

Condenser Dry Charged

13 SEER 3 Phase

# Split System Air Conditioner

**NITROGEN  
CHARGED**

Form No. 2SCU13LC-100 (06/2012)

## 2SCU13 Features and Benefits

### COMPRESSOR

- Nitrogen charged for replacement of R22 components only
- High-efficiency scroll compressor
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions

### CABINET

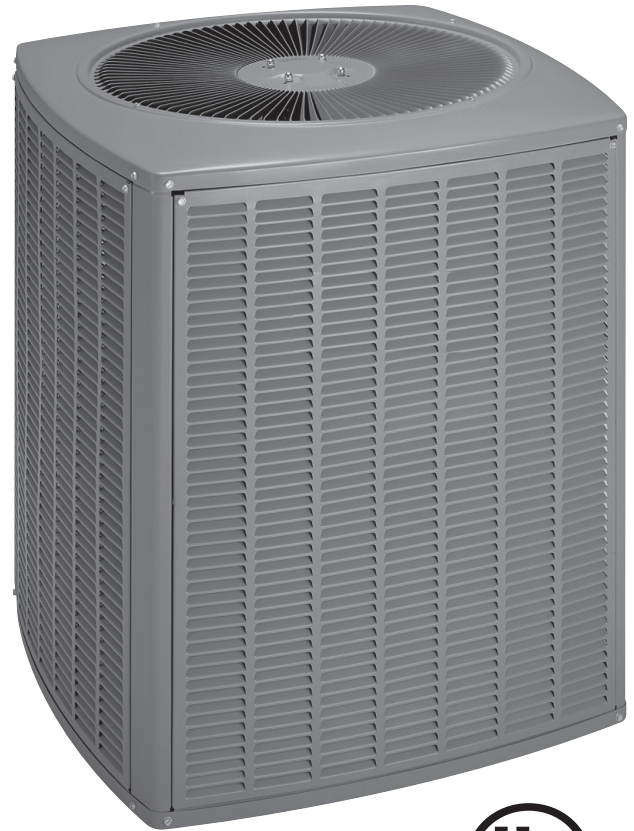
- Full metal louvered panel coil guard protection
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- External gauge ports for easy service

### COIL

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

### DESIGN

- Designed for ambients up to 125°F



### COMPONENTS

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Filter drier installed for system protection
- Service valves positioned for quick installation and easy service
- Indoor coil orifice shipped with outdoor unit for optimum efficiency and capacity
- Trade available components

### WARRANTY

- 1 year parts; 5 year compressor

**ALLIED**<sup>TM</sup>  
Commercial

## Model Number Guide

2	SCU	13	LC	1	36	T	-	1	A
2 - R22 Refrigerant	Split Condensing Unit	13 - 13 SEER Nominal	Louvered Commercial	Series	Nominal Capacity 36 - 36,000 Btuh 48 - 48,000 Btuh 60 - 60,000 Btuh	Voltage T - 208-230v/60hz/3Ph	Major Revision Code	Minor Revision Code	

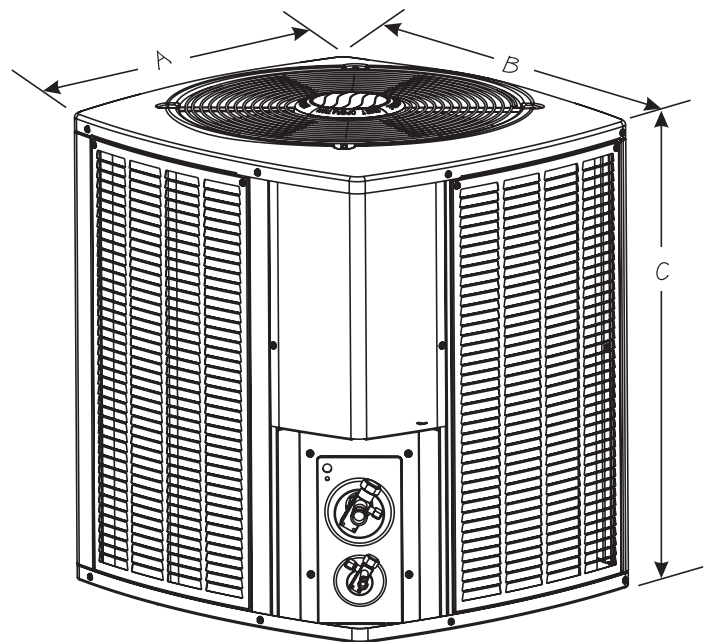
## Electrical and Physical Data

Model	Voltage/ Hz/ Phase	Voltage Range	Min. Circuit (Amps)	Max. Fuse (Amps)	Compressor		Outdoor Fan Motor			Field Supplied R22 Charge (oz.)	Shipping Weight (lbs)
					Rated Load (Amps)	Locked Rotor (Amps)	Full Load (Amps)	Rated HP	Nom. RPM		
2SCU13LC136T	208-230/3/60	197-253	14.5	25	10.8	73	1.1	1/5	1075	92	196
2SCU13LC148T	208-230/3/60	197-253	17.7	30	12.8	93	1.7	1/4	825	120	212
2SCU13LC160T	208-230/3/60	197-253	20.9	35	15.4	114	1.7	1/4	825	160	272

Note:  
Units are factory shipped with dry nitrogen holding charge

## Unit Dimensions & Sound Ratings

Model	Dimensions			Sound Ratings (dBA)
	A - width (in.)	B - depth (in.)	C - height (in.)	
2SCU13LC136T	24-3/4	26-3/4	33-3/4	76
2SCU13LC148T	29-3/8	31-1/4	37-3/4	78
2SCU13LC160T	29-3/8	31-1/4	33-3/4	78



## Cooling Performance with Evaporator Coils

Outdoor Model	Indoor Model	SEER	EER	ARI Rated Capacity <sup>1</sup> BTUH	Rated Sensible Capacity BTUH	CFM	Refrigerant Connection				Refrigerant Line Size		Indoor Expansion Device	
	Evaporator Coil <sup>3</sup>						Outdoor		Indoor		Suction	Liquid	Required Indoor Orifice <sup>2</sup>	Optional Field Installed TXV
							Suction	Liquid	Suction	Liquid				
2SCU13LC136T	E(U,C,M,H)1P36B,C	13	11	34,800	25,800	1200	7/8	3/8	3/4	3/8	7/8	3/8	0.076	A2TXV01
2SCU13LC148T	E(U,C,M,H)1P50C	13	11	45,500	34,100	1600	7/8	3/8	7/8	3/8	7/8	3/8	0.091	A2TXV02
2SCU13LC160T	E(U,C,H)1P49C	13	11	58,000	44,100	1800	7/8	3/8	7/8	3/8	1-1/8	3/8	0.099	H2TXV03

Note:  
EPA rules prohibit system installations (condensing unit coupled with an air handler or evaporator coil).

<sup>1</sup> Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240

<sup>2</sup> Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required

<sup>3</sup> A blower time delay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnaces and Air Handler products

## Accessories

Catalog / Kit Number	Description	Used with
58M81	Blower Off Delay Kit	All 2SCU's
69J03	Compressor Sound Covers	ALL 2SCU'S
45F08	Compressor Low Ambient Cut-Off	ALL 2SCU'S
93G35	Freezestats (3/8" tubing)	ALL 2SCU'S
50A93	Freezestats (5/8" TUBING)	ALL 2SCU'S
94J46	High Pressure Switch Kit (AC only)	ALL 2SCU'S
84M23	Loss of Charge Kit (AC only)	ALL 2SCU'S
47J27	Compressor Time Off Control (AC only)	ALL 2SCU'S
93M04	Crank Case Heater - CCH	3 TON
93M05	Crank Case Heater - CCH	4 & 5 TON
24H77	Low Ambient (AC - R22)	ALL SCU13'S
A2TXV01	TXV Kit	3 TON
A2TXV02	TXV Kit	4 TON
H2TXV03	TXV Kit	5 TON



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