



16 & 18K EQUIVALENT AIR CONDITIONERS



Class Leading Performance



Best Function

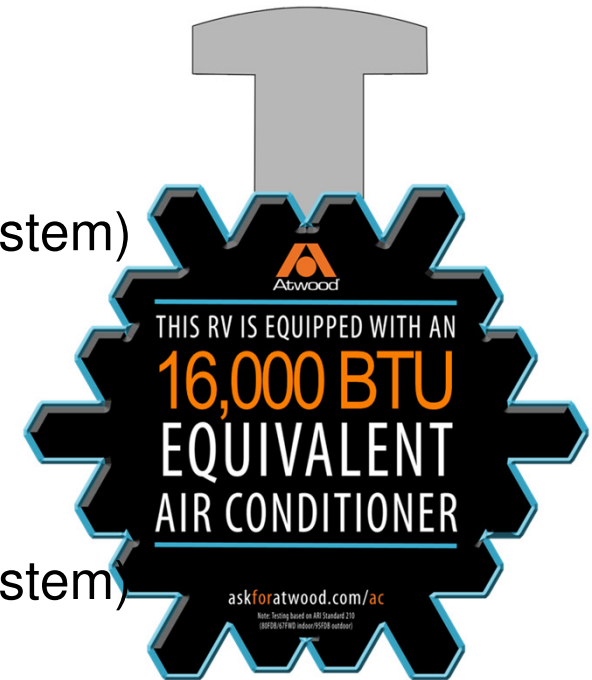


More Features



Atwood offers 2 class leading AC models:

- 16,000 BTU Equivalent Air Conditioner (13.5k System)
 - Outperforms leading competitors 15k units
 - Can be started with a 2,000w generator
 - Run dual AC's on one 30 amp circuit
- 18,000 BTU Equivalent Air Conditioner (15.0k System)
 - Industries most powerful air conditioner
 - Comes standard with a heat pump



Plus you get...

- The quietest
- The lightest
- And the most features

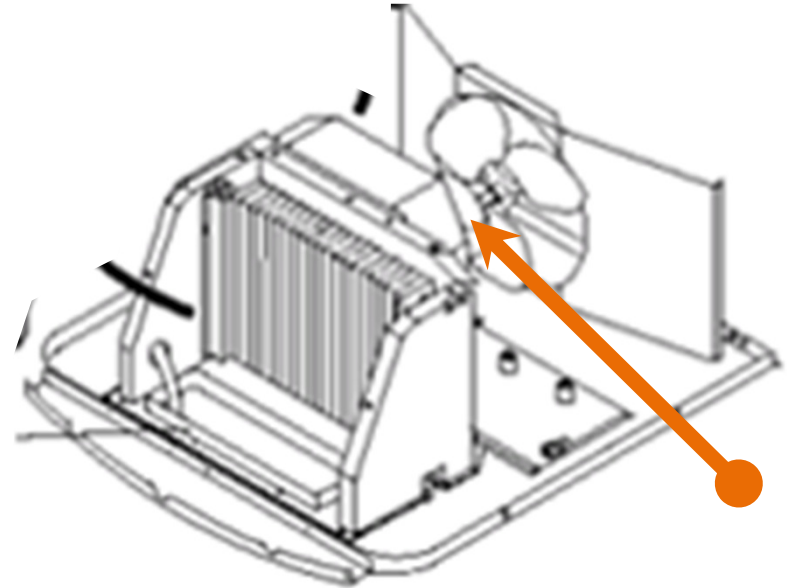
 Atwood®
AIRCOMMAND (13³)



Dual Motor Design

- Separate condenser fan and blower fan motors
- Lower AMP draw
- Ultra quiet
- Allows for a consistent condenser fan speed regardless of blower fan speed

Brand X



Single Motor Design

- One motor runs condenser and blower
- Heavy AMP draw
- Loud
- Condenser fan and blower forced to run at the same speed (inefficient)

- Testing was performed inside an environmental chamber at Progressive Engineering in Goshen, IN
- The Atwood Aircommand 16.0k Equivalent (13.5k) was tested against the Dometic 15.0k Brisk Air II.
- The same Fifth Wheel was used to test both air conditioner units.
- Items tested:
 - Cooling Performance
 - AMP Draw
 - Air Flow
 - Noise Level

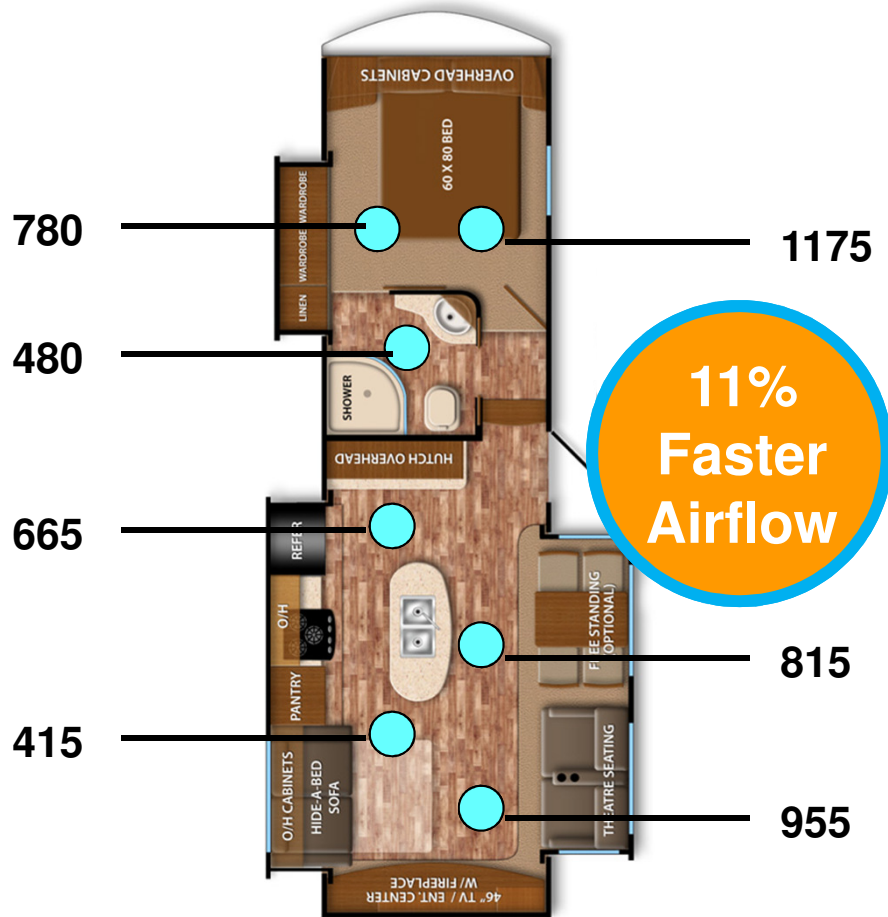


AIR FLOW COMPARISON



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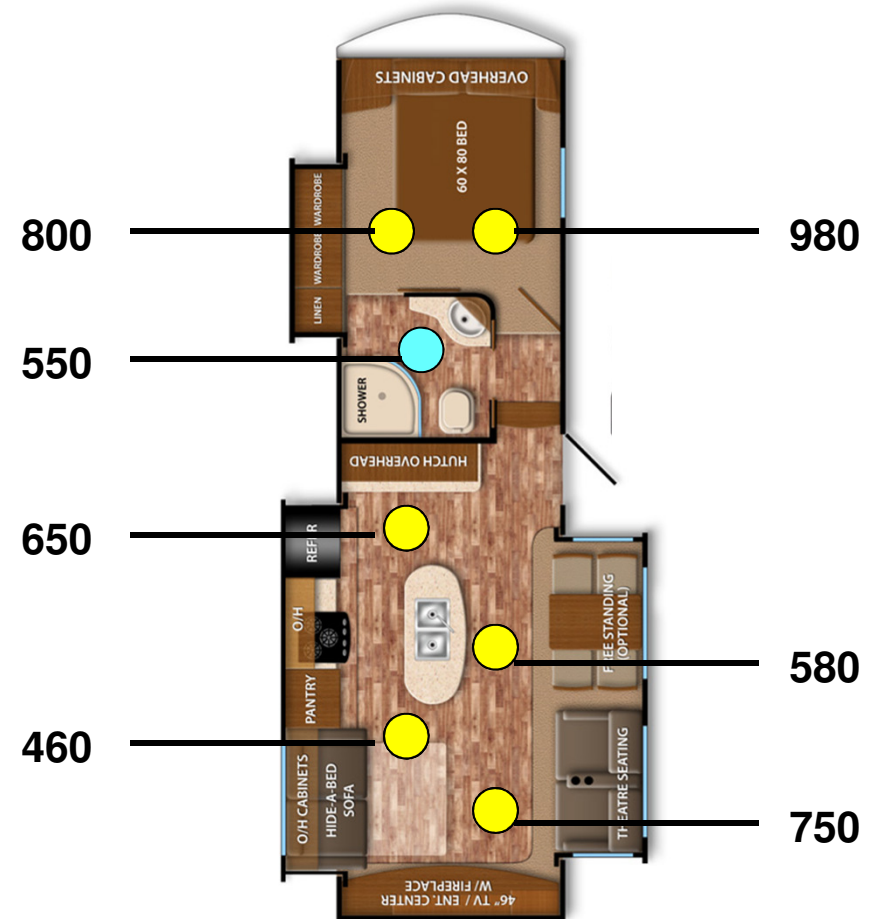
**ATWOOD
AIRCOMMAND 16.0K EQ**



**11%
Faster
Airflow**

TOTAL AIRFLOW = 5,285

**DOMETIC
BRISK AIR II (15.0K)**



TOTAL AIRFLOW = 4,770

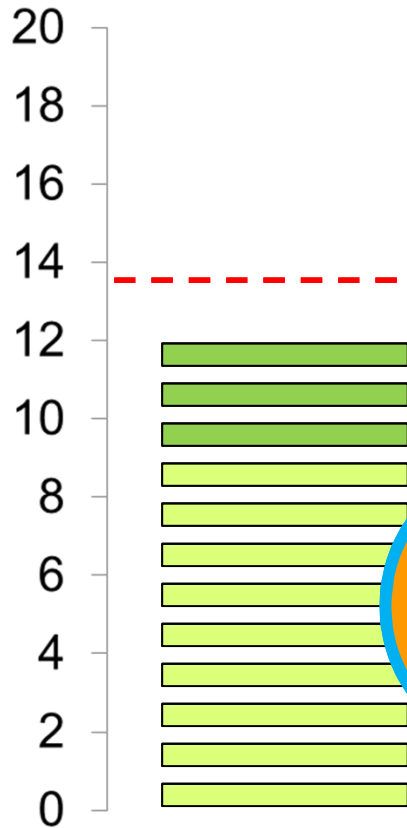
Testing Parameters: An airflow meter (Anemometer) was used to measure the approximate speed of the air exiting each of the 7 air ducts throughout the test unit.

POWER DRAW (~108)



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**ATWOOD
16.0K EQ (13.5k)**



12.2 AMPS

**35%
Lower
Amp
Draw**



**DOMETIC
BRISK AIR II (15.0K)**



18.9 AMPS



What Can You Run On 30 Amp Service?

ATWOOD

Air Conditioner	12 Amps
Refrigerator	4 Amps
Microwave	8 Amps
Television	2 Amps
Computer	2 Amps

DOMETIC

Air Conditioner	19 Amps
Refrigerator	4 Amps
Microwave	8 Amps
Television	2 Amps
Computer	2 Amps

NOISE TESTING



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**ATWOOD
AIRCOMMAND 16.0K EQ**



NOISE LEVEL = 64 - 67db

**DOMETIC
BRISK AIR II (15.0K)**



NOISE LEVEL = 77 - 80dB

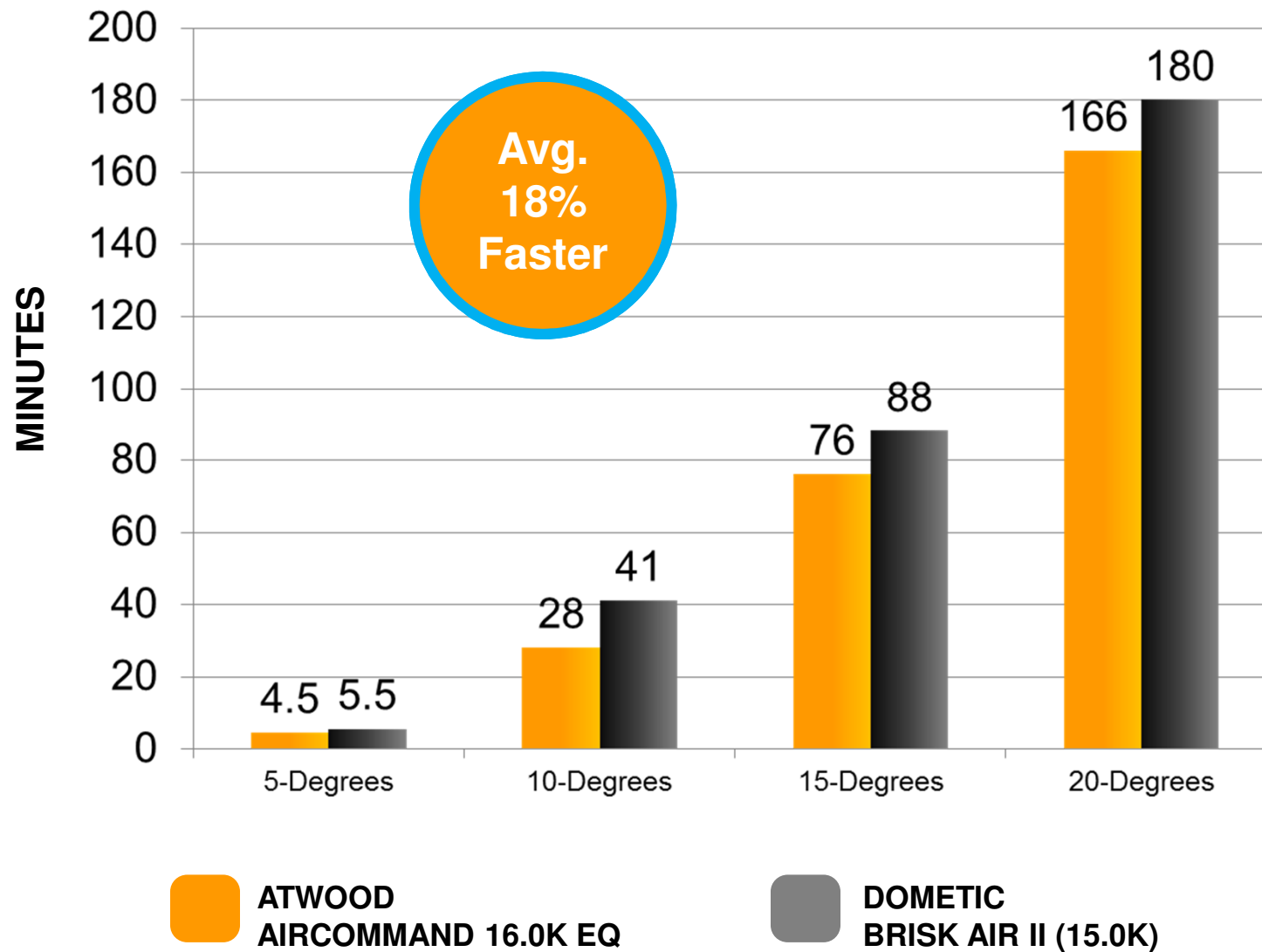
(NOTE: 10dB is considered to be twice as loud)

Testing Parameters: An iPhone loaded with the "Decibel 10th" App was used to measure the decibel level. The air conditioners were set on the high setting, and the iPhone was placed in the same location for both tests.

TIME TO COOL



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PERFORMANCE RESULTS



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**Atwood
Air Command
13.5k (16k EQ)**

**Dometic
Brisk Air II
15.0k**

Cooling Performance Test (Ambient Temperature ~108°)		
Avg. AMP Draw	12.2 AMPS	18.9 AMPS
Temperature Drop @ 5 Min.	5.1°	4.8°
Temperature Drop @ 10 Min.	6.9°	6.6°
Temperature Drop @ 20 Min.	8.9°	8.8°
Temperature Drop @ 40 Min.	11.5°	9.7°
Temperature Drop @ 1 Hour	13.6°	12.6°
Temperature Drop @ 2 Hours	17.9°	16.9°
Temperature Drop @ 3 Hours	20.7°	19.9°
Temperature Drop @ 4 Hours	22.4°	21.8°
Time to Drop Temperature 5°	4.5 Min.	5.5 Min.
Time to Drop Temperature 10°	28 Min.	41 Min.
Time to Drop Temperature 15°	76 Min.	88 Min.
Time to Drop Temperature 20°	166 Min.	180 Min.
Air Flow Test (Feet Per Minute)		
Living Area (4 Vents)	2,850	2,440
Bedroom (2 Vents)	1,955	1,780
Bathroom (1 Vent)	480	550
Total Airflow (7 Vents)	5,285	4,770
Noise Test (Decibels)		
Decibels	66 dB	77 dB



Non-ducted air system with flip down thermostat and remote control

Ducted air system with wall mount thermostat and remote control