



CHARGED WITH
R-454B
REFRIGERANT

Signature Series TruInverter[®] Split Heat Pump System

MCAESHV*BA, MCAEAMPVT*BA



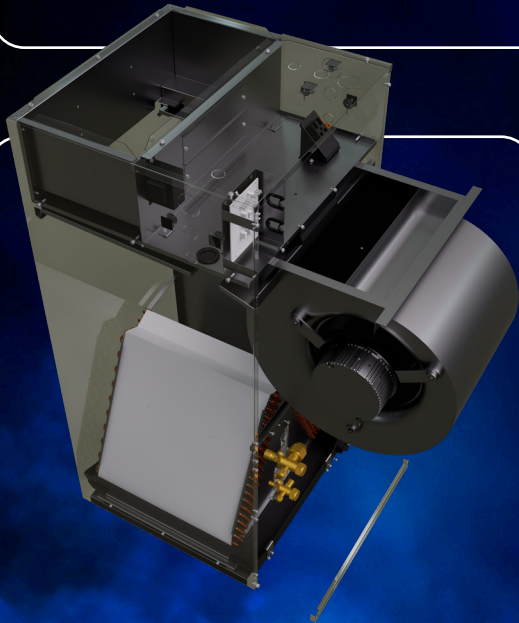
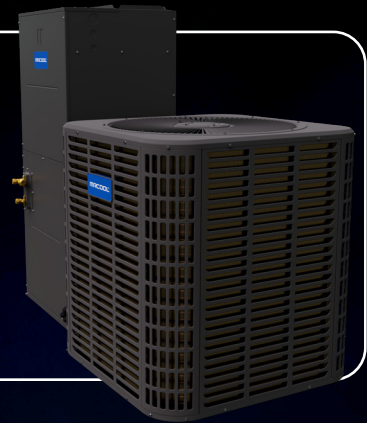
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Power Up Your Comfort.

Master Your Climate with the Signature Series TruInverter® Split Heat Pump System

Power up your air with the ultimate blend of high-efficiency performance and rugged reliability. Whether you are facing a heatwave or a deep freeze, the Signature Series TruInverter® system is engineered to keep your home and your family perfectly comfortable.



Maintenance Without the Headache

Fast Service: Features like a slide-out blower and easy-access core parts make maintenance quick and simple.

Tool-Free Filters: Easily remove and clean filters using manual-twist screws—no special tools needed. *Filter is not included.*

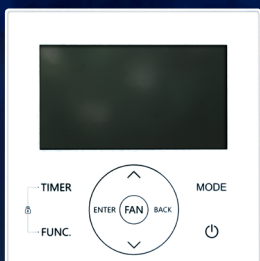
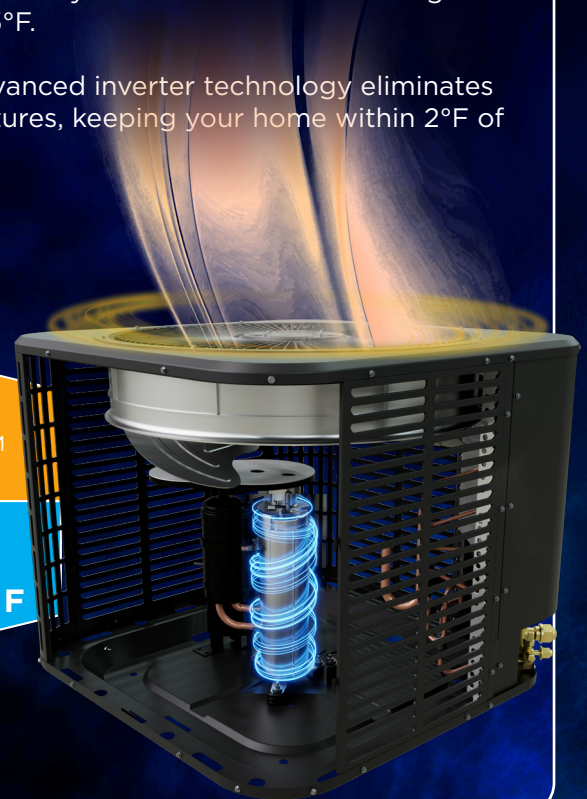
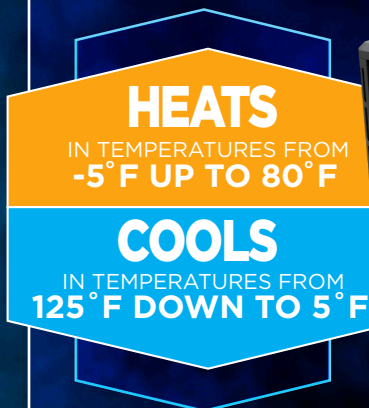
Smart Diagnostics: Integrated intelligent error codes help you identify issues before a technician even arrives.

Any Weather, Total Comfort

Beating the Heat: Enjoy powerful cooling even when outdoor temperatures soar to 125°F.

Conquering the Cold: Stay warm with reliable heating that performs down to -5°F.

Precise Control: Advanced inverter technology eliminates fluctuating temperatures, keeping your home within 2°F of your perfect setting.



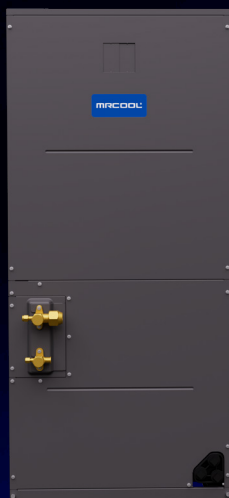
Signature Series TruInverter® Wired Controller

Elevate your home comfort with the optional Signature Series wall-mounted interface.

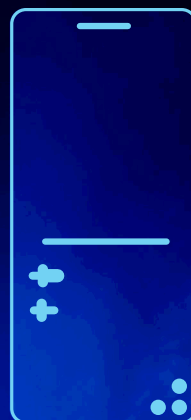
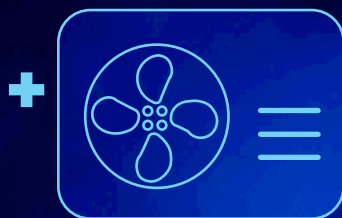
- **Precise Control:** High-accuracy adjustments at your fingertips.
- **Sleek Design:** A modern, low-profile aesthetic for any room.

- **Intuitive Interface:** Advanced system management made simple.
- **Enhanced Visibility:** Total clarity over your home's climate settings.

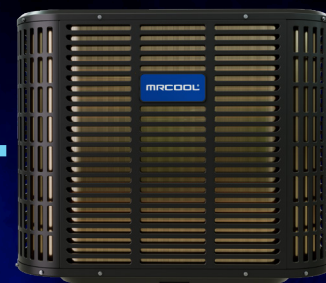
Ultimate "Free Match" Versatility Offers Universal Compatibility



Our "Free Match" technology works seamlessly with 3rd-party indoor units, outdoor units, and standard 24V thermostats.

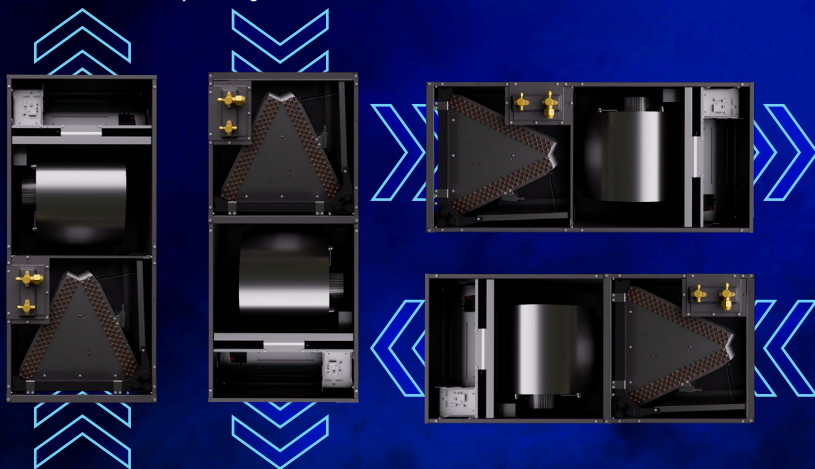


Simple Setup:
Pairs with most 3rd party 24v thermostats.



Simple Setup: No complex communication wiring is required between units, allowing for a faster, hassle-free installation.

Fits Any Space: The flexible 4-way installation (Up, Down, Left, or Right) ensures this system fits perfectly into your home's unique layout.



Eco-Friendly & Highly-Efficient

Green Performance: Upgrade to R454B, one of the safest and most environmentally friendly refrigerants available today.

Low Impact: Benefit from a Global Warming Potential (GWP) of just 467—significantly cleaner than traditional R410A systems.

Save More: Achieve peak efficiency with ratings up to 19 SEER2.

Optional MRCOOL® No Vac® Quick Connect® Line Set

No matter which MRCOOL® Signature Series TruInverter® condenser you choose, they're all compatible with the optional No Vac® Quick Connect® Line Sets and coupler kits, making installation smoother and quicker.

Line sets are not included with MRCOOL® Signature Series TruInverter® systems. They are available for purchase separately.



MRCOOL® Signature Series TruInverter®
Systems represent a new era in climate
control, combining high-efficiency inverter
technology with rugged reliability for
extreme environments.



SPECIFICATIONS

SIGNATURE SERIES TruInverter® SYSTEM

INDOOR UNIT MODEL NO.		Unit	MCAEAMPVT24D21BA	MCAEAMPVT36D21BA	MCAEAMPVT48F21BA	MCAEAMPVT60F21BA
OUTDOOR UNIT MODEL NO.		Unit	MCAESHV8T2421BA	MCAESHV9T3621BA	MCAESHV8T4821BA	MCAESHV7T6021BA
CAPACITY & PERFORMANCE						
Power Supply		V-Hz-Ph	208/230 - 60, 1	208/230 - 60, 1	208/230 - 60, 1	208/230 - 60, 1
Cooling Capacity		Btu/h	24000	34000	47000	53000
Cooling Capacity Range		Btu/h	7000-25000	8000-36000	9000-48000	9400-53000
	SEER2	Btu/w	18.0	19.0	18.0	17.0
	EER2	Btu/w	10.0	10.0	9.0	7.5
Heating Capacity (47F/8.3C)		Btu/h	24000	36000	47000	53000
Heating Capacity (17F/-8.3C)		Btu/h	18500	25000	35000	38000
	HSPF2-4	Btu/w	9.0	9.0	8.5	8.2
	COP2 (47F/8.3C)	W/W	3.2	3.5	3.2	3.2
	Max. Heating Capacity (5F/-15F)	W/W	18000	26000	33000	35000
External Static Pressure		in.w.c.	0.8	0.8	0.8	0.8
Indoor Sound Pressure Level		dB(A)	57	58	60	62
Outdoor Sound Pressure Level		dB(A)	67	68	70	70
Indoor Airflow Volume		CFM	850	1150	1600	1700
ELECTRICAL						
Indoor Min. Circuit Ampacity		A	5	5	7	7
Indoor Max. Current Over Protection		A	15	15	15	15
Outdoor Min. Circuit Ampacity		A	16	22	35	35
Outdoor Max. Current Over Protection		A	25	35	60	60
DIMENSIONS & WEIGHT						
Indoor Net Dimension (WxHxD)	inch		21" x 46.5" x 21"	21" x 46.5" x 21"	24.5" x 56" x 21"	24.5" x 56" x 21"
	mm		533 x 1180 x 533	533 x 1180 x 533	622 x 1422 x 533	622 x 1422 x 533
Indoor Packaging Dimension (WxHxD)	inch		22.75" x 52.5" x 26.33"	22.75 x 52.5 "x26.33"	28.66" x 62" x 27"	28.66" x 62" x 27"
	mm		578 x 1333 x 668	578 x 1333 x 668	727 x 1582 x 688	727 x 1582 x 688
Indoor Weight Net/Gross	lbs		126.8/162	126.8/162	161/204	161/204
	kg		57.5/73.5	57.5/73.5	73/92.5	73/92.5
Outdoor Net Dimension (WxHxD)	inch		29.12" x 24.93" x 29.12"	29.12" x 24.93" x 29.12"	29.12" x 33.18" x 29.12"	29.12" x 33.18" x 29.12"
	mm		740 x 633 x 740	740 x 633 x 740	740 x 843 x 740	740 x 843 x 740
Outdoor Packaging Dimension (WxHxD)	inch		30.25" x 31.25" x 30.25"	30.25" x 31.25" x 30.25"	30.25" x 39.5" x 30.25"	30.254" x 39.52" x 30.25"
	mm		767 x 794 x 767	767 x 794 x 767	767 x 1003 x 767	767 x 1003 x 767
Outdoor Weight Net/Gross	lbs		137/159	146/176	190/220	190/220
	kg		58/72	66/80	86/100	86/100
REFRIGERANT						
Pre-Charged refrigerant type	Type		R454B	R454B	R454B	R454B
	oz		75.84	100.53	141.092	141.09
	g		2150	2850	4000	4000

**All specifications are preliminary and subject to change during mass production.*