



FOCUSED ON APPLICATION HVAC
Handling Unit operates for Heating and Cooling



Air Handler Unit (Information)

AHU Model:	CAHU-E-300L	
Capacity Nominal:	25.00 TR	
Capacity Total:	90.40 kW	25.73 TR
Capacity Sensible:	66.00 kW	18.78 TR
Width:	1,991.00 mm	78.39 in
Length:	1,306.00 mm	51.42 in
Height:	1,153.00 mm	45.39 in
Shipping Weight:	447.00 kg	985.47 lb
Nominal Voltage:	230-460V / 3 Ph / 60Hz	

*** Garantía 1 (uno) Año en partes**

AIR FLOW

Supply Air Flow:	15,000.00 m ³ / h	8,828.66 CFM
Supply Air Fan Ext Pressure:	270.00 Pa	0.108 in CA
Supply Air ESP:	155.00 Pa	0.062 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:	2.17 m/s	427.17 ft / min
Filter Type:	G2	
Media Material:	Nylon	
Size / Qty:	640mm X 501 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:	15,000.00 m ³ / h	8,828.66 CFM
Face Velocity:	2.63 m/s	517.72 ft/min
Coil Model:	3PWP3N-36Tx1730(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:	172.70 kW	49.15 TR
Entering Water Temp:	60.00 °C	140.00 °F
Leaving Water Temp:	50.00 °C	122.00 °F
Water Flow:	4.12 L/s	65.30 GPM
Water Pressure Drop (WPD):	44.90 kPa	15.0214 ft CA

Water Side Condition Cooling

Capacity Total:	90.40 kW	25.73 TR
Capacity Sensible:	66.00 kW	18.78 TR
Entering Water Temp:	7.00 °C	44.60 °F
Leaving Water Temp:	12.00 °C	53.60 °F
Water Flow:	4.30 L/s	68.16 GPM
Water Pressure Drop (WPD):	46.00 kPa	15.3894 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):	49.20 °C	120.56 °F
Leaving Air Temp (WB):	12.50 °C	54.50 °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):	13.90 °C	57.02 °F
Leaving Air Temp (WB):	13.00 °C	55.40 °F
Air Pressure Drop:	100.00 Pa	0.040 in CA



SUPPLY AIR FAN

Access Door:	Standard	
Supply Air Flow:	15,000.00 m ³ /h	8,828.66 CFM
Fan Brand:	Langdi	
Fan Bearing:	Standard	
Fan Model:	LDT15-11L2	
Supply Air Fan:	FT	
Blade Type:	Forward Curved	
Fan Speed:	788.80 Rpm	
Fan Speed Limit:	1,300.00 Rpm	
Fan Shaft Power:	2.80 Kw	
Fan Outlet Air Velocity:	13.80 m/s	2,716.54 ft/min
Fan Total Efficiency:	56.60%	
Fan Static Efficiency:	39.50%	
Fan Pulley:	SPA200-2-2517	
Fan Pulley Bush:	2517/30	
Air Outlet Type:	Flange	

SUPPLY AIR FAN

Access Direction:	Left type	
TSP:	265.00 Pa	0.106 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):	4.00 kW - 4P	5.36 hp - 4P
Motor Energy Efficiency:	IE3	230-460V / 3 Ph / 60Hz
Motor location:	SM	
Wiring Direct:	Left type	
Motor Pulley:	SPA90-2-1610	
Motor Pulley Bush:	1610/28	
Air Outlet Size:	404mm X 1040mm	15.90in X 40.94in
Belt:	SPA1082	
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):	59.9	69.9	74.9	77.9	78.9	75.9	73.9	67.9	83.9
Outlet LwO (A):	62.9	72.9	77.9	80.9	81.9	78.9	76.9	70.9	87.0
Type Lw (A):	59.5	63.0	68.4	67.2	68.7	66.2	58.9	28.7	74.4

UNIT DIMENSIONS

