

INTRODUCING YORK® AFFINITY™ VARIABLE CAPACITY RESIDENTIAL SYSTEMS

 **YORK**®  
INSTALL CONFIDENCE



# LIFE BY YOU COMFORT BY YORK®

The definition of home comfort has changed. With the **YORK® Affinity™ Variable Capacity Residential Systems**, home heating and air conditioning is smarter, more connected, more efficient and more reliable than ever before. It's home comfort built for the way you live. And it's a new way of thinking that can only be found in these groundbreaking YORK® systems:

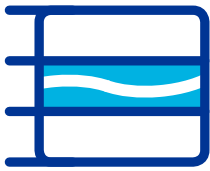
- Affinity™ Series YXV air conditioner and YZV heat pump
- Affinity™ Series YP9C and YPLC furnaces
- Affinity™ Series AVV and MVC air handlers with CM coils
- Affinity™ Hx™ Touch-screen Thermostat

YORK® Affinity™ Variable Capacity Residential Systems are the first of their kind. And home comfort will never be the same.









## PRECISE

### Variable Capacity Means Consistent Comfort

Even, consistent comfort without the temperature swings associated with typical, staged heating and air conditioning systems. That's just one benefit of YORK® Affinity™ Variable Capacity System. It dynamically controls the compressor, outdoor fan and indoor blower to maximize comfort while minimizing both power consumption and sound. The steady, near-silent operation of a YORK® Affinity™ system is so smart and makes you so comfortable, you may not even realize it's running.

## INTELLIGENT

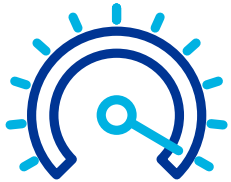
### Advanced Monitoring is Built-In

YORK® Affinity™ Variable Capacity Systems are the first, high-efficiency residential split systems to feature built-in *Charge Assurance™* monitoring to provide your contractor with all the information they need to evaluate the system charge without connecting gauges, sensors or accessories. The result is faster system set-up, more efficient routine maintenance and maximized service life. This self-monitoring system also notifies you – and your servicing contractor, if desired – of any issue that may require attention and helps your contractor address them more quickly. Self-monitoring – now that's smart *and* efficient.

## CONNECTED

### Control is in Your Hands

As part of a complete YORK® Affinity™ system, our Wi-Fi®-enabled Affinity™ Hx™ Touch-screen Thermostat provides the ability to monitor and control system settings from anywhere in the world with internet access. It's a system so smart, it can notify you of an emerging issue before your comfort is interrupted. An easy-to-use interface available through your smart device gives total control over all this functionality. In addition, Affinity™ Series communicating outdoor units integrate with our Affinity™ Hx™ Touch-screen Thermostat and a communicating indoor unit to provide easier troubleshooting and superior performance. It's complete control at the touch of a finger.



## EFFICIENT

### Not Just Efficient – MOST Efficient

Thanks to inverter-driven, variable capacity technology and advanced system optimization, YORK® Affinity™ Series YXV air conditioners and YZV heat pumps are the most efficient in the entire YORK® product lineup: up to 20 SEER rated and ENERGY STAR® Most Efficient certified. That means you could cut energy costs as much as 50% versus older, 10 SEER units. And your new YORK® Affinity™ system may also qualify for a utility rebate worth hundreds of dollars. These systems are so advanced, they automatically adjust to precisely meet your exact comfort needs.

## WORRY-FREE

### One Less Thing to Think About

YORK® Affinity™ systems have been subjected to over 20 years of accelerated operational testing for weather, humidity and temperatures down to -10°F. These industry-leading trials are backed by the same quality control processes used by Johnson Controls, an advanced manufacturing leader, to help ensure world-class quality and lasting performance. And with your permission, a dedicated app can even allow your dealer to monitor and diagnose your system remotely to provide additional peace-of-mind. It's advanced technology built with quality you won't have to think about.



## INTEGRATED

### A New Level of Comfort

YORK® Affinity™ Variable Capacity Residential Systems bring together state-of-the-art technology with carefully matched equipment to deliver an unparalleled combination of precision and efficiency. Optional system-matched humidifiers, dehumidifiers, germ-killing UVC lighting, and high-efficiency, MERV 16 rated filtration provides a superior level of air quality and freedom from airborne contaminants. Because true comfort is more than just temperature.







# THIS IS COMFORT BY YORK®.

## Assurances That Lead the Industry

Comfort is more than a feeling – it’s a promise. YORK® residential systems are designed, engineered and assembled in the United States. They have earned Good Housekeeping Seal of Approval accolades, and our Affinity™ Series YP9C gas furnace has been recognized as a *Consumers Digest* Best Buy. YORK® Affinity™ outdoor units are also backed by an unmatched, limited 1-year labor warranty, lifetime compressor and 10-year parts limited warranties on registered products. With a YORK® Affinity™ system, confidence comes standard.

## Technology Made Personal

Imagine a system that comes with preconfigured operating profiles based on the climate where you live, giving the contractor the ability to quickly adjust the system for your specific needs. We call that innovative technology *Climate Set™*, and it can only be found in new YORK® Affinity™ outdoor heat pump and air conditioner

units. Another feature that helps your installer tailor the system to your location is *ClimaTrak™*, which allows further fine-tuning of the blower operation for specific applications. And because we believe your new YORK® Affinity™ system should be felt, not heard, our *QuietDrive™* suite of engineered sound-defeating technologies reduces outdoor operating sound levels to no more than a typical kitchen dishwasher. These are just a few of the ways the YORK® Affinity™ system has been designed to make home comfort more personal than ever before.

The new YORK® Affinity™ Variable Capacity Residential Systems raise the bar in home comfort performance, control and quality. Because in our quest to make home comfort more personal – and more practical – we examined every detail that matters to you. And then we went to work. The result is a new definition of home comfort: YORK® Affinity™ Variable Capacity Residential Systems. It’s comfort by YORK®, made for you.



## AFFINITY™ SERIES YXV AIR CONDITIONER AND YZV HEAT PUMP

### Redefining home comfort through cutting-edge 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 *QuietDrive™* Sound Reduction system includes swept-wing fan, composite base pan and sound containment cloak to reduce sound levels to no more than a typical kitchen dishwasher.
- Advanced *Climate Set™* technology provides a selection of a preconfigured operating profiles to optimize the system for operation in your specific climate.
- Exclusive *Charge Assurance™* 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.
- YXV and YZV units feature an unmatched 1-year limited labor warranty, lifetime compressor and 10-year parts limited warranties on registered outdoor units.



## AFFINITY™ SERIES AVV AND MVC AIR HANDLERS

### The most comfortable, most efficient air handlers we make.

- 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.
- *ClimaTrak™* technology allows blower settings to be customized for different comfort needs.
- As part of a complete Affinity™ communicating system, performance and efficiency are optimized via an easy connection to our YORK® Affinity™ Hx™ Thermostat.
- Exclusive MaxAlloy™ corrosion-resistant aluminum coils with a system-matched Electronic Expansion Valve (EEV) provide efficient airflow and heat exchange. In addition, they use low-retention, corrosion-resistant drain pans to prevent the formation or collection of bacteria, mold or other airborne irritants.
- 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.





## AFFINITY™ SERIES YP9C AND YPLC FURNACES

### A higher standard 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 optional air quality features.
- Model YP9C condensing-type gas furnace units are above 95% AFUE and up to 98% on modulating units, are ENERGY STAR® certified and have earned a *Consumers Digest* Best Buy recommendation.
- *ClimaTrak™* technology allows the blower operation to be fine-tuned for every installation, whether to compensate for arid environments or to maximize the use of additional air quality accessories.
- A patented, 3-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 airflow 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 heat exchanger equipment.



## AFFINITY™ Hx™ TOUCH-SCREEN THERMOSTAT

### Complete control, anywhere you go.

- As part of a complete system, the Wi-Fi®-enabled YORK® Affinity™ Hx™ Touch-screen Thermostat provides precision comfort with ability to monitor and control the system using a smart device from anywhere in the world with internet access.
- Downloadable app with a proprietary interface provides intuitive, easy-to-use control.
- Over-the-air updates ensure the system is always up-to-date.
- Programmable reminders and selectable operating modes allow you to customize your system for more personalized comfort and maximized efficiency.
- A selectable auto-humidity feature sets itself based on variances between indoor and outdoor conditions.
- Optional alerts can notify you anytime an emerging or immediate service need is identified.
- With your permission, a dedicated app can allow your dealer to remotely monitor the system for alerts, view system diagnostics and even make any necessary operating adjustments – providing an all new level of personalized service and support.
- Engineered by the experts at YORK® to provide ENERGY STAR® Most Efficient performance when connected to a YORK® Affinity™ Variable Capacity Residential System.

### YXV-VARIABLE CAPACITY AIR CONDITIONER

MODEL	TONS	SEER	EER	H	W	D
YXV24B21SA	2.0	19.25	13.5	40-1/4	32	35-1/2
YXV36B21SA	3.0	19.0	13.0	40-1/4	32	35-1/2
YXV48B21SA	4.0	19.5	12.5	43-1/4	34-1/2	38-1/4
YXV60B21SA	5.0	20.0	12.5	46-1/2	34-1/2	38-1/4

### YZV-VARIABLE CAPACITY HEAT PUMP

MODEL	TONS	SEER	HSPF	H	W	D
YZV24B21SA	2.0	19.5	11.0	40-1/4	32	35-1/2
YZV36B21SA	3.0	19.8	10.2	40-1/4	32	35-1/2
YZV48B21SA	4.0	19.7	10.2	46-1/2	34-1/2	38-1/4
YZV60B21SA	5.0	18.5	10.2	46-1/2	34-1/2	38-1/4

### 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
AVV38BE221	3.0	1,200	51-1/2	17-1/2	20-1/2	21-1/2
AVV38CE221	3.0	1,200	55-3/4	17-1/2	20-1/2	21-1/2
AVV49CE321	4.0	1,600	55-3/4	17-1/2	20-1/2	21-1/2
AVV49DE321	4.0	1,600	55-1/2	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

Affinity™ Series Variable Capacity Systems require a CM coil match with MVC Air Handler.

### YP9C-UP TO 98% AFUE MODULATING GAS FURNACE

MODEL	INPUT MBH HIGH	OUTPUT MBH HIGH	AFUE %	CFM	H	W	D
YP9C060B12MP12C	60	58	97.5	1,200	33	17-1/2	30-1/4
YP9C080B12MP12C	80	77	97.5	1,200	33	17-1/2	30-1/4
YP9C080C16MP12C	80	78	97.7	1,600	33	21	30-1/4
YP9C100C16MP12C	100	97	97.7	1,600	33	21	30-1/4
YP9C100C20MP12C	100	97	97.7	2,000	33	21	30-1/4
YP9C120D20MP12C	120	116	98.0	2,000	33	24-1/2	30-1/4

Affinity™ Series Variable Capacity Systems require a CM coil match with YP9C Furnace.

### YPLC-80% AFUE MODULATING GAS FURNACE

MODEL	INPUT MBH HIGH	OUTPUT MBH HIGH	AFUE %	CFM	H	W	D
YPLC060A12MP12C	60	47	80	1,200	33	14-1/2	30-1/4
YPLC080B12MP12C	80	62	80	1,200	33	17-1/2	30-1/4
YPLC080C16MP12C	80	62	80	1,600	33	21	30-1/4
YPLC100C16MP12C	100	78	80	1,600	33	21	30-1/4
YPLC100C20MP12C	100	78	80	2,000	33	21	30-1/4
YPLC120C20MP12C	120	95	80	2,000	33	21	30-1/4

Affinity™ Series Variable Capacity Systems require a CM coil match with YPLC 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	27-1/4	24-1/2	20-1/2
CM61CE4A1	5.0	37-1/4	20	20-1/2
CM61DE4A1	5.0	37-1/4	24-1/2	20-1/2



The YORK® Affinity™ Series YP9C modulating gas furnace received the Consumers Digest Best Buy Award.

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AFFINITY™  
HIGH EFFICIENCY



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Visit [YORK.com](http://YORK.com) to learn more about how  
YORK® Affinity™ Variable Capacity Residential Systems  
are changing everything about home comfort.

