

Job Name:

System Reference:

Date:

Indoor Unit:

PKA-A30KA7



Outdoor Unit:

 PUZ-A30NHA7 PUZ-A30NHA7-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-A30KA7 & PUZ-A30NHA7(-BS)

Model number	Indoor unit		PKA-A30KA7
	Outdoor unit		PUZ-A30NHA7
			PUZ-A30NHA7-BS
Cooling*1	Maximum Capacity	Btu/h	30,000
	Rated Capacity	Btu/h	30,000
	Minimum Capacity	Btu/h	9,000
	Maximum Power Input	W	3,150
	Rated Power Input	W	3,150
	Moisture Removal	Pints/h	8.10
	Sensible Heat Factor		0.70
	Power factor	%	96.40
Heating at 47° F*2	Maximum Capacity	Btu/h	34,000
	Rated Capacity	Btu/h	32,000
	Minimum Capacity	Btu/h	8,900
	Maximum Power Input	W	2,620
	Rated Power Input	W	2,460
	Power factor	%	96.40
Heating at 17° F *3	Maximum Capacity	Btu/h	21,000
	Rated Capacity	Btu/h	18,300
	Maximum Power Input	W	2,080
	Rated Power Input	W	1,960
Efficiency	SEER		19.80
	EER *1		9.50
	HSPF (IV)		9.90
	COP at 47° F *2		3.81
	COP at 17° F *3		2.73
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz
	Guaranteed Voltage Range	V AC	187 - 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	A	25
	Recommended Wire Size (Indoor - Outdoor)	AWG	14
Indoor unit	MCA	A	1.00
	MOCP	A	15.00
	Fan Motor Full Load Amperage	A	0.36

SPECIFICATIONS: PKA-A30KA7 & PUZ-A30NHA7(-BS)

Model number	Indoor unit		PKA-A30KA7
	Outdoor unit		PUZ-A30NHA7
			PUZ-A30NHA7-BS
	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)
	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 // Grille Dimensions	W: In. (mm)	46-1/16 (1170)
		D: In. (mm)	11-5/8 (295)
		H: In. (mm)	14-3/8 (365)
	Package Dimensions // Grille 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		SNB172FWHM1
	Compressor Rated Load Amps	A	7

SPECIFICATIONS: PKA-A30KA7 & PUZ-A30NHA7(-BS)

Model number	Indoor unit		PKA-A30KA7	
	Outdoor unit		PUZ-A30NHA7	
			PUZ-A30NHA7-BS	
	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.		153 (69)
	Package Weight	Lbs.		112 (51)
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	

AHRI Rated Conditions	*1 Cooling (Indoor // Outdoor)	°F	80°F DB, 67°F WB // 95°F DB, 75°F WB
	*2 Heating at 47°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // 47°F DB, 43°F WB
	*3 Heating at 17°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // 17°F DB, 15°F WB
Conditions	*4 Heating at 5°F (Indoor // Outdoor)	°F	70°F DB, 60°F WB // -4°F DB, -5°F 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

SPECIFICATIONS: PKA-A30KA7 & PUZ-A30NHA7(-BS)

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.

Notes:

ACCESSORIES: PKA-A30KA7 & PUZ-A30NHA7(-BS)

PKA-A30KA7	
3-Pole Disconnect Switch (30A/600V/UL) [fits 2" X 4" utility box]	<input type="checkbox"/> TAZ-MS303
Drain Pan Level Sensor (Control for indoor unit shut off to prevent drain pan overflow)	<input type="checkbox"/> DPLS2
Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (110V)	<input type="checkbox"/> X87-711 - 110
Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (208/230V)	<input type="checkbox"/> X87-721 - 208/230
Extension Cord for Blue Diamond Pump	<input type="checkbox"/> C13-103
MegaBlue Blue Diamond Condensate Pump (110-230V)	<input type="checkbox"/> X87-835
Remote Sensor (extensible)	<input type="checkbox"/> PAC-SE41TS-E
Connector for CN32 (remote ON/OFF)	<input type="checkbox"/> PAC-SE55RA-E
Connector for CN152 (Back up heating)	<input type="checkbox"/> PAC-SE59RA-E
External fan / Heater control relay adapter	<input type="checkbox"/> CN24RELAY-KIT-CM3
Backlit, wall-mounted, wireless	<input type="checkbox"/> MHK1
Wireless Remote Controller	<input type="checkbox"/> MRCH1
Wireless Receiver	<input type="checkbox"/> MFH1
Portable Central Controller	<input type="checkbox"/> MCCH1
Outside Air Sensor	<input type="checkbox"/> MOS1
Wireless adapter	<input type="checkbox"/> PAC-USWHS002-WF-1
BACnet® and Modbus Interface	<input type="checkbox"/> PAC-UKPRC001-CN-1
Wall-mounted, Wired	<input type="checkbox"/> PAC-YT53CRAU-J
Wired remote controller	<input type="checkbox"/> PAR-32MAA-J
T-STAT Interface	<input type="checkbox"/> PAC-US444CN-1
Wired remote controller	<input type="checkbox"/> PAR-32MAA
Simple remote controller	<input type="checkbox"/> PAC-YT53CRAU
Wireless Remote Controller	<input type="checkbox"/> PAR-FL32MA-E
Wire for Remote ON/OFF with CN32 connector	<input type="checkbox"/> PAC-715AD
Lockdown Bracket for wireless, hand-held, remote controllers	<input type="checkbox"/> RCMKP1CB

PUZ-A30NHA7(-BS)	
Air Outlet Guide	<input type="checkbox"/> PAC-SG59SG-E
Drain socket	<input type="checkbox"/> PAC-SG61DS-E
Centralized Drain Pan	<input type="checkbox"/> PAC-SG64DP-E
M-NET Converter	<input type="checkbox"/> PAC-SF83MA-E
Control/Service Tool	<input type="checkbox"/> PAC-SK52ST
Wall mounting bracket (powder-coated steel)	<input type="checkbox"/> QCWB2000M-1
Wall mounting bracket (316 Series Stainless Steel)	<input type="checkbox"/> QCWBSS
M-NET control adapter for Building Management System	<input type="checkbox"/> PAC-SF83MA-E

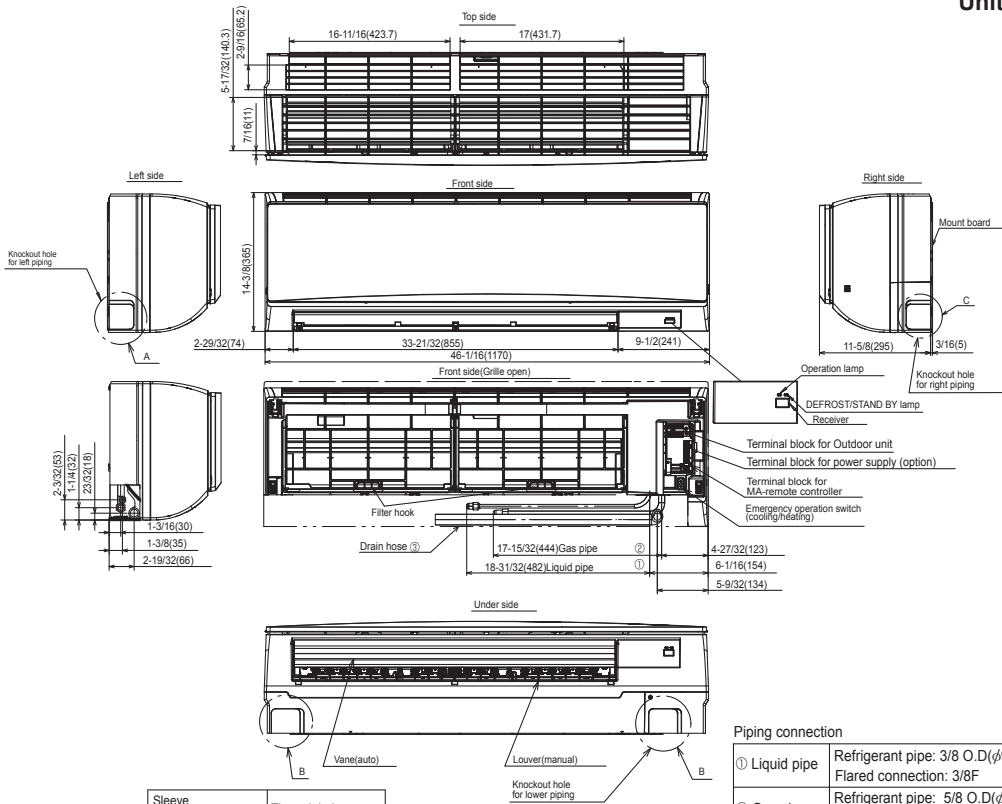
ACCESSORIES: PKA-A30KA7 & PUZ-A30NHA7(-BS)

PUZ-A30NHA7(-BS)	
Outdoor Unit Mounting Pad 24" x 42" x 3"	<input type="checkbox"/> ULTRILITE2
Outdoor Unit 3-1/4 inch Mounting Base - Pair (Plastic)	<input type="checkbox"/> DSD-400N
MiniSplit Mounting Stand-Single Fan models - 12"	<input type="checkbox"/> QSMS1201M
MiniSplit Mounting Stand-Single Fan models - 18"	<input type="checkbox"/> QSMS1801M
MiniSplit Mounting Stand-Single Fan models - 24"	<input type="checkbox"/> QSMS2401M
3/8 x 5/8 x 10' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-10
3/8 x 5/8 x 15' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-15
3/8 x 5/8 x 30' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-30
3/8 x 5/8 x 50' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-50
3/8 x 5/8 x 65' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-65
3/8 x 5/8 x 100' / 1/2" Lineset (Twin-Tube Insulation)	<input type="checkbox"/> MPLS385812T-100

DIMENSIONS: PKA-A30KA7 & PUZ-A30NHA7 (-BS)

PKA-A30KA7

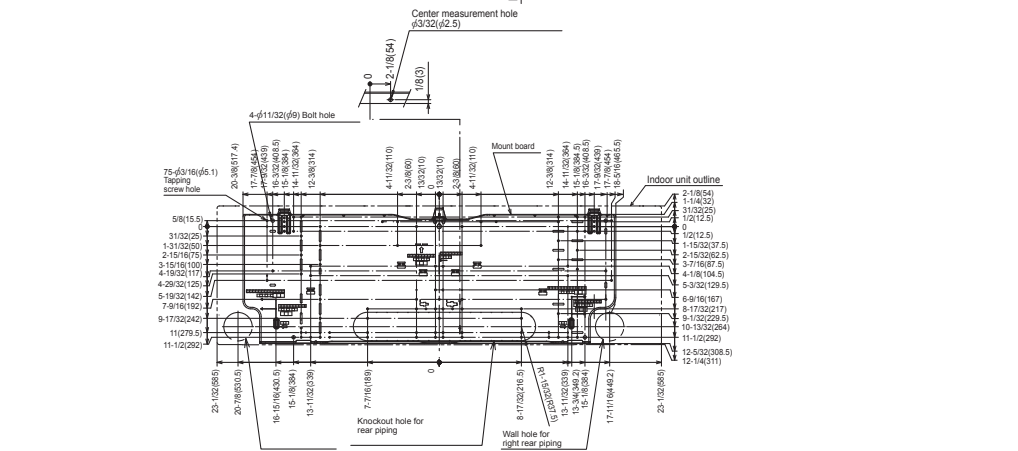
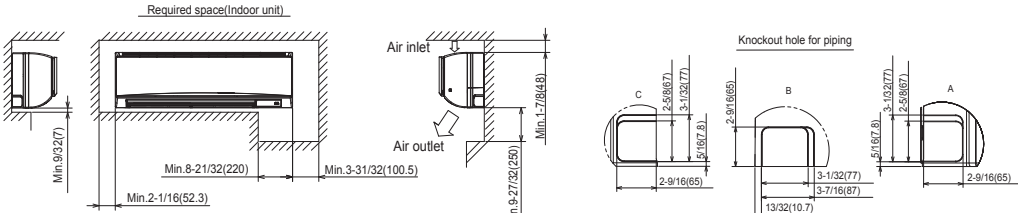
Unit: inch (mm)



Sleeve (purchased locally)	Through hole
φ2-15/16 (φ75)	φ2-15/16~φ3-5/32 (φ75~φ80)

Piping connection

① Liquid pipe	Refrigerant pipe: 3/8 O.D.(φ9.52) Flared connection: 3/8F
② Gas pipe	Refrigerant pipe: 5/8 O.D.(φ15.88) Flared connection: 5/8F
③ Drain hose	5/8(φ16) O.D. Effective length: 23-1/32 (585)



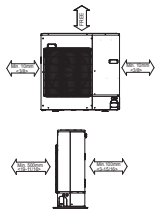
DIMENSIONS: PKA-A30KA7 & PUZ-A30NHA7 (-BS)

PUZ-A30NHA7(-BS)

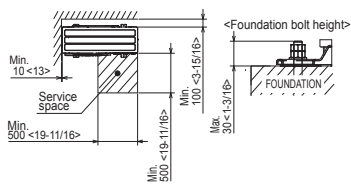
Unit: mm<in>

1 FREE SPACE (Around the unit) **2 SERVICE SPACE** **3 FOUNDATION BOLTS** **4 PIPING-WIRING DIRECTIONS**

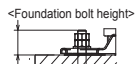
The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.



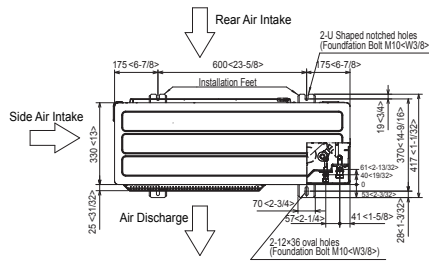
Dimensions of space needed for service access are shown in the below diagram.



Please secure the unit firmly with 4 foundation (M10<3/8>) bolts. (Bolts and washers must be purchased locally.)

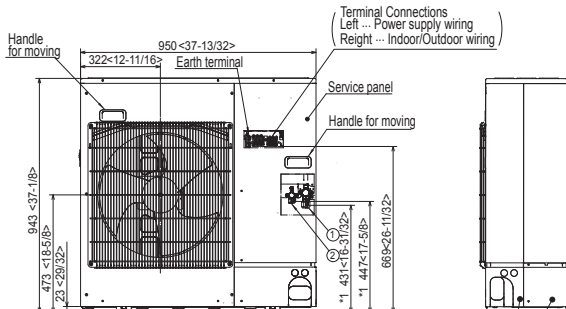
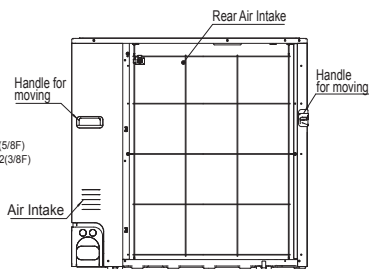


Piping and wiring connections can be made from 4 directions: FRONT, Right, Rear and Below.

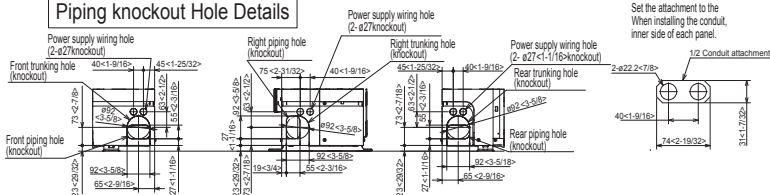


Example of Notes

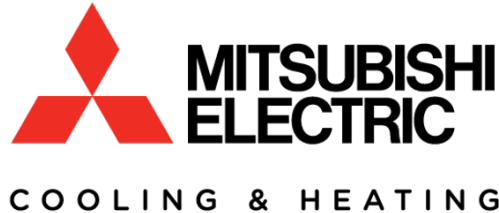
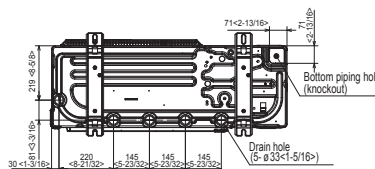
- ① -- Refrigerant GAS pipe connection (FLARE) ø15.88(5/8F)
- ② -- Refrigerant LIQUID pipe connection (FLARE) ø9.52(3/8F)
- *1-- Indication of STOP VALVE connection location.



Piping knockout Hole Details



Set the attachment to the When installing the conduit, inner side of each panel.



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Toll Free: 800-433-4822 www.mehvac.com



FORM# PKA-A30KA7 / PUZ-A30NHA7(-BS) - 201702

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