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SUBMITTAL

M5MHWUN24A1N0AA / 23 Series Split System (R-454B) Single-Zone, M5THS2324A11NAA Inverter System, 24,000 BTU/Hr

Specifications - General Data IP

Cooling @95F	Rated Capacity	23000	BTUH
	Capacity Range	7550~24700	BTUH
	Rated Power Input	1860	W
	Dehumidying Volume	2.6	Pints/h
Heating @47F	Rated Capacity	25000	BTUH
	Capacity Range	8700~31000	BTUH
	Rated Power Input	2000	W
Heating @17F	Rated Capacity	20800	BTUH
	Capacity Range	9700~22000	BTUH
	Rated Power Input	2960	W
Heating @5F	Rated Capacity	18900	BTUH
	Capacity Range	10100~19500	BTUH
	Rated Power Input	2870	W
Heating @ -13F	Rated Capacity	N/A	BTUH
	Capacity Range	N/A	BTUH
	Rated Power Input	N/A	W
Efficiency	SEER2	23	
	EER2	12	
	HSPF2 [Region I, II, III, or IV etc.]	9.5(Region IV) 8.2(Region V)	
	COP @ 47F	3.41	
	Energy Star Certified	Yes	
Electrical	Voltage	208/230	V
	Phase	1	PH
	Frequency	60	Hz
	Maximum Fuse Size	25	A
Indoor Unit	Model Number	M5MHWUN24A1N0AA	
	MCA	0.6	A
	Fan Motor FLA	0.3	A
	Fan Motor Type	DC	Motor Type
	Motor Speed	1250	RPM
	Motor Horsepower	0.094	HP
	Airflow	735	CFM
	Refrigerant Control	Capillary Tube	
	Sound Pressure Level	50	dB(A)
	Unit Dimensions	43.31×13.11×8.74	Inch
	Package Dimensions	45.87×15.95×11.61	Inch
	Unit Weight	30.9	lbs
	Shipping Weight	35.3	lbs
	Evaporator Coil Type	copper	
	Heat Exchanger Coating	Hydrophilic grilled hole Fin	

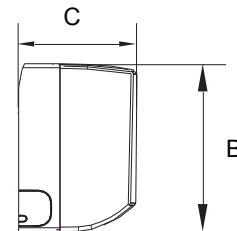
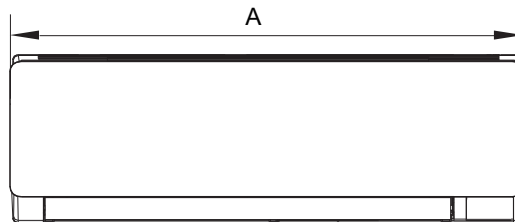
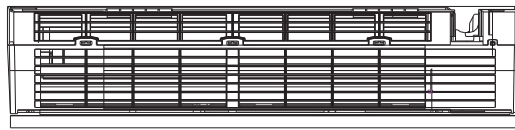
Outdoor Unit	Model Number	M5THS2324A11NAA	
	MCA	17	A
	MOP	25	A
	Fan Motor Output	85	W
	Motor Speed	850	RPM
	Airflow	735	CFM
	Refrigerant Control	Capillary Tube	
	Defrost Method	Automatic Defrosting	
	Sound Pressure Level	54	dB(A)
	Compressor Type	Inverter Rotery	
	Compressor Oil	FV68S 600ml	
	Condenser Coil Type	copper	
	Unit Dimensions	35.83x16.54x31.50	Inch
	Package Dimensions	40.47x19.09x33.46	Inch
	Unit Weight	104.7	lbs
	Shipping Weight	119	lbs
Operating Temparture Range	Operating Temperature Range - Cooling	5~131/-15~55	F / C
	Operating Temperature Range - Heating	-13~86/-25~30	F / C
Refrigerant	Type	R454B	
	Charge	3.44/55.03	lbs, oz
	Gas Line Size	1/2"	Inch
	Liquid Line Size	1/4"	Inch

NOTES:

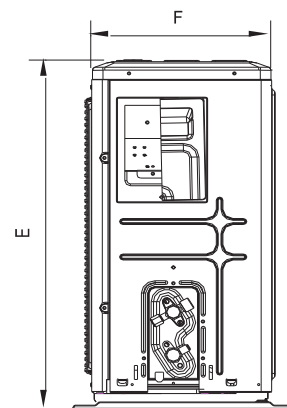
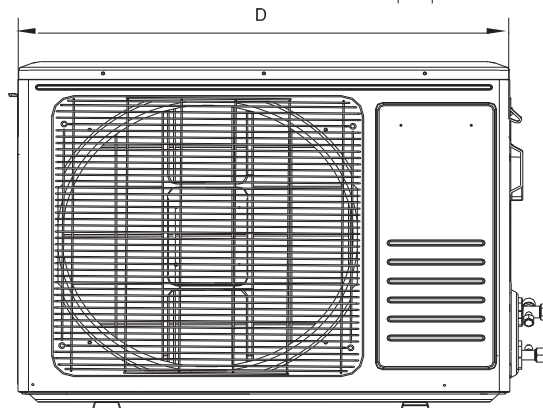
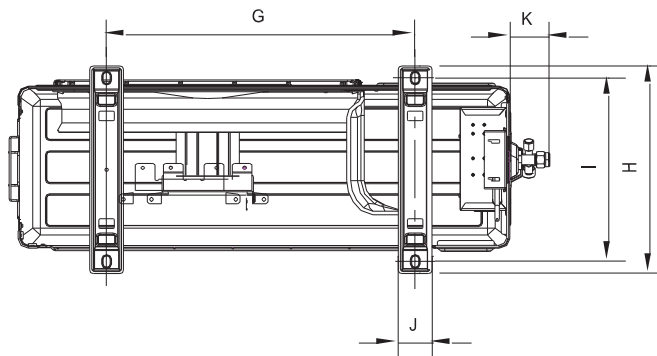
- The refrigerant charge mentioned in the technical data does not include additional charge required for the indoor unit and refrigerant pipe.
- The amount of the additional refrigerant charge depends on the length of the liquid refrigerant pipe installed.
- Record the additional refrigerant charge for future maintenance.

Unit Dimensions

Indoor Unit:



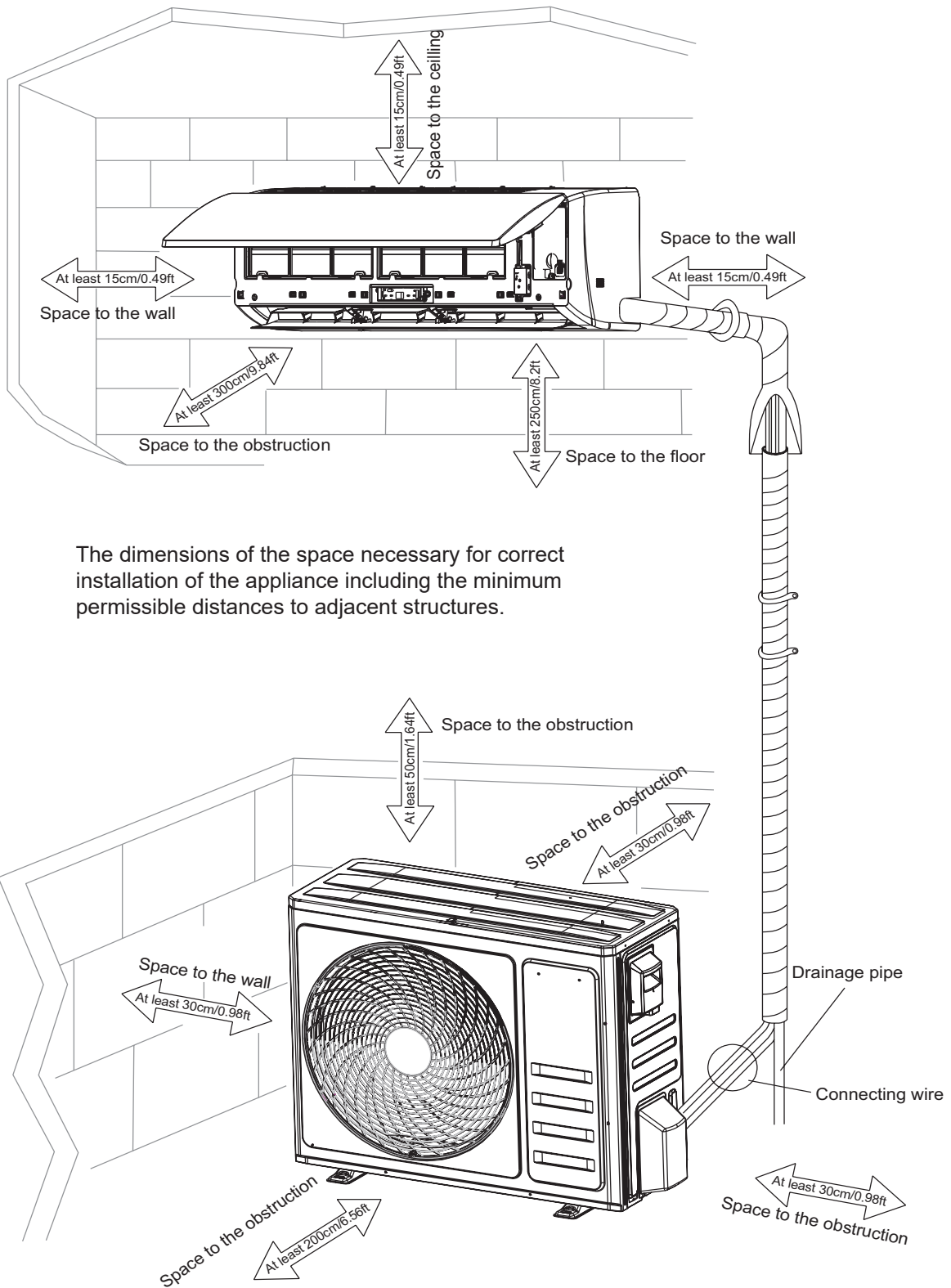
Outdoor Unit:



Unit: inch/mm

Model	Indoor unit (inch/mm)			Outdoor unit (inch/mm)							
	A	B	C	D	E	F	G	H	I	J	K
24000BTU	43.19/ 1097	13.07/ 332	8.74/ 222	35.59/ 904	31.61/ 803	13.90/ 353	23.90/ 607	16.57/ 421	15.35/ 390	2.48/ 63	2.44/ 62

Clearance Requirements



Note:

The maximum recommended height from the floor to the bottom of the indoor unit is 11.5 ft. (3.5 m).

Performance Data

M5MHWUN24A1N0AA / M5THS2324A11NAA - Cooling Mode Performance Data

Outdoor		70F DB (21C)		75F DB (24C)		80F DB (27C)		90F DB (32C)	
Coil air		59F WB (15C)		63F WB (17C)		67F WB (19C)		73F WB (23C)	
DB F	DB C	TC*	SHC**	TC	SHC	TC	SHC	TC	SHC
5	-15	12684	8971	13635	9550	15337	10914	17269	9571
14	-10	15250	10786	16393	11482	18440	13122	20764	11508
23	-5	17636	12474	18958	13278	21325	15175	24012	13309
34	1	18494	13081	19880	13924	22362	15913	25180	13956
54	12	15393	10887	16546	11589	18612	13245	20958	11616
68	20	16159	11430	17371	12167	19540	13905	22002	12194
77	25	16864	11928	18129	12697	20392	14511	22961	12726
86	30	17908	12666	19250	13483	21654	15409	24382	13514
95	35	18472	13065	19857	13908	22336	15894	25150	13939
109	43	19239	13608	20681	14485	23263	16554	26194	14518
118	48	18561	13129	19953	13975	22444	15971	25272	14007
131	55	9800	6932	10535	7378	11850	8432	13343	7395

*Total Capacity (BtuH) **Sensible Heat Capacity (BtuH)

M5MHWUN24A1N0AA / M5THS2324A11NAA - Heating Mode Performance Data

Outdoor		70F DB (21C)	75F DB (24C)	80F DB (27C)
Coil air		59F WB (15C)	63F WB (17C)	67F WB (19C)
DB F	DB C	TC*	TC	TC
-13	-25	14298	14082	13819
-4	-20	16497	16248	15944
0	-18	17828	17559	17231
5	-15	19297	19005	18650
17	-8	21323	21001	20608
25	-4	21729	21401	21001
32	0	23088	22739	22314
35	2	23088	22739	22314
39	4	26710	26307	25815
47	8	31773	31293	30708
54	12	31773	31293	30708
57	14	31967	31484	30896

*Total Capacity (BtuH)

Capacities in these performance tables reflect normal operation at the temperatures indicated. See specification tables above for certified values under prescribed test conditions.

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