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-A36EA7
Cooling Capacity[1, 3]		BTU/H	36,000
Heating Capacity[2, 3]		BTU/H	38,000
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	2.0
	Fan Motor Full Load Amperage	A	0.95
	Fan Motor Output	W	120
	Airflow Rate at Cooling, Dry	CFM	670–850–1020–1200
	Airflow Rate at Cooling, Wet	CFM	630–810–980–1160
	Airflow Rate at Heating, Dry	CFM	670–850–1020–1200
	Sound Pressure Level [Cooling]	dB[A]	32–37–41–44
	Sound Pressure Level [Heating]	dB[A]	32–37–41–44
	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 11-3/4 // 1-9/16 [840 // 950 x 840 // 950 x 298 // 40]
	Package Dimensions	W x D x H: In. [mm]	35-9/16 // 39-6/16 x 34-5/16 // 38-3/16 x 16-9/16 // 4-12/16 [903 // 1000 x 871 // 970 x 421 // 121]
	Unit Weight	Lbs. [kg]	56 // 11 [25 // 5]
	Package Weight	Lbs. [kg]	77 [35]
Refrigerant	Type		R410A
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	3/8 [9.52]

NOTES:
Conditions

[1]Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
[2]Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB

[3]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-A36EA7

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 humitity 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 Contoller	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 (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	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	10' x 3/8" x 10' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-10
	100' x 3/8" x 100' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-100
	15' x 3/8" x 15' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-15
	30' x 3/8" x 30' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-30
	50' x 3/8" x 50' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-50
	65' x 3/8" x 65' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-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

Unit: inch (mm)

MODELS	①	②	A	B	C	D	E	F
12/18/24/30/36/42 KBTU/H	REFRIGERANT PIPE Ø6.35 FLARED CONNECTION 1/4"	REFRIGERANT PIPE Ø12.7 FLARED CONNECTION 1/2"	9-1/2 (241)	10-3/16 (258)	11-1/16 (281)	3/8(78) 3/16(7.5)	10-7/16(265) OR MORE	15-7-13/16(16-500) OR LESS
12/18 KBTU/H	REFRIGERANT PIPE Ø9.52 FLARED CONNECTION 3/8"	REFRIGERANT PIPE 15.88 FLARED CONNECTION 5/8"			11-3/4 (298)	3-1/8 (79.5)		
24/30/36/42 KBTU/H							12.205 OR MORE	17-3/16(400) OR LESS

37-3/8(950)
20-7/8(530) (AIR OUTLET HOLE)
(37) 1-7/16
(89) 3-1/2
1-7/16(37)
(89) 3-1/2
DRAIN HOLE
COMPANY NAME
OPTIONAL PARTS SIGNAL RECEIVER
20(508) (AIR INTAKE HOLE)
(AIR OUTLET HOLE) 20-7/8(530)
37-3/8(950)
AUTO VANE
VANE MOTOR
CORNER POCKET
20(508) (AIR INTAKE HOLE)
AIR INTAKE GRILLE

DETAILS OF SIGNAL RECEIVER
RECEIVER
OPERATION LAMP
DEFROST/STAND BY LAMP
EMERGENCY OPERATION SWITCH(COOL) AND EMERGENCY (UP/DOWN) SWITCH(HEAT)
EMERGENCY OPERATION SWITCH(COOL) AND EMERGENCY (UP/DOWN) SWITCH(HEAT)

GRILLE
CEILING
REMOTE CONTROLLER WIRE ENTRY
BRANCH DUCT HOLE
70°
17-11/16(450)
(6-7/8) 175) BURNING HOLE PITCH SELF-TAP 4 SCREWS/4 PLACES (CONNECTING TO BRANCH DUCT)

(170) 6-11/16
(140) 5-1/2
(50-70) 1-15/16 TO 2-3/4
(58) 2-5/16
SUSPENSION BOLT M10 OR W3/8
THE BOTTOM OF I-SEE SENSOR
(60) 2-3/8
MAIN UNIT
24-3/4(628)
SUSPENSION BOLT LOWER EDGE
INDOOR UNIT/OUTDOOR UNIT CONNECTING WIRE, POWER SUPPLY WIRE ENTRY
GRILLE
CEILING
VP-25 CONNECTION (CONNECTED THE ATTACHED DRAIN SOCKET)
DRAIN PIPE
4-1/8 (105)
(190) 7-1/2
(17+3/16) 11/16 +3/16
1-9/16 (40)
A
B

33-1/16(840)
(133) 5-1/4
(145) 5-11/16
3-1/8(79.5)
INDOOR UNIT/OUTDOOR UNIT CONNECTING TERMINAL BLOCK
REMOTE CONTROLLER TERMINAL BLOCK
REMOTE CONTROLLER WIRE ENTRY
D (193) 7-5/8
C (222) 8-3/4
(145) 5-11/16
33-7/8 TO 35-13/16(860-910) (SUSPENSION BOLT PITCH)
3-1/16 (79.5) (CEILING HOLE)
13/16 TO 1-3/4
BRANCH DUCT HOLE 33-1/16(840)
BRANCH DUCT HOLE
1/4(6)
5-11/16(145)
(145) 5-11/16
13/16 TO 1-3/4
FRESH AIR INTAKE HOLE
(20) 13/16
26 +1-9/16
(20) 13/16
(SUSPENSION BOLT PITCH) (660+40)
(20-45) 13/16 TO 1-3/4
33-7/8 TO 35-13/16(860-910)
(20-45) 13/16 TO 1-3/4
(CEILING HOLE)
BRANCH DUCT HOLE

CEILING
GRILLE
WALL
INDOOR UNIT
59-1/16(1500) OR MORE
(1000mm) 39-3/8 OR MORE
18-1/8(30mm) OR MORE
70-7/8(1800mm) OR MORE FROM FLOOR
BETWEEN INDOOR UNIT
FLOOR
(7mm) 1/4 OR MORE
BETWEEN THE TOP OF UNIT AND CEILING SLAB
CEILING HEIGHT F
SPACE IN THE CEILING E

15-3/8(390)
(100) 3-15/16
(100) 3-15/16
(90) 3-9/16
(90) 3-9/16
(100) 3-15/16
(130) 5-1/8
(155) 6-1/8
(167) 6-9/16
(350) 13-3/4
SELF-TAP 4 SCREWS 14 PLACES
13-3/4+3-15/16(850+100) OUT/CUT HOLE (CONNECTING TO BRANCH DUCT)
(6-7/8) 175) BURNING HOLE PITCH SELF-TAP 4 SCREWS/4 PLACES (CONNECTING TO BRANCH DUCT)
GRILLE
CEILING

DETAILS OF FRESH AIR INTAKE HOLE
CEILING
(3-15/16) 100) OUT/CUT HOLE
120°
120°
(4-15/16) 125) BURNING HOLE SELF-TAP 4 SCREWS/4 PLACES
6-1/4 (158)

NOTE 1. CHOOSE THE GRILLE AMONG THE DEDICATED GRILLES.
2. REINFORCE THE SUSPENSION BOLT FOR EARTHQUAKE-RESISTANCE AS NEEDED.
3. FOR THE SUSPENSION BOLT, USE M10 OR W3/8. (PROCURED AT THE LOCAL SITE).
4. FOR DRAIN PIPE, USE VP-25(O.D. ø32 PVC TUBE). DRAIN PUMP INCLUSION.
5. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE. RAISE IS MAX 33-7/16"(850mm) FROM THE CEILING.
6. THE HEIGHT OF THE INDOOR UNIT IS ABLE TO BE ADJUSTED WITH THE GRILLE ATTACHED.
7. REQUIRES 12" OR MORE SPACE BETWEEN TRANSOM AND CEILING.
8. WHEN INSTALLING THE BRANCH DUCTS, BE SURE TO INSULATE ADEQUATELY. OTHERWISE, CONDENSATION AND DRIPPING MAY OCCUR.
9. AS FOR NECESSARY INSTALLATION/SERVICE SPACE, PLEASE REFER TO THE RIGHT AT FIGURE.
10. FOR THE INSTALLATION OF THE OPTIONAL HIGH EFFICIENCY FILTER OR MULTI-FUNCTIONAL CASEMENT REFER TO SPECIAL DRAWING.

SOME GRILLES DO NOT HAVE THIS PART.
I-SEE SENSOR CORNER PANEL. "CAN INSTALL TO THE CORNER EXCEPT DRAIN PIPE CORNER (NEED TO FUNCTION SETTING BY REMOTE CONTROLLER)"

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Specifications are subject to change without notice.