



FOCUSED ON APPLICATION HVAC

Handling Unit operates for Heating and Cooling



* Garantía 1 (uno) Año en partes

Air Handler Unit (Information)

AHU Model:	CAHU-E-240L	
Capacity Nominal:	20.00 Tons	
Capacity Total:	72.40 Kw	20.60 Tons
Capacity Sensible:	53.20 Kw	15.14 Tons
Width:	1,685.00 mm	66.34 in
Length:	1,406.00 mm	55.35 in
Height:	1,102.00 mm	43.39 in
Shipping Weight:	376.00 Kgs	828.94 Lbs
Voltaje Nominal:	230-460V/3Ph/60Hz	

Unit Specification

Install Locate:	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	

Cooling Coil

Supply Air Flow:	12,000.00 m ³ /Hr	7,062.92 Cfm
Face Velocity:	2.68 m/s	527.56 ft/min
Coil Model:	3PWF4D-34Tx1440(DN40)	
Fin Material:	Hydrophilic Al	
Frame Material:	Galvanized Seel	
Tube Direct:	Left Type	

Water Side Condition Heating

Capacity Total:	157.10 Kw	44.71 Tons
Entering Water Temp:	60.00 °C	140.00 °F
Leaving Water Temp:	48.40 °C	119.12 °F
Water Flow:	3.22 L/s	51.04 Gpm
Water Pressure Drop (WPD):	34.50 kPa	11.5421 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):	53.90 °C	129.02 °F
Leaving Air Temp (WB):	12.90 °C	55.22 °F
Air Pressure Drop:	100.00 Pa	0.401 In CA

Air Flow

Supply Air Flow:	12,000.00 m ³ /Hr	7,062.92 Cfm
Supply Air Fan Ext Pressure:	270.00 Pa	1.084 In CA
Supply Air ESP:	176.00 Pa	0.707 In CA

Open 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:	538mm X 475 mm	6.00 Pieces
Air Pressure Drop:	10.00 Pa	0.040 In CA
Ext. Direction	Side Extraction	
Brand:	Starndard	
Install Mode:	Sliding Type	
Frame Material:	Galvanize Steel	

Cooling Coil

Number of Coils:	1.00 Pieces	
Tupe Material:	Cooper Pipe	
Heater Material:	Seamless Steel Pipe	
Heater Diameter:	DM 40 Ø	1.50 In Ø
Mousture Eliminator:	None	
DP Material:	Standard	

Water Side Condition Cooling

Capacity Total:	72.40 Kw	20.60 Tons
Capacity Sensible:	53.20 Kw	15.14 Tons
Entering Water Temp:	7.00 °C	44.60 °F
Leaving Water Temp:	12.30 °C	54.14 °F
Water Flow:	3.25 L/s	51.51 Gpm
Water Pressure Drop (WPD):	34.90 kPa	11.6759 ft 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:	100.00 Pa	0.401 In CA



SUPPLY AIR FAN

Acces Door:	Standard	
Supply Air Flow:	12,000.00 m ³ /Hr	7,062.92 Cfm
Fan Brand:	Langdi	
Fan Bearing:	Standard	
Fan Model:	LDT18-18LK	
Supply Air Fan:	FT	
Blade Type:	Forward Curved	
Fan Speed:	661.00 Rpm	
Fan Speed Limit:	1,100.00 Rpm	
Fan Shaft Power:	2.10 Kw	
Fan Outlet Air Velocity:	12.50 m/s	2,460.63 ft/min
Fan Total Efficiency:	60.70%	
Fan Static Efficiency:	45.70%	
Fan Pulley:	SPZ250-2-2012	
Fan Pulley Bush:	2012/35	
Air Outlet Type:	Flange	

SUPPLY AIR FAN

Acces Direction:	Left type	
TPS:	286.00 Pa	1.148 In CA
Motor Brand:	Brook	
Motor Type (reinforced):	Inverter Duty motor W/O FCF	
Motor Type:	NOT INCLUDE frequency inverter	
Motor Velocity:	1 (ONE) Constant Speed	
Motor (Power-Pole):	3.00 Kw - 4P	4.02 Hp - 4P
Motor Energy Efficiency:	IE3	230-460V/3Ph/60Hz
Motor location:	SM	
Wiring Direct:	Left type	
Motor Pulley:	SPZ95-2-1610	
Motor Pulley Bush:	1610/28	
Air Outlet Size:	478mm X 557mm	18.82in X 21.93in
Belt:	SPZ1362	
Air Outlet Location:	Front Panel	

INVERTER DUTY MOTOR: Indica que el Motor esta reforzado para poder operar con variador de frecuencia pero sin el variador el motor opera a velocidad constante.

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):	55.7	65.7	70.7	73.7	74.7	71.7	69.7	63.7	79.7
Outlet LwO (A):	58.7	68.7	73.7	76.7	77.7	74.7	72.7	66.7	82.8
Type Lw (A):	55.3	58.8	64.2	63.0	64.5	62.0	54.7	24.5	70.2

UNIT DIMENSIONS

