

Job Name:

System Reference:

Date:

Indoor Unit:
PKA-A30KA7Outdoor Unit:
PUZ-HA30NHA5**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
- 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: PKA-A30KA7 & PUZ-HA30NHA5

Model Number	Indoor Unit		PKA-A30KA7
	Outdoor Unit		PUZ-HA30NHA5
Cooling*1	Maximum Capacity	Btu/h	30,000
	Rated Capacity	Btu/h	30,000
	Minimum Capacity	Btu/h	18,000
	Maximum Power Input	W	2,500
	Rated Power Input	W	2,500
	Moisture Removal	Pints/h	8.1
	Sensible Heat Factor		0.70
	Power Factor	%	96.2
Heating at 47°F*2	Maximum Capacity	Btu/h	34,000
	Rated Capacity	Btu/h	32,000
	Minimum Capacity	Btu/h	18,000
	Maximum Power Input	W	3,370
	Rated Power Input	W	2,930
	Power Factor	%	96.5
Heating at 17°F *3	Maximum Capacity	Btu/h	32,000
	Rated Capacity	Btu/h	19,000
	Maximum Power Input	W	5,080
	Rated Power Input	W	2,560
Heating at 5°F *4	Maximum Capacity	Btu/h	32,000
	Maximum Power Input	W	5,770
Efficiency	SEER		16.5
	EER *1		12.0
	HSPF (IV)		9.5
	COP at 47°F *2		3.20
	COP at 17°F in Maximum Capacity		1.85
	COP at 5°F in Maximum Capacity		1.63
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

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Model Number	Indoor Unit		PKA-A30KA7
	Outdoor Unit		PUZ-HA30NHA5
	Recommended Fuse/Breaker Size	A	30
	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)
	Condensate Lift Mechanism, Maximum 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. (mm)	51
		D: In. (mm)	18-8/16
		H: In. (mm)	14-4/16
	Unit Weight	Lbs. (kg)	46 (21)
	Package Weight	Lbs. (kg)	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	28
	MOCP	A	40
	Fan Motor Full Load Amperage	A	0.4+0.4
	Fan Motor Output	W	86+86
	Airflow Rate	CFM	3,530
	Refrigerant Control		Electronic Expansion Valve
	Defrost Method		Reverse Cycle

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Model Number	Indoor Unit		PKA-A30KA7
	Outdoor Unit		PUZ-HA30NHA5
	Heat Exchanger Type		Cross fin
	Sound Pressure Level, Cooling*1	dB(A)	52
	Sound Pressure Level, Heating*2	dB(A)	53
	Compressor Type		INVERTER-Driven Twin Rotary
	Compressor Model		ANB33FJEMT
	Compressor Rated Load Amps	A	18
	Compressor Locked Rotor Amps	A	27.5
	Compressor Oil Type // Charge	oz.	FV50S // 45
	External Finish Color		Ivory Munsell 3Y 7.8/1.1
	Base Pan Heater		n/a
	Unit Dimensions	W: In. (mm)	37-3/8 (950)
		D: In. (mm)	13 + 1-3/16 (330 + 30)
		H: In. (mm)	53-1/8 (1,350)
	Package Dimensions	W: In. (mm)	40-15/16 (1,040)
		D: In. (mm)	17-11/16 (450)
		H: In. (mm)	56-11/16 (1,440)
	Unit Weight	Lbs. (kg)	265 (120)
	Package Weight	Lbs. (kg)	289 (131)
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	12
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

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AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	*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			

Notes:

ACCESSORIES: PKA-A30KA7

3-Pole Disconnect Switch (30A/600V/UL) [fits 2" X 4" utility box]	□ TAZ-MS303
Drain Pan Level Sensor (Control for indoor unit shut off to prevent drain pan overflow)	□ DPLS2
MaxiBlue Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (110V) up to 48,000 Btu/h [recommended]	□ X87-711 - 110
MaxiBlue Advanced Blue Diamond Mini-Condensation pump w/ Reservoir & Sensor (208/230V) up to 48,000 Btu/h [recommended]	□ X87-721 - 208/230
Extension Cord for Blue Diamond Pump	□ C13-103
Sauermann Mini-Condensation pump (115V)	□ SI30-115
Sauermann Mini-Condensation pump (230V)	□ SI30-230
MegaBlue Blue Diamond Condensate Pump (110-230V)	□ X87-835
Remote Sensor (extensible)	□ PAC-SE41TS-E
Connector for CN32 (remote ON/OFF)	□ PAC-SE55RA-E
Connector for CN152 (Back up heating)	□ PAC-SE59RA-E
External fan / Heater control relay adapter	□ CN24RELAY-KIT-CM3
Backlit, wall-mounted, wireless	□ MHK1
Wireless Remote Controller	□ MRCH1
Wireless Receiver	□ MFH1
Portable Central Controller	□ MCCH1
Outside Air Sensor	□ MOS1
Wireless adapter	□ PAC-USWHS002-WF-1
BACnet® and Modbus Interface	□ PAC-UKPRC001-CN-1
Wall-mounted, Wired	□ PAC-YT53CRAU-J
Wired Remote Controller	□ PAR-33MAA-J
T-STAT Interface	□ PAC-US444CN-1
Simple remote controller	□ PAC-YT53CRAU
Wireless Remote Controller	□ PAR-FL32MA-E
Wire for Remote ON/OFF with CN32 connector	□ PAC-715AD
Lockdown Bracket for wireless, hand-held, remote controllers	□ RCMKP1CB

ACCESSORIES: PUZ-HA30NHA5

Air Outlet Guide	☐ PAC-SG59SG-E (two pieces are required)
Front Wind Baffle	☐ WB-PA5 (two pieces are required)
Hail Guard	☐ HG-A3
Drain Socket	☐ PAC-SG61DS-E
Centralized Drain Pan	☐ PAC-SG64DP-E
Control/Service Tool	☐ PAC-SK52ST
Wall Mounting Bracket (Powder-coated Steel)	☐ QCWB2000M-1
Wall Mounting Bracket (316 Series Stainless Steel)	☐ QSWBSS
M-NET Control Adapter for Building Management System	☐ PAC-SF83MA-E
M-NET Control Adapter for Building Management System	☐ PAC-SJ19MA-E
Outdoor Unit Mounting Pad 24" x 42" x 3"	☐ ULTRILITE2
Outdoor Unit 3-1/4 inch Mounting Base - Pair (Plastic)	☐ DSD-400N
MiniSplit Mounting Stand-Dual Fan Models - 12"	☐ QSMS1202M
MiniSplit Mounting Stand-Dual Fan Models - 18"	☐ QSMS1802M
MiniSplit Mounting Stand-Dual Fan Models - 24"	☐ QSMS2402M
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

PKA-A30KA7

Unit: inch (mm)



