

Job Name:

System Reference:

Date:

Indoor Unit:
PLA-A30EA7



Outdoor Unit:
☐ PUY-A30NHA7
☐ PUY-A30NHA7-BS



INDOOR UNIT FEATURES

- Space-efficient ductless installation
- Equipped with 3D i-see Sensor™ for enhanced comfort and energy efficiency
- Airflow settings for high and low ceiling applications
- Individual vane settings for direct/indirect airflow control or variable airflow patterns
- Knockouts for outside-air intake and branch-duct run
- Filter indicator signal
- Easy-to-clean, washable filter (optional high-efficiency filter available - requires multi-function casement)
- Built-in condensate lift mechanism
- Ideal for retail shops, classrooms, office spaces, conference centers, building lobbies, 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)
- Low ambient cooling down to -20°F providing 100% capacity (only for PUY models with wind baffles installed)
- 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: PLA-A30EA7 & PUY-A30NHA7(-BS)

Model Number	Indoor Unit		PLA-A30EA7
	Outdoor Unit		PUY-A30NHA7
			PUY-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	2,540
	Rated Power Input	W	2,540
	Moisture Removal	Pints/h	5.4
	Sensible Heat Factor		0.80
	Power Factor	%	95.2
Efficiency	SEER		22.8
	EER ¹		11.8
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	0.74
	Fan Motor Output	W	120
	Airflow Rate, Dry	CFM	570-670-780-880
	Airflow Rate, Wet	CFM	530-630-740-840
	External Static Pressure	in.WG	n/a
	Sound Pressure Level	dB(A)	28-32-35-38
	Drain Pipe Size	In. (mm)	1-1/4 (32)
	Condensate Lift Mechanism, Max. Distance	In.	33-7/16
	Heat Exchanger Type		Plate fin coil
	External Finish Color		White Munsell 6.4Y 8.9/0.4
	Unit Dimensions // Grille Dimensions	W: In. (mm)	33-1/16 (840) // 37-13/32 (950)
		D: In. (mm)	33-1/16 (840) // 37-13/32 (950)
		H: In. (mm)	11-3/4 (298) // 1-9/16 (40)
	Package Dimensions // Grille Dimensions	W: In. (mm)	35-9/16 // 39-6/16
		D: In. (mm)	34-5/16 // 38-3/16
		H: In. (mm)	16-9/16 // 4-12/16
	Unit Weight // Grille Weight	Lbs. (kg)	56 (25) // 11 (5)
	Package Weight	Lbs. (kg)	77 (35)
Indoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	90 DB, 73 WB / 66 DB, 59 WB

SPECIFICATIONS: PLA-A30EA7 & PUY-A30NHA7(-BS)

Model Number	Indoor Unit		PLA-A30EA7
	Outdoor Unit		PUY-A30NHA7
			PUY-A30NHA7-BS
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		Electronic Expansion Valve
	Heat Exchanger Type		Cross fin
	Sound Pressure Level, Cooling ¹	dB(A)	47
	Compressor Type		INVERTER-driven twin rotary
	Compressor Model		SNB172FWHM1
	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. (mm)	40-15/16
		D: In. (mm)	17-11/16
		H: In. (mm)	40-11/16
	Unit Weight	Lbs. (kg)	151 (68)
	Package Weight	Lbs. (kg)	176 (80)
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	115 DB / -20* 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)	225 (69)
	Maximum Height Difference	Ft. (m)	100 (30)
	Maximum Number of Bends		15

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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
*Wind baffles required to operate below 23°F DB in cooling mode. PUY with wind baffle: -20°F - 115°F. Refer to wind baffle documentation for further information. **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: PLA-A30EA7

High-efficiency Filter Element	□ PAC-SH59KF-E
Signal Receiver	□ PAR-SA9CA-E
Wireless Remote Controller	□ PAR-FL32MA-E
Wireless Remote Receiver	□ PAR-FA32MA-E
Wireless Remote Controller	□ PAR-SR3LA-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
External Fan / Heater Control Relay Adapter	□ CN24RELAY-KIT-CM3
Connector for CN32 (remote on/off)	□ PAC-SE55RA-E
Remote Operation Adapter (with wire terminals for remote ON/OFF and operation status/ error) ¹	□ PAC-SF40RM-E
Grille (required)	□ PLP-40EAEU
Multi-Function Casement	□ PAC-SJ41TM-E
Installation/Trim Panels	□ PLFY-ITP1
Space Panel	□ PAC-SJ38AS-E
Air Outlet Shutter Plate	□ PAC-SJ37SP-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
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

¹ Unable to use with wireless remote controller

ACCESSORIES: PUY-A30NHA7(-BS)

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

PLA-A30EA7

NOTE! CHOOSE THE GRILLE AMONG THE DEDICATED GRILLES.

2.REINFORCE THE SUSPENSION BOLT FOR EARTHQUAKE-RESISTANCE AS NEEDED.

3.DO NOT SUSPEND BOLT USING MILD STEEL WIRE (PROCURED AT THE LOCAL SITE).

4.FOR DRAIN PIPE, USE PV-25(D) 1.14"x1.32" (32) PVC.

5.DRAIN PUMP INCLUSION.

6.RAISE IS MAX 33"x37"(850mm) FROM THE CEILING.

7.ELECTRICAL BOX MAY BE CONNECTED TO ELECTRICAL PURPOSE.

8.MAKE SURE TO SLACK THE ELECTRICAL WIRE LITTLE BIT FOR CONTACT-POWER WIRE SHORTAGE.

9.THE HEIGHT OF THE INDOOR UNIT IS ABLE TO BE ADJUSTED WITH THE GRILLE ATTACHMENT.

7.REQUIRES 2" OR MORE SPACE BETWEEN TRANSOM AND CEILING FOR THE INSTALLATION.

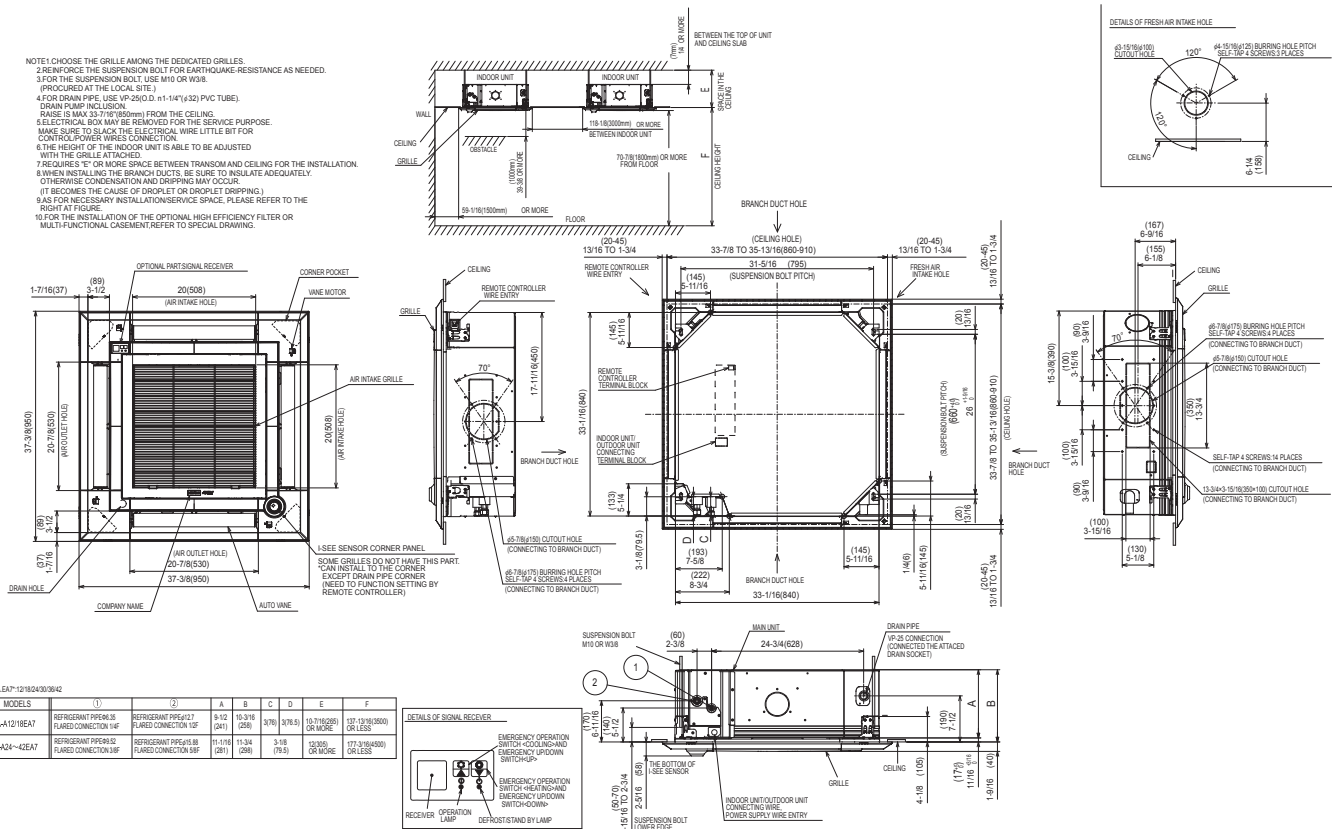
WHEN INSTALLING THE BRANCH DUCTS, BE SURE TO ISULATE ADEQUATELY.

OTHERWISE CONDENSATION ON THE DUCTS MAY OCCUR.

(IT BECOMES THE CAUSE OF DROPLET OR DRIPE DROPPING.)

8.FOR NECESSARY REPAIRS, THE UNIT CAN BE EASILY REFER TO THE RIGHT AT FUNCTION.

9.FOR THE INSTALLATION OF THE OPTIONAL HIGH EFFICIENCY FILTER OR MULTI-FUNCTIONAL CASEMENT REFER TO SPECIAL DRAWING.



PLA-AEA7: 12/18/24/30/36/42								
MODELS	(1)	(2)	A	B	C	D	E	F
PLA-A12/18EA7	REFRIGERANT PIPE#6.16 FLARED CONNECTION 1/4F	REFRIGERANT PIPE#1/2 FLARED CONNECTION 1/2F	9-1/2 (241)	10-3/16 (256)	3/78	3/76.5	10-7/16 (257) OR MORE	13-1/8 (350) OR LESS
PLA-A24-42EA7	REFRIGERANT PIPE#9.52 FLARED CONNECTION 3/8F	REFRIGERANT PIPE#1.5.88 FLARED CONNECTION 5/8F	11-1/16 (281)	11-3/4 (298)	3-1/8 (79.5)	12/305 OR MORE	17-3/16 (450) OR LESS	

