



WR MODEL

PRODUCT LAUNCH GUIDE

Product Overview

The new WR Model of residential systems offers a high-quality, low cost wall-mounted unit that provides Zoned Comfort Solutions® at an affordable price. These systems offer variable fan speeds with auto changeover.

Features and Benefits

- ▶ Single-zone heat pump systems: 9, 12, 18, 24 kBtu/h
- ▶ Efficiency: 16 SEER/8.5 HSPF
- ▶ Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
- ▶ Four fan speed options: Low, Medium, High, Super-High
- ▶ Anti-mold filter
- ▶ INVERTER-driven heat pump
- ▶ Cooling operation range: 32° F to 115° F
- ▶ Heating operation range: 5° F to 75° F
- ▶ Multiple control options available:
 - Hand-held Remote Controller (provided with unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers
- ▶ 12-hour timer
- ▶ ECONO COOL mode
- ▶ AUTO restart
- ▶ The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns.

Model Name	Indoor Unit		MSZ-WR09NA	MSZ-WR12NA	MSZ-WR18NA	MSZ-WR24NA
	Outdoor Unit		MUZ-WR09NA	MUZ-WR12NA	MUZ-WR18NA	MUZ-WR24NA
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	17,200	22,500
	Capacity Range	Btu/h	3,800 – 10,000	3,800 – 12,200	5,800 – 18,000	5,800 – 22,500
	Rated Power Input	W	820	1,330	1,720	2,810
	Energy Efficiency	SEER	16.0	16.0	16.0	16.0
	Moisture Removal	Pints/h	1.5	2.5	2.1	2.3
	Sensible Heat Factor		0.82	0.77	0.86	0.89
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	12,200	18,000	26,000
	Capacity Range	Btu/h	4,500–11,800	4,500–14,500	5,400–20,900	5,400–26,000
	Rated Power Input	W	980	1,090	1,670	2,680
	HSPF (IV)	Btu/h/W	8.5	8.5	8.5	8.5
Heating at 17° F *3	Rated Capacity	Btu/h	6,700	7,600	11,500	18,500
	Rated Power Input	W	760	880	1,360	2,460
	Maximum Capacity	Btu/h	7,200	9,000	15,000	18,500
Heating at 5° F	Maximum Capacity	Btu/h	5,990	7,440	12,780	15,600
Power Supply *4	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V			
Voltage	Indoor – Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC ±24V			
	Indoor - Remote Controller		Wireless Type			
Indoor Unit	MCA	A	1.0			
	Blower Motor (ECM)	F.L.A.	0.76		0.67	
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	DRY (CFM)	399-321-237-170		625-530-431-328	
		WET (CFM)	364-286-201-134		562-477-388-295	
	Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	DRY (CFM)	406-321-237-170		625-530-431-307	
		WET (CFM)	364-286-201-134		562-477-388-295	
	Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	dB(A)	43-37-30-22		47-42-37-30	
	Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	dB(A)	43-37-30-22		47-42-37-30	
	External Finish Color		Munsell 1.0Y 9.2 / 0.2			
	Dimension Unit	W: In.	31-7/16		36-5/16	
		D: In.	9-1/8		9-13/16	
H: In.		11-5/8		12		
Weight Unit	Lbs.	22		28		
Field Drainpipe Size O.D.	In.	5/8				
Remote Controller	Type		Compatible with multiple controls options including kumo cloud®			
Outdoor Unit	MCA	A	9		10	
	MOCP	A	15			
	Fan Motor (ECM)	F.L.A.	0.5		0.93	
	Compressor	Model Type	DC INVERTER-driven		DC INVERTER-driven Twin Rotary	
		R.L.A.	6.2		7.4	
		L.R.A.	7.7		9.3	
	Airflow (Cooling / Heating)	CFM	1,151 / 1,225		1,243 / 1,229	
	Refrigerant Control	Linear Expansion Valve				
	Defrost Method	Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	48	51	53	57
	Sound Pressure Level at Heating *2	dB(A)	50	51	51	55
	External Finish Color		Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	31-1/2		33-1/16	
		D: In.	11-1/4		13	
H: In.		21-5/8		34-5/8		
Weight	Lbs.	73		81		
Refrigerant	Type	R410A				
	Charge	Lbs., Oz.	1, 12		2, 10	
	Oil	Type (fl. oz.)	FV50S (9.1)		FV50S (11.8)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2	
	Liquid Side O.D.	In.	1/4		3/8	
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	65		100	
	Length (Max.)	Ft.	40		40	
Connection Method	Indoor/Outdoor		Flared/Flared			

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

Specifications are subject to change without notice.

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