



Comfort Where It Counts.

UNCA36-S1CA6000  
Universal Air Handler  
Single-Zone Cooling Only

Rev. 1.0 [07/07]

JOB NAME: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
PURCHASER: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_  
SUBMITTED TO: \_\_\_\_\_ FOR: REFERENCE [ ] APPROVAL [ ] CONSTRUCTION [ ]  
SUBMITTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
UNIT DESIGNATION: SCHEDULE #: \_\_\_\_\_ MODEL #: \_\_\_\_\_

Manufacturer reserves the right to change these specifications at any time without incurring obligation.



**▲ PERFORMANCE:** \_\_\_\_\_

Performance certified in accordance with ARI 210/240

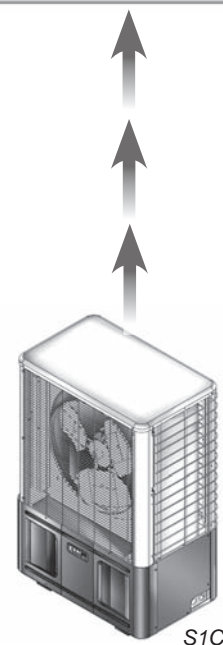
**COOLING**

Indoor design conditions: 80°F Dry Bulb / 67°F Wet Bulb

Outdoor design conditions: 95°F

EMI ENGINEERING SUBMITTAL

SYSTEM CAPACITIES					
Models		Cooling			
Indoor	Outdoor	Capacity	SEER	SHR	EER
UNCA36	S1CA6000	32,600 Btuh (9.5 kW)	13.0	0.67	12.0



**▲ STANDARD FEATURES:** \_\_\_\_\_

**INDOOR UNIT:**

- Ceiling-Suspended or Floor Console mounted without any field modification
- Internally Enhanced Copper Tube/Enhanced Aluminum Fin Indoor Coil
- Unit-mounted, Infrared compatible control package, configurable to either unit mount or 24 Volt wall thermostat
- Control programming stored in non-volatile memory (*unit will restart following power failure*)
- Indoor coil freeze protection
- Anti-short cycle compressor protection
- Fan purge
- Dry mode for humidity control (*requires electric heat*)
- Factory-installed condensate pan overflow protection
- Factory-supplied moxex-type connector for condensate pump power and control connections
- 24-7 programming
- One year Limited Parts Warranty



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▲▼ **STANDARD FEATURES:**

**OUTDOOR UNIT:**

- Side Condenser Air Discharge Unit
- Internally Enhanced Copper Tube/Enhanced Aluminum Fin Outdoor Coil
- R-22 Refrigerant
- High Pressure Switch (*manual reset*)
- Coated Wire Grille Condenser Coil Protection and Fan Guard
- Five years Limited Compressor Warranty, One year Limited Parts Warranty

Please use check-box to select Options and Accessories.

▲▼ **FACTORY INSTALLED OPTIONS:**

**INDOOR UNIT**

**Power Connection:**

208/230-1-60

**Electric Heat:**

None

5.0 kW (208/230 Volt)

**OUTDOOR UNIT**

**Power Connection:**

208/230-1-60

**Condenser Coil:**

Copper Tube/ Copper Fin

Copper Tube/ Post-Coat Aluminum Fin

▲▼ **FIELD INSTALLED ACCESSORIES:**

**INDOOR UNIT**

**Condensate Pump:**

48" (1.2 m) Lift

144" (3.7 m) Lift

**Floor Mount Trim Kit** (*Required for Floor Mount with Condensate Pump accessory*)

**24 Volt Wall Thermostat**

**Infrared Hand-Held Controller**

**OUTDOOR UNIT**

**Low Ambient Accessory Kit** for cooling operation to 32° F (0° C)

**Wind Baffle /Hail Guard, Architectural Louver Kit** allows Low Ambient cooling operation to 0° F (-18° C) when used with Ambient Accessory Kit

**Hard Start**

**Refrigerant Line Sets**

10'

25'

50'

**EMI ENGINEERING SUBMITTAL UNCA36-S1CA6000**

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**ELECTRICAL SPECIFICATIONS**

Indoor Unit	V-Ph-Hz	Voltage		Indoor Fan Motor		Heater		Unit FLA	MCA	MOCP
		Min	Max	RLA	HP	kW	Amps			
UNCA36	208/230-1-60	197	240	0.80	0.10	-	-	0.8	1.0	15
						5.00	21.74			

Outdoor Unit	Power Supply V-1-60			Control* V-1-60	Compressor			Outdoor Fan Motor			Unit FLA	MCA	MOCP
	Volts	Min	Max		Qty	RLA	LRA	Qty	FLA	HP			
S1CA6000	208/230	197	240	24	1	11.8	78.0	1	1.8	0.33	13.6	16.6	25

Note: \* - Control Voltage is supplied from the indoor unit. No separate supply required.

**SOUND DATA**

Unit	Sound dBA
UNCA36	50
S1CA6000	68

Note: Sound data for indoor unit at high speed, 230 V  
Sound data for outdoor unit at 230V

**WEIGHT DATA**

Unit	Weight, lbs (kg)
UNCA36	153 (69)
S1CA6000	210 (95)

**INTERCONNECTING TUBING SPECIFICATIONS**

Indoor Unit	Outdoor Unit	Maximum Separation, Equivalent ft (m)	Maximum Elevation Difference, ft (m)	Liquid Line OD	Suction Line OD	Condensate Line ID
UNCA36	S1CA6000	100 (30.5)	35 (10.7)	3/8"	3/4"	1/2"

**INDOOR AIR FLOW**

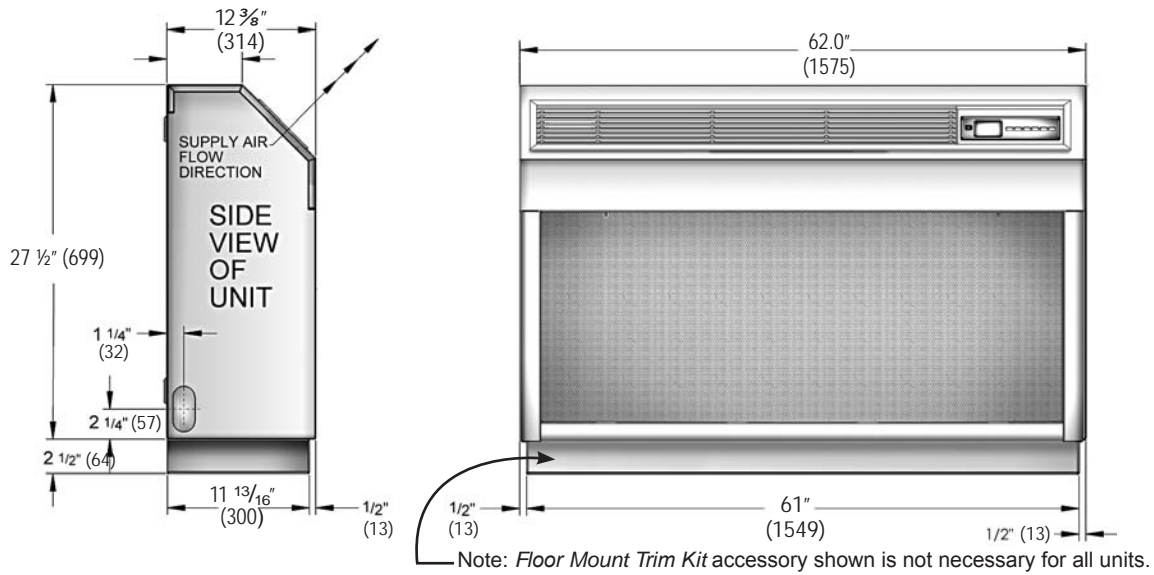
Indoor Unit	CFM (l/s)		Coil	ft/min (m/s)	Air Throw, ft. (m)
	High Speed	Low Speed			
UNCA36	1,075 (500)	825 (400)	Dry	1,250 (6.4)	27 (8.2)

# EMI ENGINEERING SUBMITTAL UNCA36-S1CA6000

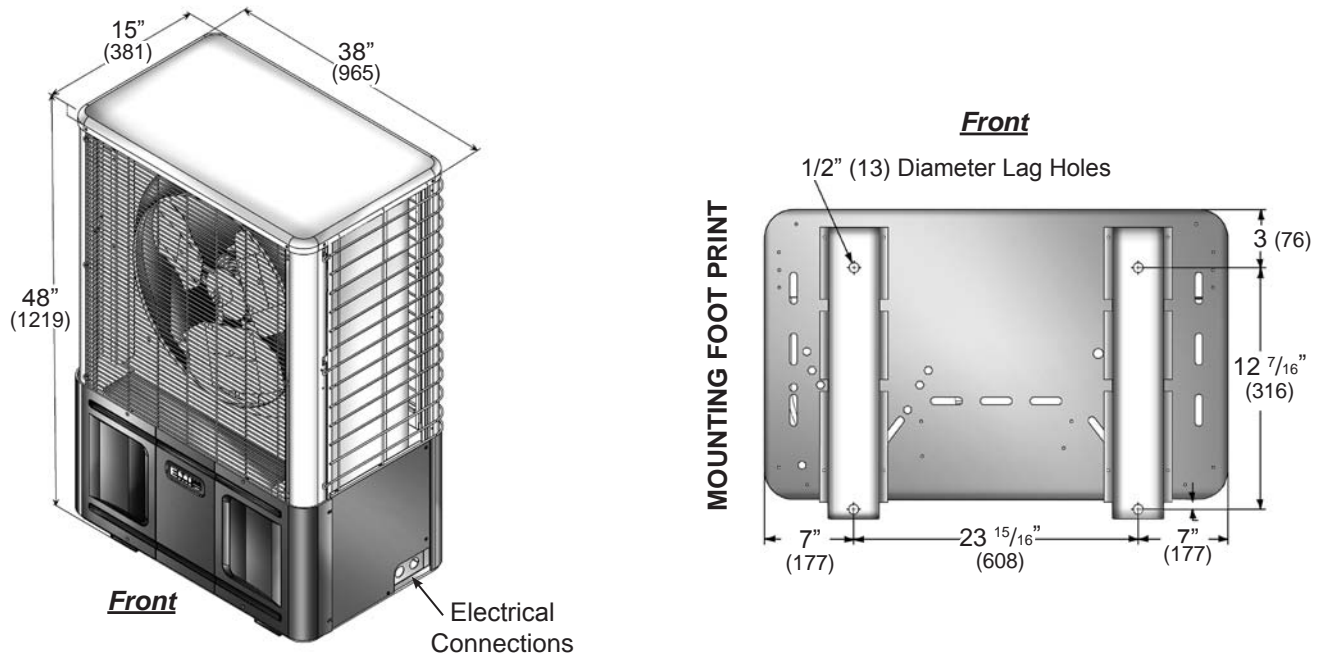
## PHYSICAL DIMENSIONS

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### INDOOR UNIT



### OUTDOOR UNIT



Note: Numbers in ( ) are mm.