

Efficiency, comfort  
& technology.  
All in one. 18 seer



**UMATCH**  
SERIES

## OUTDOOR UNIT



Variable-Speed  
High-Efficiency Air Conditioner



INVERTER

**24V** Low Voltage  
Safety Control

[www.airestrading.com](http://www.airestrading.com)

## 18 SEER INVERTER technology



## Introducing the latest innovation designed with your family's comfort in mind.

The new Boreal Air Conditioning 18 SEER variable speed system. Our system utilizes variable speed technology to provide quiet, reliable and cost efficient comfort for your home. This system achieves up to 18 SEER, which translates to higher efficiency and less operating cost than lower SEER systems. Your family stays comfortable through every season with considerable savings on energy bills.

## Supremely Efficient

Variable-speed technology maintains consistent comfort levels, regardless of outdoor conditions, by using more energy when it is required and less energy when it is not. By fluctuating operating speeds rather than running at a constant level, the system saves energy by maximizing lower speed operation while maintaining consistent temperature inside your home. With 18 SEER capability, you could save hundreds of dollars per year on your energy bills.



## Whisper Quiet

Whisper Quiet Technology to deliver sound levels as low as 56dB, almost 50% less than a standard system. This is accomplished by using an insulated compressor compartment utilizing innovative, industry leading materials and sound-isolating components. A specially designed fan blade provides additional sound suppression to further reduce noise even in high speed operation.

Uniform Air Flow Trace Map



Stable Pressure Map



Uniform air flow achieve high stability of passage vortex and high efficient fan efficiency, stable pressure prevent the vortex generation and reduce the blocking, through their contributions we receive a low noise unit.

## Intelligent and Reliable Control

### Intelligent Control

Our 18 SEER instinctually adjusts the output capacity, allowing indoor temperature to remain at the desired setting without fluctuation. Evaporating temperature control manages humidity in the indoor air, providing greater comfort and improving air quality. The Monarch Series heat pump features a high dehumidification setting that keeps indoor air dry, even in high humidity regions.

### Maximum Value

The 18 SEER system was designed with affordable comfort in mind. Now every family can afford luxury home comfort while maintaining peace of mind knowing that their system was built to last. Choosing the Pinnacle Series by Grandaire is more than just selecting a brand. It means selecting a product that is backed by an industry leading warranty and quality manufacturing.

## More Reliable

### Fan Blades

Whisper Quiet Technology to deliver sound levels as low as 56dB.

### Learning Control Technology

Instinctually adjusts the output capacity, allowing indoor temperature to remain at the desired setting without fluctuation.

### High Efficiency Coil

Provides exceptional heat transfer and low air resistance for high-efficiency operation that can lower your cooling cost.

### Insulated Compressor Compartment

Minimizes operating sounds with innovative, industry-leading materials and sound-isolating mounts.

### High Efficiency Variable Capacity Inverter Compressor

Can adjust output capacity between 25% and 110% in increments of 1%, to perfectly cool your home using improving efficiency in the system.





BOREAL MODEL		BUMA24COJ10A18	BUMA36COJ10A18	BUMA48COJ10A18	BUMA60COJ10A18
Power Supply	V/PH/Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Nomical Capacity	BTU/H	24000	34500	47000	56000
Efficiency	SEER	17.5	17.5	17.5	17.5
Rated Current	A	16.3	16.3	18.6	18.6
LRA	A	45	45	58.1	58.1
Ambiant Cooling Operating Range	°F / °C	5-118	5-118	5-118	5-118
Compressor Type		AC		DC	
Air Flow (Max)	CFM	2400	2950	4100	4100
Sound Pressure Level	DB (A)	75	77	79	79
Unit Dimension (WxDxH) (Body)	INCHES	29-1/8x24-15/16x29-1/8	29-1/8x24-15/16x29-1/8	29-1/8x33-3/16x29-1/8	29-1/8x33-3/16x29-1/8
Package Dimension (WxDxH) (Body)	INCHES	30-1/5x26-1/4x30-1/5	30-1/5x26-1/4x30-1/5	30-1/5x34-1/2x30-1/5	30-1/5x34-1/2x30-1/5
Net / Gross Weight (Body)	LB	157 / 165	157 / 165	201 / 211	201 / 211
Line Set Size (Liquid - Suction)	INCHES	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
Max. Pipe Length	FT	100	100	100	100
Max. Difference level	FT	50	50	50	50
Loading Capacity	40'HC	180	180	135	135

### PUEDE SER USADO CON



CASSETTE



FANCOILS



DUCTO



PISO TECHO

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