

## 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<sup>®</sup> 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.

	Indoor Unit		MSZ-WR09NA	MSZ-WR12NA	MSZ-WR18NA	MSZ-WR24NA
Nodel Name	Outdoor Unit		MUZ-WR09NA	MUZ-WR12NA	MUZ-WR18NA	MUZ-WR24NA
	Rated Capacity	Btu/h	9,000	12,000	17,200	22,500
	Capacity Range	Btu/h	<b>3,800</b> – 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
Cooling *1	-		020	1,330	1,720	
	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
	Rated Capacity	Btu/h	10,900	12,200	18,000	26,000
Heating at	Capacity Range	Btu/h	4,500-11,800	4,500-14,500	5,400-20,900	5,400-26,000
47° F *2	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	Rated Capacity	Btu/h	6,700	7,600	11,500	18,500
17° F *3 Heating at	Rated Power Input	W	760	880	1,360	2,460
	Maximum Capacity	Btu/h	7,200	9,000	15,000	18,500
	Maximum Capacity	Btu/h	5,990	7,440	12,780	15,600
5° F Power			.,	, -		.,
Supply *4	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V			
oupply 4	Indoor – Outdoor S1 - S2		AC 208 / 230V			
Voltage	Indoor - Outdoor S2 - S3		DC ±24V			
	Indoor - Remote Controller		Wireless Type			
	MCA A		1.0			
	Blower Motor (ECM)	F.L.A.	0.76		0.	67
	Airflow at Cooling	DRY (CFM)	399-321-237-170		625-530-431-328	702-530-431-353
	Quiet-Lo-Med-Hi-Super Hi) *1 WET (CFN		399-321-237-170 364-286-201-134		562-477-388-295	632-477-388-318
	Virflow at Heating					
	(Quiet-Lo-Med-Hi-Super Hi) *2	DRY (CFM)	406-321-237-170		625-530-431-307	702-579-448-346
	Sound Pressure Level at Cool-		3(A) 43-37-30-22		47-42-37-30 5	
	ing (Quiet-Lo-Med-Hi-Super	dB(A)				50-44-38-33
Indoor Unit	Hi) *1					
	Sound Pressure Level at Heat- ing (Quiet-Lo-Med-Hi-Super	dB(A)	43-37-30-22 47-42-37-30		50-44-38-32	
	Hi) *2	UD(A)			-1	
	External Finish Color			Munsell 1	.0Y 9.2 / 0.2	1
		W: In.	31-7/16		36-5/16	
	Dimension Unit	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	Туре		Compatible with multiple controls options including kumo cloud®			
Sonnoner						
	MCA	A	g		10	14
	MOCP	A			15	r
	Fan Motor (ECM)	F.L.A.	0.5			0.93
	Model Type)		DC INVERTER-driven		DC INVERTER-driven Twin Rotary	
	Compressor	R.L.A.	6.2		7.4	10.0
	Compressor		7.7		9.3	12.5
		L.R.A.				
	Airflow (Cooling / Heating)	L.R.A. CFM	7. 1,151 /	1,225	1,243 / 1,229	1,691 / 1,691
				1,225		1,691 / 1,691
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method			1,225 Linear Exp	1,243 / 1,229	1,691 / 1,691
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at	CFM	1,151 /	1,225 Linear Exp Rever	1,243 / 1,229 bansion Valve se Cycle	
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1			1,225 Linear Exp	1,243 / 1,229 bansion Valve	1,691 / 1,691
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at	CFM	1,151 /	1,225 Linear Exp Rever	1,243 / 1,229 bansion Valve se Cycle	
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2	CFM dB(A)	48	1,225 Linear Exp Rever 51 51	1,243 / 1,229   pansion Valve   se Cycle   53   51	57
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at	CFM dB(A) dB(A)	1,151 / 48 50	1,225 Linear Exp Rever 51 51 Munsell No	1,243 / 1,229       pansion Valve       rse Cycle       53       51       p. 3Y 7.8 / 1.1	57 55
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color	CFM dB(A) dB(A) W: In.	1,151 / 48 50 31-	1,225 Linear Exp Rever 51 51 Munsell No 1/2	1,243 / 1,229       pansion Valve       rse Cycle       53       51       particular of the second sec	57 55 1/16
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2	CFM dB(A) dB(A) W: In. D: In.	1,151 / 48 50 31- 11-	1,225 Linear Exp Rever 51 51 Munsell No 1/2 1/4	1,243 / 1,229       pansion Valve       se Cycle       53       51       0. 3Y 7.8 / 1.1       33-       1	57 55 1/16 3
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions	CFM dB(A) dB(A) W: In. D: In. H: In.	1,151 / 48 50 31- 11- 21-	1,225 Linear Exp Rever 51 51 Munsell No 1/2 1/4 5/8	1,243 / 1,229       pansion Valve       se Cycle       53       51       0. 3Y 7.8 / 1.1       33-       1       34-	57 55 1/16 3 5/8
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight	CFM dB(A) dB(A) W: In. D: In.	1,151 / 48 50 31- 11-	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3	1,243 / 1,229       pansion Valve       se Cycle       53       51       0. 3Y 7.8 / 1.1       33-       1       34-       81	57 55 1/16 3
	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight Type	CFM dB(A) dB(A) W: In. D: In. H: In. Lbs.	1,151 / 48 50 31- 11- 21- 7:	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3 Ré	1,243 / 1,229   pansion Valve   se Cycle   53   51   0. 3Y 7.8 / 1.1   33-   1   34-   81   410A	57 55 1/16 3 -5/8 121
Outdoor Unit	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight Type Charge	CFM dB(A) dB(A) W: In. D: In. H: In. Lbs. Lbs., Oz.	1,151 / 48 50 31- 11- 21- 7: 7: 1,	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3 R4 12	1,243 / 1,229   pansion Valve   se Cycle   53   51   0. 3Y 7.8 / 1.1   33-   1   34-   81   410A   2, 10	57 55 1/16 3 -5/8 121 3, 9
Refrigerant	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight Type Charge Oil	CFM // // // // // // // // // // // // //	1,151 / 48 50 31- 11- 21- 7: 7: 1, FV50S	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3 Rever 51 51 0 1/2 1/4 5/8 3 8 (9.1)	1,243 / 1,229   pansion Valve   se Cycle   53   51   pansion Valve   53   51   pansion Valve   33-   10A   2,10	57 55 1/16 3 5/8 121 3, 9 5 (11.8)
Refrigerant Refrigerant	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight Type Charge Oil Gas Side O.D.	CFM dB(A) dB(A) W: In. D: In. H: In. Lbs. Lbs., Oz. Type (fl. oz.) In.	48 50 31- 11- 21- 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3 Re 12 6 (9.1) 8	1,243 / 1,229       pansion Valve       rse Cycle       53       51       0.3Y 7.8 / 1.1       33-       1       34-       81       410A       2, 10       FV50S       1/2	57 55 1/16 3 5/8 121 3, 9 5 (11.8) 5/8
Refrigerant Refrigerant Pipe	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight Type Charge Oil Gas Side O.D. Liquid Side O.D.	CFM // // // // // // // // // // // // //	1,151 / 48 50 31- 11- 21- 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3 R4 5/8 3 R4 5/8 3 8 8 4	1,243 / 1,229   pansion Valve   rse Cycle   53   51   0. 3Y 7.8 / 1.1   33-   1   34-   81   410A   2, 10   FV50s   1/2   1/4	57 55 1/16 3 5/8 121 3, 9 5 (11.8) 5/8 3/8
Refrigerant Refrigerant Pipe Refrigerant	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight Type Charge Oil Gas Side O.D.	CFM dB(A) dB(A) dB(A) W: In. D: In. H: In. Lbs. Lbs., Oz. Type (fl. oz.) In. In. Ft.	48 50 31- 11- 21- 7; 5, FV505 3/ 1/ 6;	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3 R4 12 6 (9.1) 8 4 5	1,243 / 1,229   pansion Valve   rse Cycle   53   51   53   51   53   51   33-   1   33-   1   34-   81   410A   2, 10   FV50S   1/2   1/4   65	57 55 1/16 3 5/8 121 3, 9 5(11.8) 5/8 5/8 3/8 3/8 100
Refrigerant Refrigerant Pipe	Airflow (Cooling / Heating) Refrigerant Control Defrost Method Sound Pressure Level at Cooling *1 Sound Pressure Level at Heating *2 External Finish Color Dimensions Weight Type Charge Oil Gas Side O.D. Liquid Side O.D.	CFM // // // // // // // // // // // // //	1,151 / 48 50 31- 11- 21- 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	1,225 Linear Exp Rever 51 51 1/2 1/4 5/8 3 R4 12 6 (9.1) 8 4 5	1,243 / 1,229   pansion Valve   rse Cycle   53   51   0. 3Y 7.8 / 1.1   33-   1   34-   81   410A   2, 10   FV50s   1/2   1/4	57 55 1/16 3 5/8 121 3, 9 5(11.8) 5/8 3/8

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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