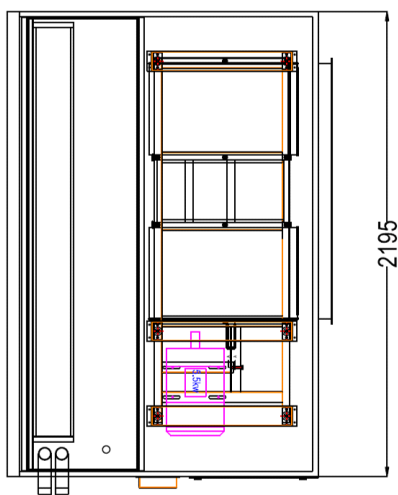
Sound Power:	63.00 Hz	125.00 Hz	250.00 Hz	500.00 Hz	1.00 kHz	2.00 kHz	4.00 kHz	8.00 kHz	Total dB(A)
Inlet LwI (A):	57.3	67.3	72.3	75.3	76.3	73.3	71.3	65.3	81.3
Outlet LwO (A):	60.3	70.3	75.3	78.3	79.3	76.3	74.3	68.3	84.4
Type Lw (A):	56.9	60.4	65.8	64.6	66.1	63.6	56.3	26.1	71.8

UNIT DIMENSIONS

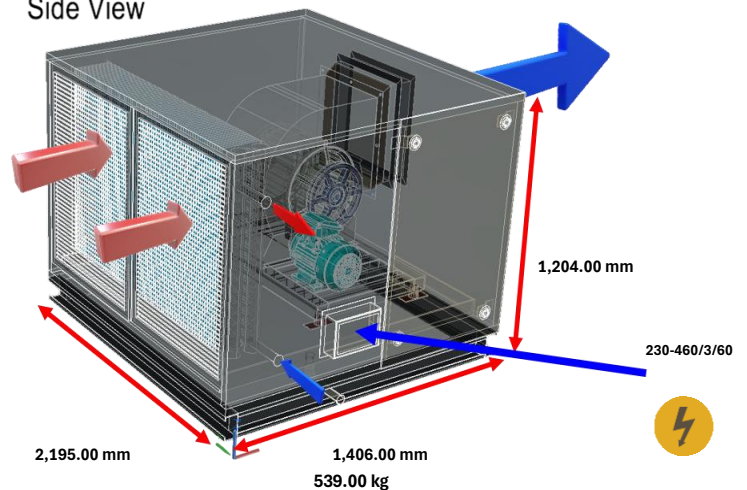


CAHU-E-360L

Side View



Top View



Coral