



FOCUSED ON APPLICATION HVAC
Handling Unit operates for Heating and Cooling



Air Handler Unit (Information)

AHU Model:	CAHU-E-150L	
Capacity Nominal:	12.50 TR	
Capacity Total:	50.80 kW	14.46 TR
Capacity Sensible:	36.00 kW	10.25 TR
Width:	1,277.00 mm	50.28 in
Length:	1,206.00 mm	47.48 in
Height:	949.00 mm	37.36 in
Shipping Weight:	257.00 kg	566.59 lb
Nominal Voltage:	230-460V / 3 Ph / 60Hz	

* Garantía 1 (uno) Año en partes

AIR FLOW

Supply Air Flow:	7,200.00 m ³ / h	4,237.75 CFM
Supply Air Fan Ext Pressure:	220.00 Pa	0.088 in CA
Supply Air ESP:	114.00 Pa	0.046 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:	2.06 m/s	405.51 ft / min
Filter Type:	G2	
Media Material:	Nylon	
Size / Qty:	604mm X 803 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:	7,200.00 m ³ / h	4,237.75 CFM
Face Velocity:	2.70 m/s	531.50 ft/min
Coil Model:	3PWP5M-28Tx1040(DN40)	
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 40 Ø	1.50 In Ø
Moisture Eliminator:	None	
DP Material:	Standard	

Water Side Condition Heating

Capacity Total:	100.00 kW	28.46 TR
Entering Water Temp:	60.00 °C	140.00 °F
Leaving Water Temp:	49.40 °C	120.92 °F
Water Flow:	2.26 L/s	35.82 GPM
Water Pressure Drop (WPD):	28.00 kPa	9.3675 ft CA

Water Side Condition Cooling

Capacity Total:	50.80 kW	14.46 TR
Capacity Sensible:	36.00 kW	10.25 TR
Entering Water Temp:	7.00 °C	44.60 °F
Leaving Water Temp:	12.10 °C	53.78 °F
Water Flow:	2.37 L/s	37.57 GPM
Water Pressure Drop (WPD):	30.40 kPa	10.1704 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):	56.20 °C	133.16 °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):	12.20 °C	53.96 °F
Leaving Air Temp (WB):	12.10 °C	53.78 °F
Air Pressure Drop:	150.00 Pa	0.060 in CA



SUPPLY AIR FAN

Access Door:	Standard	
Supply Air Flow:	7,200.00 m ³ / h	4,237.75 CFM
Fan Brand:	Langdi	
Fan Bearing:	Standard	
Fan Model:	LDT15-11LK	
Supply Air Fan:	FT	
Blade Type:	Forward Curved	
Fan Speed:	750.10 Rpm	
Fan Speed Limit:	1,300.00 Rpm	
Fan Shaft Power:	1.20 Kw	
Fan Outlet Air Velocity:	13.30 m/s	2,618.11 ft/min
Fan Total Efficiency:	62.50%	
Fan Static Efficiency:	45.10%	
Fan Pulley:	SPZ200-2-2012	
Fan Pulley Bush:	2012/30	
Air Outlet Type:	Flange	

SUPPLY AIR FAN

Access Direction:	Left type	
TSP:	274.00 Pa	0.110 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:	SPZ85-2-1610	
Motor Pulley Bush:	1610/24	
Air Outlet Size:	404mm X 373mm	14.68in X 14.68in
Belt:	SPZ1137	
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

