

Use the specified refrigerant only

Never use any refrigerant other than that specified.

Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of.

Correct refrigerant is specified in the manuals and on the spec labels provided with our products.

We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

Revision A:

- MUZ-GE24NA and MUY-GE24NA have been added.

Revision B:

- Descriptions regarding the outdoor fan motor has been corrected.

Revision C:

- MUZ-GE15NA-¹, MUZ-GE18NA-¹, MUY-GE15NA-¹, and MUY-GE18NA-¹ have been added.

Revision D:

- Specification has been corrected. [Capacity → Capacity Rated (Maximum), Power consumption → Power consumption Rated (Maximum)]

1

TECHNICAL CHANGES

MUZ-GE09NA

MUZ-GE12NA

MUZ-GE15NA

MUZ-GE18NA

MUZ-GE24NA

MUY-GE09NA

MUY-GE12NA

MUY-GE15NA

MUY-GE18NA

MUY-GE24NA

1. New model

MUZ-GE15NA → MUZ-GE15NA -¹

1. Compressor has been changed.

2. Inverter P.C. board has been changed.

MUZ-GE18NA → MUZ-GE18NA -¹

1. Compressor has been changed.

2. Inverter P.C. board has been changed.

MUY-GE15NA → MUY-GE15NA -¹

1. Compressor has been changed.

2. Inverter P.C. board has been changed.

MUY-GE18NA → MUY-GE18NA -¹

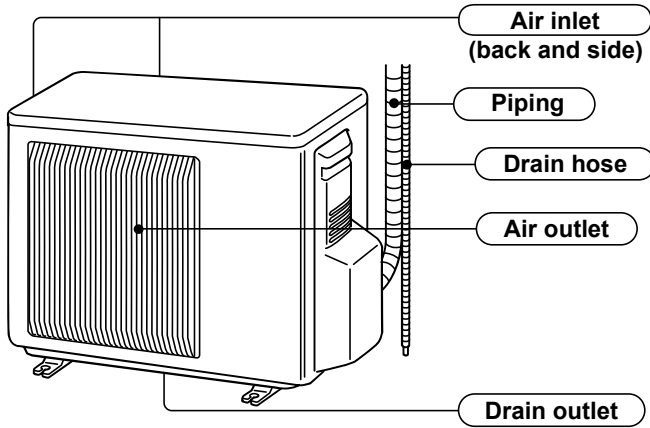
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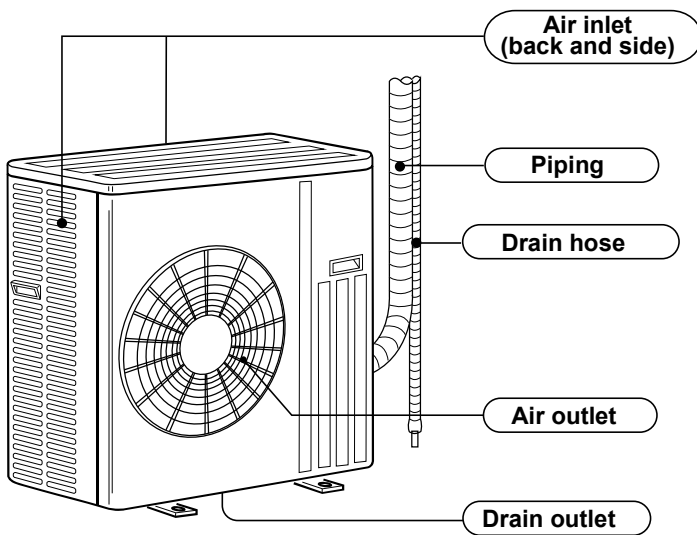
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PART NAMES AND FUNCTIONS

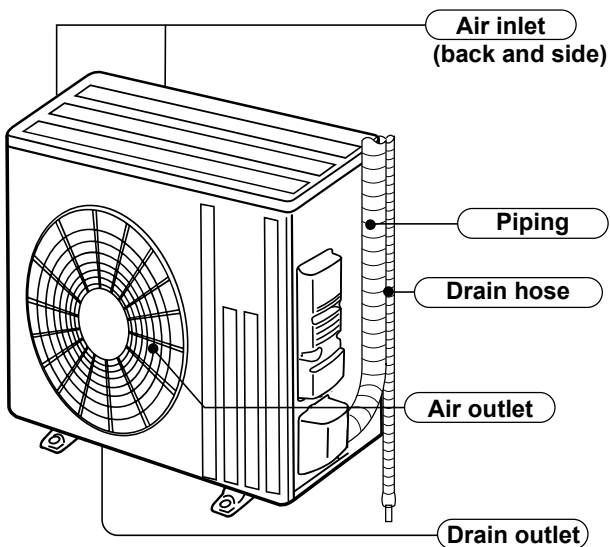
MUZ-GE09NA MUZ-GE12NA MUZ-GE15NA
MUY-GE09NA MUY-GE12NA MUY-GE15NA



MUZ-GE18NA MUY-GE18NA



MUZ-GE24NA MUY-GE24NA



3

SPECIFICATION

Outdoor unit model			MUZ-GE09NA	MUY-GE09NA	MUZ-GE12NA	MUY-GE12NA
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	9,000 (3,800 ~ 12,200)	9,000 (3,800 ~ 12,200)	12,000 (3,800 ~ 13,600)	12,000 (3,800 ~ 13,600)
	Heating 47 *1	Btu/h	10,900 (4,500 ~ 14,100)	—	14,400 (5,500 ~ 18,100)	—
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	6,600 (8,700)	—	8,800 (11,200)	—
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	660 (205~1,200)	660 (205~1,200)	960 (205~1,300)	960 (205~1,300)
	Heating 47 *1	W	760 (255~1,200)	—	1,170 (340~1,660)	—
Power consumption Rated (Maximum)	Heating 17 *2	W	700 (950)	—	900 (1,200)	—
EER *1 [SEER] *3	Cooling		13.6 [21.0]	13.6 [21.0]	12.5 [20.5]	12.5 [20.5]
HSPF IV *4	Heating		10.0	—	10.0	—
COP	Heating *1		4.20	—	3.61	—
Power supply	V , phase , Hz		208/230 , 1 , 60			
Max. fuse size (time delay)	A		15			
Min. circuit ampacity	A		12	12	12	12
Fan motor	F.L.A		0.50			
Compressor	Model		KNB073FQDHC		KNB092FQAHC	
		R.L.A	6.6	4.9	6.6	4.9
		L.R.A	8.2	6.1	8.2	6.1
	Refrigeration oil (Model)	L	0.32 (NEO22)			
Refrigerant control	Linear expansion valve					
Sound level *1	Cooling	dB(A)	46	46	49	49
	Heating	dB(A)	50	—	51	—
Defrost method	Reverse cycle					
Dimensions	W	in.	31-1/2			
	D	in.	11-1/4			
	H	in.	21-5/8			
Weight	lb.	66		77		
External finish	Munsell 3Y 7.8/1.1					
Remote controller	Wireless type					
Control voltage (by built-in transformer)	VDC		12 - 24			
Refrigerant piping	Not supplied					
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)			
	Gas	in.	3/8 (0.0315)			
Connection method	Indoor		Flared			
	Outdoor		Flared			
Between the indoor & outdoor units	Height difference	ft.	40			
	Piping length	ft.	65			
Refrigerant charge (R410A)			1 lb. 12 oz.		2 lb. 9 oz.	

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

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Outdoor unit model			MUZ-GE15NA MUZ-GE15NA- [1]	MUY-GE15NA MUY-GE15NA- [1]	MUZ-GE18NA MUZ-GE18NA- [1]	MUY-GE18NA MUY-GE18NA- [1]
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	14,000 (3,100 ~ 18,200)	14,000 (3,100 ~ 18,200)	17,200 (3,700 ~ 18,700)	17,200 (3,700 ~ 18,700)
	Heating 47 *1	Btu/h	18,000 (4,800 ~ 20,900)	—	21,600 (3,500 ~ 25,200)	—
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	11,300 (15,900)	—	13,400 (17,200)	—
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,080 (160 ~ 2,000)	1,080 (160 ~ 2,000)	1,640 (240 ~ 2,070)	1,640 (240 ~ 2,070)
	Heating 47 *1	W	1,600 (270 ~ 2,010)	—	1,900 (230 ~ 2,680)	—
Power consumption Rated (Maximum)	Heating 17 *2	W	1,150 (1,950)	—	1,450 (2,080)	—
EER *1 [SEER] *3	Cooling		13.0 [21.0]	13.0 [21.0]	10.5 [19.2]	10.5 [19.2]
HSPF IV *4	Heating		10.0	—	10.0	—
COP	Heating *1		3.30	—	3.33	—
Power supply	V , phase , Hz		208/230 , 1 , 60			
Max. fuse size (time delay)	A		15			
Min. circuit ampacity	A		12		14	
Fan motor	F.L.A		0.50		0.93	
Compressor	Model		MUZ/MUY-GE-NA		SNB130FQBH	
			MUZ/MUY-GE-NA- [1]		SNB130FQBHT	
	R.L.A	7.4	6.8	10.0	10.0	
	L.R.A	9.3	8.5	12.5	12.5	
Refrigeration oil (Model)	L	0.45 (NEO22)				
Refrigerant control	Linear expansion valve					
Sound level *1	Cooling	dB(A)	49	49	54	54
	Heating	dB(A)	51	—	56	—
Defrost method	Reverse cycle					
Dimensions	W	in.	31-1/2		33-1/16	
	D	in.	11-1/4		13	
	H	in.	21-5/8		33-7/16	
Weight	lb.		80		119	
External finish	Munsell 3Y 7.8/1.1					
Remote controller	Wireless type					
Control voltage (by built-in transformer)	VDC		12 - 24			
Refrigerant piping	Not supplied					
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)			
	Gas	in.	1/2 (0.0315)			
Connection method	Indoor		Flared			
	Outdoor		Flared			
Between the indoor & outdoor units	Height difference	ft.	40		50	
	Piping length	ft.	65		100	
Refrigerant charge (R410A)			2 lb. 9 oz.		3 lb. 7 oz.	

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

- *1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB
*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Outdoor unit model			MUZ-GE24NA	MUY-GE24NA
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	22,500 (8,200 ~ 31,400)	22,500 (8,200 ~ 31,400)
	Heating 47 *1	Btu/h	27,600 (7,500 ~ 36,900)	—
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	16,000 (24,600)	—
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,800 (570 ~ 3,580)	1,800 (570 ~ 3,580)
	Heating 47 *1	W	2,340 (520 ~ 3,650)	—
Power consumption Rated (Maximum)	Heating 17 *2	W	1,770 (3,290)	—
EER *1 [SEER] *3	Cooling		12.5 [19.0]	12.5 [19.0]
HSPF IV *4	Heating		10.0	—
COP	Heating *1		3.46	—
Power supply	V , phase , Hz		208/230 , 1 , 60	
Max. fuse size (time delay)		A	20	
Min. circuit ampacity		A	17.1	
Fan motor		F.L.A	0.93	
Compressor	Model		SNB172FQKMT	
	R.L.A		12.9	
	L.R.A		16.1	
	Refrigeration oil (Model)	L	0.40 (FV50S)	
Refrigerant control			Linear expansion valve	
Sound level *1	Cooling	dB(A)	55	55
	Heating	dB(A)	55	—
Defrost method			Reverse cycle	
Dimensions	W	in.	33-1/16	
	D	in.	13	
	H	in.	34-5/8	
Weight		lb.	119	
External finish			Munsell 3Y 7.8/1.1	
Remote controller			Wireless type	
Control voltage (by built-in transformer)		VDC	12-24	
Refrigerant piping			Not supplied	
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	3/8 (0.0315)	
	Gas	in.	5/8 (0.0315)	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Between the indoor & outdoor units	Height difference	ft.	50	
	Piping length	ft.	100	
Refrigerant charge (R410A)			4 lb. 3 oz.	

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

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)

(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Test condition

*3,*4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at Intermediate compressor Speed *5	80	67	87	(69)
	HSPF (Heating) (MUZ)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at Intermediate compressor Speed *5	70	60	35	33

*5: At Intermediate compressor Speed
= ("Cooling rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

3-1. OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating (MUZ)	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

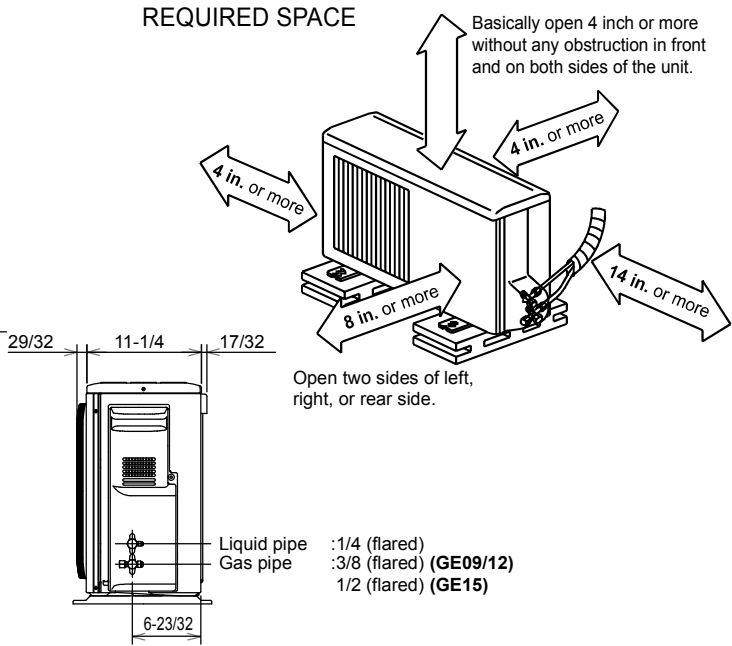
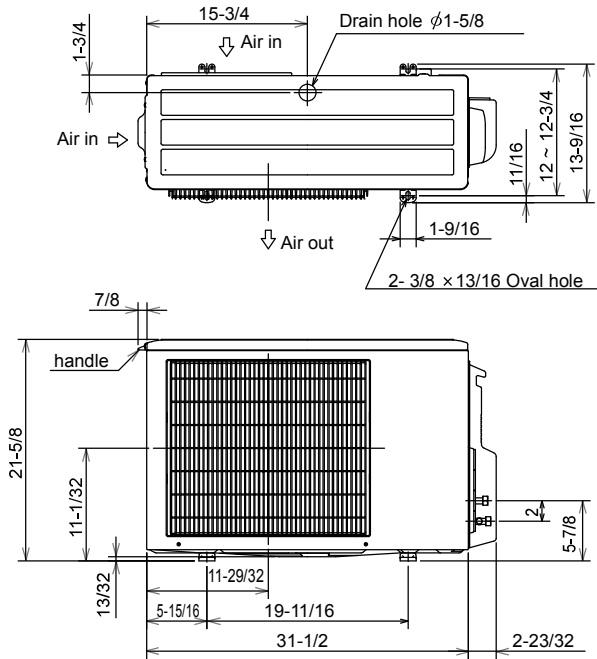
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OUTLINES AND DIMENSIONS

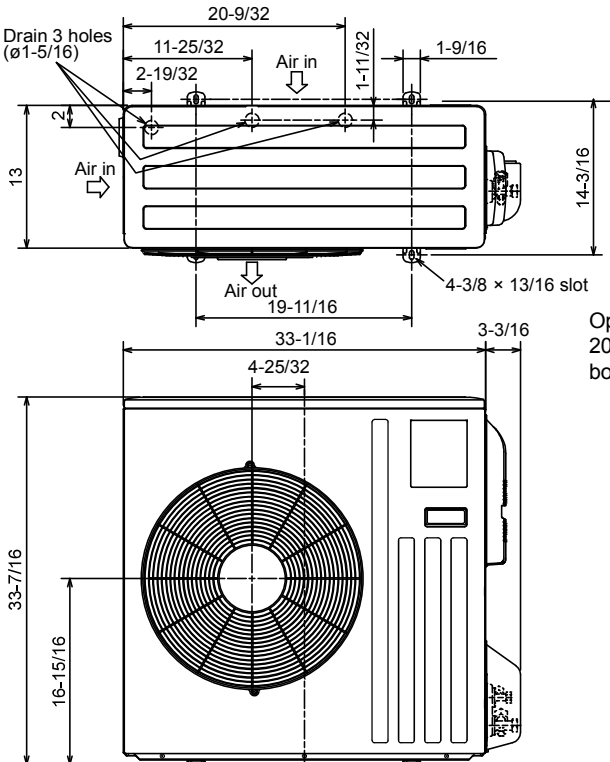
MUZ-GE09NA MUZ-GE12NA MUZ-GE15NA
MUY-GE09NA MUY-GE12NA MUY-GE15NA

Unit: inch

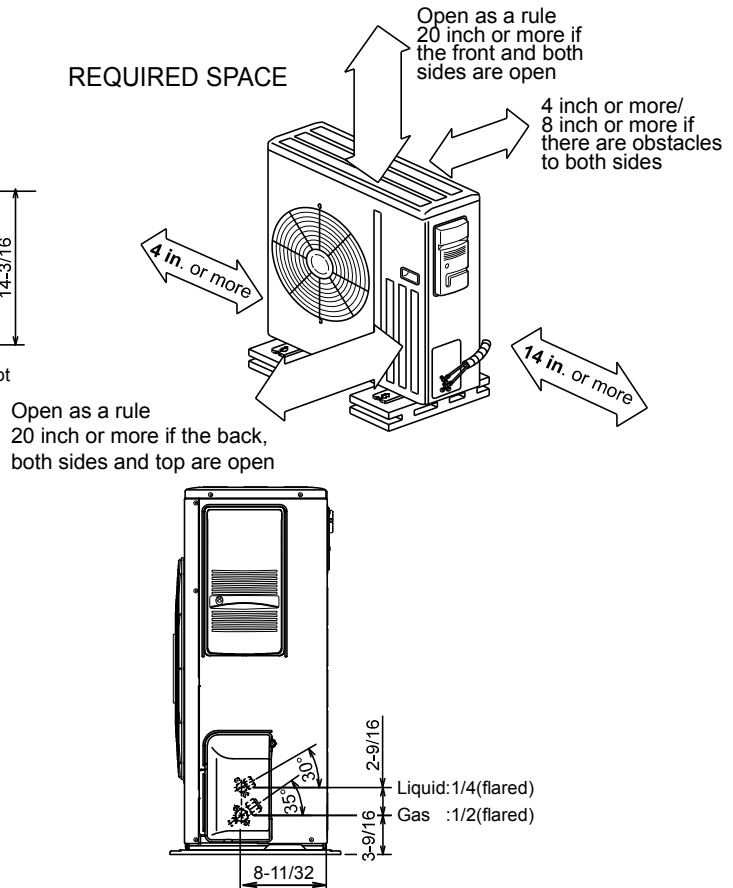
REQUIRED SPACE



MUZ-GE18NA MUY-GE18NA

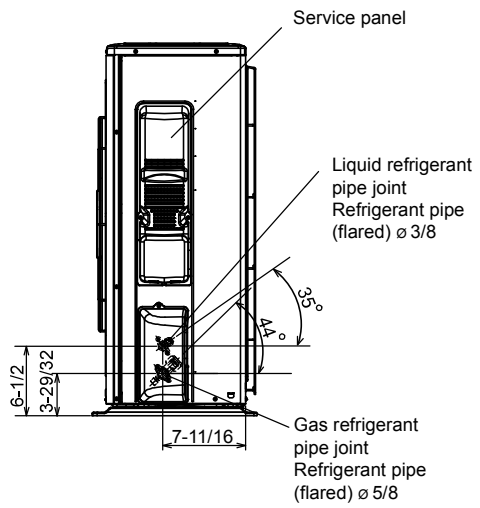
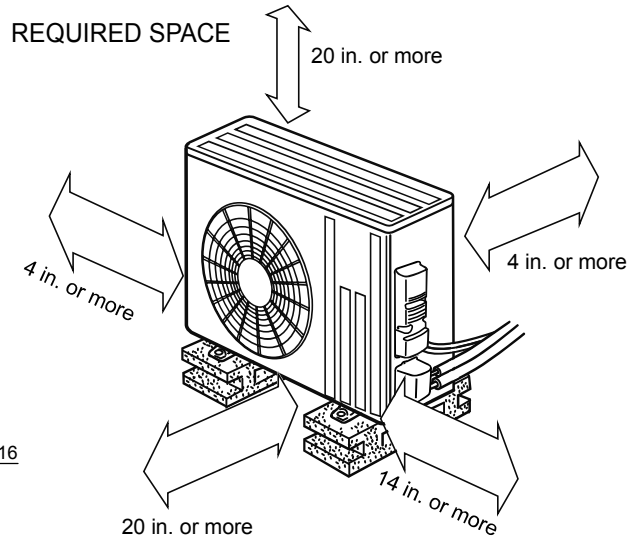
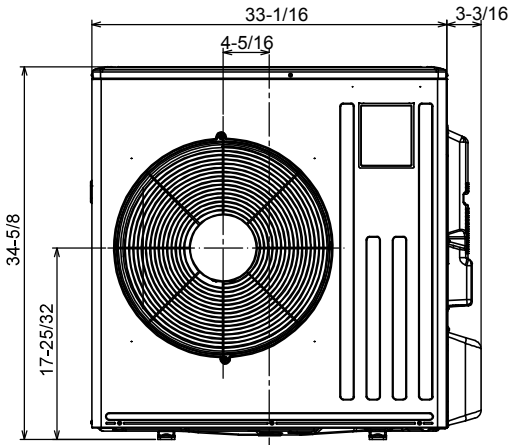
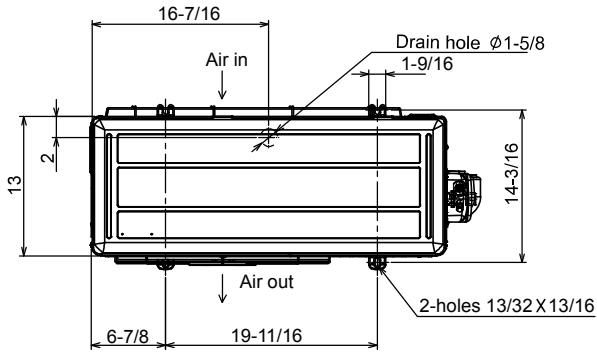


REQUIRED SPACE



MUZ-GE24NA
MUY-GE24NA

Unit: inch



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DATA

7-1. PERFORMANCE DATA

1) COOLING CAPACITY

MUZ-GE09NA MUZ-GE12NA MUZ-GE15NA MUZ-GE18NA MUZ-GE24NA
MUY-GE09NA MUY-GE12VA MUY-GE15VA MUY-GE18VA MUY-GE24VA

Model	Indoor air		Outdoor intake air DB temperature (°F)														
	IWB (°F)	75			85			95			105			115			
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	
MUZ-GE09NA MUY-GE09NA	71	11.0	7.6	0.59	10.3	7.1	0.64	9.7	6.6	0.69	9.0	6.2	0.73	8.3	5.7	0.76	
	67	10.4	8.6	0.55	9.7	8.0	0.61	9.0	7.4	0.66	8.4	6.9	0.70	7.7	6.3	0.73	
	63	9.8	9.4	0.53	9.1	8.7	0.58	8.5	8.1	0.63	7.7	7.3	0.67	7.0	6.7	0.70	
MUZ-GE12NA MUY-GE12NA	71	14.7	8.9	0.85	13.7	8.3	0.94	12.9	7.8	1.01	12.0	7.3	1.06	11.0	6.7	1.10	
	67	13.9	10.3	0.81	13.0	9.6	0.89	12.0	8.9	0.96	11.2	8.3	1.02	10.3	7.6	1.07	
	63	13.1	11.4	0.77	12.1	10.6	0.85	11.3	9.9	0.92	10.3	9.0	0.98	9.4	8.2	1.02	
MUZ-GE15NA MUY-GE15NA	71	17.2	11.4	0.96	16.0	10.7	1.05	15.1	10.0	1.13	14.0	9.3	1.19	12.9	8.6	1.24	
	67	16.2	13.0	0.91	15.1	12.1	1.00	14.0	11.2	1.08	13.0	10.4	1.14	12.0	9.6	1.20	
	63	15.3	14.2	0.86	14.1	13.2	0.96	13.2	12.3	1.03	12.0	11.2	1.10	10.9	10.2	1.14	
MUZ-GE18NA MUY-GE18NA	71	21.1	12.2	1.46	19.7	11.4	1.60	18.5	10.7	1.72	17.2	9.9	1.81	15.8	9.1	1.89	
	67	20.0	14.2	1.38	18.6	13.2	1.52	17.2	12.2	1.64	16.0	11.4	1.74	14.7	10.4	1.82	
	63	18.7	15.8	1.31	17.4	14.7	1.45	16.2	13.6	1.57	14.7	12.4	1.67	13.4	11.3	1.74	
MUZ-GE24NA MUY-GE24NA	71	27.6	17.0	1.60	25.8	15.9	1.76	24.2	14.9	1.89	22.5	13.9	1.99	20.7	12.8	2.07	
	67	26.1	19.6	1.51	24.3	18.2	1.67	22.5	16.9	1.80	20.9	15.7	1.91	19.2	14.4	2.00	
	63	24.5	21.7	1.44	22.7	20.1	1.59	21.2	18.7	1.72	19.2	17.0	1.84	17.6	15.5	1.91	

NOTE: 1. IWB: Intake air wet-bulb temperature
 TC: Total Capacity ($\times 10^3$ Btu/h)
 SHC: Sensible Heat Capacity ($\times 10^3$ Btu/h)
 TPC: Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor Intake air DB temperature.

2) COOLING CAPACITY CORRECTIONS

	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-GE09NA MUY-GE09NA MUZ-GE12NA MUY-GE12NA MUZ-GE15NA MUY-GE15NA MUZ-GE18NA MUY-GE18NA	1.0	0.954	0.878	—
MUZ-GE24NA MUY-GE24NA	1.0	0.954	0.878	0.771

3) HEATING CAPACITY (MUZ)

Model	Indoor air IDB (°F)	Outdoor intake air WB temperature (°F)													
		5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-GE09NA	75	4.8	0.45	6.3	0.57	7.9	0.67	9.4	0.74	10.6	0.78	11.0	0.79	12.4	0.82
	70	5.2	0.43	6.7	0.55	8.2	0.65	9.6	0.72	10.9	0.76	11.2	0.78	12.7	0.81
	65	5.5	0.41	6.9	0.52	8.6	0.63	10.0	0.70	11.2	0.74	11.6	0.75	13.0	0.79
MUZ-GE12NA	75	6.3	0.69	8.4	0.87	10.4	1.02	12.5	1.14	14.0	1.20	14.5	1.22	16.4	1.26
	70	6.8	0.66	8.9	0.84	10.8	1.00	12.7	1.11	14.4	1.17	14.8	1.19	16.8	1.24
	65	7.2	0.63	9.1	0.81	11.3	0.97	13.2	1.08	14.8	1.14	15.3	1.16	17.1	1.22
MUZ-GE15NA	75	7.9	0.63	10.4	0.79	13.1	0.93	15.6	1.03	17.6	1.09	18.1	1.10	20.5	1.14
	70	8.6	0.60	11.1	0.76	13.5	0.91	15.9	1.01	18.0	1.06	18.5	1.08	21.0	1.12
	65	9.0	0.57	11.3	0.73	14.1	0.87	16.5	0.98	18.5	1.03	19.1	1.05	21.4	1.10
MUZ-GE18NA	75	9.1	0.64	11.9	0.81	14.9	0.95	17.8	1.06	20.1	1.12	20.7	1.13	23.5	1.18
	70	9.8	0.62	12.7	0.78	15.5	0.93	18.2	1.04	20.6	1.09	21.2	1.11	24.0	1.16
	65	10.3	0.59	13.0	0.75	16.2	0.90	18.8	1.01	21.2	1.06	21.8	1.08	24.5	1.13
MUZ-GE24NA	75	12.1	1.38	16.0	1.74	20.0	2.05	23.9	2.28	26.9	2.40	27.7	2.43	31.5	2.53
	70	13.1	1.32	17.0	1.68	20.7	2.00	24.4	2.22	27.6	2.34	28.4	2.39	32.2	2.48
	65	13.8	1.26	17.4	1.61	21.7	1.93	25.3	2.16	28.4	2.28	29.3	2.32	32.8	2.43

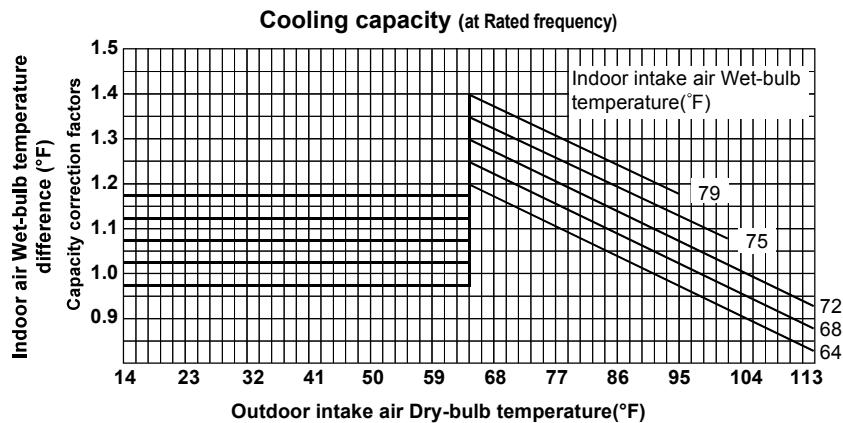
NOTE: 1. IDB: Intake air dry-bulb temperature
 TC: Total Capacity (x10³Btu/h)
 TPC: Total Power Consumption (kW)
 2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

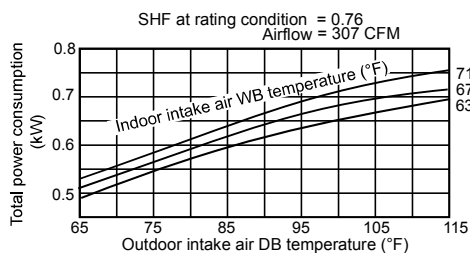
1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch twice or once, or press any button on the remote controller.

7-2. PERFORMANCE CURVE

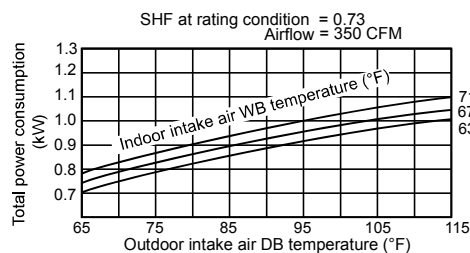
Cooling



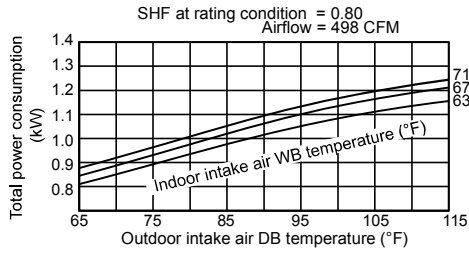
MUZ-GE09NA MUY-GE09NA



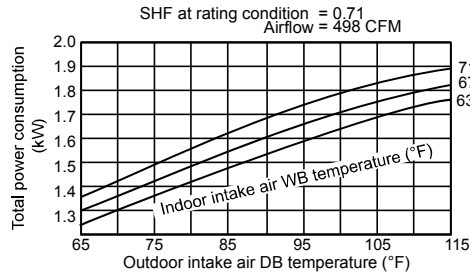
MUZ-GE12NA MUY-GE12NA



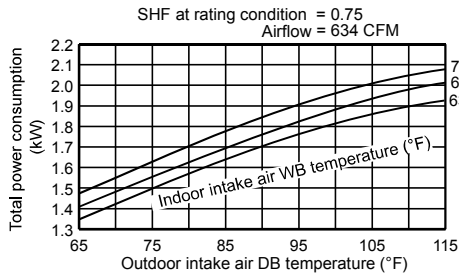
**MUZ-GE15NA
MUY-GE15NA**



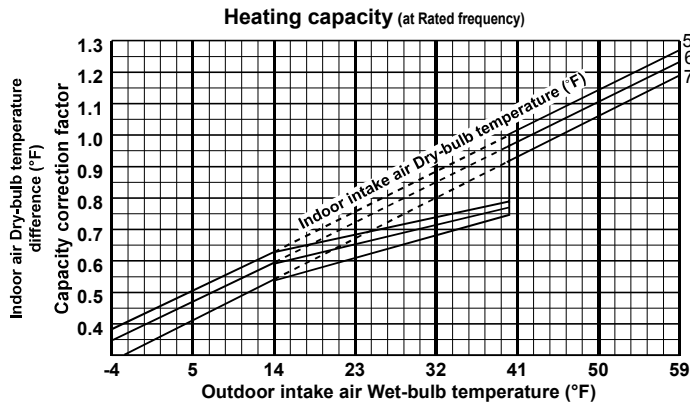
**MUZ-GE18NA
MUY-GE18NA**



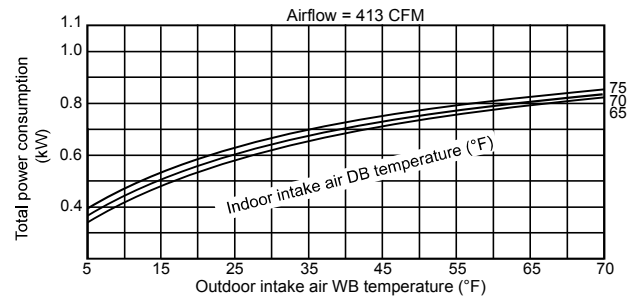
**MUZ-GE24NA
MUY-GE24NA**



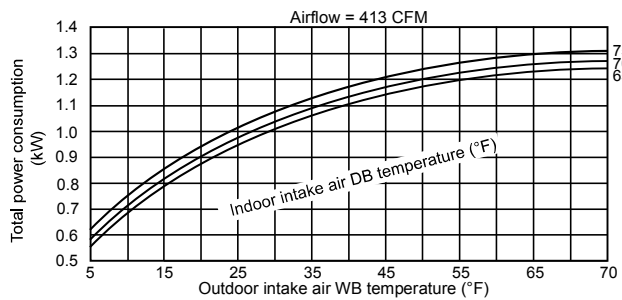
Heating (MUZ)



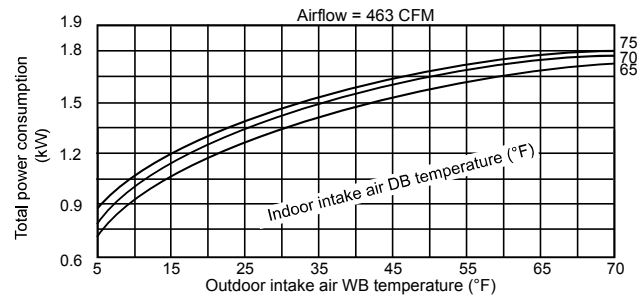
MUZ-GE09NA



MUZ-GE12NA

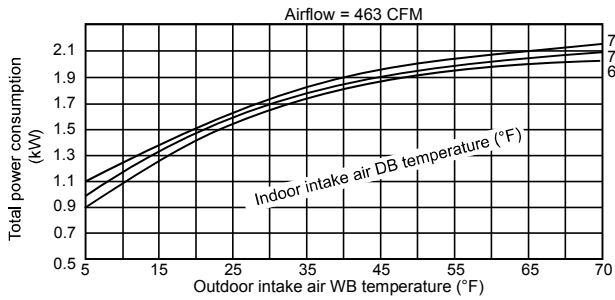


MUZ-GE15NA

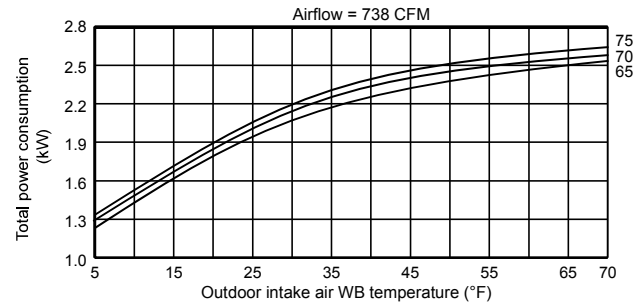


This value of frequency is not the same as the actual frequency in operating. Refer to 7-5 and 7-6 for the relationships between frequency and capacity.

MUZ-GE18NA



MUZ-GE24NA



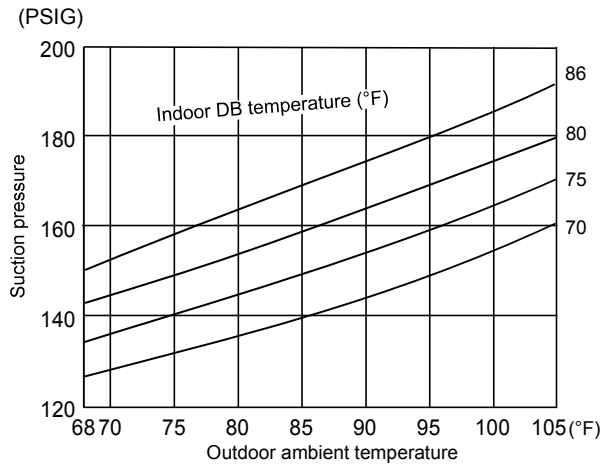
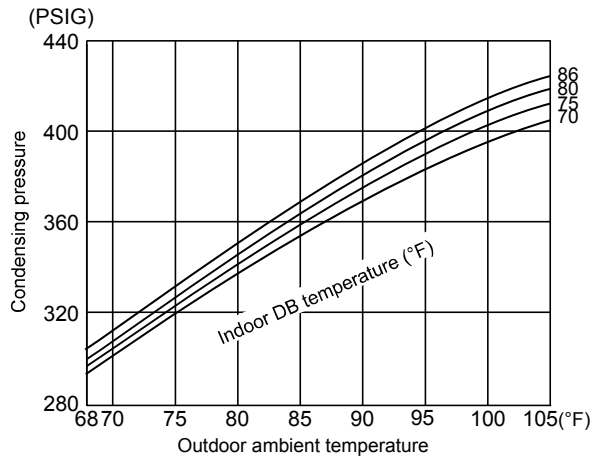
This value of frequency is not the same as the actual frequency in operating. Refer to 7-5 and 7-6 for the relationships between frequency and capacity.

7-3. CONDENSING PRESSURE

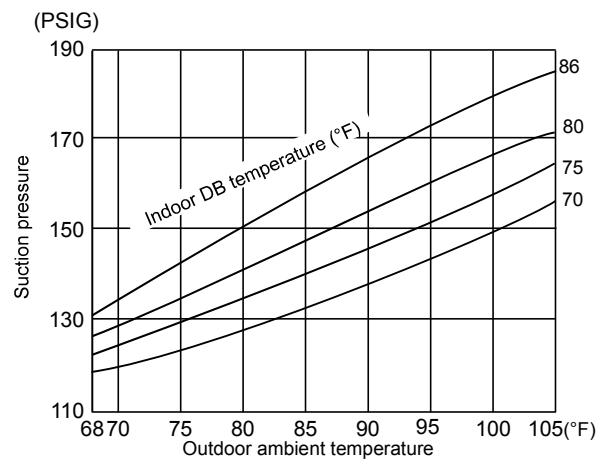
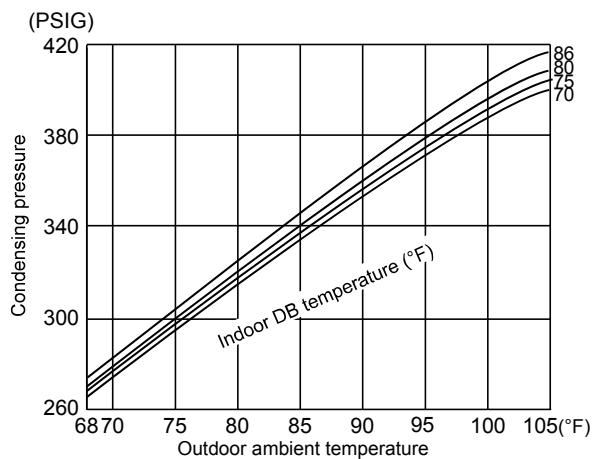
Cooling

Data is based on the condition of indoor humidity 50 %.
Air flow should be set to High speed.

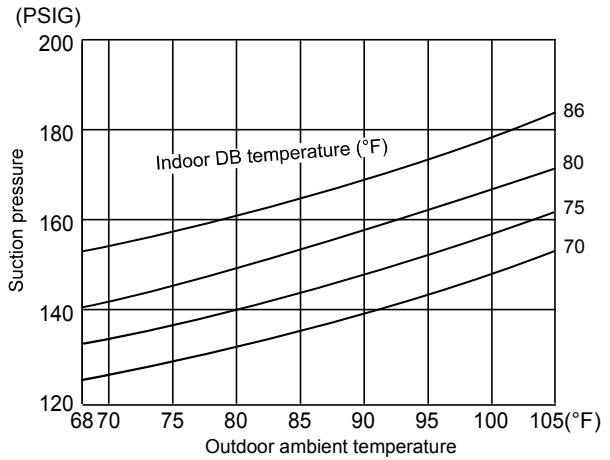
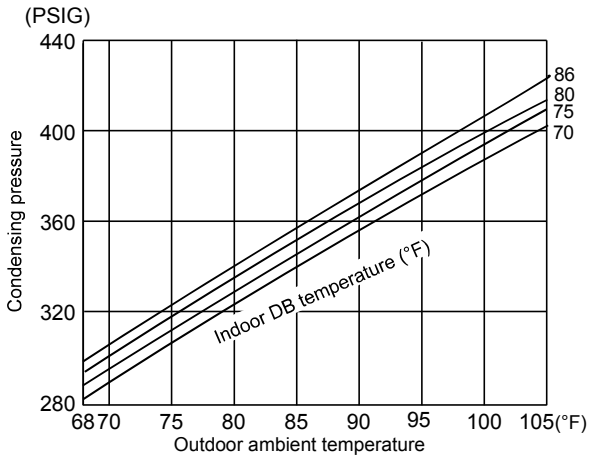
MUZ-GE09NA MUY-GE09NA



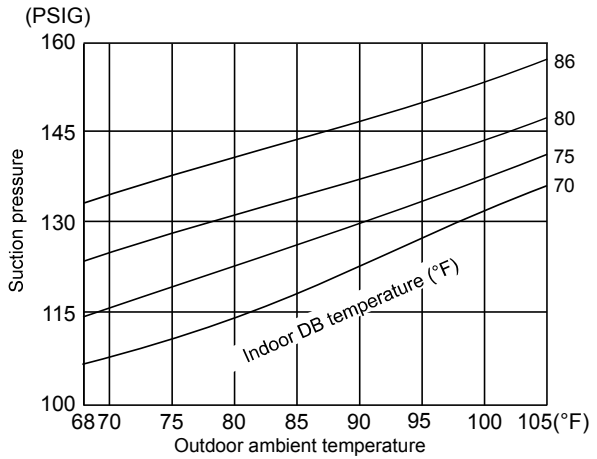
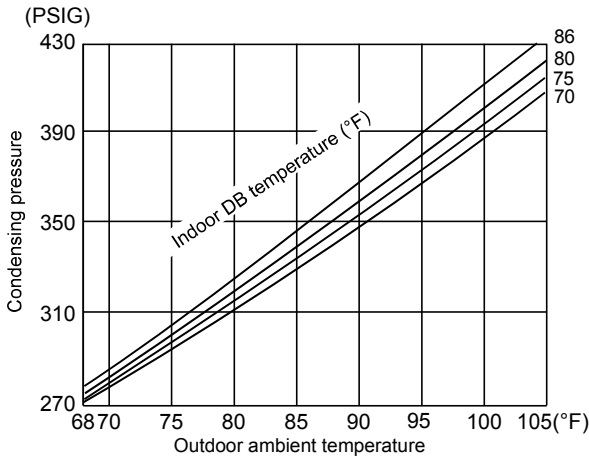
MUZ-GE12NA MUY-GE12NA



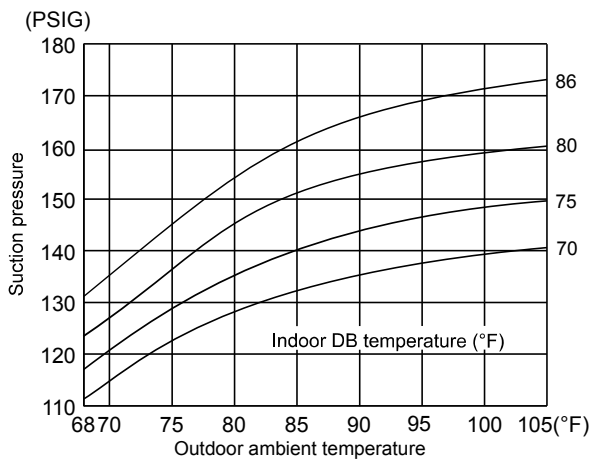
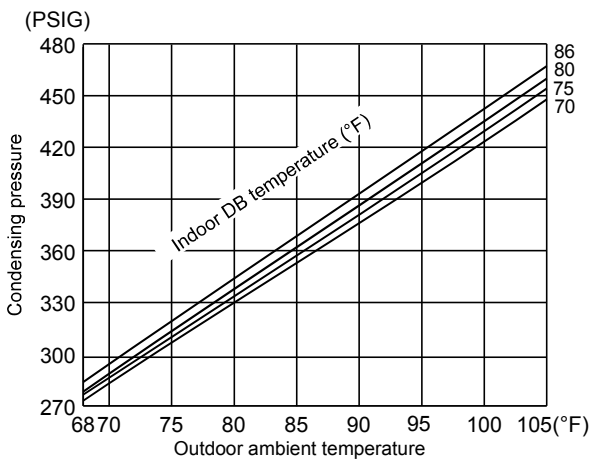
MUZ-GE15NA MUY-GE15NA



MUZ-GE18NA MUY-GE18NA



MUZ-GE24NA MUY-GE24NA



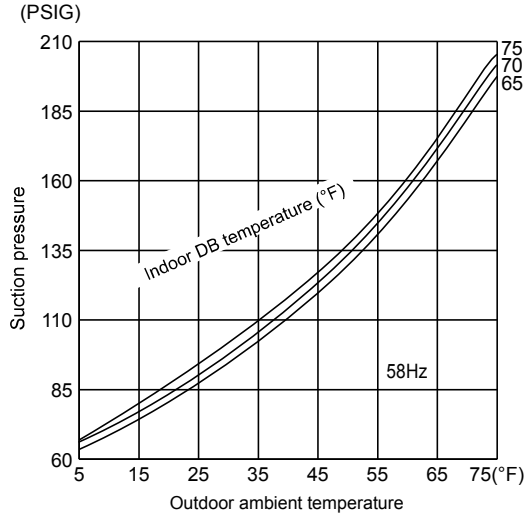
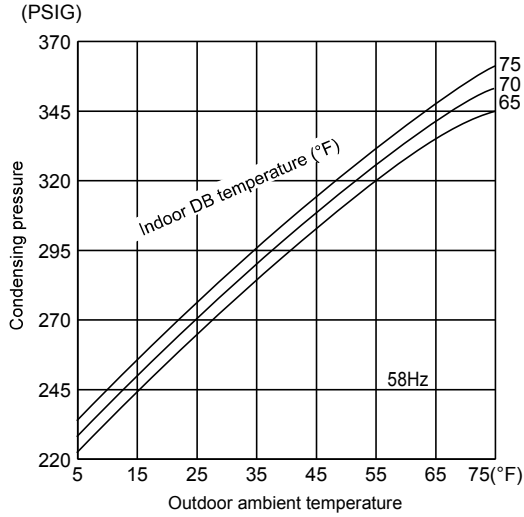
Heating (MUZ)

Data is based on the condition of outdoor humidity 75%.

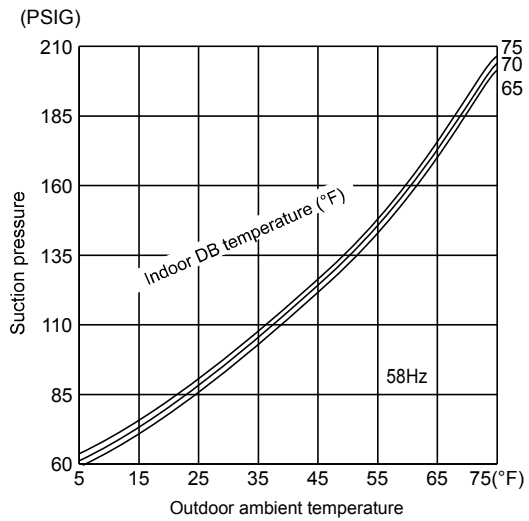
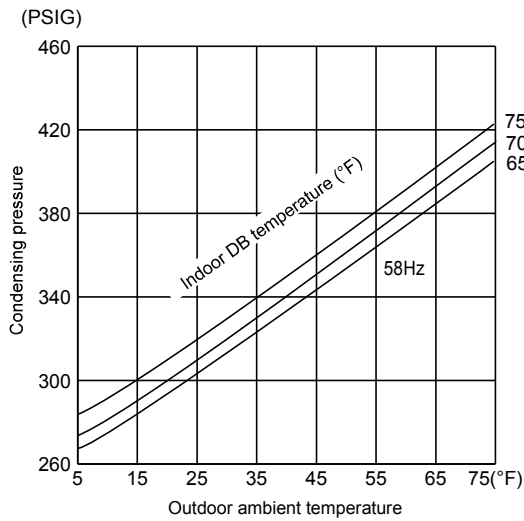
Air flow should be set to High speed.

Data is for heating operation without any frost.

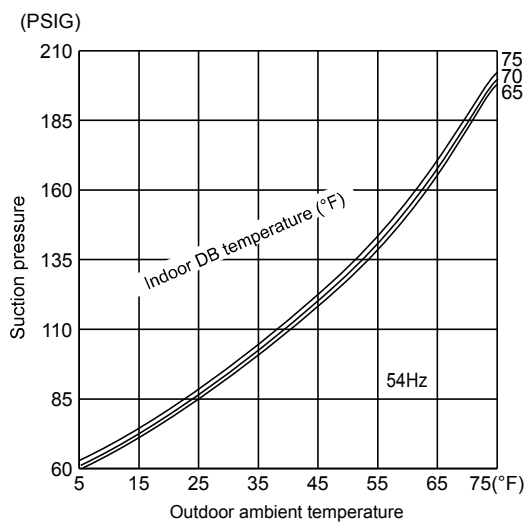
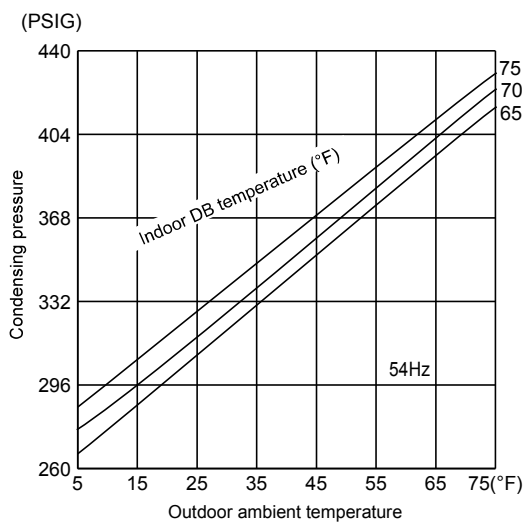
MUZ-GE09NA



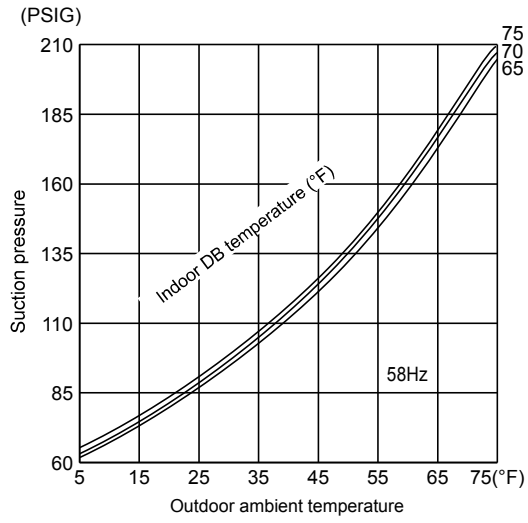
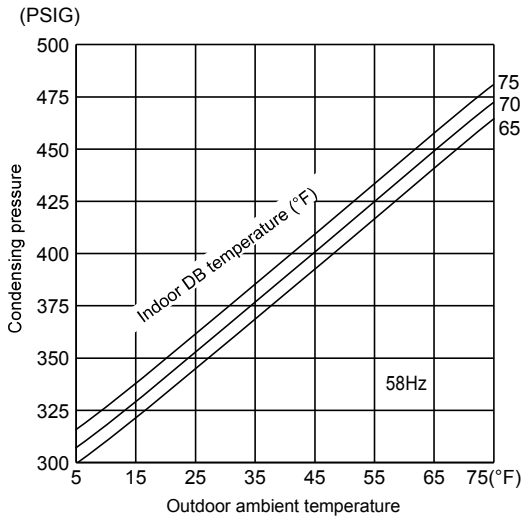
MUZ-GE12NA



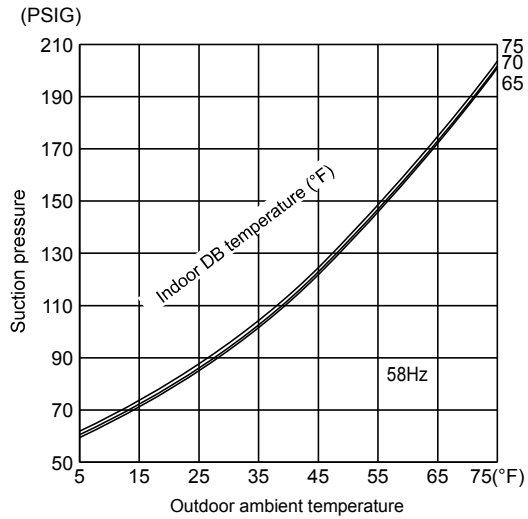
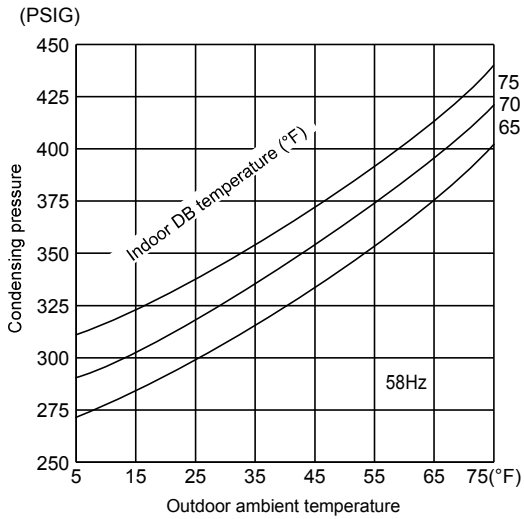
MUZ-GE15NA



MUZ-GE18NA



MUZ-GE24NA



7-4. STANDARD OPERATION DATA

Model			MSZ-GE09NA MSY-GE09NA	MSZ-GE09NA	MSZ-GE12NA MSY-GE12NA	MSZ-GE12NA	
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	9,000	10,900	12,000	14,400	
	SHF	-	0.82	—	0.74	—	
	Input	kW	0.660	0.760	0.960	1.170	
	Rated frequency	Hz	59.5	77.5	69.0	77.0	
Indoor unit			MSZ-GE09NA, MSY-GE09NA		MSZ-GE12NA, MSY-GE12NA		
Power supply (V, Phase, Hz)			208/230, 1, 60				
Electrical circuit	Input	kW	0.022	0.023	0.022	0.023	
	Fan motor current	A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23	
	Outdoor unit			MUZ-GE09NA MUY-GE09NA	MUZ-GE09NA	MUZ-GE12NA MUY-GE12NA	MUZ-GE12NA
	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input	kW	0.638	0.737	0.938	1.147	
	Comp. current	A	3.32/3.00	3.66/3.31	4.39/3.97	5.41/4.89	
	Fan motor current	A	0.27/0.24	0.30/0.27	0.34/0.31	0.31/0.28	
Refrigerant circuit	Condensing pressure	PSIG	389	331	389	397	
	Suction pressure	PSIG	151	103	133	104	
	Discharge temperature	°F	154	152	163	162	
	Condensing temperature	°F	115	103	115	116	
	Suction temperature	°F	59	39	56	35	
	Comp. shell bottom temp	°F	151	149	158	158	
	Ref. pipe length	ft.	25				
Refrigerant charge (R410A)		-	1 lb. 12 oz.		2 lb. 9 oz.		
Indoor unit	Intake air temperature	DB	°F	80	70	80	70
		WB	°F	67	60	67	60
	Discharge air temperature	DB	°F	60	97	56	108
		WB	°F	58	—	55	—
	Fan speed (High)	rpm	1,020	1,040	1,020	1,040	
Airflow (High)	CFM	367 (Wet)	413	367 (Wet)	413		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	—	43	—	43
	Fan speed	rpm	800	850	900	860	
	Airflow	CFM	1151	1225	1229	1172	

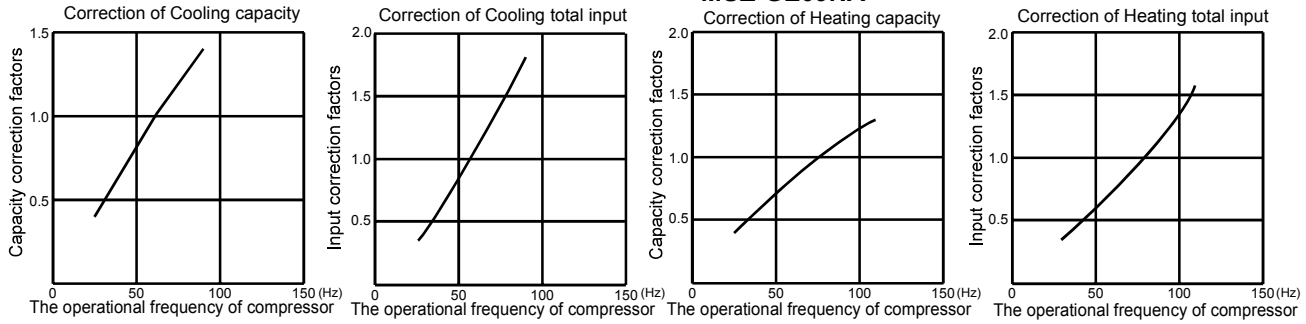


Model		MSZ-GE15NA MSY-GE15NA	MSZ-GE15NA	MSZ-GE18NA MSY-GE18NA	MSZ-GE18NA		
Item	Unit	Cooling	Heating	Cooling	Heating		
Total	Capacity	Btu/h	14,000	18,000	17,200	21,600	
	SHF	-	0.80	—	0.71	—	
	Input	kW	1.080	1.600	1.640	1.900	
	Rated frequency	Hz	55.5	74.0	83.0	84.0	
Indoor unit		MSZ-GE15NA, MSY-GE15NA		MSZ-GE18NA, MSY-GE18NA			
Power supply (V, Phase, Hz)		208/230, 1, 60					
Electrical circuit	Input	kW	0.045	0.031	0.043	0.037	
	Fan motor current	A	0.50/0.45	0.35/0.32	0.43/0.39	0.40/0.36	
	Outdoor unit		MUZ-GE15NA, -^① MUY-GE15NA, -^①	MUZ-GE15NA, -^①	MUZ-GE18NA, -^① MUY-GE18NA, -^①	MUZ-GE18NA, -^①	
	Power supply (V, phase, Hz)		208/230, 1, 60				
	Input	kW	1,035	1,569	1,595	1,860	
	Comp. current	A	4.86/4.40	7.38/6.67	6.97/6.29	8.36/7.55	
	Fan motor current	A	0.33/0.30	0.34/0.31	0.80/0.72	0.64/0.59	
	Refrigerant circuit						
Condensing pressure	PSIG	400	431	376	458		
Suction pressure	PSIG	139	99	117	102		
Discharge temperature	°F	164	179	177	184		
Condensing temperature	°F	117	122	112	127		
Suction temperature	°F	57	31	59	33		
Comp. shell bottom temp	°F	148	165	164	170		
Ref. pipe length	ft.	25					
Refrigerant charge (R410A)	-	2 lb. 9 oz.		3 lb. 7 oz.			
Indoor unit	Intake air temperature	DB	°F	80	70	80	70
		WB	°F	67	60	67	60
	Discharge air temperature	DB	°F	60	114	56	117
		WB	°F	57	—	54	—
	Fan speed (High)	rpm	1,280	1,140	1,280	1,240	
Airflow (High)	CFM	498 (Wet)	463	498 (Wet)	512		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	—	43	—	43
	Fan speed	rpm	910	900	780	740	
	Airflow	CFM	1,243	1,229	1,730	1,659	

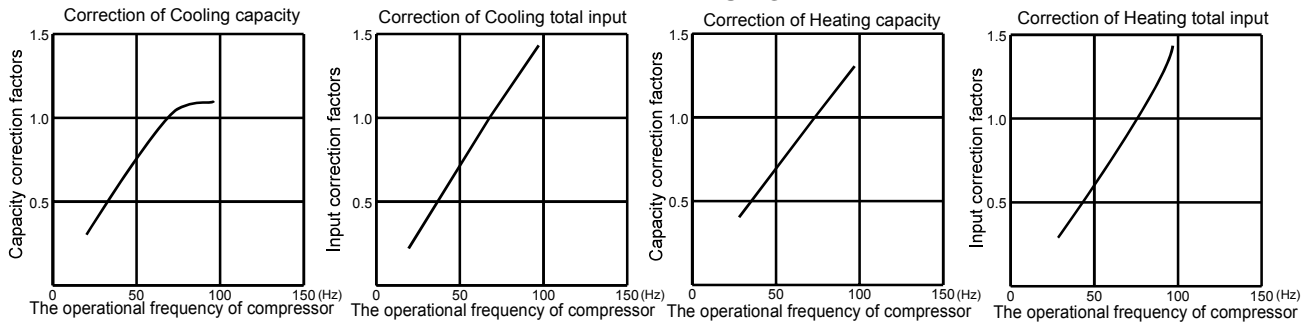
Model			MSZ-GE24NA MSY-GE24NA	MSZ-GE24NA	
Item		Unit	Cooling	Heating	
Total	Capacity	Btu/h	22,500	27,600	
	SHF	-	0.75	—	
	Input	kW	1.800	2.340	
	Rated frequency	Hz	66.5	82.0	
Electrical circuit	Indoor unit		MSZ-GE24NA, MSY-GE24NA		
	Power supply (V, Phase, Hz)		208/230, 1, 60		
	Input	kW	0.058		
	Fan motor current	A	0.56/0.51		
	Outdoor unit		MUZ-GE24NA MUY-GE24NA	MUZ-GE24NA	
	Power supply (V, phase, Hz)		208/230, 1, 60		
	Input	kW	1.742	2.282	
	Comp. current	A	7.01/6.34	9.59/8.67	
	Fan motor current	A	1.61/1.05	1.13/1.02	
	Refrigerant circuit	Condensing pressure	PSIG	395	405
Suction pressure		PSIG	141	102	
Discharge temperature		°F	158	171	
Condensing temperature		°F	115		
Suction temperature		°F	52	33	
Comp. shell bottom temp		°F	140	148	
Ref. pipe length		ft.	25		
Refrigerant charge (R410A)		-	4 lb. 3 oz.		
Indoor unit	Intake air temperature	DB	°F	80	70
		WB	°F	67	60
	Discharge air temperature	DB	°F	56	111
		WB	°F	53	—
	Fan speed (High)	rpm	1,300		
	Airflow (High)	CFM	634 (Wet)	738	
Outdoor unit	Intake air temperature	DB	°F	95	47
		WB	°F	—	43
	Fan speed	rpm	840	810	
	Airflow	CFM	1,769	1,701	

7-5. CAPACITY AND INPUT CORRECTION BY INVERTER OUTPUT FREQUENCY

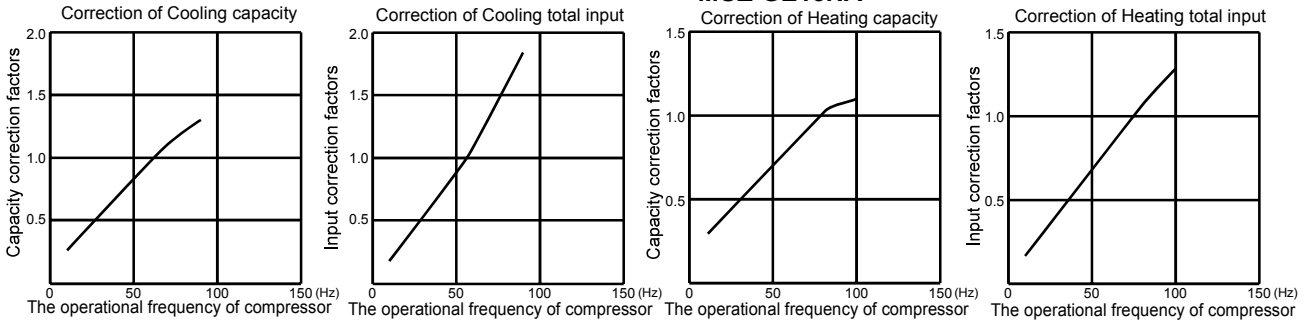
MUZ-GE09NA MUY-GE09NA



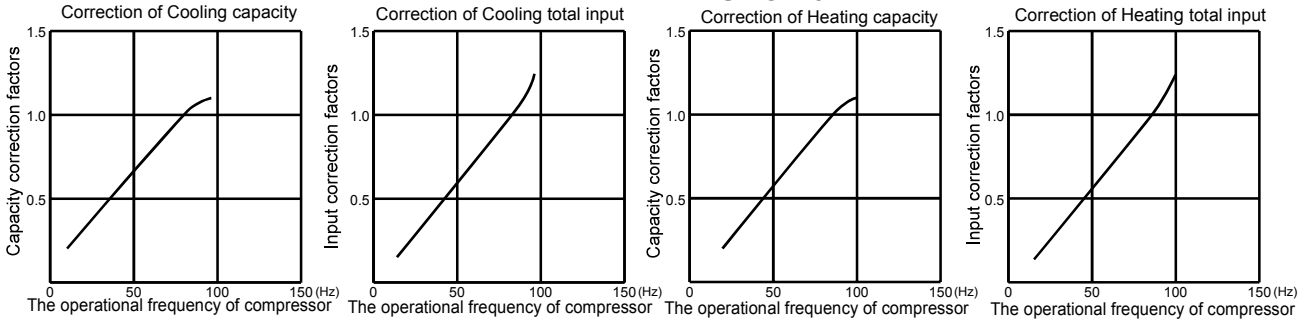
MUZ-GE12NA MUY-GE12NA



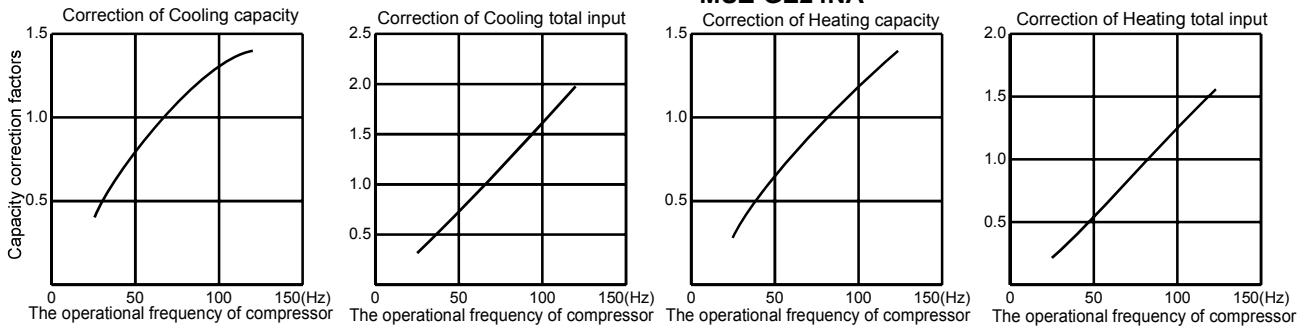
MUZ-GE15NA MUY-GE15NA



MUZ-GE18NA MUY-GE18NA



**MUZ-GE24NA
MUY-GE24NA**



7-6. HOW TO OPERATE FIXED-FREQUENCY OPERATION (Test run operation)

1. Press EMERGENCY OPERATION switch to start COOL or HEAT mode (COOL: Press once, HEAT: Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency in COOL mode or 58 Hz in HEAT mode.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (operation frequency of compressor varies).
6. To cancel test run operation (EMERGENCY OPERATION), press EMERGENCY OPERATION switch or any button on remote controller.