

AL21-VARIABLE CAPACITY AIR CONDITIONER

MODEL	TONS	SEER	EER	H	W	D
AL21B2421S	2.0	21.0	14.5	40-1/4	32	35-1/2
AL21B3621S	3.0	20.0	13.5	40-1/4	32	35-1/2
AL21B4821S	4.0	20.0	13.0	43-1/4	34-1/2	38-1/4
AL21B6021S	5.0	20.5	13.0	46-1/2	34-1/2	38-1/4

HL20-VARIABLE CAPACITY HEAT PUMP

MODEL	TONS	SEER*	HSPF	H	W	D
HL2024B21SA	2.0	20.0	11.0	40-1/4	32	35-1/2
HL2036B21SA	3.0	20.0	11.0	40-1/4	32	35-1/2
HL2048B21SA	4.0	20.0	10.5	46-1/2	34-1/2	38-1/4
HL2060B21SA	5.0	19.8	10.5	46-1/2	34-1/2	38-1/4

*DTC

AVV-VARIABLE SPEED AIR HANDLER WITH FACTORY MOUNTED EEV

MODEL	TONS	NOMINAL CFM	H	W	D (CASING)	D (W/DOORS)
AVV25BE121	2.0	800	47-1/2	17-1/2	20-1/2	21-1/2
AVV37BE221	3.0	1,200	47-1/2	17-1/2	20-1/2	21-1/2
AVV37CE221	3.0	1,200	51-1/2	21	20-1/2	21-1/2
AVV38CE221	3.0	1,200	55-3/4	21	20-1/2	21-1/2
AVV49CE321	4.0	1,600	55-3/4	21	20-1/2	21-1/2
AVV49DE321	4.0	1,600	51-1/2	24-1/2	20-1/2	21-1/2
AVV50CE321	4.0	1,600	60	21	20-1/2	21-1/2
AVV50DE321	4.0	1,600	60	24-1/2	20-1/2	21-1/2
AVV61CE421	5.0	1,800	60	21	20-1/2	21-1/2
AVV61DE421	5.0	1,800	60	24-1/2	20-1/2	21-1/2

MVC-VARIABLE SPEED MODULAR AIR HANDLER

MODEL	TONS	NOMINAL CFM	H	W	D (CASING)	D (W/DOORS)
MVC08BN21	2.0	800	21-1/2	17-1/2	20-1/2	21-1/2
MVC12BN21	3.0	1,200	21-1/2	17-1/2	20-1/2	21-1/2
MVC14DN21	3.5	1,400	22-1/2	24-1/2	20-1/2	21-1/2
MVC16CN21	4.0	1,600	22-1/2	21	20-1/2	21-1/2
MVC20DN21	5.0	1,800	22-1/2	24-1/2	20-1/2	21-1/2

Momentum™ Series Variable Capacity Systems require a CM-E coil match with MVC Air Handler.

TP9C-UP TO 98% AFUE MODULATING GAS FURNACE

MODEL	INPUT MBH HIGH	OUTPUT MBH HIGH	AFUE %	CFM	H	W	D
TP9C060B12MP13C	60	58	97.5	1,200	33	17-1/2	30-1/4
TP9C080B12MP13C	80	77	97.5	1,200	33	17-1/2	30-1/4
TP9C080C16MP13C	80	78	97.7	1,600	33	21	30-1/4
TP9C100C16MP13C	100	97	97.7	1,600	33	21	30-1/4
TP9C100C20MP13C	100	97	97.7	2,000	33	21	30-1/4
TP9C120D20MP13C	120	116	98.0	2,000	33	24-1/2	30-1/4

Momentum™ Series Variable Capacity Systems require a CM coil match with TP9C Furnace.

TPLC-80% AFUE MODULATING GAS FURNACE

MODEL	INPUT MBH HIGH	OUTPUT MBH HIGH	AFUE %	CFM	H	W	D
TPLC060A12MP12C	60	47	80	1,200	33	14-1/2	30-1/4
TPLC080B12MP12C	80	62	80	1,200	33	17-1/2	30-1/4
TPLC080C16MP12C	80	62	80	1,600	33	21	30-1/4
TPLC100C16MP12C	100	78	80	1,600	33	21	30-1/4
TPLC100C20MP12C	100	78	80	2,000	33	21	30-1/4
TPLC120C20MP12C	120	95	80	2,000	33	21	30-1/4

Momentum™ Series Variable Capacity Systems require a CM coil match with TPLC Furnace.

CM-MULTI-POSITION CASED COILS WITH FACTORY MOUNTED EEV

MODEL	TONS	H	W	D
CM25BE1A1	2.0	25-5/8	17-1/2	20-1/2
CM37BE2A1	3.0	25-5/8	17-1/2	20-1/2
CM37CE2A1	3.0	25	21	20-1/2
CM38BE2A1	3.0	25-5/8	17-1/2	20-1/2
CM49CE3A1	4.0	33	21	20-1/2
CM49DE3A1	4.0	32-3/4	24-1/2	20-1/2
CM50CE3A1	4.0	37-1/4	21	20-1/2
CM50DE3A1	4.0	37-1/4	24-1/2	20-1/2
CM61CE4A1	5.0	37-1/4	21	20-1/2
CM61DE4A1	5.0	37-1/4	24-1/2	20-1/2



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CHAMPION® MOMENTUM™ VARIABLE CAPACITY RESIDENTIAL SYSTEMS
COMFORT WITHOUT COMPROMISE.

GAME ON.

Sweltering heat. Sub-zero wind chills. When the weather gets extreme, or your life becomes more mobile, it's "game on" with **Champion® Momentum™ Variable Capacity Residential Systems**. Home heating and air conditioning is now smarter, more connected, more efficient and more reliable than ever before. It's home comfort that operates at peak performance – and keeps you in control – right when you need it.



COMFORT WITHOUT COMPROMISE.

Champion® Momentum™ Variable Capacity Residential Systems are designed for living. So when the weather gets extreme, you'll never need to compromise.

COMFORT HERE, THERE, EVERYWHERE, FOR EVERYONE

The Champion® Wi-Fi-enabled Hx™3 Communicating Zoning system matched with our Momentum™ 2-Stage or Variable Capacity communicating systems lets you control individual temperatures in up to eight different zones in your home. This smart, connected system meets the comfort needs of everyone in the house. And saves money on energy while providing comfort control at your fingertips. Plus, the Hx App lets you monitor and control system settings from any web-enabled mobile device.



A PROMISE OF QUALITY

Our promise of quality is uncompromising. That's why Champion® residential systems are designed, engineered and assembled in the United States. Champion® Momentum™ outdoor units are also backed by an unmatched, limited 1-year labor warranty, lifetime compressor and 10-year parts limited warranties on registered products.

THE NEW CHAMPION® MOMENTUM™

Variable Capacity Residential Systems raise the bar in home comfort performance, control and quality. Because in our quest to make home comfort that delivers peak performance while keeping you in complete control, we examined every detail that matters to you. The result is a home comfort system that changes the game: Champion® Momentum™ Variable Capacity Residential Systems.



MOMENTUM™ SERIES AVV AND MVC AIR HANDLERS

The most comfortable, most efficient air handlers.

- Variable-speed technology circulates air more quietly and more precisely, dynamically adjusting capacity and airflow to accurately match changing comfort needs for maximum comfort and minimized power consumption. They also happen to use up to 80% less electricity than the conventional PSC blowers typically found in base model air handling units.
- Exclusive MaxAlloy™ corrosion-resistant aluminum coils with a system-matched Electronic Expansion Valve (EEV) provide corrosion resistant and efficient heat exchange. In addition, they use low water retention, corrosion-resistant drain pans to prevent the formation or collection of bacteria, mold or other airborne irritants.
- EnviroTrak™ technology allows blower settings to be customized for different comfort needs.
- As part of a complete Momentum™ communicating system, performance and efficiency are optimized via an easy connection to our Champion® Hx™3 Communicating Zoning System.
- Low-air-leakage cabinets (less than 2.0% leakage when tested at 1.0" Esp.) minimize loss and infiltration compared to typical cabinet designs. These compact cabinets are only 20.5" deep, and feature an automotive-grade powder coat finish to ensure they'll look great for years.

MOMENTUM™ SERIES TP9C AND TPLC FURNACES

Setting new standards for high efficiency.

- Modulating burner design and variable-speed ECM blower motor work in conjunction to provide more even, more efficient air circulation that is also quieter in operation.
- Installation-friendly features include a compact 33" height, reinforced cabinet doors, quarter-turn knobs and a rotatable inducer for top or side venting to accommodate installation in every application.
- Model TP9C gas furnace models have a 97.5 - 98% AFUE rating and are ENERGY STAR® certified.
- EnviroTrak™ technology allows the blower operation to be fine-tuned for every installation, whether to compensate for humid or arid environments or to maximize the use of additional air quality accessories.
- A patented, 4-way drain connection with built-in trap allows condensation to drain in horizontal, up- or down-flow applications without impeding access to the blower or restricting air flow through the filter.
- Robust, time-tested construction is backed by a 10-year Complete Assurance™ Warranty Pledge: With proper registration, if the heat exchanger fails within 10 years of installation, we provide optional furnace replacement in lieu of replacing the heat exchanger.



MOMENTUM™ SERIES AL21 AIR CONDITIONER AND HL20 HEAT PUMP

No-compromise home comfort through advanced technology.

- Advanced design dynamically adjusts capacity and airflow to precisely match changing comfort needs for maximum comfort and minimized power consumption. In fact, these ENERGY STAR® Most Efficient qualified models can cut energy costs by as much as 50% compared to older 10 SEER units.
- An Innovative ShadowDrive™ Sound Reduction system includes swept-wing fan, composite base pan and sound containment cloak to reduce sound levels to no more than a typical residential dishwasher.
- Convenient Climate Mark™ technology provides a selection of preconfigured operating profiles to optimize the system for operation in your specific climate.
- Advanced Charge Guard™ charge monitoring provides a direct readout of the high and low system pressures and the suction and liquid line temperatures while also calculating system superheat and system sub-cooling. This helps ensure the system is properly optimized for faster installation and service, maximized service life and added peace-of-mind.
- AL21 and HL20 units feature an unmatched limited 1-year labor warranty, lifetime compressor and 10-year parts limited warranties on registered outdoor units.



CHAMPION® HX™3 COMMUNICATING ZONING SYSTEM

The ideal solution for the smart, sophisticated home.

- Up to 8 zones of custom "temperature and humidity" control. Allows for precision comfort throughout the home.
- With homeowner's permission, the contractor can remotely monitor the system to streamline maintenance and maintain efficiency
- WiFi communication for ease of use and comfort control – at your fingertips – at home or away
- 5-year Parts Limited Warranty
- Over-the-air system updates
- Compatible with Amazon Alexa and Apple Watch®
- The HX™3 Communicating Zone system includes: Zone module, Main Controller, and three options for your zone control solution: Zone Thermostat, Compact Zone Thermostat, and Zone Sensor.



Optional system-matched humidifiers, dehumidifiers, germ-killing UVC lighting, and high-efficiency, MERV 16 rated filtration provides a superior level of indoor air quality and freedom from airborne contaminants. Because true comfort is more than just temperature. It's safety and security.