

# ComfortStar®

Comfort... it's in our name

**MRR  
Series**  
2 - 5 Tons  
Condensing Units

UP TO  
**13**  
SEER



Painted galvanized  
Steel cabinet



Twin-rotary DC  
compressor



24V low-voltage  
control



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# 4 Cooling and Heating Models

MRR24-410-C MRR48-410-C  
MRR36-410-C MRR60-410-C

## FEATURES:

- R-410A environmentally friendly refrigerant.
- Painted galvanized steel cabinet.
- Metal coil guard
- 24V low voltage control
- AHRI Certified & ETL Listed.
- Wide operation temperature range: 5°F -118°F
- Mitsubishi Twin-rotary DC compressor reliable quality
- Condenser coils constructed with copper tubing and enhanced aluminum fins.
- 24K&36K use AC motor.  
48K&60K use DC motor.
- Intelligent defrost programs, unit will choose different defrost program according to real condition.

# MRR Series



### Heating Models



- Use EXV as expansion device for outdoor unit in heating mode

### Both Heating and Cooling models



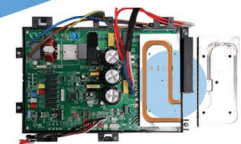
- Discharge temperature protection
- When discharge temp. too high, compressor will stop

### Protection Functions



- Over High and Over Low pressure protection

### Refrigerant pipeline cooling



- The refrigerant pipeline cooling and fin cooling are used to cool the electronic control board.





# MRR-C Series

## Cooling and Heating

UP TO 18 SEER



Model			MRR24-410-C	MRR36-410-C	MRR48-410-C	MRR60-410-C
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Minimum Circuit Ampacity	A	17.7	24.2	31.9	36.5
	Max. Overcurrent Protection	A	30	40	50	60
	Min / MaxVolts	V	187 / 253	187 / 253	187 / 253	187 / 253
Cooling	Capacity	Btu/h	24000	34400	47000	56000
	EER	Btu/h.W	12.00	11.20	11.50	10.70
	SEER	Btu/h.W	17.50	17.50	17.50	17.50
Heating	Capacity		24000	34400	47000	56000
	HSPF		9.50	9.50	9.50	9.50
Outdoor motor	Model		YDK-110-8P2-AL	YDK-110-8P2-AL	DRN-310-200-10	DRN-310-200-10
	Type		AC	AC	DC	DC
	Capacitor	µF	6	6	/	/
	Speed	rpm	870	870	1050	1050
Outdoor Fan	material		Metal	Metal	Metal	Metal
	Type		Axial flow	Axial flow	Axial flow	Axial flow
	Diameter	In.	23	23	23-5/8	23-5/8
	Height	In.	4-3/8	4-3/8	4-1/2	4-1/2
	Air flow	CFM	2400	2950	4100	4100
Outdoor noise level		dB(A)	75	77	79	79
Outdoor unit	Dimension (W×H×D)	mm	740×633×740	740×633×740	740×843×740	740×843×740
		inch	29-1/8×24-15/16×29-1/8	29-1/8×24-15/16×29-1/8	29-1/8×33-3/16×29-1/8	29-1/8×33-3/16×29-1/8
	Packing (W×H×D)	mm	760×660×760	760×660×760	760×875×760	768×875×760
		in.	30-1/5×26-1/4×30-1/5	30-1/5×26-1/4×30-1/5	30-1/5×34-1/2×30-1/5	30-1/5×34-1/2×30-1/5
	Net / Gross weight	kg	71 / 75	71 / 75	91 / 96	91 / 96
		lbs	157 / 165	157 / 165	201 / 211	201 / 211
Refrigerant system	Liquid side / Gas side	in.	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Factory charge R410A	oz	114	114	166	166
	Metering device		EEV	EEV	EEV	EEV
Operating temperatures		°F	5-118	5-118	5-118	5-118

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# MRR-G Series

## Cooling Only



Model			MRR24-410-G	MRR36-410-G	MRR48-410-G	MRR60-410-G
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Minimum Circuit Ampacity	A	17.7	24.2	31.9	36.5
	Max. Overcurrent Protection	A	25	40	50	60
	Min / Max Volts	V	187 / 253	187 / 253	187 / 253	187 / 253
Cooling	Capacity	Btu/h	24000	36000	48000	56000
	EER	Btu/h.W	11.60	11.30	12.10	10.70
	SEER	Btu/h.W	18.00	18.00	18.00	18.00
Outdoor motor	Model		YDK-110-8P2-AL	YDK-110-8P2-AL	DRN-310-200-10	DRN-310-200-10
	Type		AC	AC	DC	DC
	Capacitor	µF	6	6	/	/
	Speed	rpm	850	850	1050	1050
Outdoor Fan	material		Metal	Metal	Metal	Metal
	Type		Axial flow	Axial flow	Axial flow	Axial flow
	Diameter	In.	23	23	23-5/8	23-5/8
	Height	In.	4-3/8	4-3/8	4-1/2	4-1/2
	Air flow	CFM	2950	2950	4100	4100
Outdoor noise level		dB(A)	75	77	79	79
Outdoor unit	Dimension (W×H×D)	mm	740×633×740	740×633×740	740×843×740	740×843×740
		inch	29-1/8×24-15/16×29-1/8	29-1/8×24-15/16×29-1/8	29-1/8×33-3/16×29-1/8	29-1/8×33-3/16×29-1/8
	Packing (W×H×D)	mm	760×660×760	760×660×760	760×875×760	760×875×760
		in.	30-1/5×26-1/4×30-1/5	30-1/5×26-1/4×30-1/5	30-1/5×34-1/2×30-1/5	30-1/5×34-1/2×30-1/5
	Net / Gross weight	kg	68/72	68/72	88/93	88/93
		lbs	150/159	150/159	194/205	194/205
Refrigerant system	Liquid side / Gas side	in.	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
	Factory charge R410A	oz	114	114	166	166
	Metering device		TXV	TXV	TXV	TXV
Operating temperatures		°F	53-118	53-118	53-118	53-118

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