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SUBMITTAL

M5MHWUN18A1N0AA / 23 Series Split System (R-454B) Single-Zone, M5THS2318A11NAA 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	

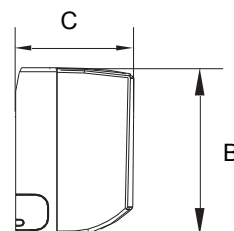
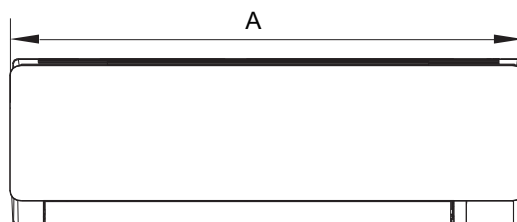
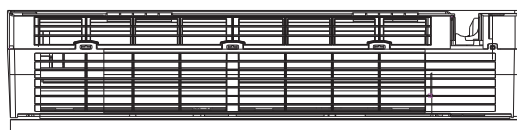
Outdoor Unit	Model Number	M5THS2318A11NAA	
	MCA	12	A
	MOP	20	A
	Fan Motor Output	85	W
	Motor Speed	850	RPM
	Airflow	735	CFM
	Refrigerant Control	Capillary Tube	
	Defrost Method	Automatic Defrosting	
	Sound Pressure Level	53	dB(A)
	Compressor Type	Inverter Rotary	
	Compressor Oil	FV68S 600ml	
	Condenser 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 Temperature 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:

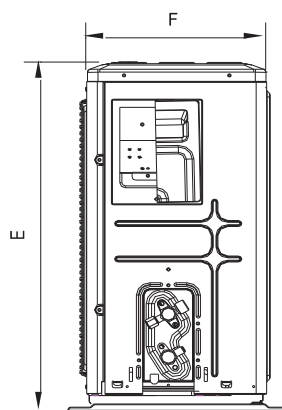
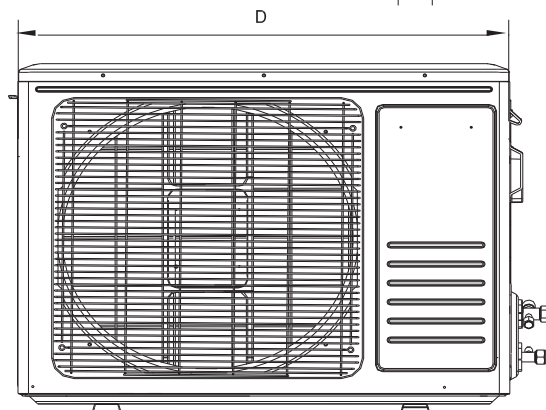
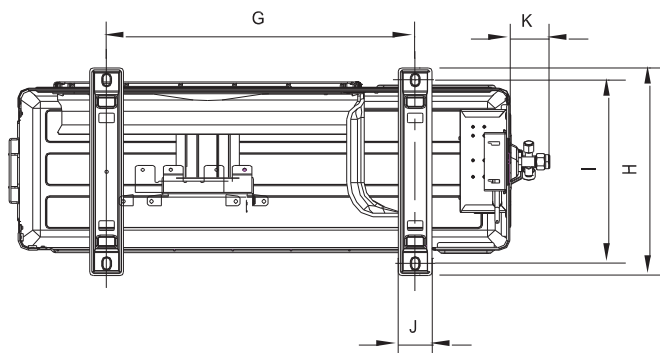
- The refrigerant charge mentioned in the technical data does not include additional charge required for the indoor unit and refrigerant pipe.
- The amount of the additional refrigerant charge depends on the length of the liquid refrigerant pipe installed.
- Record the additional refrigerant charge for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

Unit Dimensions

Indoor Unit:



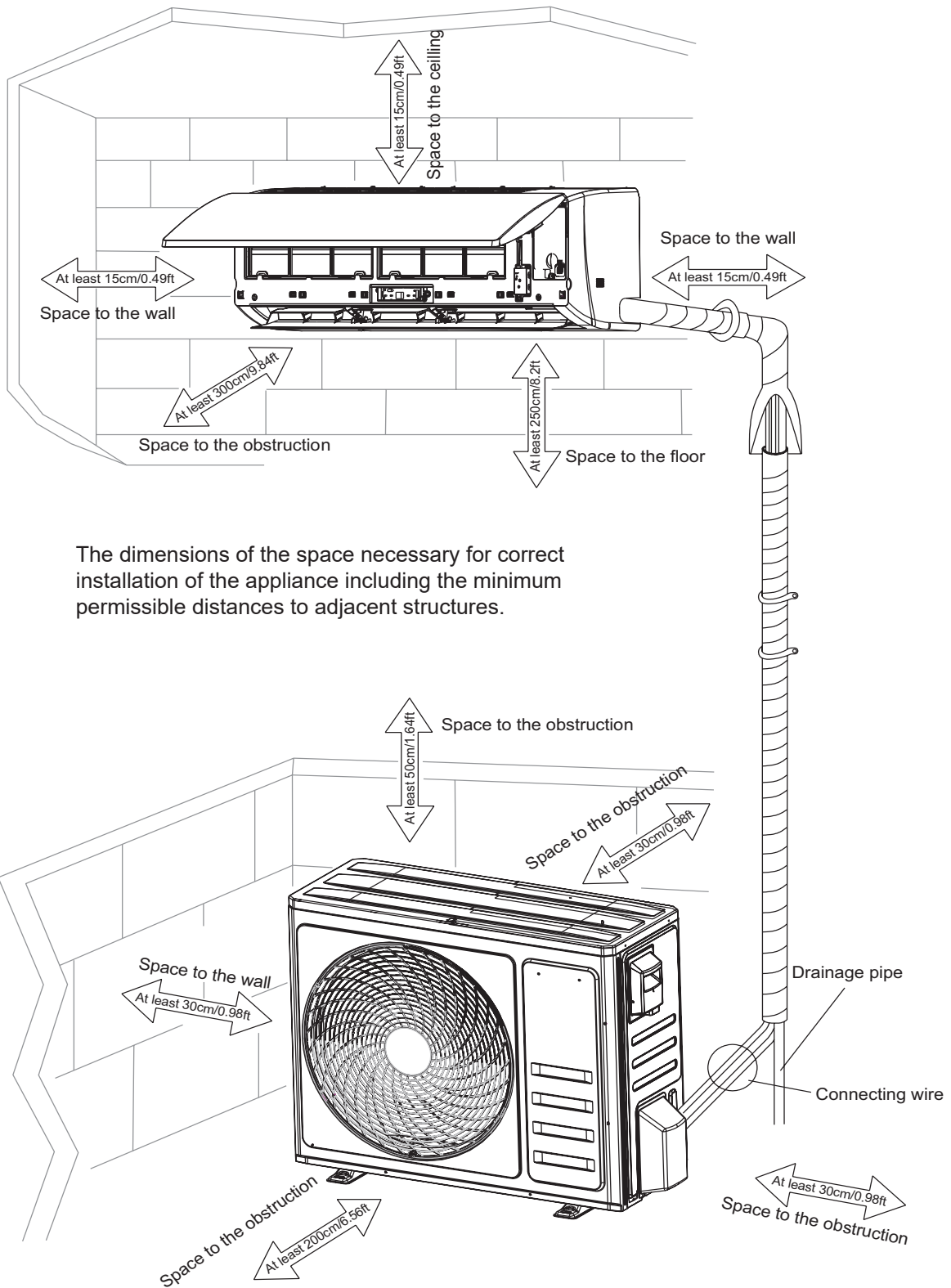
Outdoor Unit:



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



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	11869	9377	12756	9980	14317	11380	16149	10003
14	-10	12157	9605	13066	10223	14665	11657	16542	10246
23	-5	12304	9721	13224	10346	14842	11798	16742	10370
34	1	13834	10930	14869	11633	16688	13265	18824	11660
54	12	12412	9806	13340	10437	14972	11901	16888	10461
68	20	12889	10183	13853	10838	15547	12358	17537	10863
77	25	13378	10569	14378	11249	16137	12827	18203	11275
86	30	14093	11135	15147	11851	17000	13513	19176	11878
95	35	14455	11420	15536	12155	17437	13860	19668	12183
109	43	14918	11786	16033	12544	17995	14304	20298	12573
118	48	14355	11341	15428	12071	17316	13764	19532	12098
131	55	5844	4617	6281	4914	7049	5603	7951	4925
*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	9674	9530	9243
-4	-20	11860	11683	11331
0	-18	11946	11767	11413
5	-15	14260	14047	13624
17	-8	16892	16640	16139
25	-4	17142	16886	16378
32	0	19285	18997	18425
35	2	20131	19830	19233
39	4	22142	21811	21154
47	8	24284	23922	23202
54	12	25356	24977	24225
57	14	26149	25758	24983
*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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