

PRODUCT GUIDE

MSY/Z-GE SERIES



Product Overview

Total control for total comfort: single rooms can have ultimate comfort with the power of precise control over hot and cold spots. Slim, wall-mounted indoor units provide zone comfort control. INVERTER-driven compressors and electronic LEVs provide NEW higher efficiency with controlled power usage. In Mitsubishi Electric's effort to continuously improve our product line, we have enhanced the performance of some of our GE line of equipment. We have increased the SEER and HSPF on some of our GE units. The improved models now include a "2" at the end of the model number.

MSZ/MUZ-GE-NA2 Heat Pumps | 2,800–22,500 Btu/h Capacity Range:





- Upgraded performance:
 - New Higher SEER and HSPF on MUZ - 09, 12, 15NA2 outdoor units.
 - 23.2– 22.7 – 21.6 SEER, 11.0 – 11.4 – 11.2 HSPF.
- Provides cooling and heating in a wide range of capacities.
- INVERTER-driven compressor with electronic LEV.
- Offers "wide vane" for a wider angle of airflow, 150° from left to right (on GE24 model).
- Ideal for applications in bedrooms, home offices, living rooms, dining rooms, basements, kitchens, offices, guard houses kiosks and more.

MSY/MUY-GE-NA2 Air Conditioners | 2,800–22,500 Btu/h Capacity Range:

- Upgraded performance:
 - New Higher SEER on MUY- 09, 12, 15NA2 outdoor units.
 - 23.2– 22.7 – 21.6 SEER.
- Increased cooling efficiency at popular capacities.
- INVERTER-driven compressor with electronic LEV.
- Offers "wide vane" for a wider angle of airflow, 150° from left to right (on GE24 model).
- Works in cooling applications in bedrooms, home offices, living rooms, dining rooms, basements, kitchens, offices, guard houses kiosks and more.
- Effective moisture removal provides significant humidity control.

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MSY-GENA** (Cooling Only)





									
Model Name	Indoor Unit		MSY-GE09NA-8	MSY-GE12NA-8	MSY-GE15NA-8	MSY-GE18NA-8	MSY-GE24NA		
	Outdoor Unit		MUY-GE09NA2	MUY-GE12NA2	MUY-GE15NA2	MUY-GE18NA-1	MUY-GE24NA		
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,000	17,200	22,500		
	Capacity Range	Btu/h	3,800-12,200	3,800-13,600	3,100-18,200	3,700-18,700	8,200-31,400		
	Total Input	W	660 (205-1,200)	960 (205-1,300)	1,080 (160-2,000)	1,640 (240-2,070)	1,800 (570-3,580)		
	Energy Efficiency	SEER	23.2	22.7	21.6	19.2	19		
	Moisture Removal	Pints/h	1.5	2.5	2.7	4.6	5.1		
	Sensible Heat Factor		0.82	0.74	0.80	0.71	0.75		
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *2						
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V						
	Indoor - Outdoor S2 - S3		DC ±24V						
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC 12V)						
Indoor Unit	MCA	A	1.0						
	Blower Motor (ECM)	F.L.A.	0.76						
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi)*1	DRY (CFM)	145-170-237-321-399			205-272-335-420-533	230-275-339-420-533	388-469-628-738	
		WET (CFM)	109-134-201-286-364			170-237-300-385-498	194-240-304-385-498	347-420-562-661	
	Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	dB(A)	19-22-30-37-43	19-22-30-37-45	26-32-38-44-49	28-33-38-44-49	34-41-49-53		
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2						
	Dimension Unit	W: In.	31-7/16					43-5/16	
		D: In.	9-1/8					9-3/8	
		H: In.	11-5/8					12-13/16	
	Weight Unit	Lbs.	22					37	
Field Drainpipe Size O.D.	In.	5/8							
Remote Controller	Type		Select from MHK1 (Preferred), PAR-31MAA, or PAC-YT53CRAU Remote Controllers						
Outdoor Unit	MCA	A	12			14	17.1		
	MOCP	A	15				20		
	Fan Motor (ECM)	F.L.A.	0.50			0.93			
	Compressor	Model (Type)	DC INVERTER-driven			DC INVERTER-driven Twin Rotary			
		R.L.A.	4.9			6.8	10.0	12.9	
		L.R.A.	6.1			8.5	12.5	16.1	
	Airflow (Cooling)	CFM	1,151	1,229	1,243	1,730	1,769		
	Refrigerant Control		Linear Expansion Valve						
	Sound Pressure Level at Cooling *1	dB(A)	46	49		54	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		13	
		H: In.	21-5/8			33-7/16		34-5/8	
	Weight	Lbs.	66	77	80	119			
Refrigerant	Type		R410A						
	Charge	Lbs., Oz.	1, 12	2, 9		3, 7	4, 3		
	Oil	Type (fl. oz.)	NE022 (10.8)			NE022 (15.2)		FV50S (13.52)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8			1/2		5/8	
	Liquid Side O.D.	In.	1/4			1/4		3/8	
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40			50			
	Length (Max.)	Ft.	65			100			
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. Indoor units receive power from outdoor units through field-supplied interconnected wiring. Specifications are subject to change without notice.
\$ = Federal Tax Credit

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

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MSZ-GENA (Heat Pump)**

								
Model Name	Indoor Unit		MSZ-GE09NA-8	MSZ-GE12NA-8	MSZ-GE15NA-8	MSZ-GE18NA-8	MSZ-GE24NA	
	Outdoor Unit		MUZ-GE09NA2	MUZ-GE12NA2	MUZ-GE15NA2	MUZ-GE18NA-1	MUZ-GE24NA	
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,000	17,200	22,500	
	Capacity Range	Btu/h	3,800-12,200	3,800-13,600	3,100-18,200	3,700-18,700	8,200-31,400	
	Total Input	W	660 (205-1,200)	960 (205-1,300)	1,080 (160-2,000)	1,640 (240-2,070)	1,800 (570- 3,580)	
	Energy Efficiency	SEER	23.2	22.7	21.6	19.2	19.0	
	Moisture Removal	Pints/h	1.5	2.5	2.7	4.6	5.1	
	Sensible Heat Factor		0.82	0.74	0.80	0.71	0.75	
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	14,400	18,000	21,600	27,600	
	Capacity Range	Btu/h	4,500-14,100	5,500-18,100	4,800-20,900	3,500-25,200	7,500-36,900	
	Total Input	W	760 (255-1,200)	1,170 (340-1,660)	1,600 (270-2,010)	1,900 (230-2,680)	2,340 (520- 3,650)	
	HSPF (Region IV)	Btu/h/W	10.1	10.8	11.2	10		
Heating at 17° F *3	Rated Capacity	Btu/h	6,600	8,800	11,300	13,400	16,000	
	Rated Total Input	W	700	900	1,150	1,450	1,770	
	Maximum Capacity	Btu/h	8,700	11,200	15,900	17,200	24,600	
Heating at 5° F	Maximum Capacity	Btu/h	7,061	9,194	13,022	13,562	21,160	
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *4					
Voltage	Indoor - Outdoor S1-S2		AC 208 / 230V					
	Indoor - Outdoor S2-S3		DC ±24V					
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC12V)					
Indoor Unit	MCA	A	1.0					
	Blower Motor (ECM)	F.L.A.	0.76					
	Airflow at Cooling (Lo-Med-Hi-Super HI-Powerful) *1	DRY (CFM)	145-170-237-321-399	145-170-237-321-399	205-272-335-420-533	230-275-339-420-533	388-469-628-738	
		WET (CFM)	109-134-201-286-364	109-134-201-286-364	170-237-300-385-498	194-240-304-385-498	347-420-562-661	
	Airflow at Heating (Lo-Med-Hi-SuperHI-Powerful) *2	DRY (CFM)	145-170-237-321-406	145-170-237-321-406	205-247-304-367-463	230-275-339-431-512	388-469-628-738	
	Sound Pressure Level (Cooling) (Lo-Med-Hi-Super HI-Powerful) *1	dB(A)	19-22-30-37-43	19-22-30-37-45	26-32-38-44-49	28-33-38-44-49	34-41-49-53	
	Sound Pressure Level (Heating) (Lo-Med-Hi-Super HI-Powerful) *2		19-22-30-37-43	19-22-30-37-43	26-30-35-40-46	28-33-38-44-49	32-41-49-52	
	External Finish Color		Munsell No. 1.0Y 9.2/0.2					
	Dimension Unit	W: In.	31-7/16		31-7/16		31-7/16	43-5/16
		D: In.	9-1/8		9-1/8		9-1/8	9-3/8
		H: In.	11-5/8		11-5/8		12-13/16	
	Weight Unit	Lbs.	22		22		37	
Field Drainpipe Size O.D.	In.	5/8						
Remote Controller	Type		Select from MHK1 (Preferred), PAR-31MAA, or PAC-YT53CRAU Remote Controllers					
Outdoor Unit	MCA	A	12		12	14	17.1	
	MOCP	A	15		15		20	
	Fan Motor (ECM)	F.L.A.	0.50		0.50	0.93		
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary					
		R.L.A.	6.6		7.4	10.0	12.9	
		L.R.A.	8.2		9.3	12.5	16.1	
	Airflow	CFM	1,151 / 1,225	1,229 / 1,172	1,243 / 1,229	1,730 / 1,659	1,769 / 1,701	
	Refrigerant Control		Linear Expansion Valve					
	Defrost Method		Reverse Cycle					
	Sound Pressure Level at Cooling *1	dB(A)	46	49	49	54	55	
	Sound Pressure Level at Heating *2	dB(A)	50	51	51	56	55	
	External Finish Color		Munsell No. 3Y 7.8/1.1					
	Dimensions	W: In.	31-1/2		31-1/2	33-1/16		
		D: In.	11-1/4		11-1/4	13		
		H: In.	21-5/8		21-5/8	33-7/16	34-5/8	
	Weight	Lbs.	66	77	80	119		
Refrigerant	Type		R410A					
	Charge	Lbs., Oz.	1, 12	2, 9	2, 9	3, 7	4, 3	
	Oil	Type (Fl. Oz.)	NE022 (10.8)		NE022 (15.2)		FV50S (13.5)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2		5/8	
	Liquid Side O.D.		1/4		1/4		3/8	
	Height Difference (Max.)	Ft.	40		40	50		
	Length (Max.)		65		65	100		
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).

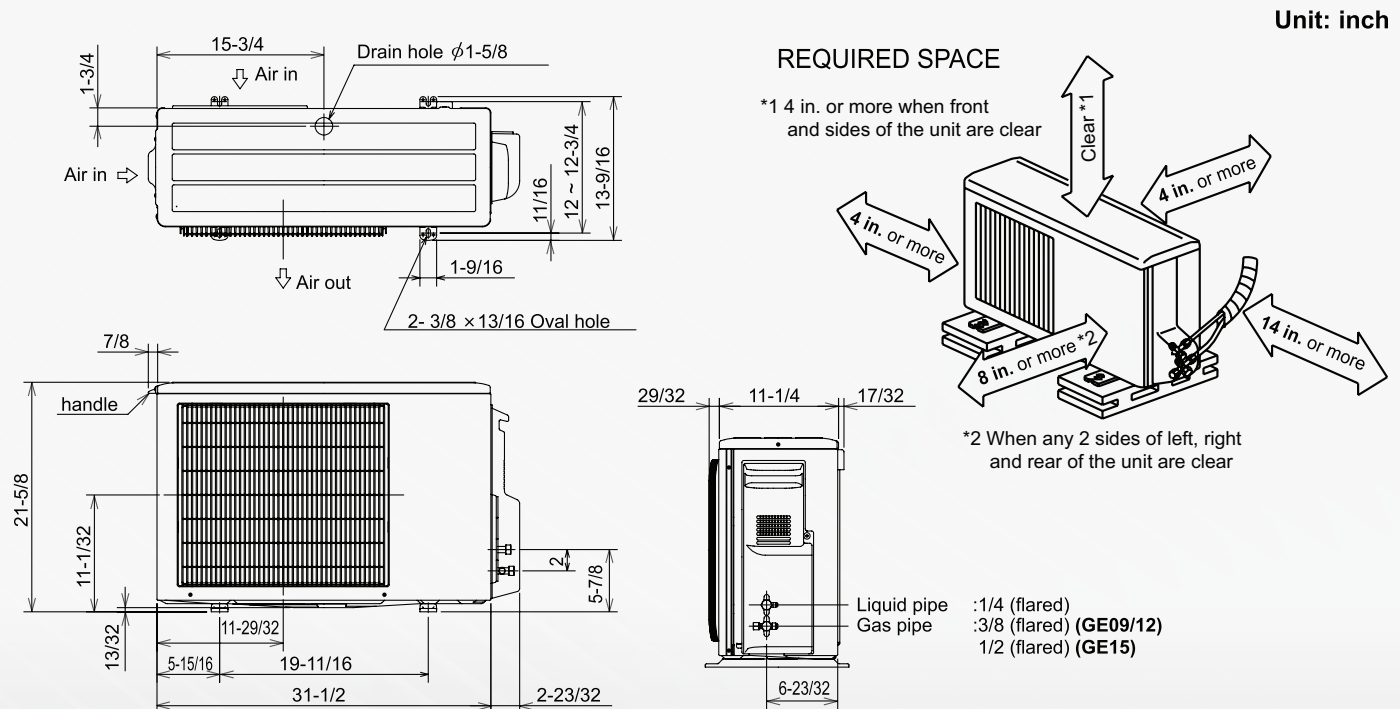
*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring. Specifications are subject to change without notice.

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LIMITED WARRANTY I Seven-year warranty on compressor. Five-year warranty on parts.

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MUZ/Y-GE09,12,15NA2 OUTLINES AND DIMENSIONS



The outlines and dimensions for the MUZ/Y-GE18, 24 are unchanged, refer to submittals for more information.

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