

TAG: _____

SUBMITTAL

M5MHWUN12A1N0AA / 23 Series Split System (R-454B) Single-Zone, M5THS2312A11NAA Inverter System, 12,000 BTU/Hr

Specifications - General Data IP

Cooling @95F	Rated Capacity	12000	BTUH
	Capacity Range	2000~13100	BTUH
	Rated Power Input	970	W
	Dehumidying Volume	1.6	Pints/h
Heating @47F	Rated Capacity	12600	BTUH
	Capacity Range	3100~13800	BTUH
	Rated Power Input	925	W
Heating @17F	Rated Capacity	8100	BTUH
	Capacity Range	4100~9700	BTUH
	Rated Power Input	769	W
Heating @5F	Rated Capacity	9100	BTUH
	Capacity Range	4300~9100	BTUH
	Rated Power Input	760	W
Heating @ -13F	Rated Capacity	N/A	BTUH
	Capacity Range	N/A	BTUH
	Rated Power Input	N/A	W
Efficiency	SEER2	24	
	EER2	13	
	HSPF2 [Region I, II, III, or IV etc.]	10(Region IV) 8.6(Region V)	
	COP @ 47F	3.81	
	Energy Star Certified	Yes	
Electrical	Voltage	208/230	V
	Phase	1	PH
	Frequency	60	Hz
	Maximum Fuse Size	15	A
Indoor Unit	Model Number	M5MHWUN12A1N0AA	
	MCA	0.6	A
	Fan Motor FLA	0.3	A
	Fan Motor Type	DC	Motor Type
	Motor Speed	1270	RPM
	Motor Horsepower	0.094	HP
	Airflow	471	CFM
	Refrigerant Control	Capillary Tube	
	Sound Pressure Level	46	dB(A)
	Unit Dimensions	36.22×12.05×7.68	Inch
	Package Dimensions	38.98×14.96×10.43	Inch
	Unit Weight	23.1	lbs
	Shipping Weight	30.9	lbs
	Evaporator Coil Type	copper	
	Heat Exchanger Coating	Hydrophilic grilled hole Fin	

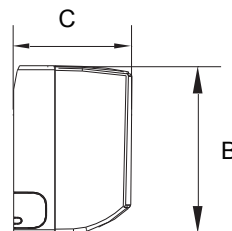
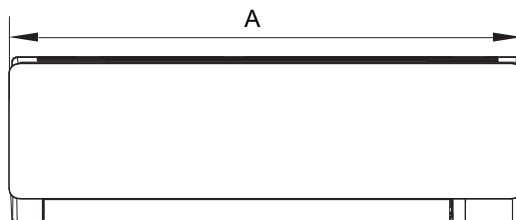
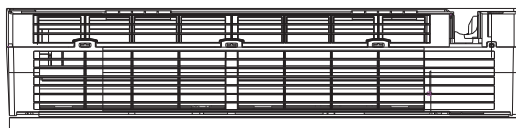
Outdoor Unit	Model Number	M5THS2312A11NAA	
	MCA	11	A
	MOP	15	A
	Fan Motor Output	33	W
	Motor Speed	1000	RPM
	Airflow	471	CFM
	Refrigerant Control	Capillary Tube	
	Defrost Method	Automatic Defrosting	
	Sound Pressure Level	52	dB(A)
	Compressor Type	Inverter Rotary	
	Compressor Oil	VG74 280ml	
	Condenser Coil Type	copper	
	Unit Dimensions	28.66x12.01x21.65	Inch
	Package Dimensions	33.07x13.39x23.82	Inch
	Unit Weight	58.4	lbs
	Shipping Weight	65	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	2.20/35.27	lbs, oz
	Gas Line Size	3/8"	Inch
	Liquid Line Size	1/4"	Inch

NOTES:

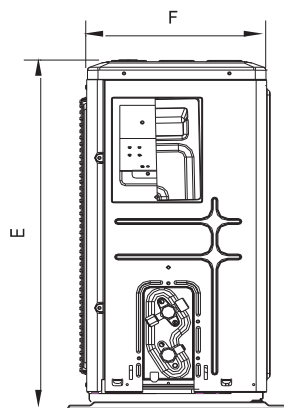
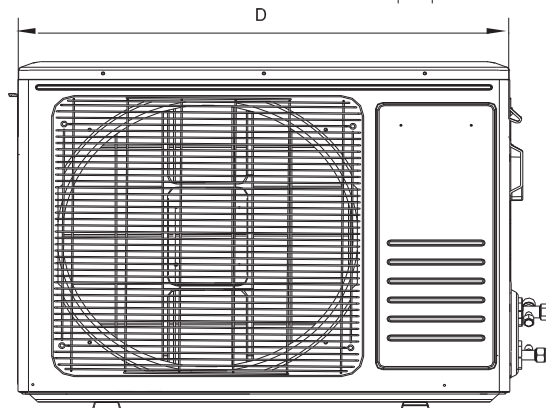
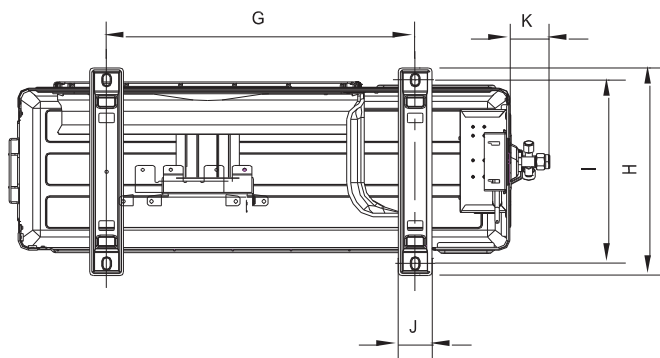
- The refrigerant charge mentioned in the technical data does not include additional charge required for the indoor unit and refrigerant pipe.
- The amount of the additional refrigerant charge depends on the length of the liquid refrigerant pipe installed.
- Record the additional refrigerant charge for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

Unit Dimensions

Indoor Unit:



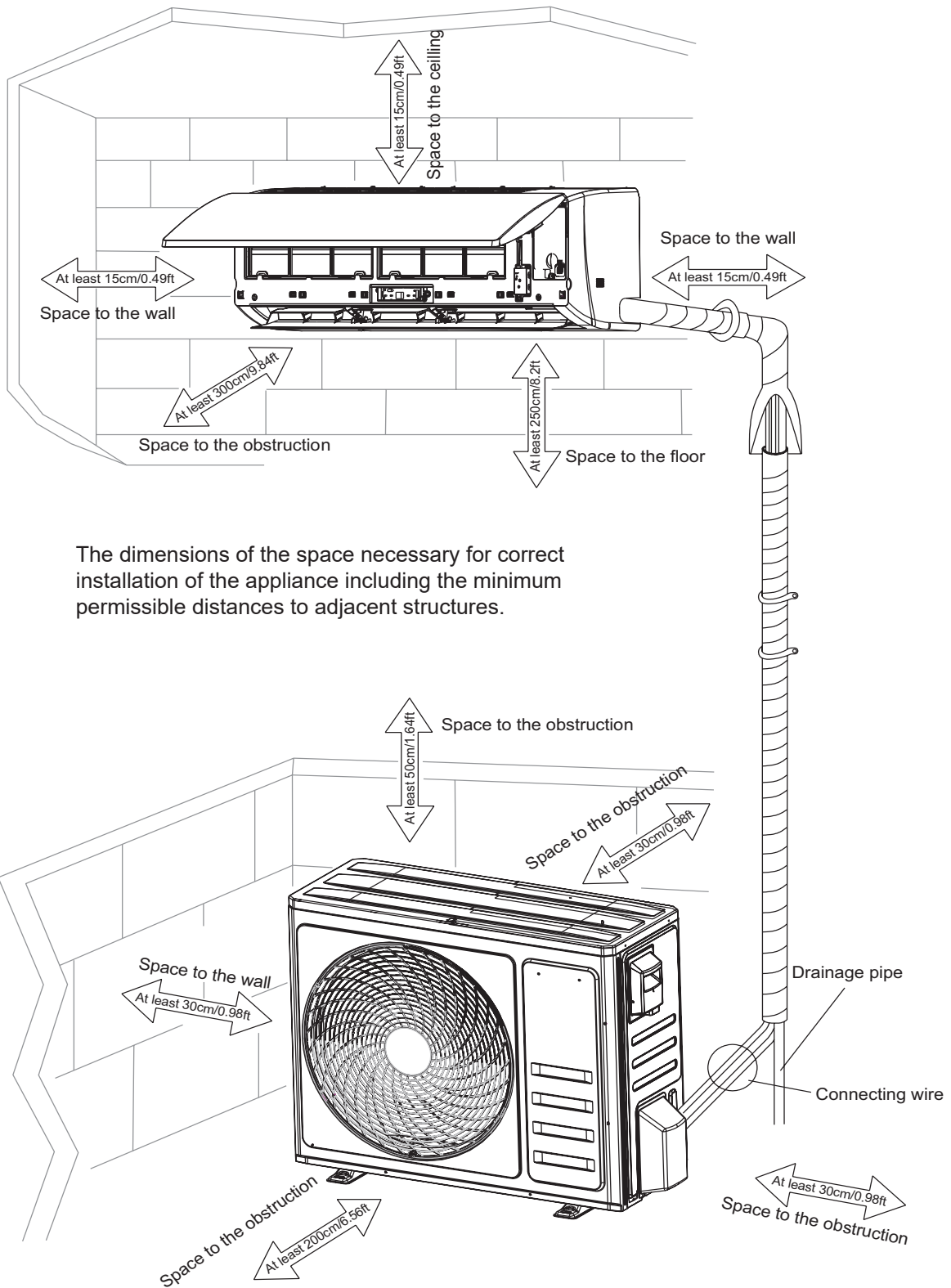
Outdoor Unit:



Unit: inch/mm

Model	Indoor unit (inch/mm)			Outdoor unit (inch/mm)							
	A	B	C	D	E	F	G	H	I	J	K
12000BTU	36.22/ 920	12.05/ 306	7.68/ 195	28.66/ 728	21.61/ 549	9.92/ 252	17.08/ 433.8	12.01/ 305	10.94/ 278	1.89/ 48	2.05/ 52

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

M5MHWUN12A1N0AA / M5THS2312A11NAA - 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	6823	5751	7330	6118	8172	6929	9267	6132
14	-10	6709	5655	7208	6016	8035	6813	9112	6030
23	-5	6482	5463	6963	5812	7762	6582	8802	5825
34	1	6758	5696	7260	6059	8093	6862	9178	6073
54	12	8875	7480	9534	7957	10628	9012	12053	7975
68	20	9270	7813	9959	8312	11102	9414	12590	8331
77	25	9692	8169	10412	8690	11608	9842	13163	8710
86	30	10285	8668	11049	9222	12317	10444	13968	9243
95	35	10593	8928	11379	9498	12686	10756	14386	9519
109	43	10960	9237	11774	9827	13126	11129	14885	9849
118	48	10547	8889	11330	9457	12631	10710	14324	9478
131	55	5017	4228	5390	4498	6009	5095	6814	4509

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

M5MHWUN12A1N0AA / M5THS2312A11NAA - 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	6827	6724	6592
-4	-20	8428	8301	8138
0	-18	9000	8865	8690
5	-15	9834	9686	9496
17	-8	11378	11207	10987
25	-4	12156	11973	11737
32	0	12859	12665	12416
35	2	13149	12951	12696
39	4	15036	14809	14518
47	8	17739	17472	17128
54	12	18290	18014	17661
57	14	18492	18213	17855

*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.

About Trane and American Standard Heating and Air Conditioning

Trane and American Standard create comfortable, energy efficient indoor environments for residential applications. For more information, please visit www.trane.com or www.americanstandardair.com



The AHRI Certified mark indicates company participation in the AHRI Certification program. For verification of individual certified products, go to ahridirectory.org.

The manufacturer has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.