

PLA-AE18NL 18,000 BTU/H CEILING CASSETTE INDOOR UNIT



Job Name:

System Reference:

Date:



GENERAL FEATURES

- **3D i-see Sensor® (Built-in):** This advanced sensor scans the room for occupancy, then adjusts temperature and airflow based on user preferences, and saves energy when a room is empty.
- **Swing Mode:** An indoor unit with this capability can move air throughout the room like an oscillating fan.
- **Light Commercial:** Light commercial applications include small offices, restaurants, and retail.
- **Horizontal Vane Control:** Horizontal Vane Control allows the indoor unit vanes to be moved left right to provide even temperatures throughout a space.
- **Ventilation Air Intake:** A duct opening is provided, which allows outside air to be brought inside so it can be heated or cooled.
- **Condensate Lift Mechanism:** A built-in condensate lift mechanism removes water that is collected during operation and reduces the need for an additional pump to remove condensate water.

SPECIFICATIONS			SYSTEM
UNIT TYPE			PLA-AE18NL
Cooling Capacity (Nominal) ^{1,3}	Cooling Capacity (Nominal)	Btu/h	18000
Heating Capacity (Nominal) ^{2,3}	Heating Capacity (Nominal)	Btu/h	19000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ϕ , Hz	208 / 230 , 1 , 60
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	12-24
Indoor Unit	MCA	A	1
	MOCP	A	15
	Fan Motor Type		DC Motor
	Fan Motor Output	W	50
	Airflow Rate at Cooling, Dry	CFM	460 , 490 , 570 , 600
	Airflow Rate at Heating, Dry	CFM	460 , 490 , 570 , 600
	Sound Pressure Level [Cooling]	dB (A)	28 , 29 , 31 , 32
	Sound Pressure Level [Heating]	dB (A)	28 , 29 , 31 , 32
	Dual Barrier Coating on Heat Exchanger		No
	External Finish Color		1.0Y 9.2/0.2
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	33-1/16 x 33-1/16 x 10-3/16 [840 x 840 x 258]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	34-5/16 x 35-9/16 x 15 [871 x 903 x 381]
	Unit Weight	lbs [kg]	46 [21]
	Package Weight	lbs [kg]	71 [32]
Refrigerant	Type		R454B
Piping	Liquid Pipe Size O.D.	inch [mm]	1/4 [6.35]
	Gas Pipe Size O.D.	inch [mm]	1/2 [12.7]
Indoor Unit	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]

Notes

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Nominal capacity only. Actual capacity output varies based on the system specific configuration

INDOOR UNIT ACCESSORIES: PLA-AE18NL

3D Flow	3D Total Flow Unit	☐ PLP-U160ELR-E
Casement	Multi-function casement	☐ PAC-SJ41TM-E
Condensate	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	☐ X87-711
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐ X87-835
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐ SI30-230
	Blue Diamond MicroBlue Condensate Pump 115-230V up to 18k BTU/h	☐ X86-003
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
Control Interface	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	IT Extender	☐ PAC-WHS01IE-E
	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	Wireless Interface 2 for Comfort app	☐ PAC-USWHS002-WF-2
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
	Operation and Error Status Output Adapter	☐ PAC-SF40RM-E
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
Disconnect Switch	kumo station® for Comfort app	☐ PAC-WHS01HC-E
	(30A/600V/UL) [fits 2" X 4" utility box] - White	☐ TAZ-MS303W
Filter	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
	High efficiency filter element (requires PAC-SJ41TM-E)	☐ PAC-SH59KF-E
Grille	Grille (3D i-See sensor panel)	☒ PLP-41EAEU
Lineset	1/4 x 1/2 Lineset Twin-Tube Insulation - 50 feet	☐ MLS141212T-50
	1/4 x 1/2 Lineset Twin-Tube Insulation - 30 feet	☐ MLS141212T-30
	1/4 x 1/2 Lineset Twin-Tube Insulation - 65 feet	☐ MLS141212T-65
	1/4 x 1/2 Lineset Twin-Tube Insulation - 100 feet	☐ MLS141212T-100
	1/4 x 1/2 Lineset Twin-Tube Insulation - 15 feet	☐ MLS141212T-15
N/A		☐ Unknown
Remote Sensor	Wall Mounted Remote Temperature Sensor	☐ PAC-SE41TS-E
	Wireless temperature and humidity sensor for Comfort app	☐ PAC-USWHS003-TH-1
	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	☐ PAC-USSEN002-FM-1
Shutter Plate	Air outlet shutter plate	☐ PAC-SJ37SP-E
Terminal Signal Adapter	Backup Heat Relay Kit	☐ CN24RELAY-KIT-CM3
	3-Pin Wiring Harness	☐ PAC-715AD
	5-Pin Wiring Harness	☐ PAC-725AD
Wired Remote Controller	Touch MA Remote Controller	☐ PAR-CT01MAU-SB
	Deluxe MA Wired Remote Controller	☐ PAR-42MAAUB
	Simple MA Remote Controller	☐ PAC-YT53CRAU-J
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
Wireless Remote Controller	Wireless signal receiver (corner panel) (for PAR-SL101A-E / PAR-FL32MA)	☐ PAR-SR4LU-E
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
	Wireless Remote Receiver Panel	☐ PAR-SR3LA-E
	Wireless RedLINK™ Remote Controller	☐ MHK2
	Wireless Remote Contoller	☐ PAR-SL101A-E
Notes		

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