

Job Name:

System Reference:

Date:

Indoor Unit:
PKA-A24KA7

Outdoor Unit:
 PUZ-A24NHA7
 PUZ-A24NHA7-BS



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
- Suction accumulator pre-charged with refrigerant volume for piping length up to 100 ft (70 ft. for A12/18/24/30)
- 24-hour continuous operation (cooling mode)
- High pressure protection
- Fast restart due to bypass valve make it ideal for equipment cooling applications, such as data centers
- Superior energy and operational efficiency

SPECIFICATIONS: PKA-A24KA7 & PUZ-A24NHA7(-BS)

| Model Number | Indoor Unit | | PKA-A24KA7 |
|------------------------------|--|----------|----------------------------|
| | Outdoor Unit | | PUZ-A24NHA7 |
| | | | PUZ-A24NHA7-BS |
| Cooling ¹ | Maximum Capacity | Btu/h | 24,000 |
| | Rated Capacity | Btu/h | 24,000 |
| | Minimum Capacity | Btu/h | 10,000 |
| | Maximum Power Input | W | 1,960 |
| | Rated Power Input | W | 1,960 |
| | Moisture Removal | Pints/h | 5.00 |
| | Sensible Heat Factor | | 0.77 |
| | Power Factor | % | 95.70 |
| Heating at 47°F ² | Maximum Capacity | Btu/h | 28,000 |
| | Rated Capacity | Btu/h | 26,000 |
| | Minimum Capacity | Btu/h | 9,000 |
| | Maximum Power Input | W | 2,600 |
| | Rated Power Input | W | 1,750 |
| | Power Factor | % | 96.30 |
| Heating at 17°F ³ | Maximum Capacity | Btu/h | 18,300 |
| | Rated Capacity | Btu/h | 15,700 |
| | Maximum Power Input | W | 1,820 |
| | Rated Power Input | W | 1,750 |
| Efficiency | SEER | | 21.40 |
| | EER *1 | | 12.20 |
| | HSPF (IV) | | 11.00 |
| | COP at 47°F ² | | 4.35 |
| | COP at 17°F ³ | | 2.62 |
| 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 | V DC | 12 |
| | Recommended Fuse/Breaker Size | A | 25 |
| | Recommended Wire Size (Indoor - Outdoor) | AWG | 14 |
| Indoor Unit | MCA | A | 1.00 |
| | 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) |

SPECIFICATIONS: PKA-A24KA7 & PUZ-A24NHA7(-BS)

| Model Number | Indoor Unit | | PKA-A24KA7 |
|---|---|-------------|-----------------------------|
| | Outdoor Unit | | PUZ-A24NHA7 |
| | | | PUZ-A24NHA7-BS |
| | Condensate Lift Mechanism, Max. Distance | Ft. (m) | n/a |
| | Heat Exchanger Type | | Plate fin coil |
| | External Finish Color | | White Munsell 1.0Y 9.2/0.2 |
| | Unit Dimensions | W: In. (mm) | 46-1/16 (1170) |
| | | 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) | |
| Package Weight | Lbs. | 53 | |
| 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 | 19 |
| | MOCP | A | 26 |
| | Fan Motor Full Load Amperage | A | 0.4 |
| | Fan Motor Output | W | 86 |
| | Airflow Rate | CFM | 1,940 |
| | Refrigerant Control | | Electronic Expansion Valve |
| | Defrost Method | | Reverse Cycle |
| | Heat Exchanger Type | | Cross fin |
| | Sound Pressure Level, Cooling ¹ | dB(A) | 47 |
| | Sound Pressure Level, Heating ² | dB(A) | 48 |
| | Compressor Type | | INVERTER-driven twin rotary |
| | Compressor Model | | SNB172FVHM1 |
| | Compressor Rated Load Amps | A | 7 |
| | Compressor Locked Rotor Amps | A | 11 |
| | Compressor Oil Type // Charge | oz. | FV50S // 23 |
| | 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. | 40-15/16 | |
| | D: In. | 17-11/16 | |
| | H: In. | 40-11/16 | |
| Unit Weight | Lbs. (kg) | 153 (69) | |
| Package Weight | Lbs. (kg) | 179 (81) | |

SPECIFICATIONS: PKA-A24KA7 & PUZ-A24NHA7(-BS)

| Model Number | Indoor Unit | | PKA-A24KA7 |
|--|---|---------|-----------------------------|
| | Outdoor Unit | | PUZ-A24NHA7 |
| | | | PUZ-A24NHA7-BS |
| 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 / -4 DB, -4 WB |
| | Thermal Lock-out / Re-start Temperatures** | °F | -8 / -4 DB |
| 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 |

*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.

SEACOAST PROTECTION

- 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.

ACCESSORIES: PKA-A24KA7

| | |
|---|-------------------------|
| Signal Receiver | □ PAR-SA9CA-E |
| Wireless Remote Controller | □ PAR-FL32MA-E |
| Wireless Remote Receiver | □ PAR-FA32MA-E |
| Backlit, Wall-mounted, Wireless Controller | □ MHK1 |
| Portable Central Controller | □ MCCH1 |
| Wired MA Controller | □ PAR-33MAA |
| Simple MA Controller | □ PAC-YT53CRAU |
| 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 |
| Outside Air Sensor for MHK1 | □ MOS1 |
| Flush Mount Remote Temperature Sensor | □ PAC-USSEN001-FM-1 |
| Wireless Interface | □ PAC-USWHS002-WF-1 |
| 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 |
| Connector for CN32 (remote on/off) | □ PAC-SE55RA-E |
| 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 Level Sensor (Control for indoor unit shut off to prevent drain pan overflow) | □ DPLS2 |
| 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 |

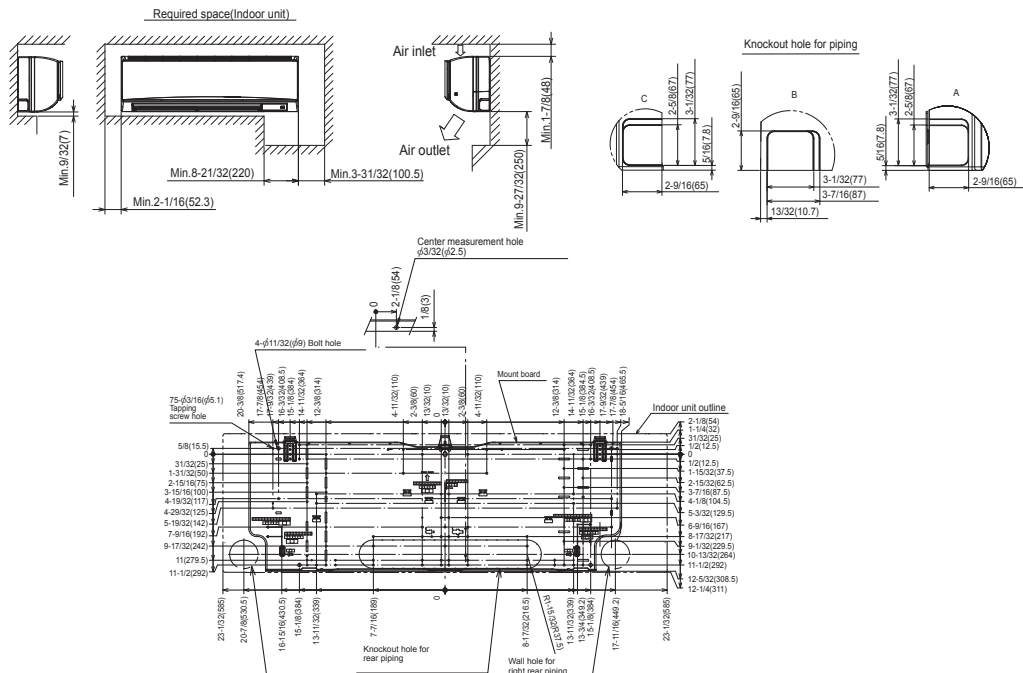
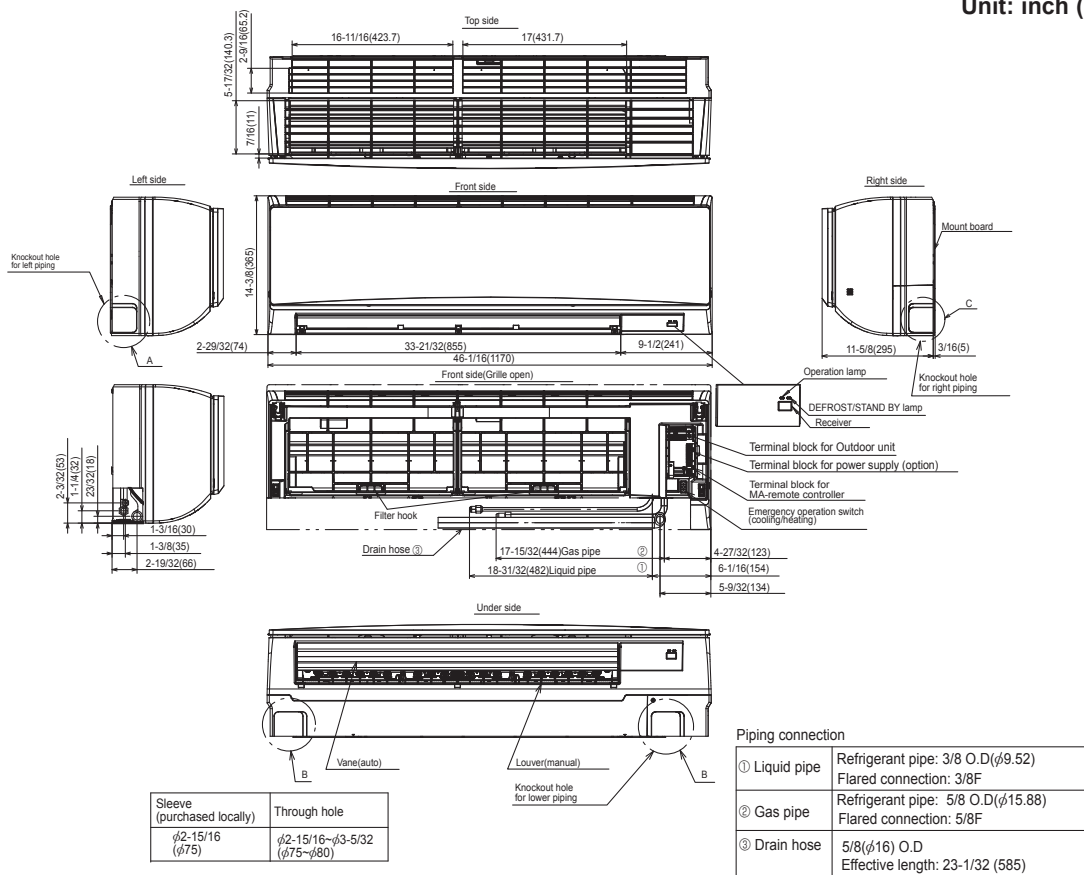
ACCESSORIES: PUZ-A24NHA7(-BS)

| | |
|---|-------------------|
| Twining Distribution Pipe (50:50) | □ MSDD-50TR-E |
| Air Outlet Guide | □ PAC-SG59SG-E |
| Front Wind Baffle | □ WB-PA5 |
| Drain Socket | □ PAC-SG61DS-E |
| Centralized Drain Pan | □ PAC-SG64DP-E |
| M-NET Converter | □ PAC-SF83MA-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 & PUZ-A24NHA7 (-BS)

PKA-A24KA7

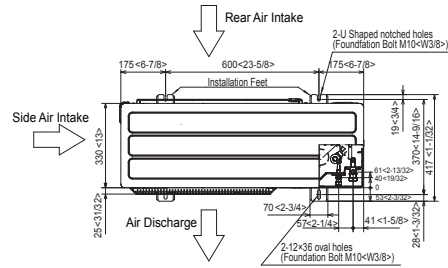
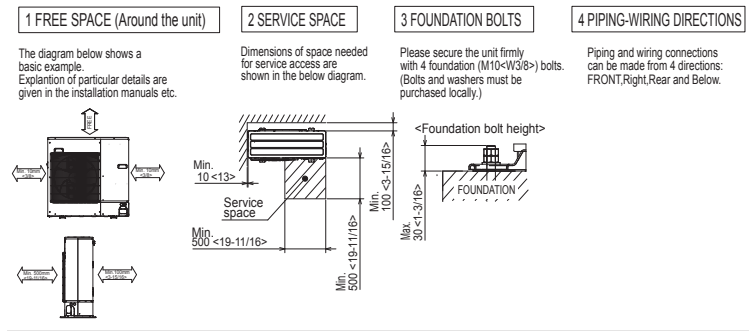
Unit: inch (mm)



DIMENSIONS: PKA-A24KA7 & PUZ-A24NHA7 (-BS)

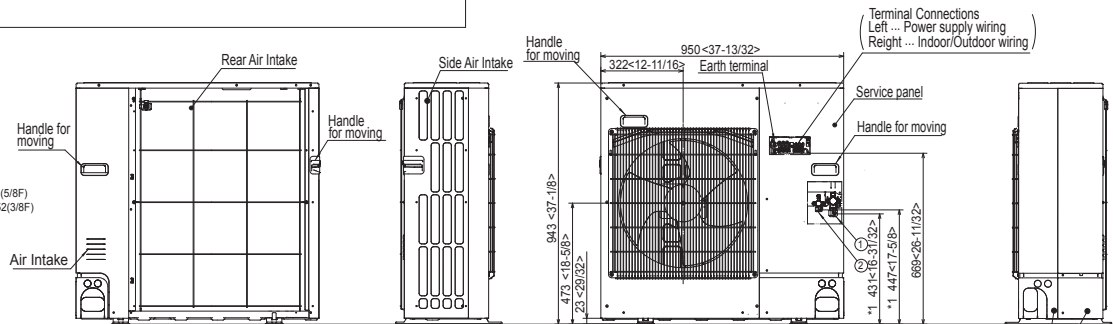
PUZ-A24NHA7(-BS)

Unit: mm<in>

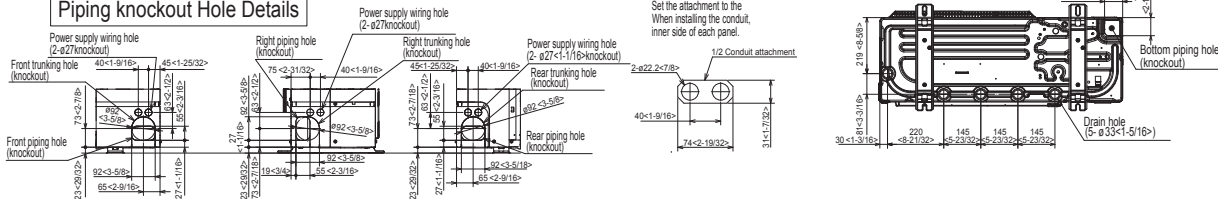


Example of Notes

- ① ... Refrigerant GAS pipe connection (FLARE) ϕ 15.88(5/8F)
- ② ... Refrigerant LIQUID pipe connection (FLARE) ϕ 9.52(3/8F)
- *1... Indication of STOP VALVE connection location.



Piping knockout Hole Details



COOLING & HEATING

1340 Satellite Boulevard, Suwanee, GA 30024
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