



16 SEER CONDENSERS FOR R-410A

- **Micro-channel coils** are highly corrosion resistant, easier to clean and stronger than tube and fin coils
- **Louvered metal jacket** of galvanized steel with a polyester urethane finish protects the coil while adding to the attractive appearance, vertical slots add stability and strength
- **High pressure switch** protects against excessively high system pressures, include auto reset feature to prevent “nuisance” service calls
- **Liquid line filter-drier** is included for field installation
- **Composite base pan** is stronger and lighter than steel, resists corrosion and absorbs sound
- **Heavy duty scroll compressors** are designed for long life and efficiency, with virtually silent operation; RSG1660 has a two stage compressor for optimum comfort
- **Heavy duty grille assembly** makes it easy to access components from top for service without disconnecting fan motor, designed for maximum air flow and quiet operation
- **Compressor and control access** is conveniently located on the side of the unit to speed installation and service
- **Service ports** are conveniently located to simplify service



**RSG16
SERIES
2 to 5 Tons**



The RSG Series of high efficiency A/C condensers comes charged with R-410A, an environmentally friendly refrigerant.

Can be slab- or rooftop-mounted

Outstanding Limited Warranty Coverage—12 years compressor, 12 years other parts!

With registration within 90 days by original owner; other limitations apply: see printed warranty for details.



PERFORMANCE DATA–AHRI STANDARD CONDITIONS

INDOOR/OUTDOOR MATCHES			COOLING PERFORMANCE			NOM. AIR FLOW SCFM
INDOOR TYPE	COOLING OUTDOOR MODEL	INDOOR COIL MODEL	CAPACITY (BTUH)	EFFICIENCY*		
			TOTAL	SEER	EER	
AIR HANDLER W/ TXV AND ECM DRIVE	RSG1624S1E	HCG24V1E	24,000	16.0	13.0	840
	RSG1630S1E	HCG30V1E	30,000	16.0	13.0	980
	RSG1636S1E	HCG36V1E	35,600	16.0	13.0	1045
	RSG1642S1E	HCG48V1E	41,000	16.0	13.0	1250
	RSG1648S1E	HCG48V1E	46,000	16.0	13.0	1400
	RSG1660S1E	HCG60V1E	55,000	16.0	12.5	1600
AIR HANDLER WITH TXV AND FIXED TORQUE	RSG1624S1E	HMG24X1E	24,000	16.0	13.0	835
	RSG1630S1E	HMG30X1E	29,000	16.0	13.0	995
	RSG1636S1E	HMG36X1E	34,200	16.0	13.0	1035
	RSG1642S1E	HMG48X1E	40,000	16.0	13.0	1200
	RSG1648S1E	HMG48X1E	46,000	16.0	13.0	1500
HYDRONIC AIR HANDLER	RSG1624S1E	HWCG24X0A	23,400	15.5	12.8	800
		HWCG30X0A	24,000	16.0	13.3	800
	RSG1630S1E	HWCG30X0A	30,000	16.0	13.0	980
	RSG1636S1E	HWCG42X0A	36,000	16.0	13.0	1200
	RSG1642S1E	HWCG48X0A	41,000	16.0	13.0	1250
	RSG1648S1E	HWCG48X0A	47,500	16.0	13.0	1600
		HWCG60X0A	48,000	16.0	13.1	1600
RSG1660S1E	HWCG60X0A	55,500	16.0	12.5	2000	
UPFLOW CASED COIL*	RSG1624S1E	VMG24FAE, -24FBE*	24,000	16.0	13.0	745
	RSG1630S1E	VMG30FCE, VMG36FAE, -36FBE*	28,200	15.0	12.5	860
	RSG1636S1E	VMG42FBE, -42FCE*	36,000	16.0	13.0	1105
	RSG1642S1E	VMG42FBE*	40,500	16.0	13.0	1105
		VMG42FCE*	41,000	16.0	13.0	1200
	RSG1648S1E	VMG48FCE, -48FDE*	47,500	16.0	13.0	1500
	RSG1660S1E	VMG60TC1E, -60TD1E*	56,500	16.0	13.0	1575
MULTI-POSITION CASED COIL*	RSG1624S1E	MMG24FAE, -24FBE*	24,000	16.0	13.0	745
	RSG1630S1E	MMG30FCE, MMG36FAE, -36FBE*	28,200	15.0	12.5	860
	RSG1636S1E	MMG42FBE, -42FCE*	36,000	16.0	13.0	1105
	RSG1642S1E	MMG42FBE*	40,500	15.5	13.0	1105
		MMG42FCE*	41,000	16.0	13.0	1200
	RSG1648S1E	MMG48FCE, -48FDE*	47,500	16.0	13.0	1500
	RSG1660S1E	MMG60TC1E, -60TD1E*	56,500	16.0	13.0	1575
UPFLOW/DOWNFLOW UNCASD COIL*	RSG1624S1E	CMG24FAE, -24FBE*	24,000	16.0	13.0	745
	RSG1630S1E	CMG30FCE, CMG36FAE, -36FBE*	28,200	15.0	12.5	860
	RSG1636S1E	CMG42FBE, -42FCE*	36,000	16.0	13.0	1105
	RSG1642S1E	CMG42FBE*	40,500	15.5	13.0	1105
		CMG42FCE*	41,000	16.0	13.0	1200
	RSG1648S1E	CMG48FCE, -48FDE*	47,500	16.0	13.0	1500
	RSG1660S1E	CMG60TC1E, -60TD1E*	56,500	16.0	13.0	1575

* IMPORTANT: Efficiencies and capacities vary depending on the equipment used for air delivery. See the current AHRI Directory for all certified combinations and ratings:
www.ahridirectory.org

COIL WIDTH: XMGXXTA 14¹/₄" Cased, 12³/₄" Uncased
 XMGXXTB 17¹/₂" Cased, 16" Uncased
 XMGXXTC 21" Cased, 19¹/₂" Uncased
 XMGXXTD 24¹/₂" Cased, 23" Uncased

Some matches may require an additional orifice or TXV. See technical documentation for details.

LINE SIZES and COMPRESSOR

MODEL	CONNECTION SIZE (inch ODA Fe-male)		STANDARD LINE SIZE (in. OD)			COMPRESSOR TYPE
	LIQUID	SUCTION	LIQUID	SUCTION		
				15' to 24'	25' to 75'	
RSG1624S1E	3/8	3/4	3/8	3/4	3/4	Scroll, single stage
RSG1630S1E	3/8	3/4	3/8	3/4	3/4	Scroll, single stage
RSG1636S1E	3/8	3/4	3/8	3/4	7/8*	Scroll, single stage
RSG1642S1E	3/8	7/8	3/8	7/8	7/8	Scroll, single stage
RSG1648S1E	3/8	7/8	3/8	7/8	7/8	Scroll, single stage
RSG1660S1E	3/8	7/8	3/8	7/8	1-1/8**	Scroll, two stage

* Requires 7/8" to 3/4" reducer from line to unit.

** Requires 7/8" to 1-7/8" reducer from line to unit.

ELECTRICAL AND PHYSICAL DATA

MODEL	RSG1624	RSG1630	RSG1636	RSG1642	RSG1648	RSG1660
Power Supply	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Total Amps	14.1	13.7	15.1	19.4	22.4	31.4
Delay Fuse Max.*	30	25	30	40	45	60
Min. Circ. Ampacity	17.5	16.9	18.6	23.9	27.4	38.6
Coil Area Sq. Ft.	13.3	15.2	22.8	25.3	25.3	25.3
Coil Rows-FPI	1-23	1-18	1-18	1-23	1-23	1-23
Coil Tube Dia. OD	Micro-Channel					
Fan Motor Type	PSC	PSC	PSC	PSC	BLDC	BLDC
Fan Motor Amps	0.7	0.9	1.0	1.5	2.6	2.6
Fan HP	0.10	0.13	0.20	0.25	0.33	0.33
Compressor RLA	13.4	12.8	14.1	17.9	19.8	28.8
Compressor LRA	58.3	64.0	77.0	112.0	109	152.9
Refrig. Charge (oz.)**	64	67	78	104	85	117

*HACR type circuit breaker may be used.

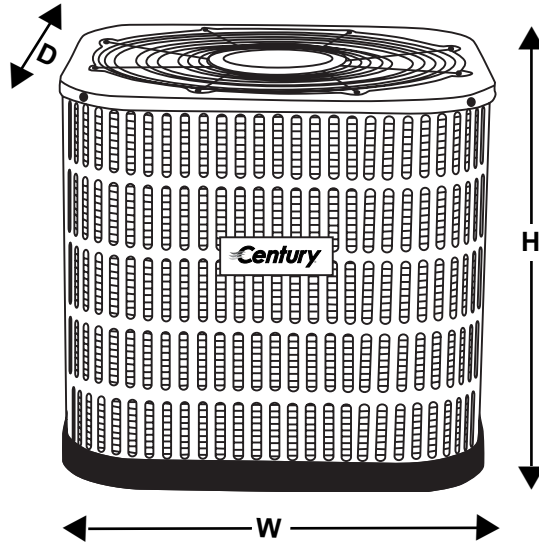
**Factory charged for 15' line set. Extra refrigerant needed for line sets over 15 feet, as well as different suction line sizes (see IOM for details).

MODEL NOMENCLATURE

R	S	G	16	24	S	1	E
Residential Condenser	Split System	'Green' Gas R-410A	Minimum SEER	Capacity BTUH x 1000	S = Scroll Compressor	Power 1 = 208/230-1-60	Series/ Revision

UNIT DIMENSIONS (inches)

DIMENSION	RSG1624S1E	RSG1630S1E	RSG1636S1E	RSG1642S1E	RSG1648S1E	RSG1660S1E
HEIGHT	35½	27½	39½	43½	43½	43½
WIDTH	22¾	30¾	30¾	30¾	30¾	30¾
DEPTH	22¾	30¾	30¾	30¾	30¾	30¾
WEIGHT (lbs) NET/SHIPPING	123/128	136/144	203/212	208/217	218/227	224/233



PART NO.	DESCRIPTION
912933	Start Assist Kit—for extra starting torque when operating in low line voltage or high operating temperatures
920900	Extreme Wind Mounting Kit

Design, specifications, performance data and materials subject to change without notice.



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