

701

Slide In Replacement for:
 Friedrich® Climate Master 701/07-09-12
 Weil-McLean® Climate Master 701/07-09-12
 RetroAire® R21, RC21

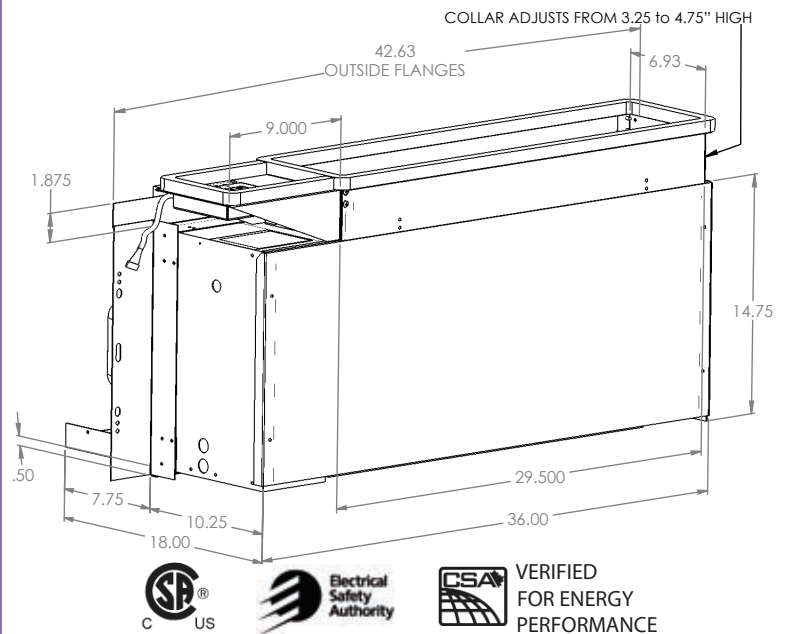
Sleeve/Wall Box:
40 5/8" wide
16" high
11 1/2" deep

Our engineers ensure each design is optimized for durability and energy efficiency. Each design is subjected to 3rd party laboratory testing to ensure class-leading performance, safety, low operating costs, and long service life.

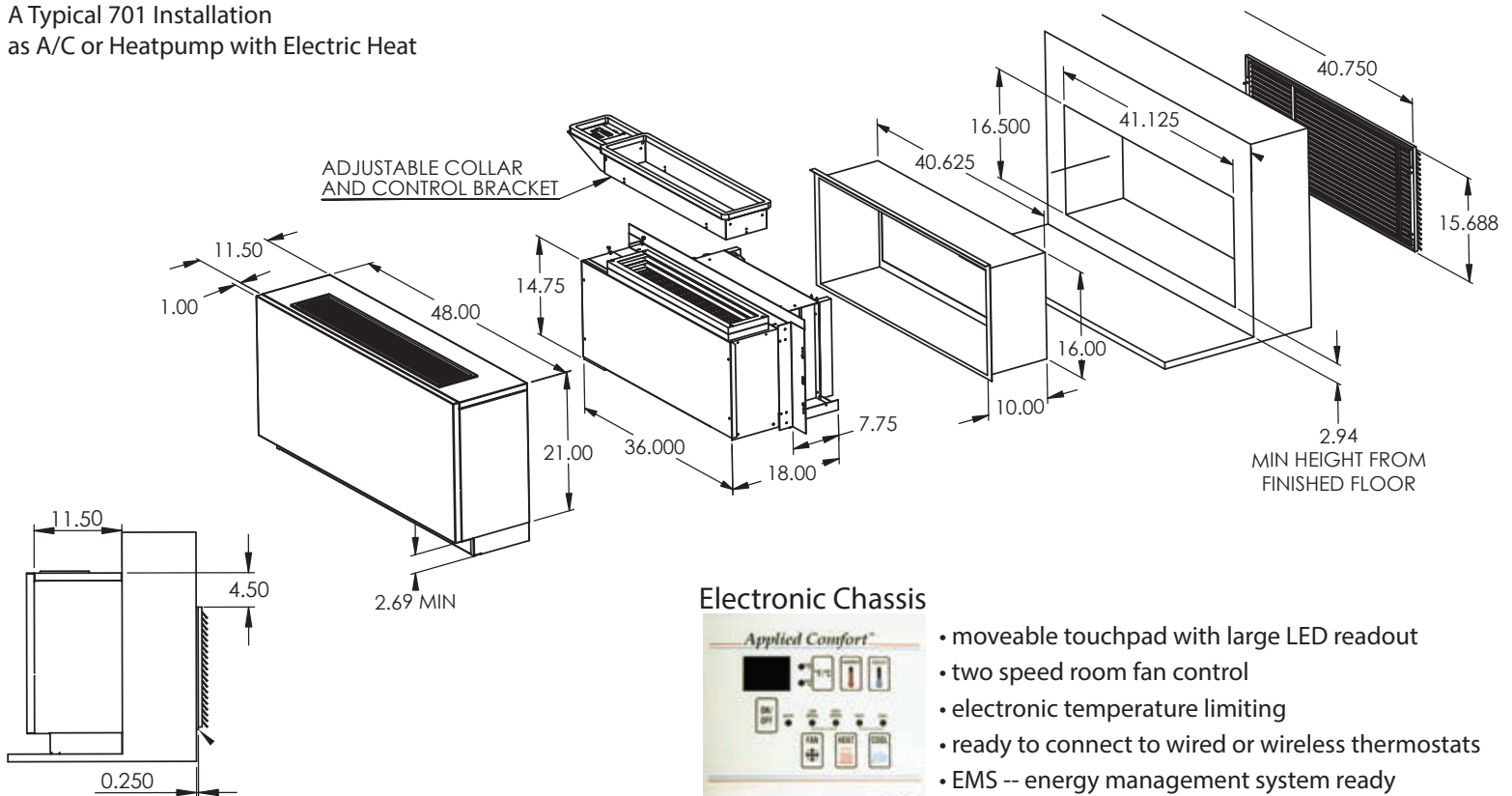
Our production team conduct rigorous full run tests on each unit to ensure unmatched reliability.

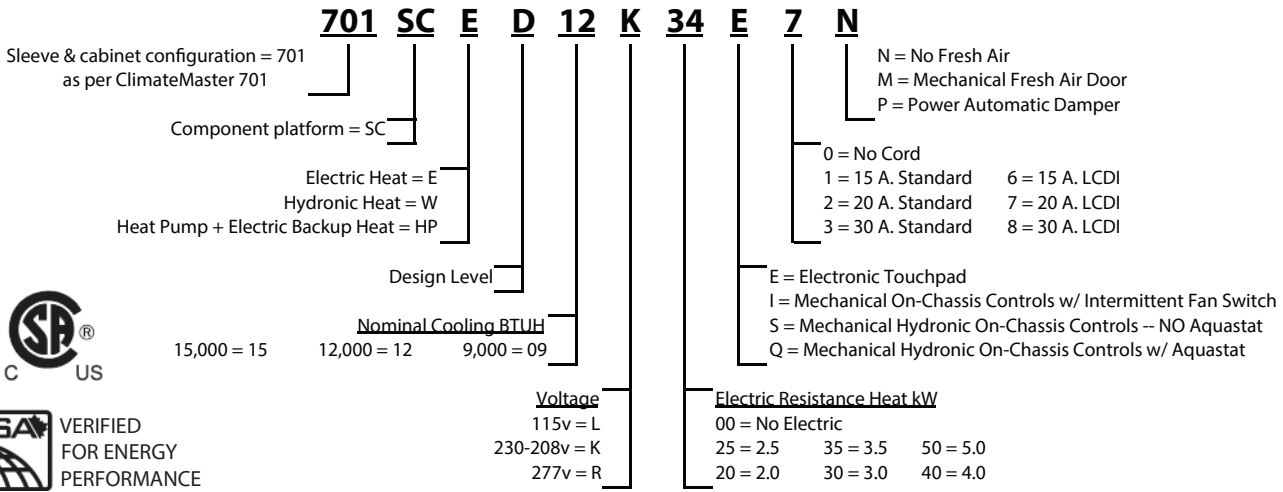
Products you can trust,
 engineered and built in North America since 1994!

Configurations:
 A/C with Electric Heat
 Heatpump with Electric Backup Heat
 A/C with controls for Top-Coil Hydronic



A Typical 701 Installation
 as A/C or Heatpump with Electric Heat





701SCED Air Conditioner with Electric Resistance Heat
701SCHPC Heat Pump with Electric Resistance Backup Heat
701SCWD Air Conditioner with Control of Hydronic Heat

Model	Voltage	Hz	Cooling					Reverse-Cycle Heat		Resistance Heat			Min. Circuit Amps	MOP* Fuse Amps	Electrical Plug (NEMA)	Indoor CFM HIGH*	Indoor CFM LOW*	Vent** CFM	Net Wt. lbs.	Ship Wt. lbs.
			BTU/Hr.	EER	Amps	S/T	Pts./hr.	BTU/Hr.	COP	BTU/Hr.	kW	Amps								
701SCED09L00	115	60	9700	11	8.6	0.79	1.9	N/A	N/A	N/A	N/A	N/A	13	15	#5-15P	380	335	90	118	127
701SCED12L00	"	"	11700	9.5	11.5	0.72	3.0	N/A	N/A	N/A	N/A	N/A	16.2	20	#5-20P	"	"	"	"	"
701SCED09K00	230 - 208	"	9700	11	4.3/4.5	0.79	1.9	N/A	N/A	N/A	N/A	N/A	6.2	20	#6-20P	390/375	345/315	"	"	"
701SCED09K25	"	"	9700	11	4.3/4.6	0.79	1.9	N/A	N/A	8900/7300	2.5/2.1	11.6/10.5	14.4	20	#6-20P	"	"	"	"	"
701SCED12K34	"	"	11700	9.5	5.8/6.3	0.72	3.0	N/A	N/A	12000/9900	3.4/2.8	15.5/14.1	19.3	20	#6-20P	"	"	"	"	"
701SCED15K50	"	"	13700	8.5	7.5/8.4	0.68	4.0	N/A	N/A	17400/14300	5/4.1	22.5/20.4	28	30	#6-30P	"	"	"	"	"
701SCED09R00	277	"	9700	11	4.3/4.5	0.79	1.9	N/A	N/A	N/A	N/A	N/A	5.8	15	#7-20P	380	335	"	"	"
701SCED09R20	"	"	9700	11	4.3/4.6	0.79	1.9	N/A	N/A	7200	2.0	8.0	9.9	15	#7-20P	"	"	"	"	"
701SCED12R30	"	"	11700	9.5	5.8/6.3	0.72	3.0	N/A	N/A	10600	3.0	11.6	14.4	15	#7-20P	"	"	"	"	"
701SCED15R40	"	"	13700	8.5	7.5/8.4	0.68	4.0	N/A	N/A	14000	4.0	15.2	19	20	#7-20P	"	"	"	"	"

NOTE re 701SCED: 0.0, 2.5, 3.4 & 5.0kw are available on all 9, 12, 15000btuh 230-208v; 0.0, 2.0, 3.0, 4.0, are available on all 9, 12, 15000btuh 277v

701SCHPC12K00	230 - 208	"	11800	9.5	5.9/6.2	0.75	2.8	12300	3.3	N/A	N/A	N/A	8.1	20	#6-20P	390/375	345/315	"	"	121	130
701SCHPC12K25	"	"	11800	9.5	5.9/6.3	0.75	2.8	12300	3.3	8900/7300	2.5/2.1	11.6/10.5	14.4	21	#6-20P	"	"	"	"	"	134
701SCHPC12K34	"	"	11800	9.5	5.9/6.4	0.75	2.8	12300	3.3	12000/9900	3.4/2.8	15.5/14.1	19.3	22	#6-20P	"	"	"	"	"	135
701SCHPC15K50	"	"	14400	9.4	7.6/8.3	0.68	4.3	15200	3.1	17400/14300	5/4.1	22.5/20.4	28	30	#6-30P	"	"	"	"	"	135
701SCHPC12R00	277	"	11800	9.5	5.4	0.75	2.8	12300	3.3	N/A	N/A	N/A	6.8	15	#7-20P	380	335	"	"	"	134
701SCHPC12R20	"	"	11800	9.5	5.4	0.75	2.8	12300	3.3	7200	2.0	8.0	9.9	15	#7-20P	"	"	"	"	"	134
701SCHPC12R30	"	"	11800	9.5	5.4	0.75	2.8	12300	3.3	10600	3.0	11.6	14.4	15	#7-20P	"	"	"	"	"	135
701SCHPC15R40	"	"	14400	9.4	6.7	0.68	4.3	15200	3.1	14000	4.0	15.2	19	20	#7-20P	"	"	"	"	"	135

NOTE re 701SCHPC: 0.0, 2.5, 3.4 & 5.0kw are available on all 9, 12, 15000btuh 230-208v; 0.0, 2.0, 3.0, 4.0, are available on all 9, 12, 15000btuh 277v

701SCWD09L00	115	"	9700	11	8.6	0.79	1.9	N/A	N/A	N/A	N/A	N/A	11	15	#5-15P	360	310	"	"	118	127
701SCWD12L00	"	"	11700	9.5	11.6	0.72	3.0	N/A	N/A	N/A	N/A	N/A	16.2	20	#5-20P	360	310	"	"	"	"
701SCWD09K00	230 - 208	"	9700	11	4.3/4.5	0.79	1.9	N/A	N/A	N/A	N/A	N/A	6.4	15	#6-20P	370/350	325/300	"	"	"	"
701SCWD12K00	"	"	11700	9.5	5.8/6.1	0.72	3.0	N/A	N/A	N/A	N/A	N/A	8.3	15	#6-20P	370/350	325/300	"	"	"	"
701SCWD15K00	"	"	13700	8.6	7.5/8.1	0.68	4.0	N/A	N/A	N/A	N/A	N/A	10	15	#6-20P	370/350	325/300	"	"	"	"
701SCWD09R00	277	"	9700	11	3.8	0.79	1.9	N/A	N/A	N/A	N/A	N/A	5.8	15	#7-20P	360	310	"	"	"	"
701SCWD12R00	"	"	11700	9.5	5.3	0.72	3.0	N/A	N/A	N/A	N/A	N/A	6.8	15	#7-20P	360	310	"	"	"	"
701SCWD15R00	"	"	13700	8.6	6.8	0.68	4.0	N/A	N/A	N/A	N/A	N/A	8.4	15	#7-20P	360	310	"	"	"	"

*Time Delay Fuse or HCAR Circuit Breaker --- *Dry Coil --- 277v models are permanently connected using 20amp non-LCDI cords.
 ** Vent fresh air is only available on chassis with mechanical controls; there is no vent air on chassis with Electronic controls.

Model	Voltage	Hz	Hot Water Heat HIGH SPEED	Hot Water Heat LOW SPEED	Water Flow Rate	Coil Pressure Drop (HIGH SPEED)	Steam Heat HIGH SPEED	Steam Heat LOW SPEED	Heating Current
			BTU/Hr.	BTU/Hr.		USGPM			
701SCWD_L00	115	60	18500	17400	1.9	1.8	22600	21100	<1
701SCWD_K00	230 - 208	60	18800/18300	17700/17200	1.9 - 1.9	2.0 - 1.8	22900/22300	21600/20800	<1
701SCWD_R00	277	60	18500	17400	1.9	1.8	22600	21100	<1

ALL HYDRONIC VALVES ARE CONTROLLED BY LINE VOLTAGE; --- AQUASTATS are 24v if ELECTRONIC CHASSIS, AND LINE VOLTAGE if MECHANICAL CONTROL

Maximum Steam Pressure: 2 psig --- Steam ratings based on conditions of 70°F entering air, and 2 psig steam pressure with heat output automatically adjusting for blower speed.
 Maximum Water Temperature: 210°F --- HIGH SPEED Water ratings based on ASHRAE/AHRI conditions of 70°F entering air, 200°F entering water and 180°F leaving water temperatures.
 LOW SPEED Water ratings based on water flow rate set for HIGH SPEED rating condition operating point.

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