



FOCUSED ON APPLICATION HVAC
Handling Unit operates for Heating and Cooling



Air Handler Unit (Information)

AHU Model:	CAHU-E-120L	
Capacity Nominal:	10.00 TR	
Capacity Total:	37.90 kW	10.79 TR
Capacity Sensible:	27.40 kW	7.80 TR
Width:	1,277.00 mm	50.28 in
Length:	1,106.00 mm	43.54 in
Height:	847.00 mm	33.35 in
Shipping Weight:	223.00 kg	491.63 lb
Nominal Voltage:	230-460V / 3 Ph / 60Hz	

*** Garantía 1 (uno) Año en partes**

Air Flow

Supply Air Flow:	6,200.00 m ³ / h	3,649.18 CFM
Supply Air Fan Ext Pressure:	170.00 Pa	0.068 in CA
Supply Air ESP:	72.00 Pa	0.029 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:	2.03 m/s	399.61 ft / min
Filter Type:	G2	
Media Material:	Nylon	
Size / Qty:	604mm X 701 mm	2.00 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:	6,200.00 m ³ / h	3,649.18 CFM
Face Velocity:	2.82 m/s	555.12 ft/min
Coil Model:	2PWF5M-28Tx1040(DN32)	
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 32 Ø	1.25 In Ø
Moisture Eliminator:	None	
DP Material:	Standard	

Water Side Condition Heating

Capacity Total:	66.60 kW	18.95 TR
Entering Water Temp:	60.00 °C	140.00 °F
Leaving Water Temp:	50.20 °C	122.36 °F
Water Flow:	1.62 L/s	25.68 GPM
Water Pressure Drop (WPD):	52.60 kPa	17.5975 ft CA

Water Side Condition Cooling

Capacity Total:	37.90 kW	10.79 TR
Capacity Sensible:	27.40 kW	7.80 TR
Entering Water Temp:	7.00 °C	44.60 °F
Leaving Water Temp:	12.00 °C	53.60 °F
Water Flow:	1.81 L/s	28.69 GPM
Water Pressure Drop (WPD):	65.80 kPa	22.0136 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):	46.90 °C	116.42 °F
Leaving Air Temp (WB):	13.40 °C	56.12 °F
Air Pressure Drop:	150.00 Pa	0.060 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):	13.90 °C	57.02 °F
Leaving Air Temp (WB):	13.30 °C	55.94 °F
Air Pressure Drop:	150.00 Pa	0.060 in CA



SUPPLY AIR FAN

Access Door:	Standard	
Supply Air Flow:	6,200.00 m ³ / h	3,649.18 CFM
Fan Brand:	Langdi	
Fan Bearing:	Standard	
Fan Model:	LDT12-12L	
Supply Air Fan:	FT	
Blade Type:	Forward Curved	
Fan Speed:	857.10 Rpm	
Fan Speed Limit:	1,500.00 Rpm	
Fan Shaft Power:	1.00 Kw	
Fan Outlet Air Velocity:	12.80 m/s	2,519.69 ft/min
Fan Total Efficiency:	57.80%	
Fan Static Efficiency:	40.60%	
Fan Pulley:	SPZ150-2-2012	
Fan Pulley Bush:	2012/25	
Air Outlet Type:	Flange	

SUPPLY AIR FAN

Access Direction:	Left type	
TSP:	232.00 Pa	0.093 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):	1.50 kW - 4P	2.01 hp - 4P
Motor Energy Efficiency:	IE3	230-460V / 3 Ph / 60Hz
Motor location:	SM	
Wiring Direct:	Left type	
Motor Pulley:	SPZ71-2-1108	
Motor Pulley Bush:	1108/24	
Air Outlet Size:	341mm X 395mm	13.42in X 15.55in
Belt:	SPZ887	
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):	55.8	65.8	70.8	73.8	74.8	71.8	69.8	63.8	79.8
Outlet LwO (A):	58.8	68.8	73.8	76.8	77.8	74.8	72.8	66.8	82.9
Type Lw (A):	55.4	58.9	64.3	63.1	64.6	62.1	54.8	24.6	70.3

UNIT DIMENSIONS

