

Job Name:

System Reference:

Date:

Indoor Unit:
PKA-A24KA7



Outdoor Unit:
PUZ-HA24NHA



INDOOR UNIT FEATURES

- Sleek, compact design
- Simple installation
- Vane setting for air flow direction control
- Auto fan speed mode
- Ideal for spaces such as server rooms, daycare centers, classrooms, churches, small offices, and more

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: PKA-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	1,900
	Rated Power Input	W	1,900
	Moisture Removal	Pints/h	5.0
	Sensible Heat Factor		0.77
	Power Factor	%	96
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	2,150
	Rated Power Input	W	1,920
	Power Factor	%	96
Heating at 17°F ³	Maximum Capacity	BTU/H	26,000
	Rated Capacity	BTU/H	17,200
	Maximum Power Input	W	3,560
	Rated Power Input	W	1,830
Heating at 5°F ⁴	Maximum Capacity	BTU/H	26,000
	Maximum Power Input	W	3,810
Efficiency	SEER		19.5
	EER ¹		12.6
	HSPF (IV)		11.2
	COP at 47°F ²		3.96
	COP at 17°F ³		2.14
	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	0.36
	Fan Motor Output	W	56
	Airflow Rate, Dry	CFM	635-705-775
	Airflow Rate, Wet	CFM	570-635-700
	External Static Pressure	in.WG	n/a
	Sound Pressure Level	dB(A)	39-42-45
	Drain Pipe Size	In. (mm)	5/8 (16)
	Heat Exchanger Type		Plate fin coil
	External Finish Color		White Munsell 1.0Y 9.2/0.2
	Unit Dimensions Unit Dimensions // Grille Dimensions	W: In. (mm)	46-1/16 (1,170)
		D: In. (mm)	11-5/8 (295)
		H: In. (mm)	14-3/8 (365)
	Package Dimensions	W: In.	51
		D: In.	18-8/16
		H: In.	14-4/16
	Unit Weight	Lbs. (kg)	46 (21)

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	Package Weight	Lbs.	53
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: PKA-A24KA7

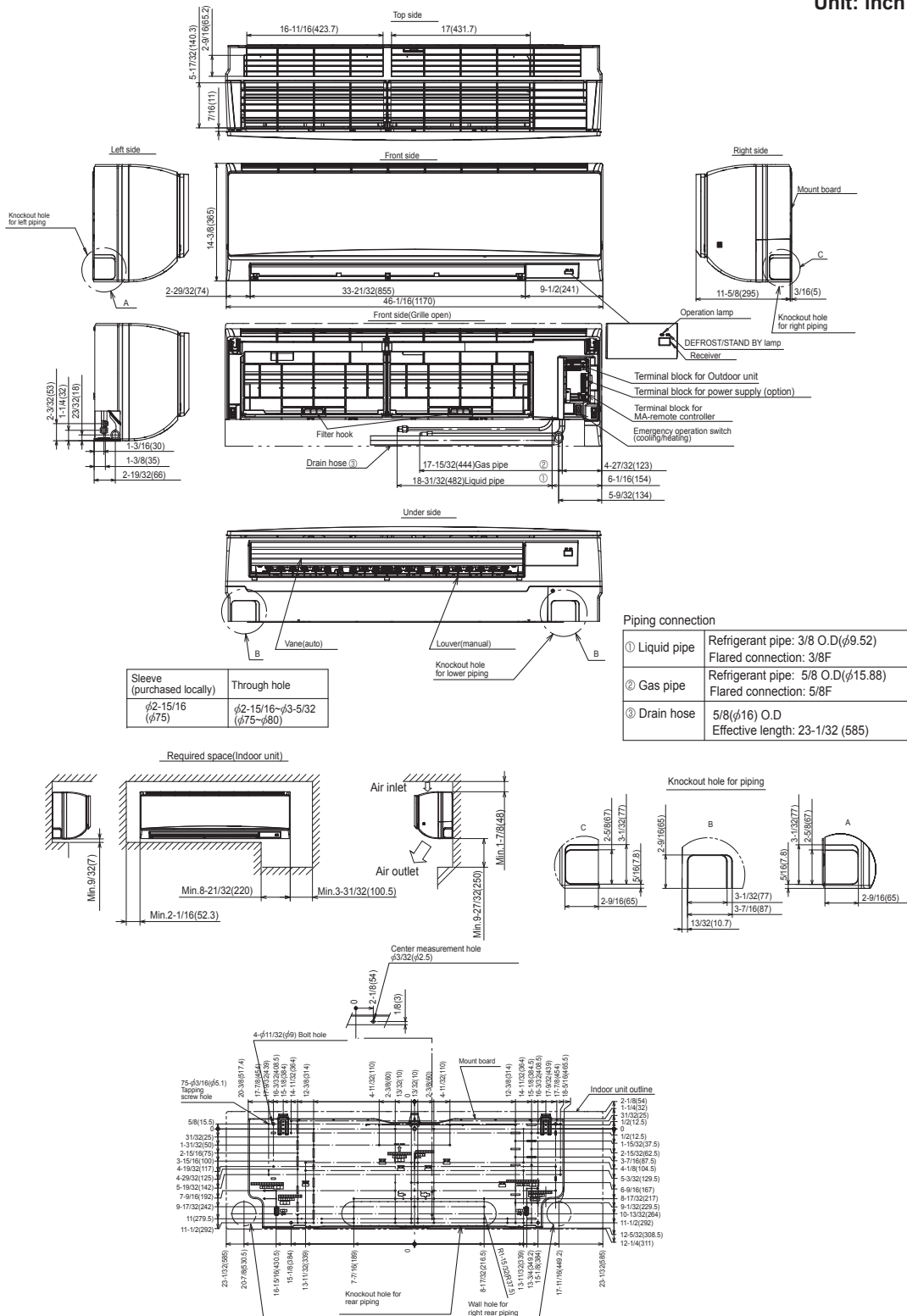
Wireless Remote Receiver	□ PAR-FA32MA-W
Wireless Remote Controller	□ PAR-FL32MA-E
kumo touch™ RedLINK™ Wireless Controller	□ MHK2
Deluxe MA Remote Controller	□ PAR-40MAAU
Simple MA Controller	□ PAC-YT53CRAU-J
Touch MA Controller	□ PAR-CT01MAU-SB
Wired Remote Sensor	□ PAC-SE41TS-E
Lockdown Bracket for 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
Wire for Remote on/off with CN32 connector	□ PAC-715AD
External Drain Pump	□ PAC-KE07DM-E
External Drain Pump	□ PAC-SH94DM-E
Blue Diamond Sensor Extension Cable—15 Ft.	□ C13-103
Mini Condensate Pump—230V application	□ SI30-230
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
Drain Pan Sensor	□ SS610E
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

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: PKA-A24KA7

Unit: inch (mm)



Unit: mm<inch>

4. PIPING-WIRING DIRECTIONS

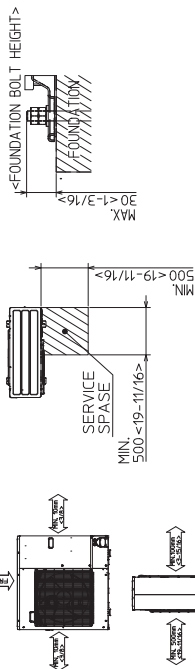
PIPING AND WIRING CONNECTIONS CAN BE MADE FROM 4 DIRECTIONS. FRONT, RIGHT, REAR AND BELOW.

3. FOUNDATION BOLTS

PLEASE SECURE THE UNIT FIRMLY WITH 4 FOUNDATION (M10<M8/8>) BOLTS. BOLTS AND WASHERS MUST BE PURCHASED LOCALLY.

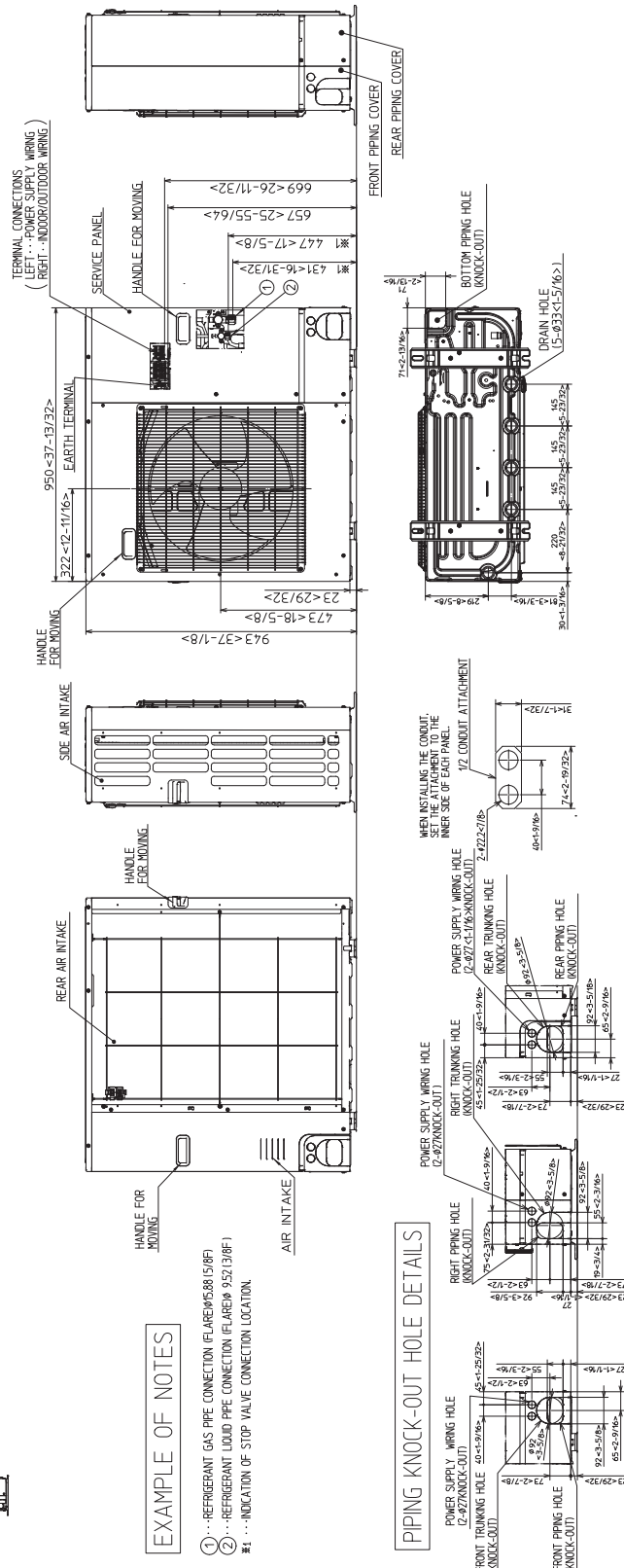
2. SERVICE SPACE

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# 9/52 (3/8")
- #1 ... INDICATION OF STOP VALVE CONNECTION LOCATION



PIPING KNOCK-OUT HOLE DETAILS

