

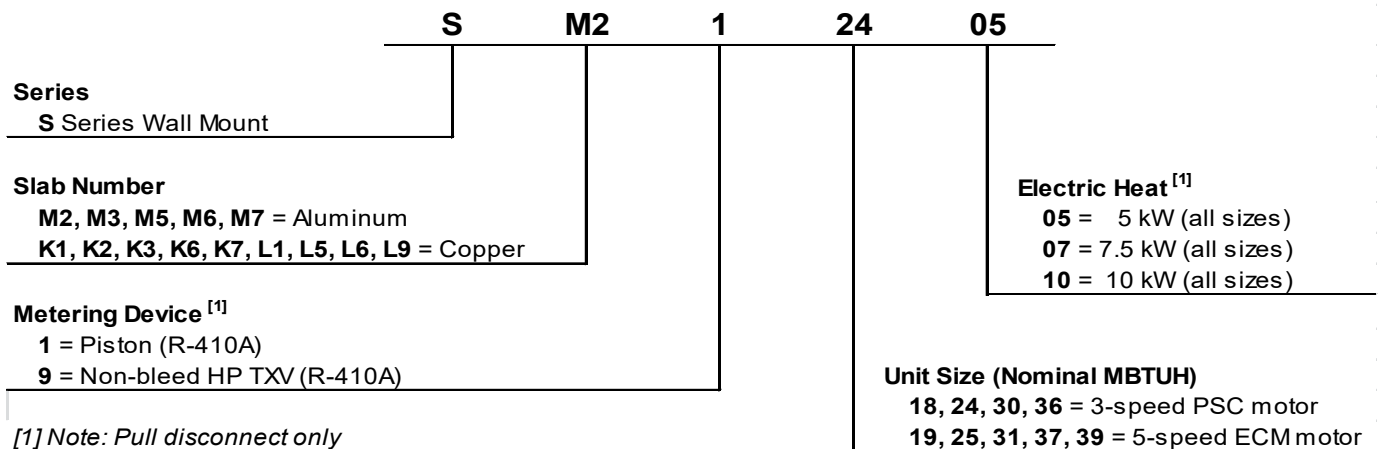
Specification Guide

S Series Compact Wall Mount Air Handlers Electric Heat



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Nomenclature



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Blower Performance

- Heating speeds should not be reduced below factory setting.
- Different speeds can be set for cooling mode; see installation instructions.

3-Speed PSC Motor

Unit Size	Cooling Speed Setting	Airflow (CFM) vs. External Static Pressure (inches W.C.) ***				
		0.1	0.2	0.3	0.4	0.5
18	* ^ Low - Red	606	591	576	559	529
	Med - Blue	802	784	751	722	693
	High - Black	1046	1013	987	943	885
24	Low - Red	606	591	576	559	529
	* ^ Med - Blue	802	784	751	722	693
	High - Black	1046	1013	987	943	885
30	Low - Red	816	809	802	775	752
	* ^ Med - Blue	1000	985	970	935	889
	High - Black	1218	1175	1122	1070	1008
36	Low - Red	816	809	802	775	752
	Med - Blue	1000	985	970	935	889
	* ^ High - Black	1218	1175	1122	1070	1008

* Factory setting for cooling.

^ Factory setting for heating.

*** All airflow data is with a dry coil, filter, & electric heat.

5-Speed High Efficiency ECM Motor

Unit Size	Cooling Speed Setting	Airflow (CFM) vs. External Static Pressure (inches W.C.) ***				
		0.1	0.2	0.3	0.4	0.5
19	Tap 1	547	484	366	309	268
	* Tap 2	651	600	566	516	466
	Tap 3	695	646	617	566	544
	^ Tap 4	742	700	669	627	600
	Tap 5	758	712	682	641	625
25	Tap 1	569	453	347	264	264
	Tap 2	659	600	569	518	475
	* Tap 3	847	800	787	744	722
	^ Tap 4	928	901	883	846	802
	Tap 5	970	944	927	891	864
31	Tap 1	656	600	567	522	473
	Tap 2	842	800	782	739	716
	* Tap 3	1059	1028	1004	972	946
	^ Tap 4	1106	1084	1053	1030	1000
	Tap 5	1137	1108	1085	1055	1031
37	Tap 1	848	800	769	726	692
	Tap 2	1051	1028	1000	956	930
	* Tap 3	1247	1215	1188	1161	1126
	^ Tap 4	1310	1279	1254	1228	1200
	Tap 5	1364	1334	1304	1279	1250
39	Tap 1	800	783	747	725	689
	Tap 2	1034	1003	987	959	937
	* Tap 3	1281	1253	1228	1207	1186
	^ Tap 4	1343	1314	1290	1261	1226
	Tap 5	1367	1342	1312	1277	1239

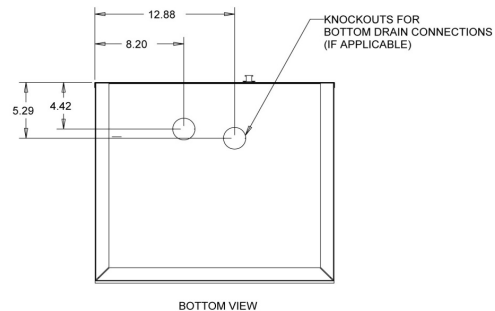
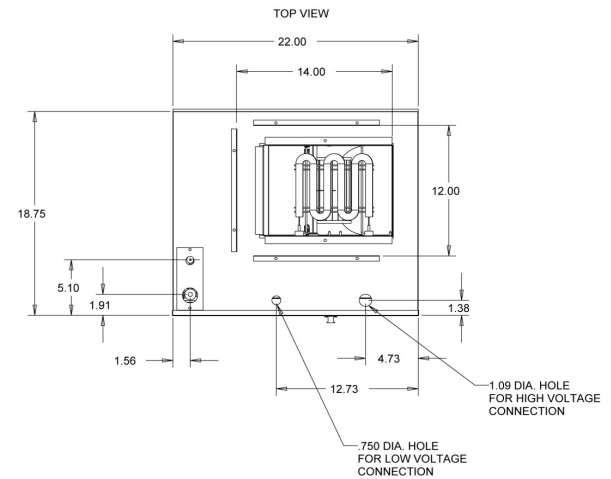
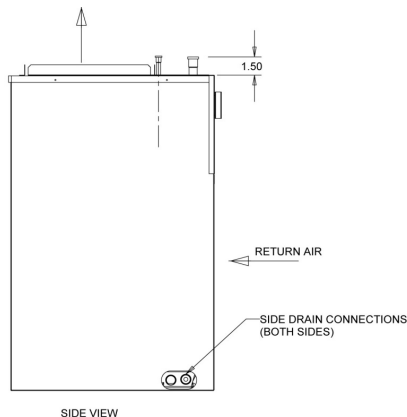
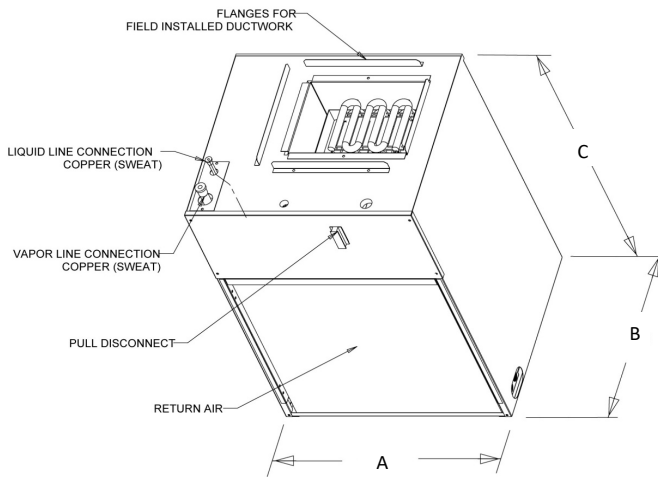
* Factory setting for cooling.

^ Factory setting for heating.

*** All airflow data is with a dry coil, filter, & electric heat.

Dimensions

Air Handler Size	A (in)	B (in)	C (in)
18 - 37	22	18.75	29.75
39	22	18.75	35.5



Electrical Data

3-Speed PSC Motor

Unit Size (All have electric heat)	Heating Capacity		Blower Amps		Minimum Circuit Ampacity		Circuit Breaker Amps Per Stage
	kW	BTUH	208 V	240 V	208 V	240 V	
	240 V ^[1]	240 V ^[1]					
18	5.0	17,065	1.8	1.7	24.8	28.2	30
	7.5	25,598	1.8	1.7	36.1	41.2	45
	10.0	34,130	1.8	1.7	47.4	54.2	60
24	5.0	17,065	1.8	1.7	24.8	28.2	30
	7.5	25,598	1.8	1.7	36.1	41.2	45
	10.0	34,130	1.8	1.7	47.4	54.2	60
30	5.0	17,065	2.1	2.0	25.2	28.5	30
	7.5	25,598	2.1	2.0	36.5	41.6	45
	10.0	34,130	2.1	2.0	47.8	54.6	60
36	5.0	17,065	2.1	2.0	25.2	28.5	30
	7.5	25,598	2.1	2.0	36.5	41.6	45
	10.0	34,130	2.1	2.0	47.8	54.6	60

[1] For 208 Volts use .751 correction factor for kW & MBTUH.

5-Speed High Efficiency ECM Motor

Unit Size (All have electric heat)	Heating Capacity		Blower Amps		Minimum Circuit Ampacity		Circuit Breaker Amps Per Stage
	kW	BTUH	208 V	240 V	208 V	240 V	
	240 V ^[1]	240 V ^[1]					
19	5.0	17,065	0.9	0.8	23.7	27.0	30
	7.5	25,598	0.9	0.8	35.0	40.1	45
	10.0	34,130	0.9	0.8	46.3	53.1	60
25	5.0	17,065	1.8	1.7	24.8	28.2	30
	7.5	25,598	1.8	1.7	36.1	41.2	45
	10.0	34,130	1.8	1.7	47.4	54.2	60
31	5.0	17,065	2.4	2.2	25.6	28.8	30
	7.5	25,598	2.4	2.2	36.8	41.8	45
	10.0	34,130	2.4	2.2	48.1	54.8	60
37	5.0	17,065	3.1	2.9	26.4	29.7	30
	7.5	25,598	3.1	2.9	37.7	42.7	45
	10.0	34,130	3.1	2.9	49.0	55.7	60
39	5.0	17,065	3.1	2.9	26.4	29.7	30
	7.5	25,598	3.1	2.9	37.7	42.7	45
	10.0	34,130	3.1	2.9	49.0	55.7	60

[1] For 208 Volts use .751 correction factor for kW & MBTUH.

