

The Midea logo is positioned in the top right corner of the image. It features a blue square background with the word "Midea" in white, sans-serif font. To the left of the text is a white circular icon containing a stylized crescent shape.

Midea COMBO

Heat Pump Water Heater

Up to 75% Energy Saving



Easy-to-install

Built-in Demand Response Port
A CTA-2045 port that fits UCM module is at the top of the unit. Plug a UCM in and realize Demand Response function.

Easy-to-grab Handle
To easily carry around the cylinder.

Convenient Valve Location

Universal Parts

Most key components are universal to 50 Gallon and 80 Gallon.

Magnesium rod	Electric heating tube	Compressor	Main PCB	80 Gallon	50 Gallon
			Fan motor		
			Display board		
			Centrifugal fan		
			Heating element		
			Capacitor		



Garage



Basement



Closet

Top Tier Energy Efficiency

Exceeds CEE Advanced Tier

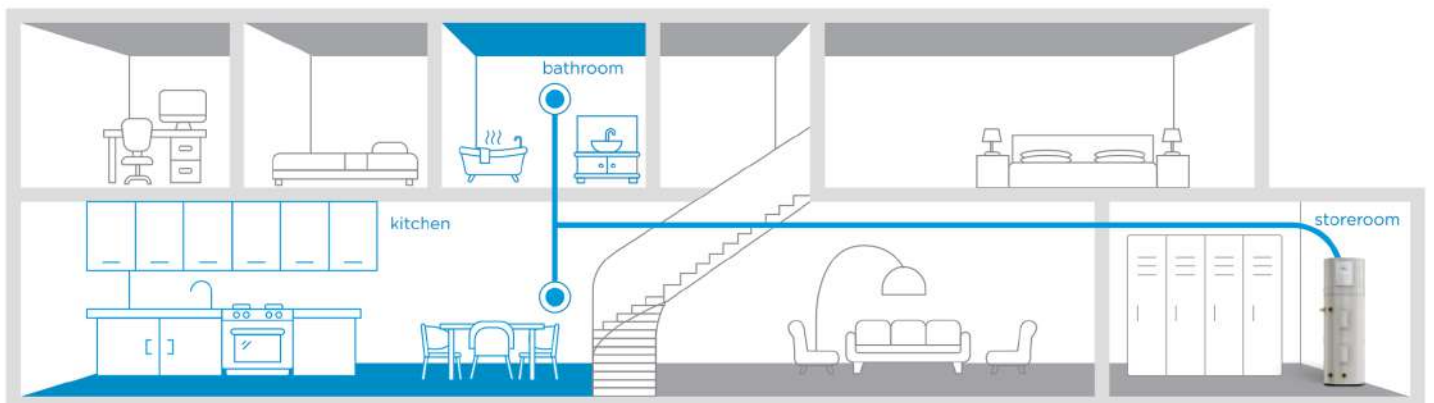


*IRA highest rebate compliance: heat pump water heaters with UEF \geq 3.3 for 240V models

Eligible For Many Rebate Programs



Easy Upgrade Solutions!



How Does It Work?

Uses air source heat transfer

Absorbs the Heat from the Surrounding Air

Transfers the Heat to the Water in the Tank



4 Times

More Energy Efficiency Than Traditional Electric Water Heater

Traditional Electric Water Heater

Power Input
1kW



Heat Output Up to
1kW

Midea Heat Pump Water Heater

Power Input
1kW



Heat Output Up to
4kW

So It Lowers Operating Costs



Up to 75%

Annual Energy Savings



\$700

Slash of Energy Bill

	Annual power consumption	Annual electricity bill
Electric water heater	6740 kWh	943.6\$
Combo	1685 kWh	235.9\$

*Estimated value under specific installation conditions, electricity cost is calculated as US\$0.14/kWh

Meets Diverse Needs

Leakage Detection (Optional)

Main PCB

Leakage prevention algorithm contained.

Leakage Detection sensor

Fix at the bottom of the unit, detect if water is leaking.

Shut-off valve

Automatically close the water inlet valve when water leakage happens. Prevent your house from flooding, protect your carpet and floor.



Air duct adapter (Optional)

Parameter SPECIFICATION SHEET

This specification sheet is based on the ductless version of the appliance.

Description			MAHW-50VNSA	MAHW-65VNSA	MAHW-80VNSA	Description			MCHW-50VNSA	MCHW-65VNSA	MCHW-80VNSA
Description	Model Number		MAHW-50VNSA	MAHW-65VNSA	MAHW-80VNSA	Model Number		MCHW-50VNSA	MCHW-65VNSA	MCHW-80VNSA	
	Normal Gallon Capacity		50	65	80	Normal Gallon Capacity		45	61	74	
Description	Rated Gallon Capacity		47	61	75	Rated Gallon Capacity		47	61	75	
	Voltage		208V/240V, 60Hz, 1Ph			Voltage		208V/240V, 60Hz, 1Ph			
Energy Info	Water Outlet Temperature Range		109°F-149°F(43°C-65°C)			Water Outlet Temperature Range		109°F-149°F(43°C-65°C)			
	Uniform Energy Factor (UEF)		3.75	3.90	4.00	Uniform Energy Factor (UEF)		3.75	3.90	4.00	
Energy Info	First Hour Rating (FHR)		69	80	91	First Hour Rating (FHR)		69	80	91	
	Element Wattage	Upper	4500W(240V)			Element Wattage	Upper	4500W(240V)			
Lower		4800W(240V)			Lower		4500W(240V)				
Energy Info	Compressor capacity		1500W			Compressor capacity		1500W			
	Total Unit Wattage (input)		5500W			Total Unit Wattage (input)		5500W			
Energy Info	Cold Climate Efficiency(CCE)		3			Cold Climate Efficiency(CCE)		3			
	Recovery In G.P.H. 90° Rise		27.5			Recovery In G.P.H. 90° Rise		27.5			
Energy Info	Heat pump ambient operating range		37.7-109.7(3°C-43°C)			Heat pump ambient operating range		37.7-109.7(3°C-43°C)			
	Heating element ambient operating range		57-115.7(-15°C-46°C)			Heating element ambient operating range		57-115.7(-15°C-46°C)			
Features	LED Screen		✓			LED Screen		✓			
	WiFi-Ready		x			WiFi-Ready		x			
Features	Built-in CTA-2045 Port		✓			Built-in CTA-2045 Port		✓			
	Leak Detection		Optional			Leak Detection		Optional			
Features	8" inlet&outlet air duct connection		Optional			8" inlet&outlet air duct connection		Optional			
	Operation Modes		5			Operation Modes		5			
Features	TP Valve installed		✓			TP Valve installed		✓			
	Min. Circuit Amps		23.6A(208V)/26.8A(240V)			Min. Circuit Amps		23.6A(208V)/26.8A(240V)			
Features	Electric Breaker Size		25A(208V)/30A(240V)			Electric Breaker Size		25A(208V)/30A(240V)			
	Replaceable Filter		✓			Replaceable Filter		✓			
Features	Installation Clearance (Back)		0"			Installation Clearance (Back)		0"			
	Installation Clearance (side)		6"			Installation Clearance (side)		6"			
Features	Installation Clearance (top)		20"			Installation Clearance (top)		20"			
	Dry Fire Protection		✓			Dry Fire Protection		✓			
Dimensions	Body Height		66 4/5 inch	65 6/7 inch	74 3/5 inch	Body Height		66 4/5 inch	65 6/7 inch	74 3/5 inch	
	Body Diameter		21 9/10 inch	25 7/10 inch	25 7/10 inch	Body Diameter		21 9/10 inch	25 7/10 inch	25 7/10 inch	
Dimensions	Body Weight		218.26 lb	271.39 lb	293.22 lb	Body Weight		218.26 lb	271.39 lb	293.22 lb	
	Ship Length		28 7/10 inch × 27 3/5 inch	30 1/10 inch × 28 9/10 inch	30 3/10 inch × 29 1/10 inch	Ship Length		28 7/10 inch × 27 3/5 inch	30 1/10 inch × 28 9/10 inch	30 3/10 inch × 29 1/10 inch	
Dimensions	Ship Height		75 1/5 inch	75 3/5 inch	83 2/5 inch	Ship Height		75 1/5 inch	75 3/5 inch	83 2/5 inch	
	Ship Weight		264.56 lb	334 2/9 lb	357.15 lb	Ship Weight		264.56 lb	334 2/9 lb	357.15 lb	
Dimensions	Water Connection Size		Inlet 3/4inch	3/4inch	3/4inch	Water Connection Size		Inlet 3/4inch	3/4inch	3/4inch	
	Drainage Hose		3/4inch			Drainage Hose		3/4inch			
Certifications	UL 60335-1 & UL 60335-2-40		✓			UL 60335-1 & UL 60335-2-40		✓			
	UL 174		✓			UL 174		✓			
Certifications	AHRI		✓			AHRI		✓			
	NEEA		Tier 4			NEEA		Tier 4			
Certifications	NSF/ANSI 372		✓			NSF/ANSI 372		✓			
	Energy Star		✓			Energy Star		✓			
Sound	NEEA test protocol		49.5dB(A)			NEEA test protocol		49.5dB(A)			

*Future Products in 2024



make yourself at home



www.mideacomfort.us



www.mideacomfortna.ca