

# PLA-A18EA7 18,000 BTU/H 3' X 3' CEILING CASSETTE



Job Name:

System Reference:

Date:



## GENERAL FEATURES

- Space-efficient ductless installation
- Equipped with 3D i-see Sensor® for enhanced comfort and energy efficiency
- Airflow settings for high and low ceiling applications
- Individual vane settings for direct/indirect airflow control or variable airflow patterns
- Knockouts for outside-air intake and branch-duct run
- Filter indicator signal
- Easy-to-clean, washable filter (optional high-efficiency filter available - requires multi-function casement)
- Built-in condensate lift mechanism
- Ideal for retail shops, classrooms, office spaces, conference centers, building lobbies, and more
- Multiple control options available:
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers

Specifications		System	
Unit Type		PLA-A18EA7	
Cooling Capacity <sup>1,3</sup>	BTU/H	18,000	
Heating Capacity <sup>2,3</sup>	BTU/H	19,000	
Electrical	Voltage, Phase, Frequency	208/230, 1, 60	
	Guaranteed Voltage Range	V AC	198- 253V
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating [SCCR]	kA	5
Indoor Unit	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.34
	Fan Motor Output	W	50
	Airflow Rate at Cooling, Dry	CFM	460-460-570-600
	Airflow Rate at Cooling, Wet	CFM	380-420-530-560
	Airflow Rate at Heating, Dry	CFM	420-460-570-600
	Sound Pressure Level [Cooling]	dB[A]	28-29-31-32
	Sound Pressure Level [Heating]	dB[A]	28-29-31-32
	Drain Pipe Size	In. [mm]	1-1/4 [32]
	Condensate Lift Mechanism, Maximum Distance	In. [mm]	33-7/16 [849]
	Coating on Heat Exchanger	—	
	External Finish Color	White Munsell 6.4Y 8.9/0.4	
	Unit Dimensions	W x D x H: In. [mm]	33-1/16 // 37-13/32 x 33-1/16 // 37-13/32 x 10-5/32 // 1-9/16 [840 // 950 x 840 // 950 x 258 // 40]
	Package Dimensions	W x D x H: In. [mm]	35-9/16 // 39-6/16 x 34-5/16 // 38-3/16 x 15 // 4-12/16 [903 // 1000 x 871 // 970 x 381 // 121]
	Unit Weight	Lbs. [kg]	46 // 11 [21 // 5]
Package Weight	Lbs. [kg]	68 [31]	
Refrigerant	Type	R410A	
Piping	Gas Pipe Size O.D. [Flared]	In. [mm]	1/2 [12.7]
	Liquid Pipe Size O.D. [Flared]	In. [mm]	1/4 [6.35]

NOTES:  
 Conditions <sup>1</sup>Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB  
<sup>2</sup>Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

<sup>3</sup>Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.:

## INDOOR UNIT ACCESSORIES: PLA-A18EA7

Control Interface	3-Pin Connector	PAC-715AD
	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Lockdown bracket for remote controller	RCMKP1CB
	Remote Operation Adapter†	PAC-SF40RM-E
	Thermostat Interface	PAC-US444CN-1
	USNAP Adapter	PAC-WHS01UP-E
Remote Sensor	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
	Flush Mount Temperature Sensor	PAC-USSEEN001-FM-1
	Remote Temperature Sensor	PAC-SE41TS-E
Wired Remote Controller	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple MA Remote Controller†	PAC-YT53CRAU-J
Wireless Remote Controller	Touch MA Controller†	PAR-CT01MAU-SB
	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Wireless Remote Controller	PAR-SL100A-E
Casement	Wireless Signal Receiver Panel	PAR-SR4LU-E
	Multi-function Casement	PAC-SJ41TM-E
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	X85-003
	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Filter	High Efficiency Filter Element	PAC-SH59KF-E
i-see Sensor® Panel	Grille with 3D i-see Sensor® (required)	PLP-41EAEU
Lineset	100' x 1/4" x 100' / 1/2" Lineset (Twin-Tube Insulation)	MLS141212T-100
	15' x 1/4" x 15' / 1/2" Lineset (Twin-Tube Insulation)	MLS141212T-15
	30' x 1/4" x 30' / 1/2" Lineset (Twin-Tube Insulation)	MLS141212T-30
	50' x 1/4" x 50' / 1/2" Lineset (Twin-Tube Insulation)	MLS141212T-50
	65' x 1/4" x 65' / 1/2" Lineset (Twin-Tube Insulation)	MLS141212T-65
Shutter Plate	Shutter Plate	PAC-SJ37SP-E
Space Panel	Architectural Surround for Ceiling Recessed Units	PLFY-ITP1
	Space Panel	PAC-SJ38AS-E

**NOTES:**

†Requires MAC-334IF-E

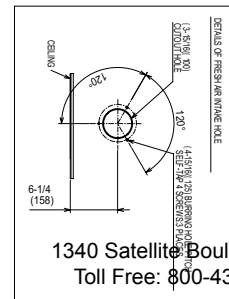
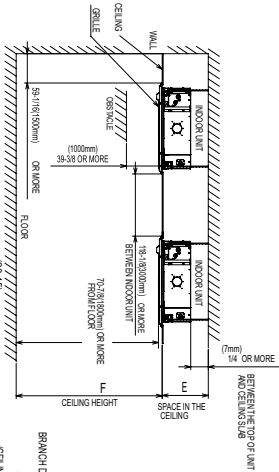
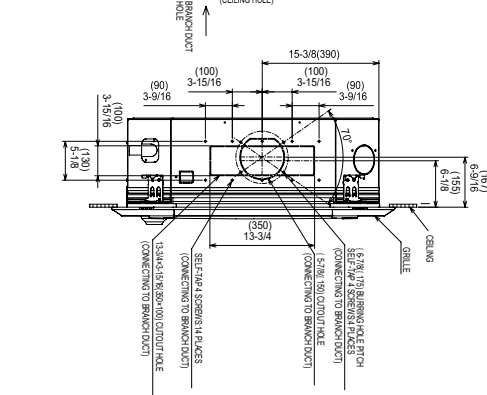
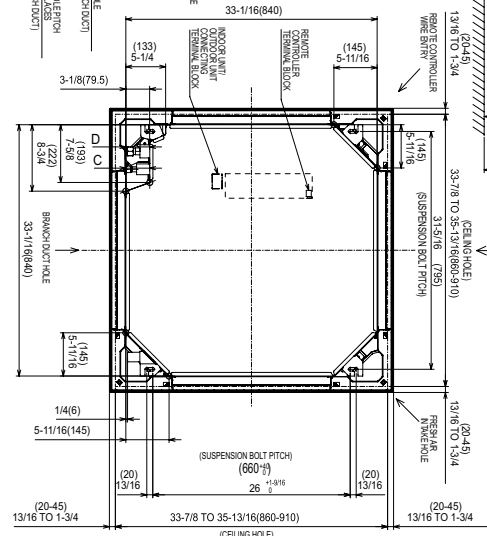
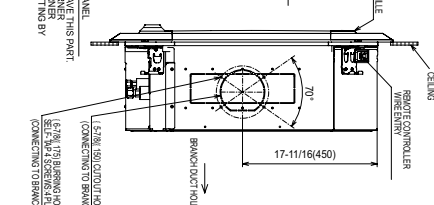
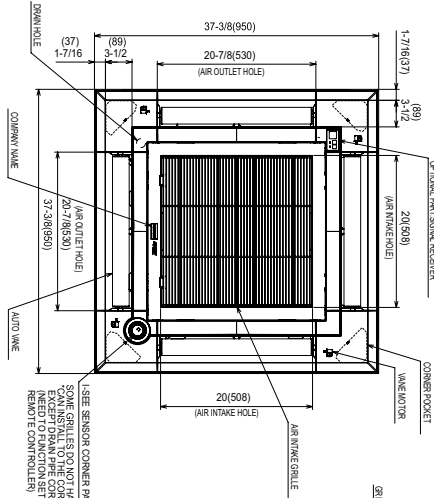
•Allows indoor units to connect to an MA Controller:

- Deluxe MA Remote Controller
- Simple MA Controller
- Touch MA Controller

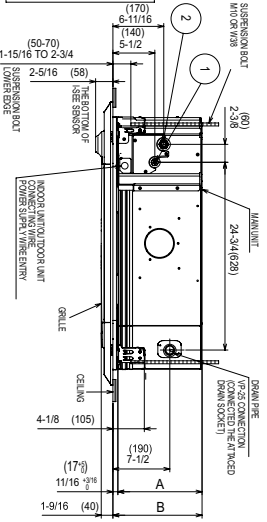
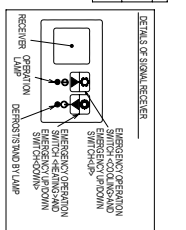
# INDOOR UNIT DIMENSIONS: PLA-A18EA7

Unit: inch (mm)

1. CHOOSE THE GRILLE AMONG THE DESIGNATED GRILLES.
2. REINFORCE THE SUSPENSION BOLT FOR EARTHQUAKE-RESISTANCE AS NEEDED.
3. PROCEED AT THE LOCAL SITE.
4. FOR DRAIN PIPE, USE VP-2910D, H-141(T), 20" PVC TUBE.
5. DRAIN IS MADE BY CONNECTION FROM THE CEILING.
6. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
7. REQUIRE "E" OR MORE SPACE BETWEEN TRANSOM AND CEILING FOR THE INSTALLATION.
8. WHEN INSTALLING THE BRANCH DUCTS, BE SURE TO INSULATE ADEQUATELY.
9. AS FOR NECESSARY INSTALLATION SERVICE SPACE, PLEASE REFER TO THE MULTI-FUNCTIONAL CASEMENT REFER TO SPECIAL DRAWING.



MODELS	①	②	A	B	C	D	E	F
REGULATORY PREPARAS	REGULATORY PREPARAS	REGULATORY PREPARAS	4-1/2 (113)	10-3/8 (269)	10-1/2 (267)	10-1/2 (267)	10-1/2 (267)	10-1/2 (267)
TRANSOM CONNECTION LINE	TRANSOM CONNECTION LINE	TRANSOM CONNECTION LINE	5-1/2 (139)	11-1/8 (291)	11-1/8 (291)	11-1/8 (291)	11-1/8 (291)	11-1/8 (291)
FRESH AIR INLET HOLES	FRESH AIR INLET HOLES	FRESH AIR INLET HOLES	3-7/8 (98)	7-1/2 (188)	7-1/2 (188)	7-1/2 (188)	7-1/2 (188)	7-1/2 (188)
BRANCH DUCT HOLE	BRANCH DUCT HOLE	BRANCH DUCT HOLE	3-7/8 (98)	7-1/2 (188)	7-1/2 (188)	7-1/2 (188)	7-1/2 (188)	7-1/2 (188)



1340 Satellite Boulevard Suwanee, GA 30024  
Toll Free: 800-433-4822 www.mehvac.com



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