

# Wall Mounted Air Handler

Allows Customized Air Volume For The Whole Home



SEER2 Up to  
**19.3**

EER2 Up to  
**12.1**

HSPF4 Up to  
**10.8**



## Advanced Components

- 1 Compatible with 485 or 24V: automatically identifying the control mode, no need for manual conversion. The indoor unit is designed to be compatible with both 115V and 230V power. The default setting is 230V. You can manually set it to 115V.
- 2 Constant CFM ECM motor provides consistent airflow up to 0.8 in. w.c.
- 3 Electronic expansion valve (EEV) control: better throttling for highly efficient operation.
- 4 Optional auxiliary heat kits available up to 10 kW.
- 5 All-Aluminium Coil: Preventing pitting and corrosion
- 6 Quiet Operation - inverter system runs at significantly lower dB(A) level.
- 7 A2L Detection Sensor
- 8 Nitrogen protection: The indoor unit is nitrogen-charged; you will know if there is a leak on the Indoor unit before making connections.

# Four Capacities - Two Cabinet Sizes

**A** 1.5-2 tons: 20-1/4"×15-3/4"×36-1/2"

**B** 2.5-3 tons: 22"×19"×40"



Model	Indoor Model		MAWHE-H18B-2A	MAWHE-H24B-2A	MAWHE-H30B-2A	MAWHE-H36B-2A
	Outdoor Model		MO1HE-H18B-2A	MO1HE-H24B-2A	MO1HE-H30B-2A	MO1SE-H36B-2A
Power Supply	IDU Power Supply (Volts; Hz; Phase)		115V/208/230V,60Hz,1Ph			
	ODU Power Supply (Volts; Hz; Phase)		208/230V,60Hz,1Ph			
Unit Performance	Cooling Capacity	Btu/h	18,000	24,000	30,000	36,000
	SEER2	Btu/h/W	19.3	17.5	17.5	16.8
	EER2	Btu/h/W	12.1	10.8	11.7	11.2
	Cooling Capacity Range	Btu/h	6,600 ~ 21,900	9,000 ~ 27,600	11,900 ~ 37,800	13,700 ~ 41,500
	Heating Capacity	Btu/h	19,000	25,000	32,000	37,000
	HSPF2-4	Btu/h/W	10.8	10.5	10.2	9.6
	HSPF2-5	Btu/h/W	9.2	8.2	8.2	8
	COP	WW	3.8	3.8	3.45	3.4
	Heating Capacity Range	Btu/h	6,800 ~ 23,000	7,000 ~ 32,200	10,300 ~ 40,200	10,100 ~ 48,500
	Moisture Removal	kg/h	1.73	2.5	3.34	3.47
	Communication Wiring		AWG 20-2	AWG 20-2	AWG 20-2	AWG 20-2
	Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)	CFM	618 / 577 / 530 / 489 / 489	824 / 759 / 695 / 630 / 630	989 / 895 / 806 / 712 / 712	1189 / 1083 / 971 / 865 / 865
	Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)	dB(A)	48 / 47 / 45 / 39 / 39	53 / 51 / 48 / 37.5 / 37.5	51 / 50 / 46 / 35 / 35	52 / 52 / 48.5 / 36.5 / 36.5
	Outdoor Air Flow	CFM	1,766	1,766	3,002	3,002
Outdoor Noise Level (Hi)	dB(A)	58.5	59	62.5	64	
Refrigerant & Piping	N.A. Design Pressure	PSI	550 / 340	550 / 340	550 / 340	550 / 340
	Outdoor Refrigerant Type		R454B	R454B	R454B	R454B
	Outdoor Refrigerant Charge	oz	74	74	106	127
	Outdoor Additional Charge	oz/ft	0.7	0.7	0.7	0.7
	Liquid side	inch	3/8"			
	Gas side	inch	3/4"			
	Max. Piping Length	ft	98	164	164	246
	Max. Height Difference	ft	66	82	82	98
	Indoor Operating Temp. Range (Cooling)	°F	60~90			
	Outdoor Operating Temp. Range (Cooling)	°F	-22~122			
Indoor Operating Temp. Range (Heating)	°F	32~86				
Outdoor Operating Temp. Range (Heating)	°F	-22~75				
Size & Weight	Indoor Unit Net/Gross Weight	lb	91 / 111	91 / 111	110 / 131	110 / 131
	Indoor Unit Dimension WxDxH	inch	20-1/4 x 15-3/4 x 36-1/2	20-1/4 x 15-3/4 x 36-1/2	22 x 19 x 40	22 x 19 x 40
	Indoor Package Dimension WxDxH	inch	22-7/8 x 19-1/2 x 42-7/8	22-7/8 x 19-1/2 x 42-7/8	24-5/8 x 22-7/8 x 47	24-5/8 x 22-7/8 x 47
	Outdoor Unit Net/Gross Weight	lb	101 / 109	102 / 109	164 / 175	204 / 235
	Outdoor Unit Dimension WxDxH	inch	35 x 13-1/2 x 26-1/2	35 x 13-1/2 x 26-1/2	37-1/4 x 16-1/8 x 31-7/8	38-9/16 x 16-3/8 x 38-3/8
	Outdoor Package Dimension WxDxH	inch	39-1/8 x 15-5/8 x 29-1/8	39-1/8 x 15-5/8 x 29-1/8	42-7/8 x 19-5/8 x 34-7/8	45-1/16 x 19-11/16 x 42-1/2
Indoor Electrical Motor	Indoor Indoor Fan Motor Model		ZKFD-250-10-5	ZKFD-250-10-5	ZKFD-375-10-5	ZKFD-375-10-5
	Indoor Output	W	250	250	375	375
Outdoor Electrical Motor	Outdoor Outdoor Fan Motor Model		ZKFN-80-8-3	ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-250-10-1
	Outdoor Outdoor Fan Motor Speed (Hi/Mid/Lo)	r/min	780/700/550	810/700/450	950/850/750	800/750/650
Compressor	Outdoor Compressor Type		TWIN-ROTARY	TWIN-ROTARY	TWIN-ROTARY	TWIN-ROTARY
	Outdoor Compressor Model		KTM240D46UKT2	KTM240D46UKT2	MTH356UKRC8FQL	EKPQ420D1UMUA
	Outdoor Compressor Brand		GMCC	GMCC	HIGHLY	GMCC
	Outdoor Compressor Capacity	W	7,600	7,600	10,350	12,000
	Outdoor Compressor Input Power	W	2045	2045	3200	3265
	Outdoor Compressor Rated Current	A	9.3	9.3	12.2	6.6
	Outdoor Refrigerant Oil		VG74	VG74	VG74	VG74
Outdoor Refrigerant Oil Charge	mL	620	620	1,300	1,460	