

LUXAIRE®
HEATING • AIR CONDITIONING



Luxaire® Acclimate™ Series Air Handlers

AVC, MVC MODELS WITH
VARIABLE-SPEED BLOWER MOTOR





The science of serenity

From design to product testing, Luxaire® products are built with time-tested craftsmanship in our North American factories. Since 1939, we've been setting the standard in innovation for heating and cooling systems. So we're confident that our Acclimate™ Series air handlers will provide the deluxe comfort, exceptional energy savings and lasting performance you've come to expect from a premier brand. Backed by Johnson Controls, we merge smart design with the highest quality standards to deliver HVAC systems that exceed your innovation expectations.

Luxaire® Acclimate™ Series Split System Air Handlers

- **High-efficiency blower** with an advanced, variable-speed ECM motor uses up to 80% less electricity to make the fan run versus models that use a constant speed blower.
- **Save more energy with 2%-or-less leakage** with a cabinet that meets strict requirements against air infiltration.
- **Advanced single-piece or modular units** provide a perfect match for the system to ensure quiet, efficient operation.
- **Reduce allergens with filter** and indoor-air-quality options that keep your home cleaner and healthier.
- **Efficient heat transfer** with MaxAlloy™ aluminum coil in single-piece units to provide effective airflow and refrigerant circulation.
- **Communicates to improve the whole system** with easy connection to our smart Residential Communicating Control.
- **Hygienic positive-slope drain pan** removes coil condensate to ensure healthy indoor air.
- **Long-lasting, powder coat paint** maintains a durable, automotive-quality finish that looks great for years.



Uncompromising quality



Proven performance

More than 125,000 hours of system research, 5 years of accelerated field testing and extreme weather testing from +140°F to -10°F ensure reliable performance for years to come.



Advanced manufacturing

Industry-leading quality control and assembly processes are backed by the manufacturing expertise of Johnson Controls.



Smart efficiency

Enjoy advanced levels of efficiency with matched components that do more with less.



Space and budget friendly

Small-footprint cabinets deliver maximum performance that is both space and budget friendly.



Green technology

We use R-410A, a refrigerant that does not deplete the ozone layer, to ensure your system is safe for the environment.



Installation excellence

Our skilled contractors are trained to deliver high quality comfort and performance you can trust.

Comfort without compromise.



When it comes to in-home comfort, we never compromise. That's why Luxaire® products are designed, engineered and assembled in North America to closely monitor and improve process that directly affect quality. And for further peace of mind, we offer outstanding warranties to ensure your investment is a smart one. We know that comfort is what makes your house a home. That's why we build each system as if it were for our own.

Save more with a precisely matched outdoor condensing unit, indoor air quality options and controls that deliver optimum system efficiency and comfort.

Acclimate™ Series Air Handling Units



* 10-Year parts limited warranty requires online registration within 90 days of installation. Otherwise, the warranty reverts to the standard 5-Year parts limited warranty.

Acclimate™ Series AVC, MVC Premium Air Handling Units 208/230-1-60

MODEL	NOMINAL CAPACITY (TONS)*	NOMINAL CFM	ELECTRIC AVAILABLE (KW)	DIMENSIONS (INCHES)				SUPPLY PLENUM (INCHES)	FILTER (INCHES)	SHIPPING/ OPERATING WEIGHT (LBS)
				H	W	D (CASING)	D (W/ DOORS)			
AVC18B21	1.5	600	2, 5, 8, 10	41	17-1/2	20-1/2	21-1/2	12-3/16 x 16-1/2	16 x 20 x 1	91/85
AVC24B21	2	800	2, 5, 8, 10, 13	41	17-1/2	20-1/2	21-1/2	12-3/16 x 16-1/2	16 x 20 x 1	93/87
AVC30B21	2.5	1000	2, 5, 8, 10, 13, 15	47-1/2	17-1/2	20-1/2	21-1/2	12-3/16 x 16-1/2	16 x 20 x 1	119/113
AVC36B21	3	1200	2, 5, 8, 10, 13, 15, 18, 20	47-1/2	17-1/2	20-1/2	21-1/2	12-3/16 x 16-1/2	16 x 20 x 1	119/113
AVC36C21	3	1200	2, 5, 8, 10, 13, 15, 18, 20	51-1/2	21	20-1/2	21-1/2	12-3/16 x 20	20 x 20 x 1	120/114
AVC42C21	3.5	1400	2, 5, 8, 10, 13, 15, 18, 20	51-1/2	21	20-1/2	21-1/2	12-3/16 x 20	20 x 20 x 1	144/136
AVC48C21	4	1525	2, 5, 8, 10, 13, 15, 18, 20	51-1/2	21	20-1/2	21-1/2	12-3/16 x 20	20 x 20 x 1	158/150
AVC60C21	5	1600	2, 5, 8, 10, 13, 15, 18, 20	55-1/2	24-1/2	20-1/2	21-1/2	12-3/16 x 20	20 x 20 x 1	156/146
AVC48D21	4	1750	2, 5, 8, 10, 13, 15, 18, 20, 25	55-3/4	21	20-1/2	21-1/2	12-3/16 x 23-1/2	22 x 20 x 1	163/153
AVC60D21	5	1800	2, 5, 8, 10, 13, 15, 18, 20, 25	55-1/2	24-1/2	20-1/2	21-1/2	12-3/16 x 23-1/2	22 x 20 x 1	180/170
MVC08BN21	2	800	2, 5, 8, 10, 13	21-1/2	17-1/2	20-1/2	21-1/2	12-3/16 x 16-1/2	16 x 20 x 1	52/51
MVC12BN21	3	1200	2, 5, 8, 10, 13, 15, 18, 20	21-1/2	17-1/2	20-1/2	21-1/2	12-3/16 x 16-1/2	16 x 20 x 1	52/51
MVC14DN21	3.5	1400	2, 5, 8, 10, 13, 15, 18	22-1/2	24-1/2	20-1/2	21-1/2	12-3/16 x 23-1/2	22 x 20 x 1	75/74
MVC16CN21	4	1600	2, 5, 8, 10, 13, 15, 18, 20	22-1/2	21	20-1/2	21-1/2	12-3/16 x 20	20 x 20 x 1	68/67
MVC20DN21	5	1800	2, 5, 8, 10, 13, 15, 18, 20, 25	22-1/2	24-1/2	20-1/2	21-1/2	12-3/16 x 23-1/2	22 x 20 x 1	75/74



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