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SUBMITTAL

M5MHWUN18A1N0AA / M5THS2318A11NAA — 23 Series Split System (R-454B) Single-Zone, Inverter System, 18,000 BTU/Hr

Specifications - General Data IP

Cooling @95F	Rated Capacity	18000	BTUH
	Capacity Range	6000~21000	BTUH
	Rated Power Input	1390	W
	Dehumidying Volume	2.2	Pints/h
Heating @47F	Rated Capacity	19000	BTUH
	Capacity Range	4000~23700	BTUH
	Rated Power Input	1360	W
Heating @17F	Rated Capacity	15000	BTUH
	Capacity Range	5400~17500	BTUH
	Rated Power Input	2000	W
Heating @5F	Rated Capacity	13600	BTUH
	Capacity Range	6000~14000	BTUH
	Rated Power Input	2100	W
Heating @ -13F	Rated Capacity	N/A	BTUH
	Capacity Range	N/A	BTUH
	Rated Power Input	N/A	W
Efficiency	SEER2	23	
	EER2	12.5	
	HSPF2 [Region I, II, III, or IV etc.]	9.5(Region IV) 8.2(Region V)	
	COP @ 47F	3.81	
	Energy Star Certified	Yes	
Electrical	Voltage	208/230	V
	Phase	1	PH
	Frequency	60	Hz
	Maximum Fuse Size	20	A
Indoor Unit	Model Number	M5MHWUN18A1N0AA	
	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	

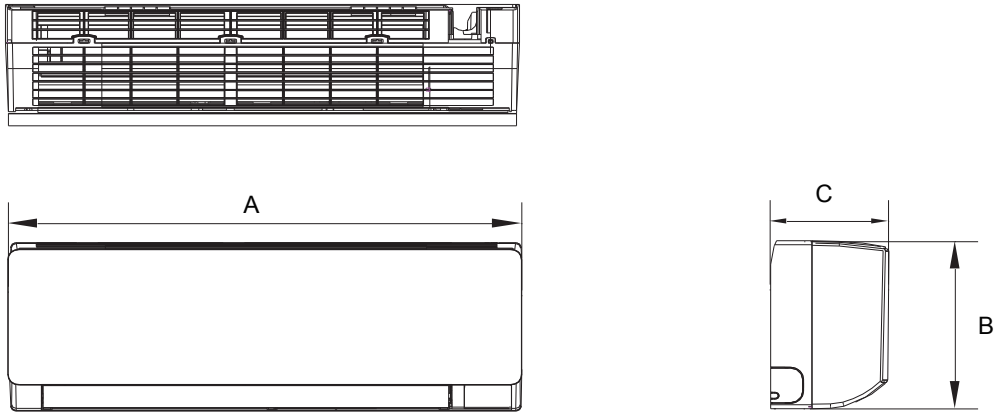
Outdoor Unit	Model Number	M5THS2318A11NAA	
	MCA	12	A
	MOP	20	A
	Fan Motor Output	85	W
	Motor Speed	850	RPM
	Airflow	735	CFM
	Refrigerant Control	Capillary Tube	
	Defrost Method	Automatic Defrosting	
	Sound Pressure Level	53	dB(A)
	Compressor Type	Inverter Rotery	
	Compressor Oil	FV68S 600ml	
	Condenser Coil Type	copper	
	Unit Dimensions	33.26x14.96x27.51	Inch
	Package Dimensions	37.79x16.92x29.53	Inch
	Unit Weight	86	lbs
	Shipping Weight	86.4	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	2.84/45.50	lbs, oz
	Gas Line Size	1/2"	Inch
	Liquid Line Size	1/4"	Inch

NOTES:

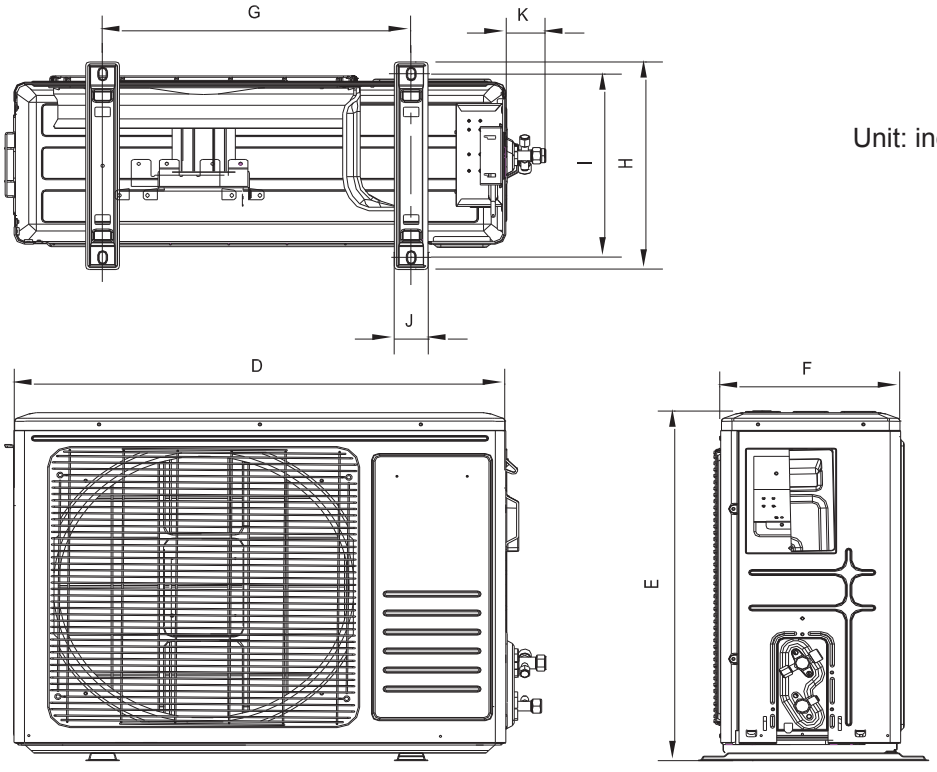
- The refrigerant charge mentioned in the technical data does not include additional charge required for the indoor unit and refrigerant pipe.
- The amount of the additional refrigerant charge depends on the length of the liquid refrigerant pipe installed.
- Record the additional refrigerant charge for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

Unit Dimensions

Indoor Unit:



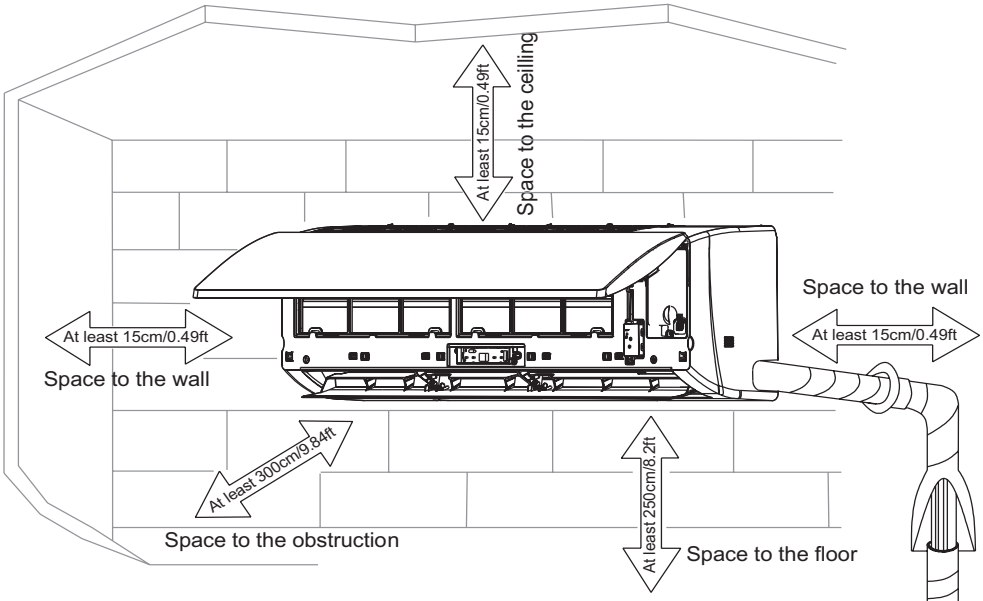
Outdoor Unit:



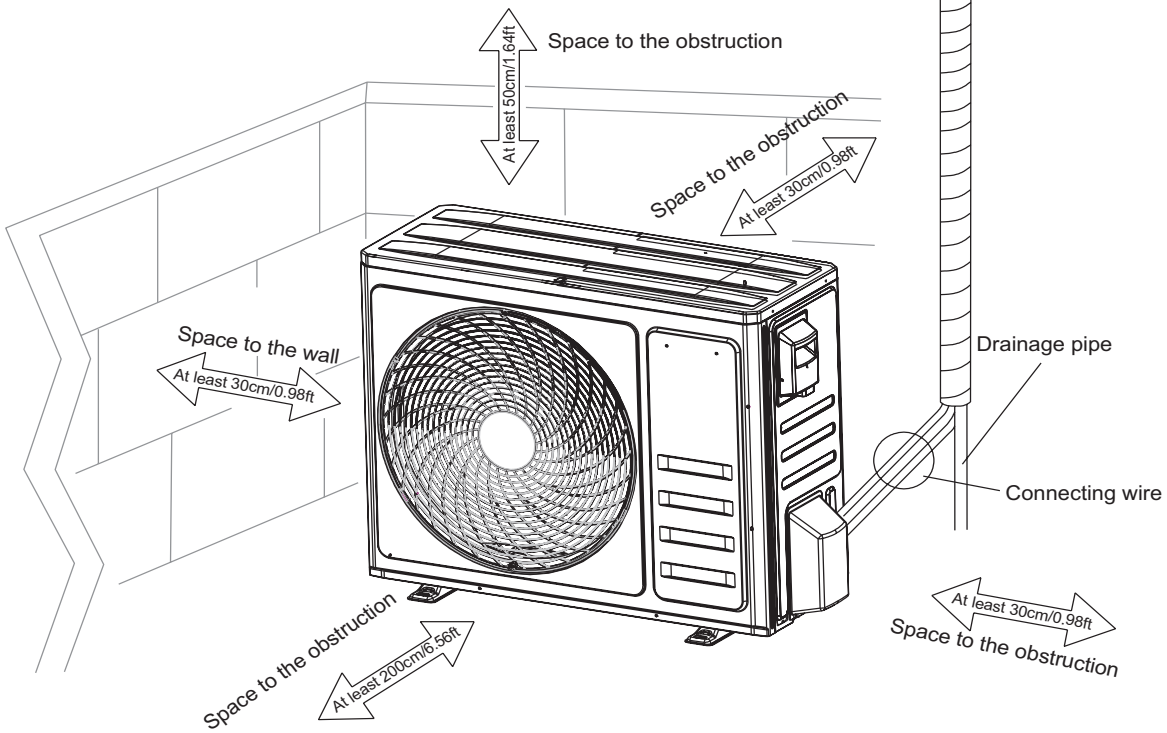
Unit: inch/mm

Model	Indoor unit (inch/mm)			Outdoor unit (inch/mm)							
	A	B	C	D	E	F	G	H	I	J	K
18000BTU	43.19/ 1097	13.07/ 332	8.74/ 222	33.27/ 845	27.28/ 693	13.35/ 336	23.07/ 586	14.76/ 374.9	14.74/ 374.5	2.31/ 58.6	2.48/ 63

Clearance Requirements



The dimensions of the space necessary for correct installation of the appliance including the minimum permissible distances to adjacent structures.



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

Performance Data

M5MHWUN18A1N0AA / M5THS2318A11NAA - 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	3478	2748	3739	2925	4196	3335	4733	2932
14	-10	3563	2815	3830	2996	4298	3416	4848	3003
23	-5	3606	2849	3876	3032	4350	3458	4907	3039
34	1	4055	3203	4358	3410	4891	3888	5517	3417
54	12	3638	2874	3910	3059	4388	3488	4950	3066
68	20	3777	2984	4060	3176	4557	3622	5140	3184
77	25	3921	3098	4214	3297	4730	3759	5335	3304
86	30	4130	3263	4439	3473	4982	3960	5620	3481
95	35	4236	3347	4553	3562	5110	4062	5764	3571
109	43	4372	3454	4699	3676	5274	4192	5949	3685
118	48	4207	3324	4522	3538	5075	4034	5725	3546
131	55	1713	1353	1841	1440	2066	1642	2330	1443
*Total Capacity (BtuH) **Sensible Heat Capacity (BtuH)									

M5MHWUN18A1N0AA / M5THS2318A11NAA - 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	2835	2793	2709
-4	-20	3476	3424	3321
0	-18	3501	3449	3345
5	-15	4179	4117	3993
17	-8	4951	4877	4730
25	-4	5024	4949	4800
32	0	5652	5568	5400
35	2	5900	5812	5637
39	4	6489	6392	6200
47	8	7117	7011	6800
54	12	7431	7320	7100
57	14	7664	7549	7322
*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

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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.

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Supersedes (New)

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