PLA-A12EA7 & PUZ-A12NKA7(-BS) 12,000 BTU/H 3' X 3' CEILING CASSETTE 12,000 BTU/H HEAT PUMP UNIVERSAL OUTDOOR



Job Name:

System Reference:

Date:



Indoor UnitPLA	-A12EA7
Outdoor Unit Standard Model PUZ-A Seacoast Model PUZ-A12I	A12NKA7 NKA7-BS

INDOOR UNIT 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:
 - $\circ~$ kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- · Power receiver pre-charged with refrigerant volume for piping length up to 70 ft
- Low ambient cooling down to 0°F providing 100% capacity
- 24-hour continuous operation (cooling mode)
- High pressure protection
- Fast restart
- · Superior energy and operational efficiency

SPECIFICATIONS: PLA-A12EA7 & PUZ-A12NKA7(-BS)

	Maximum Capacity	BTU/H	12,000	
	Rated Capacity	BTU/H	12,000	
Cooling at 95°F1	Minimum Capacity	BTU/H	5,800	
	Maximum Power Input	W	730	
		W		
	Rated Power Input		730	
	Moisture Removal	Pints/h	1.2	
	Sensible Heat Factor	A (0.89	
	Power Factor	%	93.4/93.4	
Heating at 47°F ²	Maximum Capacity	BTU/H	20,000	
	Rated Capacity BTU/H		14,000 5,500	
	Minimum Capacity	•••		
	Maximum Power Input	W	1,500	
	Rated Power Input	W	830	
	Power Factor	or %		
	Maximum Capacity	BTU/H	12,200	
Heating at 17°E3	Rated Capacity	BTU/H	10,100	
Heating at 17°F ³	Maximum Power Input	W	1,200	
	Rated Power Input	W	1,170	
	SEER		27.0	
	EER ¹		16.4	
	HSPF [IV]		12.8	
Efficiency	COP at 47°F ²		4.94	
	COP at 17°F at Maximum Capacity ³		2.98	
	ENERGY STAR® Certified		Yes	
	Voltage, Phase, Frequency		208/230, 1, 60	
	Guaranteed Voltage Range	V AC	198 - 253	
		V AC	208/230	
	Voltage: Indoor - Outdoor, S1-S2	V AC	206/230	
Electrical	Voltage: Indoor - Outdoor, S2-S3			
	Short-circuit Current Rating [SCCR]	kA	5	
	Recommended Fuse/Breaker Size (Oudoor)	A	15	
	Recommended Wire Size [Indoor - Outdoor] AWG		14	
	Power Supply	1	Indoor unit is powered by the outdoor unit	
	MCA A		1.0	
	Fan Motor Full Load Amperage A		0.26	
	Fan Motor Output	W	50	
	Fan Motor Type		DC Motor	
	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	
Indoor Unit	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	33-1/16 // 37		
	Package Dimensions W x D x H		950 x 840 // 950 x 258 // 40] 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]	
Indoor Unit Operating Temperature	Cooling Intake Air Temp [Maximum / Minimum]*	°F	90 DB, 72 WB / 66 DB, 61 WB	
Range	Heating Intake Air Temp [Maximum / Minimum]	°F	77 DB / 59 DB	
NOTES: AHRI Rated Conditions (Rated data is determined at a fixed com	¹ Cooling (Indoor // Outdoor) °F 80 E pressor speed) ² Heating at 47°F (Indoor // Outdoor) °F 70 E ³ Heating at 17°F (Indoor // Outdoor) °F 70 E	B, 67 WB // 95 DB, 75 B, 60 WB // 47 DB, 43 B, 60 WB // 17 DB, 15	WB WB	
Conditions	⁵ Heating at -4°F (Indoor // Outdoor) °F 70 D ⁶ Heating at -5°F (Indoor // Outdoor) °F 70 D	B, 60 WB // 5 DB, 4 W B, 60 WB // -4 DB, -5 V B, 60 WB // -5 DB, -6 V B, 60 WB // -13 DB, -1-	VB VB	

*Outdoor Unit Operating Temperature Range (Cooling Air Temp (Maximum / Minimum)):
Wind baffles required to operate below 23°F DB in cooling mode.
Heat pump system with wind baffle: 0°F - 115°F.
Refer to wind baffle documentation for further information.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures): • System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures. SEACOAST PROTECTION (-BS MODELS)

EACOAST PROTECTION (-BS MODELS)
 External Outer Panel: Phosphate coating + Acrylic-Enamel coating
 Fan Motor Support: Epoxy resin coating (at edge face)
 Separator Assembly Valve Bed: Epoxy resin coating (at edge face)
 Blue Fin treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants.

SPECIFICATIONS: PLA-A12EA7 & PUZ-A12NKA7(-BS)

	MCA	A	11.0	
	MOCP	A	28	
	Fan Motor Full Load Amperage	A	0.5	
	Fan Motor Output	W	46	
	Airflow Rate	CFM	1590/1590	
	Refrigerant Control		LEV	
	Defrost Method		Reverse Cycle	
	Coating on Heat Exchanger		Blue Fin Coating (BS Model only)	
	Sound Pressure Level, Cooling ¹	dB(A)	44	
	Sound Pressure Level, Heating ²	dB(A)	46	
Dutdoor Unit	Compressor Type	Compressor Type		
	Compressor Model		SNB092FQCMC	
	Compressor Rated Load Amps	A	7	
	Compressor Locked Rotor Amps	A	12.0	
	Compressor Oil Type // Charge	OZ.	FV50S // 12	
	External Finish Color		Ivory Munsell 3Y 7.8/1.1	
	Base Pan Heater		N/A	
	Unit Dimensions	W x D x H: In. [mm]	31-13/16 (2+7/16) x 11-13/16 x 24-13/16 [809 (+62) x 300 x 630	
	Package Dimensions	W x D x H: In. [mm]	37-1/16 x 16-3/16 x 27-7/16 [941 x 411 x 697]	
	Unit Weight	Lbs. [kg]	93 [42]	
	Package Weight	Lbs. [kg]	104 [47]	
	Cooling Air Temp [Maximum / Minimum]*	°F	115 DB / 0 DB	
Outdoor Unit Operating Temperature	Heating Air Temp [Maximum / Minimum]	°F	70 DB, 59 WB / 12 DB, 14 WB	
Range	Heating Thermal Lock-out / Re-start Temperatures**	°F	8 / 12	
	Туре		R410A	
Refrigerant	Charge	Lbs, oz	4, 7.0	
	Chargeless Piping Length	Ft. [m]	70.0 [21.0]	
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	0.2 [19]	
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]	
	Maximum Piping Length	Ft. [m]	100 [30]	
	Maximum Height Difference	Ft. [m]	100 [30]	
	Maximum Number of Bends		15	

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	¹ Cooling (Indoor // Outdoor) ² Heating at 47°F (Indoor // Outdoor) ³ Heating at 17°F (Indoor // Outdoor)	°F °F °F	80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB
Conditions	⁴ Heating at 5°F (Indoor // Outdoor) ⁵ Heating at -4°F (Indoor // Outdoor) ⁶ Heating at -5°F (Indoor // Outdoor) ⁷ Heating at -13°F (Indoor // Outdoor)	°F °F °F	70 DB, 60 WB // 5 DB, 4 WB 70 DB, 60 WB // -4 DB, -5 WB 70 DB, 60 WB // -5 DB, -6 WB 70 DB, 60 WB // -13 DB, -14 WB

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INDOOR UNIT ACCESSORIES: PLA-A12EA7

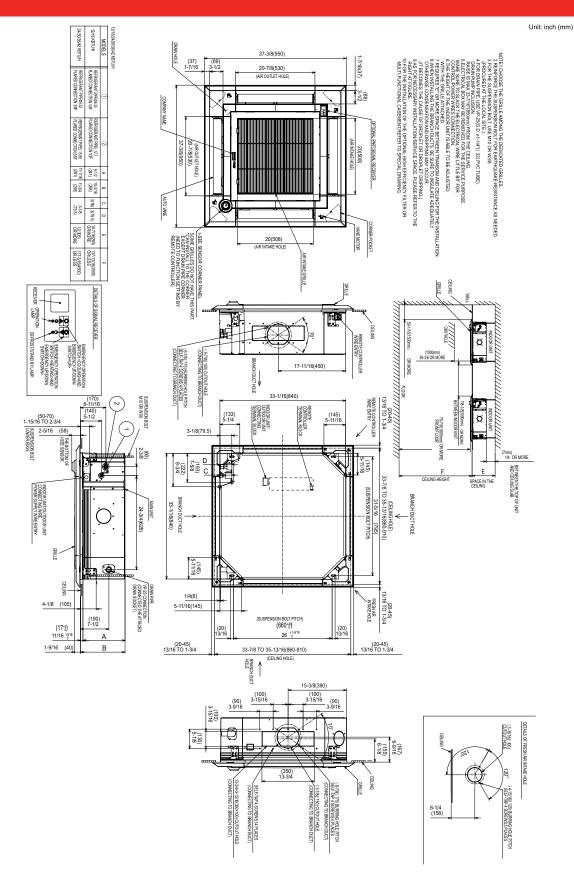
	3-Pin Connector	PAC-715AD
Control Interface	BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Lockdown bracket for remote controller	RCMKP1CB
	Remote Operation Adapter [±]	PAC-SF40RM-E
	Thermostat Interface	PAC-US444CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
	Flush Mount Temperature Sensor	PAC-USSEN001-FM-1
Remote Sensor	Remote Temperature Sensor	PAC-SE41TS-E
	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller [†]	PAR-40MAAU
Vired Remote Controller	Simple MA Remote Controller [†]	PAC-YT53CRAU-J
	Touch MA Controller [†]	PAR-CT01MAU-SB
	kumo touch [™] RedLINK [™] Wireless Controller	MHK2
Vireless Remote Controller	Wireless Remote Contoller	PAR-SL100A-E
	Wireless Signal Receiver Panel	PAR-SR4LU-E
Casement	Multi-function Casement	PAC-SJ41TM-E
	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
Condensate	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
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
ilter	High Efficiency Filter Element	PAC-SH59KF-E
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
ingge Bangl	Architectural Surround for Ceiling Recessed Units	PLFY-ITP1
Space Panel	Space Panel	PAC-SJ38AS-E

NOTES: *PAC-SF40RM-E (Unable to use with wireless remote controller)

OUTDOOR UNIT ACCESSORIES: PUZ-A12NKA7(-BS)

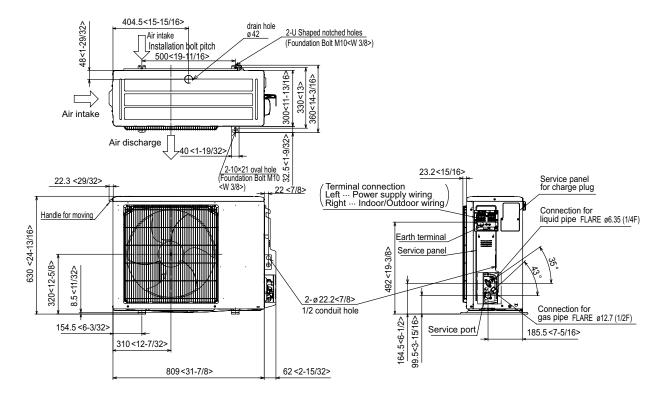
ir Outlet Guide	Air Outlet Guide	PAC-SJ07SG-E
Centralized Drain Pan	Centralized Drain Pan	PAC-SG63DP-E
	Drain Pan	PAC-SG64DP-E
Control/Service Tool	Control/Service Tool	PAC-SK52ST
	M- & P-Series Maintenance Tool Cable Set	M21EC0397
	USB/UART Conversion Cable (Required for all laptop connection)	M21EC1397
Drain Socket	Drain Socket	MAC-871DS
lail Guards	Hail Guard	HG-A5
I-NET Converter	M-NET Converter	PAC-SJ96MA-E
	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S144-250
Mini-Split Wire	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S144-50
	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S164-250
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S164-50
Nounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
Stand	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket -Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M
	Front Wind Baffle	WB-PA4
Vind Baffle	Rear Wind Baffle	WB-RE4
	Side Advanced Wind Baffle	WB-SD4

INDOOR UNIT DIMENSIONS: PLA-A12EA7

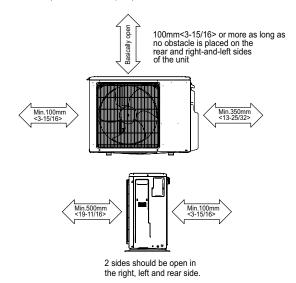


OUTDOOR UNIT DIMENSIONS: PUZ-A12NKA7(-BS)

Unit: mm<in>



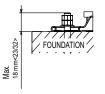
Free space around the outdoor unit (basic example)



FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10<W3/8>) bolts. (Bolts, washers and nut must be purchased locally).

<Foundation bolt height>



PIPING-WIRING DIRECTION

Piping and wiring connection can be made from the rear direction only.

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



FORM# PLA-A12EA7 & PUZ-A12NKA7(-BS) - 202108