

Cooling in Low Ambient Conditions

PUY Model Brochure





High Reliability and Performance in Low Ambient Conditions

By modulating fan speed in low ambient temperatures, the PUY model can offer stable operation down to -40° F outdoor air temperature. This model range is well suited for cooling needs in cold regions.

Outdoor Units*



PUY-A12NKA7

PUY-A18NKA7



PUY-A24NHA7

PUY-A30NHA7



PUY-A36NKA7

PUY-A42NKA7

Key Benefits

- 100% cooling capacity down to -40° F ambient outdoor air temperature with wind baffles installed
- No equipment modifications required
- Temperature control factory-programmed for optimal performance and longevity
- 24-hour continuous operation in Cooling Mode
- Variable speed INVERTER-driven compressor
- Precharged for extended piping length
 - Up to 70 ft. for 12, 18, 24, and 30 KBTU/H capacities
 - Up to 100 ft. for 36 and 42 KBTU/H capacities
- High pressure protection
- Fast restart in Cooling Mode
 - 15 seconds for 12, 18, 36 and 42 KBTU/H capacities
 - 50 seconds for 24 and 30 KBTU/H capacities
- Superior energy and operational efficiency

Wind Baffle Compatibility

Model	Type and Quantity								
	Front Wind Baffles			Advanced Side Wind Baffles			Advanced Rear Wind Baffles		
	WB-PA3	WB-PA4	WB-PA5	WB-SD4	WB-SD5	WB-SD6	WB-RE4	WB-RE5	WB-RE6
PUY-A12NKA7		1		1			1		
PUY-A18NKA7		1		1			1		
PUY-A24NHA7			1		1			1	
PUY-A30NHA7			1		1			1	
PUY-A36NKA7	2					1			1
PUY-A42NKA7	2					1			1

*Units shown are not to scale. Please refer to technical specifications for individual unit measurements.



Paired with
Mitsubishi Electric's
range of compatible
indoor units, the
PUY Model provides
critical temperature
control even in
extreme outdoor
conditions.

Indoor Units*



PKA Wall-mounted

- Sleek, slim-line design
- Ductless installation
- Hand-held remote controller provided
- Optional controllers:
 - Wired or wireless wall-mounted
 - Third-party interface devices
 - kumo cloud® app control
- Washable filter and filter check indicator
- Ideal for churches, classrooms, daycare centers, out buildings, and small offices
- 12,000 to 36,000 BTU/H capacities



PLA Ceiling-cassette

- Equipped with 3D i-see Sensor® technology to detect human heat signatures or the absence of them
- Individual vane settings for Direct/Indirect airflow controls or variable patterns
- Stylish low-profile square design
- 3D turbo fan provides energy savings and reduced sound pressure levels
- Airflow setting for high- and low-ceiling applications
- Outside-air intake and branch duct run knockouts
- Washable filter and filter check indicator
- Optional high-efficiency filter available
- Built-in condensate lift mechanism (33" lift)
- Hand-held remote controller provided
- Optional controllers:
 - Wired or wireless wall-mounted
 - Third-party interface devices
 - kumo cloud® app control
- Ideal for retail shops, classrooms, office spaces, conference centers, building lobbies, and more
- 12,000 to 42,000 BTU/H capacities

*Units shown are not to scale. Please refer to technical specifications for individual unit measurements

Indoor Units*



PEAD Horizontal-ducted

- Unobtrusive concealed design
- Wide ranging external static pressure
- High static pressure specifications fits most Net Zero and High Performance Home designs
- Built-in condensate lift mechanism (27-9/16")
- Automatic fan speed control
- Optional filter boxes available
- Optional controllers:
 - Wired or wireless wall-mounted
 - Third-party interface devices
 - kumo cloud® app control
- Ideal for retail shopping centers, larger classrooms, auditoriums, office complexes, conference ballrooms, fitness centers, and more
- 12,000 to 42,000 BTU/H capacities



PVA Multi-position Air Handler

- Ducted air handler provides a solution to cool and heat large zones
- Multi-position installation
 - Horizontal left or right
 - Vertical upflow or downflow
 - Downflow kit available for condensate management
- Optional electric heat kit for additional heat capacity
- Positive pressure cabinet with air leakage less than 1.0% at 1.0 In. WG
- Selectable external static pressure
 - 0.30, 0.50 and 0.80 In. WG
 - Three fan speed settings
- Optional controllers:
 - Wired or wireless wall-mounted
 - Third-party interface devices
 - kumo cloud® app control
- 12,000 to 42,000 BTU/H capacities



PCA Ceiling-suspended

- Suspends from ceiling for quick and easy installation
- Slim, powerful indoor unit design
- Airflow setting for high- and low-ceiling applications
- Outside air intake knockout
- Optional i-see Sensor™ for precise temperature control
- Easy to clean, washable filter
- Optional controllers:
 - Wired or wireless wall-mounted
 - Third-party interface devices
 - kumo cloud® app control
- Ideal for larger retail stores classrooms, restaurants, office spaces, building entrances, energy efficient additions, renovations, and more
- 24,000 to 42,000 BTU/H capacities



The stylish PCA Ceiling-suspended indoor unit is ideal for restaurants, large retail stores classrooms, and more.



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