



MEW-SYS

High Wall Mini Split Heat Pump System



Mid Efficiency Mini Split System, with Inverter Technology

3/4 Ton - 2 Ton, with Efficiencies up to 16.80 SEER2 and 10.5 EER2



The MEW-SYS is a highly efficient split system, with a high wall mini split fan coil and an outdoor side discharge heat pump unit. The indoor fan coil can be installed in various locations. This high efficient system supplies comfortable cooling and heating performance at low sound levels.

Typical installations for the MEW-SYS include:

- Apartments
- Condominiums
- Independent Care Facilities
- Pre Manufactured Homes
- Single Family Home Additions
- Modular Buildings
- Student Housing
- Offices
- Stores



Features

Highly Efficient / High Performance

- Highly Efficient Inverter Compressor, with Efficiencies up to 16.80 SEER2
- Low Amp Draw DC motor in Outdoor HP

Quiet Operation, Inside and Outside

- Low Sone DC motor in MEW Fan Coil
- Quiet Inverter Compressor in Outdoor Heat Pump, with low Sound Levels

Heating at Low Ambient Conditions

- Standard Base Pan Heaters

Controls

- Standard Wireless Remote or Optional Wired Wall Controller
- Optional WiFi Module available

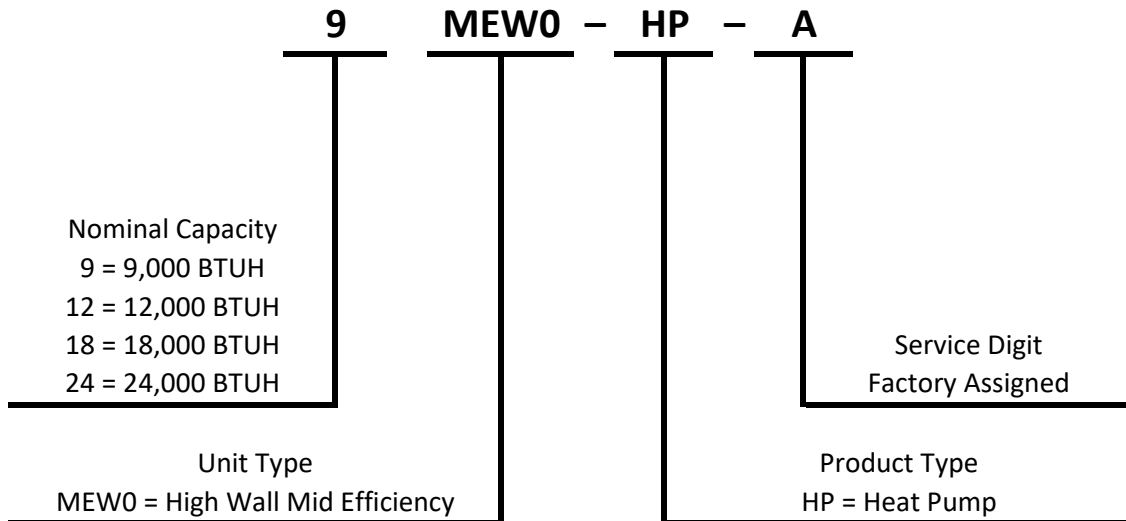
Design

- Gold Fin Coil Protection on Indoor Fan Coil and Outdoor Heat Pump
- Automatic Restart Function
- Follow Me Function with Wireless Remote Control
- Turbo Mode
- Low Refrigerant Pressure Notification

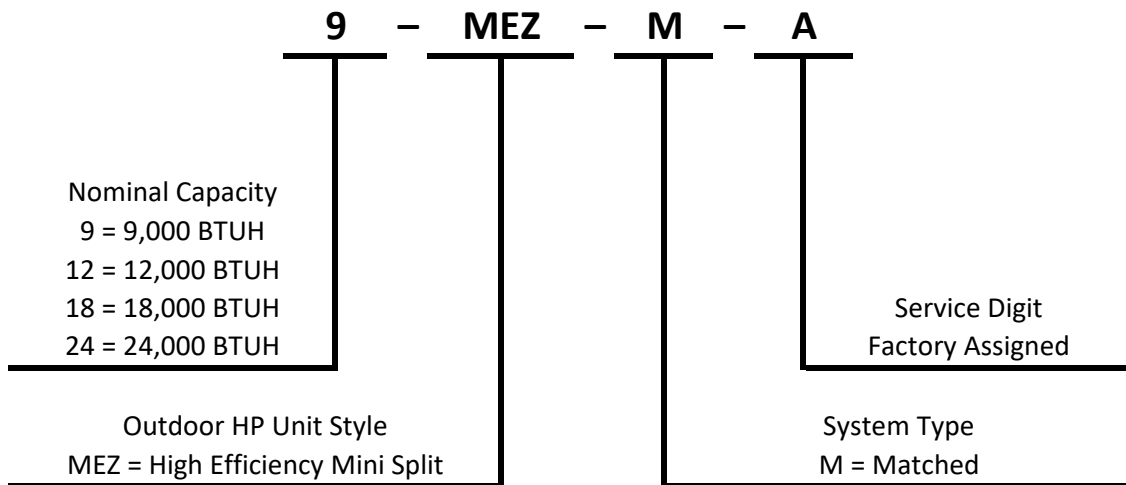


Nomenclature

Indoor Unit



Outdoor Unit



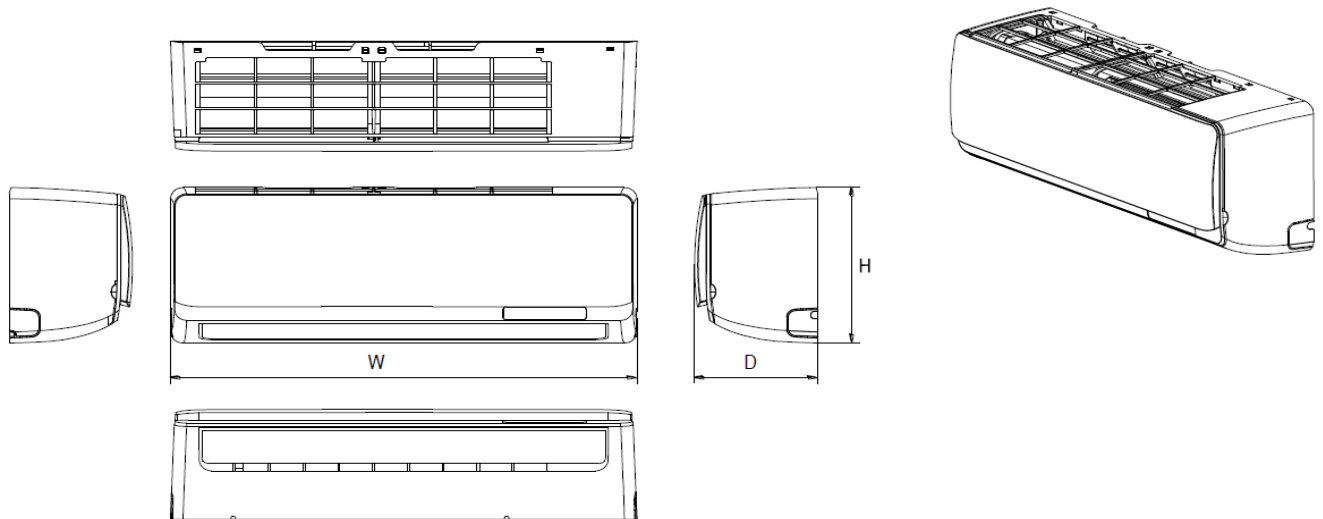
System

System Model Number	Indoor Unit	Outdoor Unit
9MEW0-115-SYS	9MEW0-115-HP-A	9MEZ-115-M-A
9MEW0-SYS	9MEW0-HP-A	9MEZ-M-A
12MEW0-115-SYS	12MEW0-115-HP-A	12MEZ-115-M-A
12MEW0-SYS	12MEW0-HP-A	12MEZ-M-A
18MEW0-SYS	18MEW0-HP-A	18MEZ-M-A
24MEW0-SYS	24MEW0-HP-A	24MEZ-M-A

MEW

3/4 ton - 2 ton High Wall Fan Coil

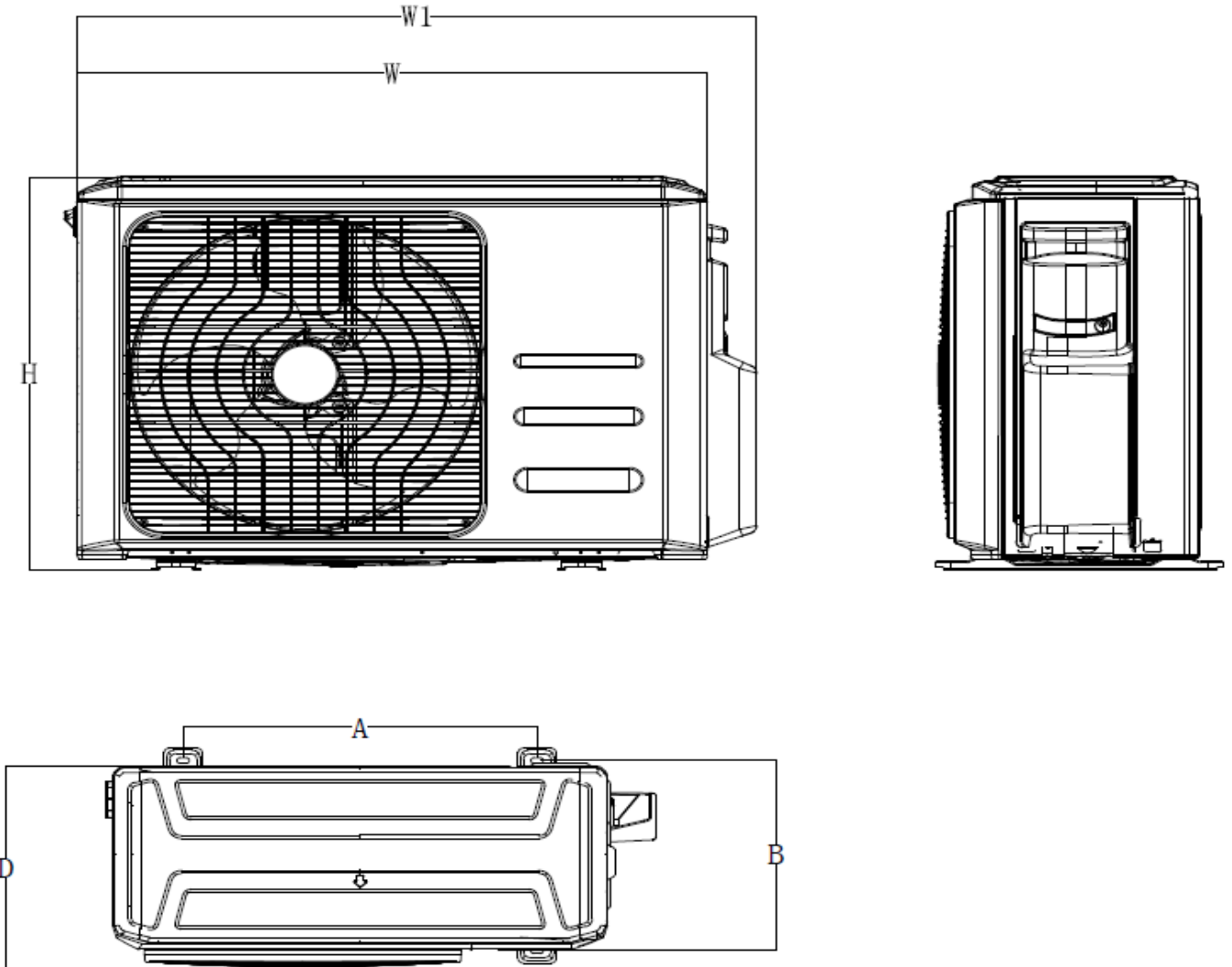
Dimensional Data



Unit	H	W	D	Weight
9MEW0-115-HP-A	11.22	31.7	7.64	17.2
9MEW0-HP-A	11.22	31.7	7.64	17.2
12MEW0-115-HP-A	11.22	31.7	7.64	17.2
12MEW0-HP-A	11.22	31.7	7.64	17.2
18MEW0-HP-A	11.89	37.7	8.39	22.9
24MEW0-HP-A	12.87	40.95	8.66	28.9
Dimensions shown are in Inches				
Weights shown are in lbs				



Dimensional Data



Unit	Unit Width (W)	Unit Depth (D)	Unit Height (H)	W1	Bracket Width (A)	Bracket Depth (B)	Weight
9MEZ-115-M-A	28.35	11.06	19.50	31.11	17.80	10.04	53
9MEZ-M-A	28.35	11.06	19.50	31.11	17.80	10.04	53
12MEZ-115-M-A	28.35	11.06	19.50	31.11	17.80	10.04	53
12MEZ-M-A	28.35	11.06	19.50	31.11	17.80	10.04	53
18MEZ-M-A	30.12	11.90	21.85	32.87	17.80	11.26	64
24MEZ-M-A	35.04	13.46	26.50	37.60	26.10	13.70	98
Dimensions shown are in Inches							
Weights shown are in lbs							

MEW-SYS

3/4 ton - 2 ton HP Systems

System Specifications

System Model			9MEW0-SYS	12MEW0-SYS	18MEW0-SYS	24MEW0-SYS
Indoor Model			9MEW0-HP-A	12MEW0-HP-A	18MEW0-HP-A	24MEW0-HP-A
Outdoor Model			9MEZ-M-A	12MEZ-M-A	18MEZ-M-A	24MEZ-M-A
Power supply		V/Hz/Ph	208/230/60/1	208/230/60/1	208/230/60/1	208/230/60/1
Cooling	Capacity	Btu/h	9000	12000	17000	24000
	Input	W	1365	1365	1720	2695
	Rated current	A	5.9	5.9	7.6	12.3
	EER2	Btu/W	10.5	8.8	9.9	8.9
	SEER2		16.70	16.80	16.80	16.70
Heating	Capacity	Btu/h	10000	12000	18000	24000
	Input	W	1212	1212	1700	2475
	Rated current	A	5.27	5.27	7.50	11.3
	COP	W/W	2.9	2.9	3.1	2.8
	HSPF2		8.8	8.8	8.7	8.0
Fan Coil Power Supply			Fan Coil Powered from Outdoor Heat Pump			
Minimum Circuit Ampacity		A	12	12	15	19
MAX.FUSE		A	15	15	20	30
Indoor air flow (Hi/Med/Lo)		CFM	318 / 241 / 176	318 / 241 / 176	464 / 369 / 275	565 / 447 / 341
Indoor noise level (Hi/Med/Lo)		dB(A)	41.5 / 34.5 / 25.5	41.5 / 34.5 / 25.5	44.0 / 38.0 / 30.0	46.0 / 40.0 / 33.5
Outdoor air flow (maximum)		CFM	1059	1059	1235	1765
Outdoor noise level		dB(A)	55	55	57	59
Refrigerant / Precharge Amt		oz	R410A / 25.75	R410A / 25.75	R410A / 47.97	R410A / 62.8
Refrigerant precharge		ft	25	25	25	25
Additional charge for each ft		oz	0.16	0.16	0.16	0.16
Design pressure		PSIG	550 / 340	550 / 340	550 / 340	550 / 340
Drain Line Diameter		inch	ODΦ1	ODΦ1	ODΦ1	ODΦ1
Refrigerant Piping	Liquid / Suction	inch	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8
	Max. Pipe Length	ft	82	82	98	98
	Max. Pipe Lift	ft	33	33	66	66
Connection wiring			16AWG*4 Stranded, unshielded			
Thermostat Type			Wireless Remote Control or Wired Wall Controller			
Room Temperature	Indoor Cooling	°F	63 ~ 90	63 ~ 90	63 ~ 90	63 ~ 90
	Indoor Heating	°F	32 ~ 86	32 ~ 86	32 ~ 86	32 ~ 86
	Outdoor Cooling	°F	5 ~ 122	5 ~ 122	5 ~ 122	5 ~ 122
	Outdoor Heating	°F	5 ~ 75	5 ~ 75	5 ~ 75	5 ~ 75

Control Options

Part Number	Description
MWRC	Wireless infrared remote controller with timer, sleep function, follow me and turbo function. (Included with each HWMS-HH system.)
SWC12BST	Standard wired wall controller with operation mode control, timer and follow me functions.
DWC120X2	Deluxe wired wall controller with programmable weekly timer, auto-restart, child lock, and follow me functions. The DWC120X2 also functions as a receiver for the MWRC remote controller.
WFI-MS1	Wifi Smart Kit that will allow the system to connect to WiFi.



MWRC
Wireless Remote



SWC12BST
Standard Wired



DWC120X2
Deluxe Wired Wall



WFI-MS1
WiFi Interface
Module



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