

STANDARD FEATURES:

- R410A chlorine-free refrigerant
- Energy-efficient compressor
- Internal protection against high temperature motor overload conditions
- High quality copper tube and aluminum fin condenser
- Service valves with sweat connections and easy-access gauge ports
- Factory-installed high pressure switch and low pressure switch
- AHRI certified and ETL listed
- Filter drier included

CABINET FEATURES:

- Unique top design for sound control
- Compact design, easy installation, and transportation
- Powder-coated galvanized steel cabinet
- Wire fan grille
- Steel louver coil guard

SPLIT SYSTEM HEAT PUMP

Up to 15.2 SEER2

Cooling capacity: 18 - 60 kBtu/h



For the latest AHRI system matches,
please visit www.marsdeliversratings.com
or AHRIdirectory.org

Comfort-Aire[®]

Limited Warranty

5 years on unit parts. Unit cost replacement if heat exchanger, condenser coil, evaporator coil (packaged systems only), or compressor fails in the first year.

With registration, 10 years on compressor and 20 years on heat exchanger.

(Limitations apply, see actual warranty for complete details.)

www.comfort-aire.com

MODEL NUMBER GUIDE

R	S	H	15	18	S	1	A
Residential	Split	Heat Pump	SEER 2	Capacity BTUH x 1000	SE Series	Power 1 = 208/230- 1-60	Revision Level

SPECIFICATIONS

	RSH1518S1A	RSH1524S1A	RSH1530S1A	RSH1536S1A
NOMINAL CAPACITY				
Cooling (BTU/h)	18,000	24,000	30,000	36,000
Heating (BTU/h)	18,000	24,000	30,000	36,000
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253	187/253	187/253
MCA	13.0	15.5	17.2	23.0
MOP	20	24	30	40
COMPRESSOR				
Type	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single
RLA	8	8	8	8
LRA	48	52	72	75
Crankcase Heater	Yes	Yes	Yes	Yes
CONDENSER COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D.)	3/16	3/16	3/16	3/16
FAN MOTOR				
Motor Type	ECM	ECM	ECM	ECM
Horsepower (HP)	1-1/6	1-1/6	1-1/6	1-1/3
Full Load Amps (FLA)	1.6	1.6	1.6	2.2
REFRIGERATION SYSTEM				
Liquid Valve Size (O.D.)	3/8	3/8	3/8	3/8
Valve Size (O.D.)	3/4	3/4	3/4	3/4
Liquid Line Size (O.D.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.)	3/4	3/4	3/4	3/4
Refrigerant Charge (lbs. - oz.)	5 LBS.-4 OZ	6 LBS.-7 OZ	6 LBS.-7 OZ	7 LBS.-2 OZ
Superheat (°F)	9 °F	9 °F	9 °F	9 °F
OPERATION RANGE				
Cooling (°F)	55-115	55-115	55-115	55-115
Heating (°F)	5-86	5-86	5-86	5-86
Sound Power (dB)	72	74	73	73

NOTE:

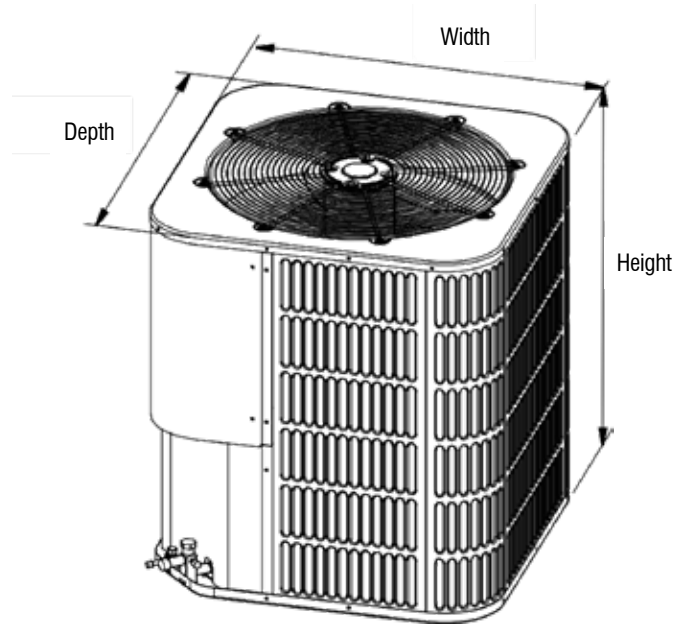
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SPECIFICATIONS

	RSH1542S1A	RSH1548S1A	RSH1560S1A
NOMINAL CAPACITY			
Cooling (BTU/h)	42,000	48,000	60,000
Heating (BTU/h)	42,000	48,000	60,000
ELECTRICAL DATA			
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253	187/253
MCA	29.6	34.6	38.9
MOP	50	60	60
COMPRESSOR			
Type	Scroll	Scroll	Scroll
Stage	Single	Single	Single
RLA	8	8	8
LRA	112.3	94	127.1
Crankcase Heater	Yes	Yes	Yes
CONDENSER COIL			
Type	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D.)	3/16	3/16	9/32
FAN MOTOR			
Motor Type	ECM	ECM	ECM
Horsepower (HP)	1-1/3	1-1/3	1-1/3
Full Load Amps (FLA)	2.2	2.2	2.2
REFRIGERATION SYSTEM			
Liquid Valve Size (O.D.)	3/8	3/8	3/8
Valve Size (O.D.)	7/8	7/8	7/8
Liquid Line Size (O.D.)	3/8	3/8	3/8
Suction Line Size (O.D.)	7/8	11/8	11/8
Refrigerant Charge (lbs. - oz.)	8 LBS.-7 OZ	8 LBS.-7 OZ	11 LBS.-5 OZ
Superheat (°F)	9 °F	9 °F	9 °F
OPERATION RANGE			
Cooling (°F)	55-115	55-115	55-115
Heating (°F)	5-86	5-86	5-86
Sound Power (dB)	76	76	78

RSH15**S1A



	RSH1518S1A	RSH1524S1A	RSH1530S1A	RSH1536S1A	RSH1542S1A	RSH1548S1A	RSH1560S1A
DIMENSIONS AND WEIGHTS							
Height (in.)	24-15/16	24-15/16	24-15/16	24-15/16	33-3/16	33-3/16	33-3/16
Width (in.)	23-5/8	28	28	28	29-1/8	29-1/8	29-1/8
Depth (in.)	23-5/8	28	28	28	29-1/8	29-1/8	29-1/8
Weight (lbs.)	137	154	157	179	198	201	218

	Where Used	Kit #	Purpose
System Accessories (indoor section)			
TXV Kit	18, 24, 30, 36	TR6-3TONNB	TXV's provide superior refrigerant flow control, comfort and efficiency compared to pistons
	42, 48	TR6-4TON	
	60	TR6-5TON	

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.