



# General Metals MFG & Supply CO.

2727 W. Weldon Ave. Phoenix, AZ  
 Email: gminfo@generalmetals.com  
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 Phone: 602.264.4815

## MEH-24AiH2

Project Name:		Approval:	
Location:		Date:	
Engineer:		Construction:	
Submitted to:		Unit #:	
Submitted by:		Drawing #:	
Reference:			

Code	2T0033000467
Factory model	US1-KFR67GW/BP2N1Y-11M1(T0)-W
Indoor code	220033005030
Indoor unit factory model	US1-KFR67G/BP2N1Y-11M1(T0)-W
Outdoor code	220038003780
Outdoor unit factory model	US1-KFR67W/BP3N1-310(T0)-W
Model	MEH-24AiH2
Indoor	MEH-24AiH2
Outdoor	MCHU-24AVH2



## Oasis Series 2 Ton Heat Pump Air Handler

### PERFORMANCE DATA

Power supply	Ph-V-Hz	208-230V~ 60Hz, 1Ph
<b>Cooling</b>		
Capacity	Btu/h	23000
Input	W	1840
Rated current	A	8
EER	Btu/w	12.5
SEER	Btu/w	19
<b>Heating</b>		
Capacity	Btu/h	24000
Input	W	2010
Rated current	A	8.739130435
COP	W/W	3.7
HSPF4		9
HSPF5		/
Low temperature heating capacity (2°C)	Btu/h	20860
Low temperature heating capacity (-7°C)	Btu/h	18170
MINIMUM CIRCUIT AMPACITY	A	15.0
MAX.FUSE	A	25.0
Moisture Removal	L/h	2.5

### Compressor Electrical

Model		DA250S2C-30MT
Type		Twin-rotary
Brand		GMCC
Capacity	Btu/h	26289
Input	W	2120
Rated current(RLA)	A	8.85
Locked rotor Amp(LRA)	A	----
Thermal protector		----
Thermal protector position		----
Refrigerant oil/oil charge	ml	ESTER OIL VG74/820
Connection wiring		16AWG*4
Plug type		/

### INDOOR UNIT DATA

Indoor fan motor		
Model		RPG50B
Brand		Welling
Input		102
RLA	A	0.36
LRA	A	0.66
Winding Resistance	Ω	100.5/64.5
Capacitor	uF	3.5
Speed(Hi/Mi/Lo)	r/min	1250 / 1100 / 900
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Mi/Lo)	CFM	850/770/620
Indoor noise level (Hi/Mi/Lo)	dB(A)	50/45/40

### Indoor unit

Dimension(W*D*H)	inch	46.69x10.16x13.39
Packing (W*D*H)	inch	49.80x16.53x13.39
Net/Gross weight	lbs.	40.79/50.71

### OUTDOOR UNIT DATA

Outdoor fan motor		
Model		WZDK72-38G
Brand		Panasonic
Input		72(Output)
RLA	A	0.55
LRA	A	/
Winding Resistance	Ω	/
Capacitor	uF	--
Speed	r/min	850
<b>Air flow &amp; Noise level</b>		
Outdoor air flow	CFM	2060
Outdoor noise level	dB(A)	60

### Outdoor unit

Dimension(W*D*H)	inch	35.43x12.40x33.86
Packing (W*D*H)	inch	41.06x15.55x36.02





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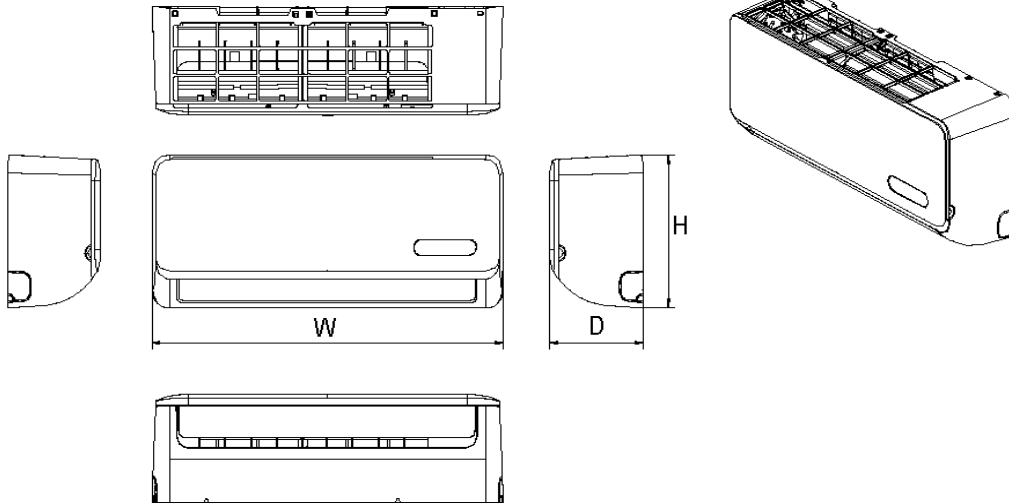
## MEH-24AiH2

Thermostat type		Remote Control	Net/Gross weight	lbs.	130.07/138.89
<b>SYSTEM DATA</b>			<b>Operation temperature</b>		
Design pressure	MPa	550/340 PSIG	Indoor(cooling/ heating)	Deg. F	62~90/32~86
Refrigerant type	oz	R410A/85.7	Outdoor(cooling/heating)	Deg. F	5~122/5~86
Refrigerant precharge	ft	25	Outdoor(cooling/heating)-optional	Deg. F	/
Additional charge per ft.	oz	0.322			
Liquid side/ Gas side	mm(in)	Φ9.52/Φ15.9(3/8"/5/8")			
Max. refrigerant pipe length	ft	98			
Max. difference in level	ft.	66			
Application area	sq.ft	363-605			

## Oasis Series

### INDOOR UNIT

### 2 Ton Heat Pump Air Handler

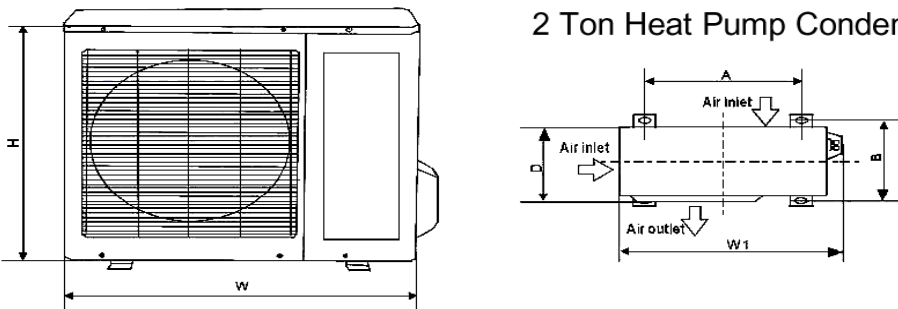


Model	W (inch)	H (inch)	D (inch)
MEH-24AiH2	46.69	10.16	13.39

### OUTDOOR UNIT

## Oasis Series

### 2 Ton Heat Pump Condenser



Model	W (inch)	H (inch)	D (inch)	W1 (inch)	A (inch)	B (inch)
MCHU-24AVH2	35.43	12.40	33.86	38.58	23.23	13.11

