

 **MRCOOL**<sup>®</sup>  
COMFORT MADE SIMPLE

# Signature Series

**R-454B**  
COMPATIBLE

## Multi-Position Air Handler

**Designed to perform in any season**, this Multi-Position Air Handler provides reliable, energy-efficient climate control for today's modern homes. Now upgraded with environmentally friendly R-454B refrigerant, this system meets today's energy-efficiency expectations while helping reduce your carbon footprint—and your energy bills.

When it comes to smart control, this Signature Series Air Handler integrates effortlessly with most third-party smart thermostats and HVAC controls, giving you full freedom to customize your indoor climate.

Its adaptable, multi-position design allows for upflow, downflow, or horizontal installation, offering maximum flexibility to fit a variety of home layouts. From narrow utility closets to attics and crawl spaces, the unit's sleek, space-saving profile makes it ideal for tight spaces without sacrificing performance. When matched with a compatible heat pump or condenser, this air handler delivers year-round comfort with dependable heating and cooling power.



- ✓ Low GWP
- ✓ 10-Year Limited Warranty\*
- ✓ Copper A-Coil
- ✓ Aluminum Fins
- ✓ Compact, Lightweight Cabinet



# SPECIFICATION

# SIGNATURE SERIES MULTI-POSITION AIR HANDLER

MODEL NO.	UNITS	MCAEAMPSF18C21AA	MCAEAMPSF24C21AA	MCAEAMPEF30C21AA	MCAEAMPEF36C21AA	MCAEAMPEF42C21AA	MCAEAMPEF48E21AA	MCAEAMPEF60E21AA
<b>ELECTRICAL PARTS</b>								
Rated Voltage	(V-Hz,Ph)	208/230-60,1	208/230-60,1	208/230-60,1	208/230-60,1	208/230-60,1	208/230-60,1	208/230-60,1
Min. Current Ampacity (MCA)	A	2.1	2.4	4.5	4.5	7.2	7.2	7.2
Max. Current Over Protection (MOP)	A	3	3	6	6	10	10	10
<b>MOTOR</b>								
Type		PSC	PSC	ECM	ECM	ECM	ECM	ECM
Capacitor	uF	6	10	/	/	/	/	/
Rated Horse Power		1/4	1/3	1/2	1/2	3/4	3/4	3/4
Rated RPM	r/min	830	910	960	1000	1040	1010	1010
<b>BLOWER</b>								
Diameter	inch	11	11	11	11	11	11	11
Width	inch	11	11	11	11	11	11	11
Indoor Air Flow	CFM	749	761	983	1131	1254	1549	1549
Sound Level	dB(A)	53	53	53	55	54	57	57
<b>DIMENSIONS &amp; WEIGHT</b>								
Net Dimension (WxHxD)	inch	19.6 x 45.75 x 22	19.6 x 45.75 x 22	19.6 x 45.75 x 22	19.6 x 45.75 x 22	19.6 x 45.75 x 22	22 x 53.12 x 24.5	22 x 53.12 x 24.5
Packing Dimension (WxHxD)	inch	22.8 x 47.6 x 25.6	22.8 x 47.6 x 25.6	22.8 x 47.6 x 25.6	22.8 x 47.6 x 25.6	22.8 x 47.6 x 25.6	27.75 x 54.8 x 25.2	27.75 x 54.8 x 25.23
Net/Gross Weight	lbs	120/133	128/141	129/142	129/142	131/144	163/183	170/190
<b>REFRIGERANT CONNECTION VALVE</b>								
Liquid Side	inch	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Gas Side	inch	3/4	3/4	3/4	3/4	3/4	7/8	7/8



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