



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.

Mitsubishi Electric Trane HVAC US
1340 Satellite Boulevard, Suwanee, GA 30024
Phone: 800-433-4822 Fax: 800-889-9904

© 2019 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

Mitsubishi Electric, Lossnay, and the three-diamond logo are trademarks of Mitsubishi Electric Corporation and kumo cloud are registered trademarks of Mitsubishi Electric US, Inc. Trane and American Standard are registered trademarks of Ingersoll-Rand plc. All other product names mentioned herein are trademarks or registered trademarks of their respective owners.

Specifications shown in this brochure are subject to change without notice. See complete warranty for terms, conditions and limitations. A copy is available from Mitsubishi Electric Trane HVAC US LLC. Printed in the USA.

MAKE COMFORT *Personal*