

Job Name:

System Reference:

Date:

Indoor Unit:
PCA-A24KA7



Outdoor Unit:
PUZ-HA24NHA



INDOOR UNIT FEATURES

- Airflow settings for high and low ceiling applications
- Knock-out for outside-air intake
- Optional i-see Sensor® for air distribution and energy saving
- Auto fan speed mode
- Filter status indicator
- Easy-to-clean, washable filter
- Suspends from ceiling for quick and easy installation
- Ideal for larger retail stores, classrooms, and restaurants

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- 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
- Power receiver pre-charged with refrigerant volume for piping length up to 70 ft.
- High pressure/temperature protection

SPECIFICATIONS: PCA-A24KA7 & PUZ-HA24NHA

Cooling ¹	Maximum Capacity	BTU/H	24,000
	Rated Capacity	BTU/H	24,000
	Minimum Capacity	BTU/H	10,000
	Maximum Power Input	W	1,840
	Rated Power Input	W	1,920
	Moisture Removal	Pints/h	5.6
	Sensible Heat Factor		0.73
	Power Factor	%	95
Heating at 47°F ²	Maximum Capacity	BTU/H	28,000
	Rated Capacity	BTU/H	26,000
	Minimum Capacity	BTU/H	10,000
	Maximum Power Input	W	2,300
	Rated Power Input	W	2,050
	Power Factor	%	94
Heating at 17°F ³	Maximum Capacity	BTU/H	26,000
	Rated Capacity	BTU/H	17,700
	Maximum Power Input	W	3,750
	Rated Power Input	W	1,970
Heating at 5°F ⁴	Maximum Capacity	BTU/H	26,000
	Maximum Power Input	W	4,000
Efficiency	SEER		18.50
	EER ¹		12.50
	HSPF (IV)		10.80
	COP at 47°F ²		3.50
	COP at 17°F ³		2.03
	ENERGY STAR® Certified (ENERGY STAR products are third-party certified by an EPA-recognized Certification Body)		Yes
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz
	Guaranteed Voltage Range	V AC	198 – 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208 / 230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Voltage: Indoor - Remote controller		Optional
	Recommended Fuse/Breaker Size (Outdoor)	A	25
	Recommended Wire Size (Indoor - Outdoor)	AWG	14
Indoor Unit	MCA	A	1
	Fan Motor Full Load Amperage	A	0.54
	Fan Motor Output	W	95
	Airflow Rate, Dry	CFM	530-565-600-670
	Airflow Rate, Wet	CFM	495-530-565-635
	External Static Pressure	in.WG	n/a
	Sound Pressure Level	dB(A)	33-35-37-40
	Drain Pipe Size	In. (mm)	1-1/32 (26)
	Heat Exchanger Type		Plate fin coil
	External Finish Color		White Munsell 6.4Y 8.9/0.4
	Unit Dimensions	W: In. (mm)	50-3/8 (1,280)
		D: In. (mm)	26-3/4 (680)
		H: In. (mm)	9-1/16 (230)
	Package Dimensions	W: In.	53-2/16
		D: In.	29-15/16
		H: In.	12-10/16
	Unit Weight	Lbs. (kg)	71 (32)

SPECIFICATIONS: PCA-A24KA7 & PUZ-HA24NHA

	Package Weight	Lbs.	82
Indoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	90 DB, 73 WB / 67 DB, 59 WB
	Heating Intake Air Temp (Maximum / Minimum)	°F	83 DB / 50 DB
Outdoor Unit	MCA	A	19
	MOCP	A	26
	Fan Motor Full Load Amperage	A	0.40
	Fan Motor Output	W	86
	Airflow Rate	CFM	1,940
	Refrigerant Control		Linear expansive valve
	Defrost Method		Reverse Cycle
	Heat Exchanger Type		Plate Fin Coil
	Sound Pressure Level, Cooling ¹	dB(A)	52
	Sound Pressure Level, Heating ²	dB(A)	53
	Compressor Type		Scroll
	Compressor Model		DNB28FBAMT
	Compressor Rated Load Amps	A	9
	Compressor Locked Rotor Amps	A	18
	Compressor Oil Type // Charge	Lbs, oz	FVC68D // 7,11
	External Finish Color		Ivory Munsell 3Y 7.8/1.1
	Base Pan Heater		n/a
	Unit Dimensions	W: In. (mm)	37-13/32 (950)
		D: In. (mm)	13 + 1-3/16 // (330 + 30)
		H: In. (mm)	37-1/8 // (943)
	Package Dimensions	W: In.	41-15/16 (1,040)
		D: In.	18 (450)
		H: In.	41-11/16 (1,033)
	Unit Weight	Lbs. (kg)	188 (85)
	Package Weight	Lbs.	206 (93)
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	115 DB / 23° DB
	Heating Intake Air Temp (Maximum / Minimum)	°F	70 DB / -13 DB
	Thermal Lock-out / Re-start Temperatures**	°F	-17 / -13
Refrigerant	Type		R410A
	Charge	Lbs, oz	7 lbs, 11 oz
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)	165 (50)
	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

Notes

*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: PCA-A24KA7

High Efficiency (MERV 8) Filter Element	□ PAC-SE81KF-E
High-efficiency Filter Element	□ PAC-SH89KF-E
Wireless Remote Receiver	□ PAR-FA32MA-W
Wireless Remote Controller	□ PAR-FL32MA-E
Controller Kit (Sender & Receiver)	□ PAR-SL93B-E
Controller Kit with i-see Sensor®	□ PAR-SA92MW-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
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
Remote Operation Adapter (with wire terminals for remote ON/OFF and operation status/ error) ¹	□ PAC-SF40RM-E
i-see Sensor®	□ PAC-SH91MK-E
External Drain Pump	□ PAC-SH84DM-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

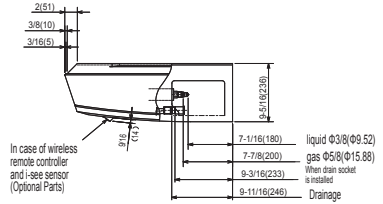
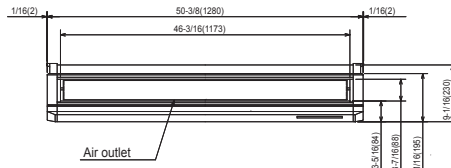
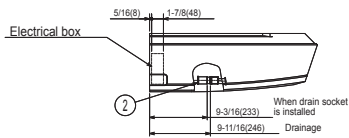
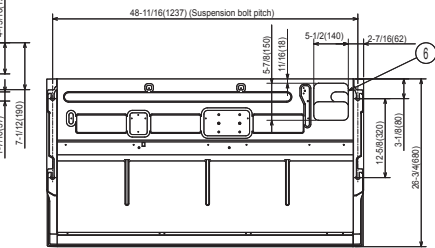
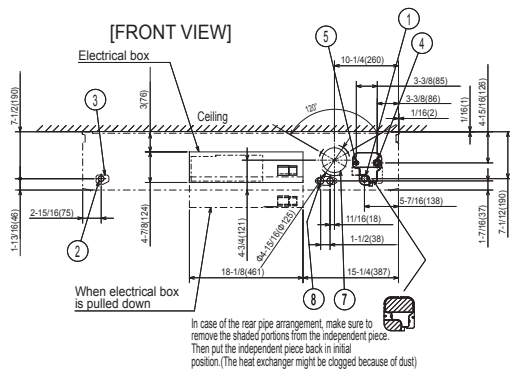
¹ Unable to use with wireless remote controller

ACCESSORIES: PUZ-HA24NHA

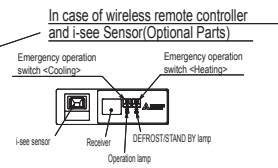
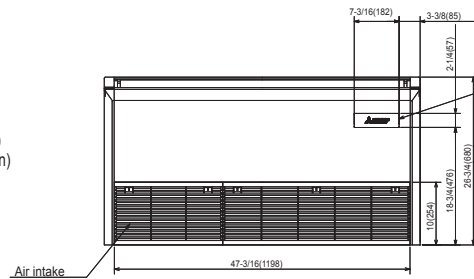
Air Outlet Guide	□ PAC-SG59SG-E
Front Wind Baffle	□ WB-PA5
Side Advanced Wind Baffle	□ WB-SD5
Rear Advanced Wind Baffle	□ WB-RE5
Drain Socket	□ PAC-SG61DS-E
Centralized Drain Pan	□ PAC-SG64DP-E
M-NET Converter	□ PAC-SJ85MA-E
M-NET Converter	□ PAC-SJ95MA-E
Control/Service Tool	□ PAC-SK52ST
Hail Guard	□ HG-A6
Condensing Unit Mounting Pad 24" x 42" x 3"	□ ULTRILITE2
Outdoor Unit Stand—12" High	□ QSMS1201M
Outdoor Unit Stand—18" High	□ QSMS1801M
Outdoor Unit Stand—24" High	□ QSMS2401M
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: PCA-A24KA7

Unit: inch (mm)



- ① Drainage pipe connection(1(26mm)I.D.)
 - ② Drainage pipe connection(for the left arrangement)
 - ③ Knockout hole for left drain-piping arrangement
 - ④ Refrigerant-pipe connection(gas pipe side/flared connection)
 - ⑤ Refrigerant-pipe connection(liquid pipe side/flared connection)
 - ⑥ Knockout hole for upper drain pipe arrangement
 - ⑦ Knockout hole for fresh air intake Φ3-15/16(Φ100)
 - ⑧ Knockout hole for wiring arrangement Φ7/8(Φ22)
- Accessory...Drain socket (1(26mm) I.D.)



NOTES.

- 1.Use M10 or W3/8 screw for anchor bolt.
- 2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.

Unit: mm<inch>

4. PIPING-WIRING DIRECTIONS

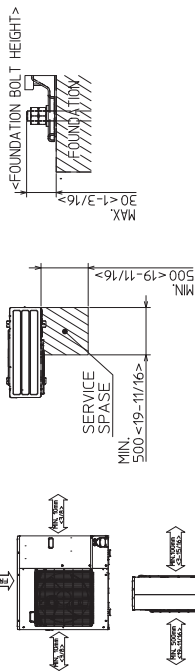
PIPING AND WIRING CONNECTIONS CAN BE MADE FROM 4 DIRECTIONS. FRONT, RIGHT, REAR AND BELOW.

3. FOUNDATION BOLTS

PLEASE SECURE THE UNIT FIRMLY WITH 4 FOUNDATION BOLT (M10x3/8) BOLTS. BOLTS AND WASHERS MUST BE PURCHASED LOCALLY.

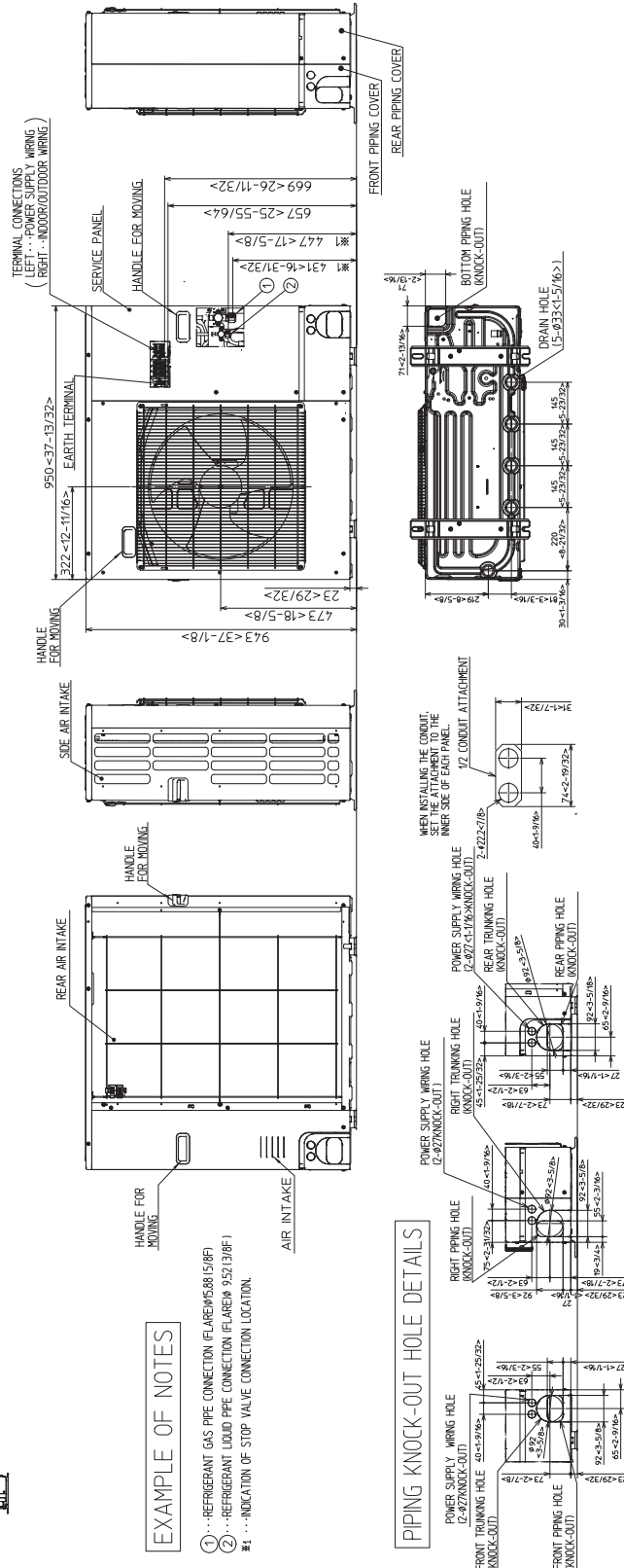
2. SERVICE SPACE

DIMENSIONS OF SPACE NEEDED FOR SERVICE ACCESS ARE SHOWN IN THE BELOW DIAGRAM. (BOLTS AND WASHERS MUST BE PURCHASED LOCALLY.)



EXAMPLE OF NOTES

- ① ...REFRIGERANT GAS PIPE CONNECTION (FLARE#15/8F)
- ② ...REFRIGERANT LIQUID PIPE CONNECTION (FLARE# 9/32<3/8>)
- #1 ... INDICATION OF STOP VALVE CONNECTION LOCATION



PIPING KNOCK-OUT HOLE DETAILS

