

Job Name:

System Reference:

Date:

Indoor Unit:
PLA-A42EA7



Outdoor Unit:
PUZ-HA42NKA



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

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- High heating capacity: flash injection circuit maintains 100% heating capacity at 5°F outdoor temperature
- Wide heating range: heating performance down to -13°F (average of 80% heating capacity)
- High speed heating at start up: Hyper-Heating INVERTER® reduces the time for heating at start up by about half compared to standard models
- Suction accumulator pre-charged with refrigerant volume for piping length up to 100 ft.
- Twinning of two indoor units possible with the 36 kBTU/H model
- High pressure/temperature protection

SPECIFICATIONS: PLA-A42EA7 & PUZ-HA42NKA

Cooling ¹	Maximum Capacity	BTU/H	42,000
	Rated Capacity	BTU/H	42,000
	Minimum Capacity	BTU/H	19,000
	Maximum Power Input	W	4,340
	Rated Power Input	W	4,160
	Moisture Removal	Pints/h	10.9
	Sensible Heat Factor		0.71
	Power Factor	%	94.7
Heating at 47°F ²	Maximum Capacity	BTU/H	54,000
	Rated Capacity	BTU/H	48,000
	Minimum Capacity	BTU/H	21,000
	Maximum Power Input	W	6,150
	Rated Power Input	W	4,560
	Power Factor	%	96.5
Heating at 17°F ³	Maximum Capacity	BTU/H	48,000
	Rated Capacity	BTU/H	44,000
	Maximum Power Input	W	7,100
	Rated Power Input	W	6,050
Heating at 5°F ⁴	Maximum Capacity	BTU/H BTU/H	48,000
	Maximum Power Input	W	7,770
Efficiency	SEER		14.8
	EER ¹		10.1
	HSPF (IV)		10.1
	COP at 47°F ²		3.02
	COP at 17°F in Maximum Capacity		1.98
	COP at 5°F in Maximum Capacity		1.81
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz
	Guaranteed Voltage Range	V AC	198 – 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208V / 230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Voltage: Indoor - Remote controller	V DC	12
	Recommended Fuse/Breaker Size (Outdoor)	A	40
	Recommended Wire Size (Indoor - Outdoor)	AWG	14
Indoor Unit	MCA	A	2.00
	Fan Motor Full Load Amperage	A	0.95
	Fan Motor Output	W	120
	Airflow Rate, Dry	CFM	740-920-1060-1200
	Airflow Rate, Wet	CFM	700-880-1020-1160
	External Static Pressure	in.WG	n/a
	Sound Pressure Level	dB(A)	34-38-42-45
	Drain Pipe Size	In. (mm)	1-1/4 (32)
	Condensate Lift Mechanism, Maximum Distance	Ft. (m)	33-7/16
	Heat Exchanger Type		Plate fin coil
	External Finish Color		White Munsell 6.4Y 8.9/0.4
	Unit Dimensions // Grille Dimensions	W: In. (mm)	33-1/16 (840) // 37-13/32 (950)
		D: In. (mm)	33-1/16 (840) // 37-13/32 (950)
		H: In. (mm)	11-3/4 (298) // 1-9/16 (40)
	Package Dimensions // Grille Dimensions	W: In. (mm)	35-9/16 // 39-6/16
		D: In. (mm)	34-5/16 // 38-3/16
		H: In. (mm)	16-9/16 // 4-12/16

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	Unit Weight	Lbs. (kg)	56 (25) // 11 (5)
	Package Weight	Lbs. (kg)	77 (35)
Indoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	° F	90 DB, 73 WB / 66 DB, 59 WB
	Heating Intake Air Temp (Maximum / Minimum)	° F	82 DB / 50 DB
Outdoor Unit	MCA	A	37
	MOCP	A	44
	Fan Motor Full Load Amperage	A	0.4+0.4
	Fan Motor Output	W	86+86
	Airflow Rate	CFM	3,320
	Refrigerant Control		Electronic Expansion Valve
	Defrost Method		Reverse Cycle
	Heat Exchanger Type		Cross fin
	Sound Pressure Level, Cooling ¹	dB(A)	49
	Sound Pressure Level, Heating ²	dB(A)	51
	Compressor Type		INVERTER-Driven Twin Rotary
	Compressor Model		ANB42FJMT
	Compressor Rated Load Amps	A	19
	Compressor Locked Rotor Amps	A	28
	Compressor Oil Type // Charge	oz.	FVC68D // 54
	External Finish Color		Ivory Munsell 3Y 7.8/1.1
	Base Pan Heater		Option (PAC-SJ20BH-E)
	Unit Dimensions	W: In. (mm)	41-3/8 (1,050)
		D: In. (mm)	13 + 1-3/16 (330 + 30)
		H: In. (mm)	52-11/16 (1,338)
	Package Dimensions	W: In. (mm)	42-15/16 (1,090)
		D: In. (mm)	17-11/16 (450]
		H: In. (mm)	56-1/4 (1,428)
	Unit Weight	Lbs. (kg)	287 (130)
	Package Weight	Lbs. (kg)	313 (142)
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	115 DB / 0* DB
	Heating Intake Air Temp (Maximum / Minimum)	°F	70 DB, 59 WB / -13 DB, -13 WB
	Thermal Lock-out / Re-start Temperatures**	°F	n/a
Refrigerant	Type		R410A
	Charge	Lbs, oz	13, 4
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)
	Maximum Piping Length	Ft. (m)	245 (75)
	Maximum Height Difference	Ft. (m)	100 (30)
	Maximum Number of Bends		15

Notes

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	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 Heating at 17°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 17 DB, 15 WB
Conditions	⁴ Heating at 5°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -4 DB, -5 WB

*Wind baffles required to operate below 23°F DB in cooling mode. PUZ with wind baffle: 0°F - 115°F.

**System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

ACCESSORIES: PLA-A42EA7

Grille (required)	■ PLP-41EAEU
High-efficiency Filter Element	□ PAC-SH59KF-E
Wireless Signal Receiver	□ PAR-FA32MA-W
Wireless Remote Controller	□ PAR-FL32MA-E
Wireless Remote Receiver Panel	□ PAR-SA9FA-E
Wireless Remote Controller	□ PAR-SL100A-E
Signal Receiver	□ PAR-SR4LU-E
kumo touch™ RedLINK™ Wireless Controller	□ MHK2
Deluxe MA Remote Controller	□ PAR-40MAAU
Simple MA Controller	□ PAC-YT53CRAU-J
Touch MA Controller	□ PAR-CT01MAU-SB
Wired Remote Sensor	□ PAC-SE41TS-E
Lockdown Bracket for Wireless, Hand-held, Remote Controller	□ RCMKP1CB
Wireless Temperature and Humidity Sensor	□ PAC-USWHS003-TH-1
Flush Mount Remote Temperature Sensor	□ PAC-USSEN001-FM-1
Wireless Interface 2	□ PAC-USWHS002-WF-2
Thermostat Interface	□ PAC-US444CN-1
kumo station®	□ PAC-WHS01HC-E
USNAP Interface	□ PAC-WHS01UP-E
IT Extender	□ PAC-WHS01IE-E
BACnet® and MODBUS® Interface	□ PAC-UKPRC001-CN-1
External Fan / Heater Control Relay Adapter	□ CN24RELAY-KIT-CM3
Wire for Remote on/off with CN32 connector	□ PAC-715AD
Remote Operation Adapter (with wire terminals for remote ON/OFF and operation status/ error) ¹	□ PAC-SF40RM-E
Multi-Function Casement	□ PAC-SJ41TM-E
Installation/Trim Panels	□ PLFY-ITP1
Space Panel	□ PAC-SJ38AS-E
Air Outlet Shutter Plate	□ PAC-SJ37SP-E
Blue Diamond Sensor Extension Cable—15 Ft.	□ C13-103
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ X87-835 - 110 to 250V
MaxiBlue Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) up to 48,000 BTU/H [recommended]	□ X87-721 - 208/230V
3 Pole Disconnect Switch (30A/600VUL) [fits 2"x4" utility] - Black	□ TAZ-MS303
3 Pole Disconnect Switch (30A/600VUL) [fits 2"x4" utility] - White	□ TAZ-MS303W
3/8" x 5/8" x 10' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-10
3/8" x 5/8" x 15' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-15
3/8" x 5/8" x 30' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-30
3/8" x 5/8" x 50' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-50
3/8" x 5/8" x 65' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-65
3/8" x 5/8" x 100' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-100

¹ Unable to use with wireless remote controller

ACCESSORIES: PUZ-HA42NKA

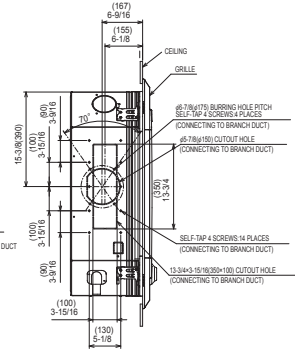
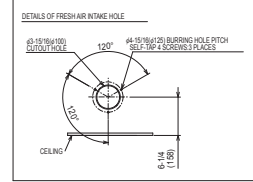
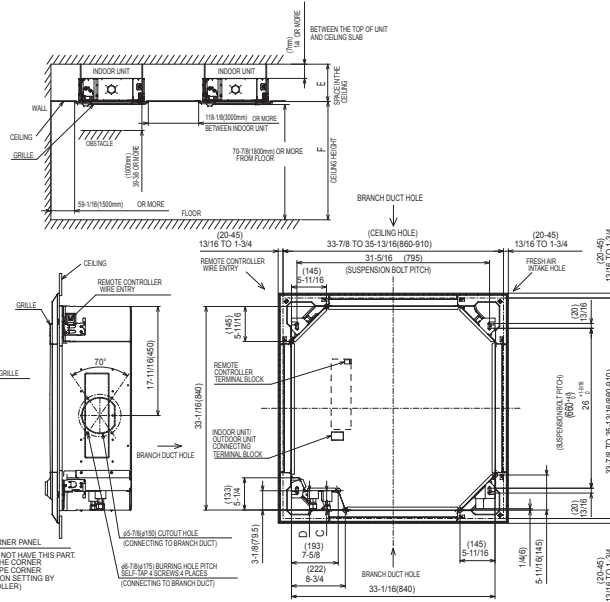
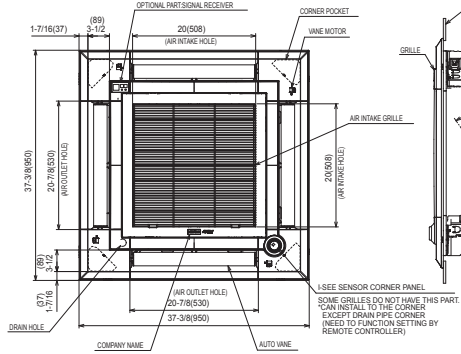
Air Outlet Guide	□ PAC-SH96SG-E (two pieces are required)
Front Wind Baffle	□ WB-PA3 (two pieces are required)
Drain Socket	□ PAC-SG61DS-E
Defrost Heater	□ PAC-SJ20BH-E
Centralized Drain Pan	□ PAC-SH97DP-E
M-NET Converter	□ PAC-SJ85MA-E
M-NET Converter	□ PAC-SJ95MA-E
Control/Service Tool	□ PAC-SK52ST
Hail Guard	□ HG-A2
Condensing Unit Mounting Pad 24" x 42" x 3"	□ ULTRILITE2
Outdoor Unit Stand—12" High	□ QSMS1202M
Outdoor Unit Stand—18" High	□ QSMS1802M
Outdoor Unit Stand—24"High	□ QSMS2402M
Heavy Duty Wall Mounting Bracket for Outdoor Units—Coated Steel	□ QSWB2000M-1
Heavy Duty Wall Mounting Bracket for Outdoor Units—316 Series Stainless Steel	□ QSWBSS
3/8" x 5/8" x 10' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-10
3/8" x 5/8" x 15' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-15
3/8" x 5/8" x 30' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-30
3/8" x 5/8" x 50' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-50
3/8" x 5/8" x 65' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-65
3/8" x 5/8" x 100' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-100

DIMENSIONS: PLA-A42EA7 & PUZ-HA42NKA

PLA-A42EA7

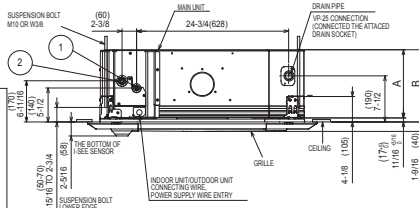
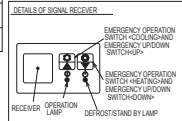
Unit: inch (mm)

- NOTE1 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 W8.
- 4 FOR DRAIN PIPE, USE VP-25(O.D. ϕ 1-1/4"x32) PVC TUBE).
- 5 DRAIN PUMP INCLUSION.
- 6 RAISE IS MAX 33.7" (856mm) FROM THE CEILING.
- 7 ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
- 8 MAKE SURE TO SLACK THE ELECTRICAL WIRE LITTLE BIT FOR CONTROL-POWER WIRE CONNECTION.
- 9 THE HEIGHT OF THE INDOOR UNIT IS ABLE TO BE ADJUSTED WITH THE GRILLE ATTACHED.
- 7 REQUIRES "2" OR MORE SPACE BETWEEN TRANSOM AND CEILING FOR THE INSTALLATION.
- 8 WHEN INSTALLING THE BRANCH DUCTS, BE SURE TO INSULATE ADEQUATELY. OTHERWISE CONDENSATION AND DRIPPING MAY OCCUR.
- 9 IT BECOMES THE CAUSE OF DROPLET OR DROPLET DRIPPING.
- 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.



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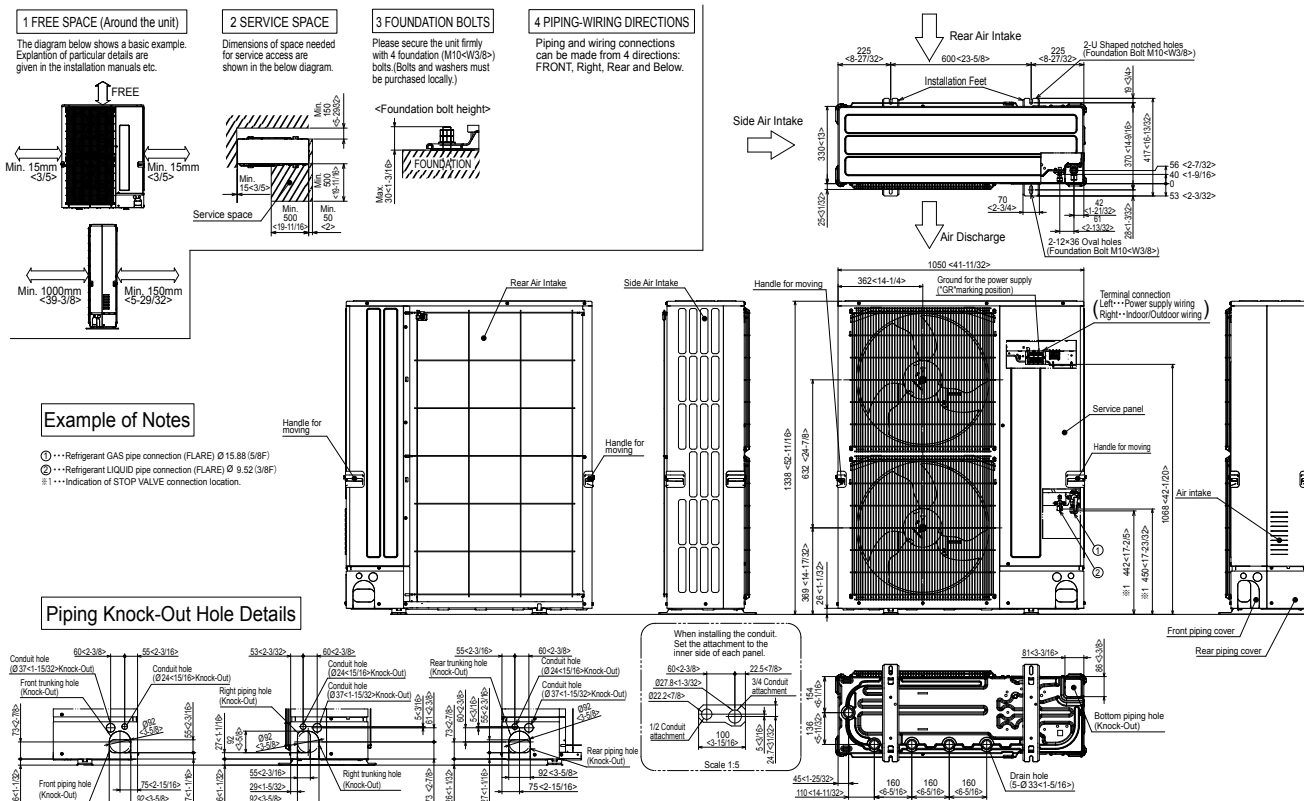
MODELS	(1)	(2)	A	B	C	D	E	F
PLA-A121BEA7	REFRIGERANT PIPING 1/4"	REFRIGERANT PIPING 1/2"	5-1/2 (141)	10-3/16 (268)	307/8 (378.5)	11-1/16 (281)	12-1/16 (305)	12-1/16 (305)
PLA-A24-42EA7	REFRIGERANT PIPING 3/8"	REFRIGERANT PIPING 1/2"	11-1/16 (281)	11-3/4 (298)	3-1/8 (76.5)	32/32 (81.3)	17-3/16 (442.8)	17-3/16 (442.8)



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PUZ-HA42NKA

Unit: mm<inch>



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