

PLA-A12EA7

12,000 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-A12EA7
Cooling Capacity ^{1,3}	BTU/H		12,000
Heating Capacity ^{2,3}	BTU/H		14,000
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	0.26
	Fan Motor Output	W	50
	Airflow Rate at Cooling, Dry	CFM	420-460-490-530
	Airflow Rate at Cooling, Wet	CFM	380-420-450-490
	Airflow Rate at Heating, Dry	CFM	420-460-490-530
	Sound Pressure Level [Cooling]	dB[A]	27-28-29-30
	Sound Pressure Level [Heating]	dB[A]	27-28-29-30
	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

¹Cooling (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 47 DB, 43 WB

³Capacity 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-A12EA7

Control Interface	3-Pin Connector	PAC-715AD
	BACnet® and Modbus Interface	PAC-UKPRC001-CN-1
	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
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Flush Mount Temperature Sensor	PAC-USSEN001-FM-1
	Remote Temperature Sensor	PAC-SE41TS-E
	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Wireless Remote Controller	PAR-SL100A-E
	Wireless Signal Receiver Panel	PAR-SR4LU-E
Casement	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-3341F-E

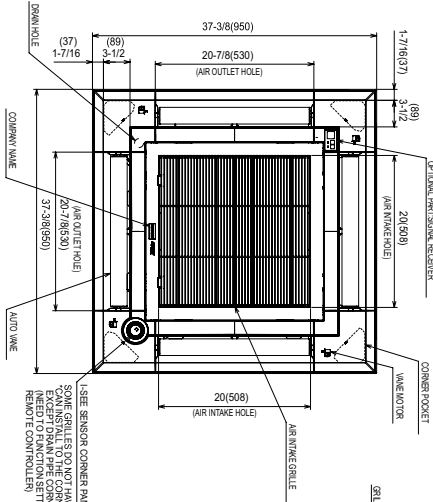
•Allows indoor units to connect to an MA Controller:

Deluxe MA Remote Controller
Simple MA Controller
Touch MA Controller

INDOOR UNIT DIMENSIONS: PLA-A12EA7

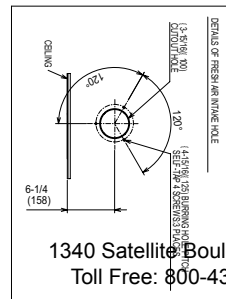
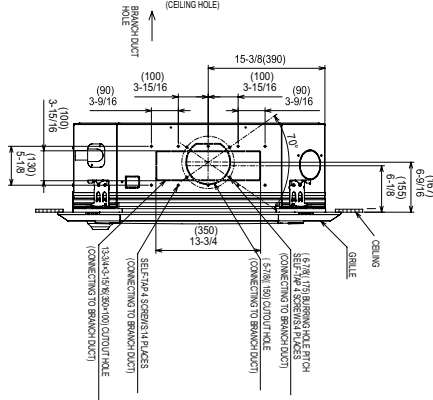
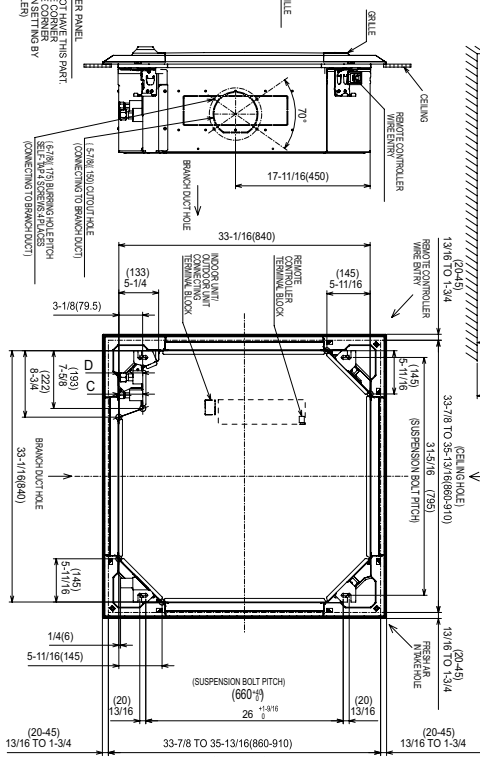
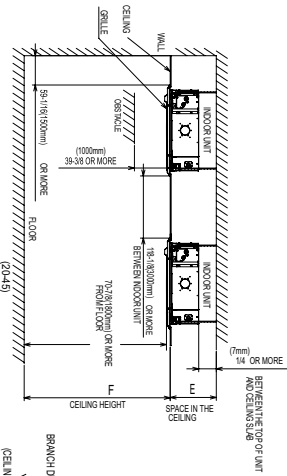
Unit: inch (mm)

MODELS	①	②	A	B	C	D	E	F
12/18/24/30/36/42 KBTUH								
17/18 KBTUH	REFRIGERANT PIPES 3/8"	REFRIGERANT PIPE 1/2"	9-12	10-31	3/8"	3/8 x 5/8	10-17/16(255)	137-13/16(3500)
24/30/36/42 KBTUH	FLARED CONNECTION 1/2"	FLARED CONNECTION 1/2"	(241)	(284)			ON/LESS	ON/LESS
	REFRIGERANT PIPES 3/8"	REFRIGERANT PIPE 1/2"	11-11/16	13-1/4	3/8"	3/8 x 5/8	12-1/8	177-13/16(4001)
	FLARED CONNECTION 3/8"	FLARED CONNECTION 1/2"	(231)	(258)	(793)		ON/LESS	ON/LESS



NOT TO EXCEED THE SHIELDING DISTANCE OF 10 CM (4 INCHES) FROM THE SURFACE OF THE SHIELDING MATERIAL. FOR THE SHIELDING DISTANCE, AS NEEDED, FOR THE SUSPENSION DUCT, USE 100 CM OR 39.37 INCH.

4. (PROHIBITED AT THE LOCAL SITE)
DO NOT PLUMP THE USE OF 260.0 (IN 1411) 32 PCP (100%);
BLAST IS MAX 33.76 (168 mm) FROM THE CEILING.
BLAST IS MAX 33.76 (168 mm) FROM THE FLOOR FOR PURPOSE
OF THE SHIELDING DISTANCE. THE SHIELDING DISTANCE FOR
CONTROL POWER WIRING CONNECTION
WITH THE SHIELDING DISTANCE IS NOT BE ADJUSTED
BUT THE SHIELDING DISTANCE IS NOT BE ADJUSTED
7. REFINES THE 5% OR MORE SPACE BETWEEN TRANSDUCER AND CEILING FOR THE INSTALLATION
8. WHEN INSTALLING THE BRANCH BUSTERS BE SURE TO INSULATE ADEQUATELY.
9. IT BECOMES THE CAUSE OF DISAPPOINT OR POORLY DRAINING
IT FOR BECAUSE INSTALLATION/REPAIRING SPACE, PLEASE REFER TO THE
10. AFTER THE INSTALLATION OF THE OPTIMUM, HIGH EFFICIENCY FILTER OR
MULTI-FUNCTIONAL CASSETT REFER TO SPECIAL DRAWING.



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