

RussMetic condensing units





RussMetic CONDENSING UNITS

Russell RussMetic

RussMetic Condensing Units answer applications for full temperature range capabilities in small unit areas. The compact model enables its use with a variety of unit coolers for increased efficiencies. The complete line is designed for safe operation and is listed by Underwriters' Laboratory.

RANGE OF CAPACITIES

1 h.p. and 1-1/2 h.p. R-12, 2 h.p. R-502, Low Temp 1 h.p. and 2 h.p. R-12 Medium Temp

1 h.p. to 1-1/2 h.p. R-12, High Temp

COMPRESSOR

Sealed Hermetic, internal overload, internally isolated for vibration absorption.

FAN

Direct drive, low-tip speed for quiet operation.

HEAD PRESSURE CONTROL

A standard feature is a pressure-operated fan cycling switch that maintains head pressure when condensing unit is exposed to temperatures as low as -20°F. Includes inlet hood.

REFRIGERANT LINES

Included in each unit is a suction filter, liquid-line filter-drier, liquid indicator visible outside casing, solenoid valve, liquid receiver, shut-off valves to isolate the liquid-line drier. Gauge connections are provided with Shrader valves external to unit casing.

ELECTRICAL

Either 230 volt, single phase; or 230 volt, three phase, power (except C11) with fused safety switch to disconnect power. High pressure and low pressure cut-out switches are used to protect against unusual high or low pressures. 230 volt, 3 phase standard on all models except C11 (C11 available single phase only). Single phase available on all other models on special order.

ALL-WEATHER HOUSING

Light weight, rust-resistant aluminum casing is used to protect against the elements. The casing is readily removable for access to all parts.

ACCUMULATOR

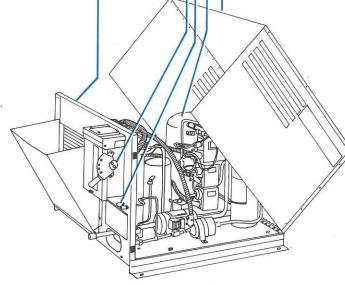
The suction-line accumulator protects the compressor against liquid slugging.

TIMER

The timer is standard on low-temp models only and is a Paragon 8145-20 or equal. Clearly marked electrical leads are provided in the fused safety switch for connection to external circuit.



- HINGED COVER
 PROVIDES EASY
 ACCESS FOR INSTALLATION
 AND SERVICING
- HERMETICALLY SEALED COMPRESSOR; ALL PIPING, AND ALL REFRIGERANT LINES
- EXTERNAL CHARGING PORT FITTINGS
- UP-FRONT FUSED
 DISCONNECT SWITCH FOR
 SAFETY AND CONVENIENCE-
- COMPACT SIZE FITS
 TIGHT AREAS:
 25½" D X 20" H
 X 28¼" W——



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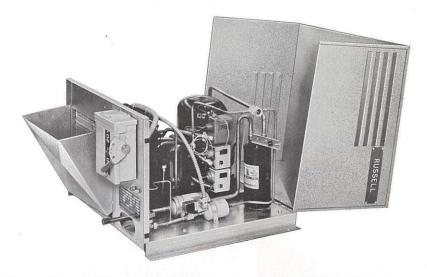
Russell

SPECIFICATIONS / RussMetic Subject to change without notice.

MODEL RAN	IGES					Electrical					
\						208/230/		cai 208/230/	3/60	CONN	ECTIONS
HIGH TEMP C11 C1.51 MEDIUM TEMP	Compr AJ4512A AH4518A	HP 1 1.5	Refrig. R - 12 R - 12	Rec. Cap. 6.0 8.8	Weight 160 192	Amp. 7.0 10.0	LRA 41.0 45.0	Amp. 6.3	LRA 34.0	Liquid Flare 3/8 3/8	Suction O.D. 5/8 7/8
B11 B1.51 B21	AH7480A AH7511A AH7514A	1 1.5 2	R - 12 R - 12 R - 12	6.0 8.8 8.8	168 201 290	6.5 8.6 10.0	41.0 45.0 60.0	5.3 5.7 7.3	34.0 34.0 49.0	3/8 3/8 3/8	5/8 7/8 7/8
A11 A1.51 A25	AH2445A AH2466A AH2511K	1 1.5 2	R - 12 R - 12 R - 502	6.0 8.8 7.9	203 190 191	8.2 9.0 11.4	51.0 71.0 81.0	3.8 5.4 9.7	34.0 47.0 65.0	3/8 3/8 3/8	5/8 7/8 7/8
	Refrig.	Мо	del	Comp. H.P.	45°	9	30°	uction Temp 25°		20°	0°
90° AMBIENT	R - 12 R - 12 R - 12 R - 12 R - 12	C1 B11 C1. B1. B21	51 51	1 1 1-1/2 1-1/2 2	11,700 17,400 	1) 1; 1	9,000 0,100 3,600 5,790 6,800	8,200 9,400 12,250 14,250 15,400		7,400 8,600 10,900 12,800 14,000	5,300 8,300 9,500
	R - 12 R - 12 R - 502	A11 A1. A25	51	1 1-1/2 2	0° 6,200 8,800 13,300	(-10° 4,900 6,900 0,700	-20° 3,750 5,200 8,500		-30° 2,600 3,600 6,300	-40° 1,550 2,200 4,400
100° AMBIENT	R - 12 R - 12 R - 12 R - 12 R - 12	C11 B11 C1. B1. B21	51 51	1 1 1-1/2 1-1/2 2	45° 11,150 16,600	15 12 14 15	30° 3,600 9,550 3,000 4,600 5,600	25° 7,800 8,850 11,650 13,100 14,200	=	20° 7,050 8,100 10,300 11,750 12,800	0° 4,800 7,300 8,400
)	R - 12 R - 12 R - 502	A11 A1.5 A25	51	1 1-1/2 2	5,900 8,300 12,500	(-10° 4,650 6,500 0,000	-20° 3,450 4,900 7,700		-30° 2,350 3,400 5,600	-40° 1,300 2,000 3,700
110° AMBIENT	R - 12 R - 12 R - 12 R - 12 R - 12	C11 B11 C1. B1. B21	51 51	1 1 1-1/2 1-1/2 2	45° 10,500 15,750 	12 13	3,000 3,000 3,000 2,300 3,400 4,600	25° 7,400 8,300 11,050 11,900 13,250		20° 6,700 7,550 9,800 10,600 11,900	0° 4,300 6,300 7,400
	R - 12 R - 12 R - 502	A11 A1.5 A25		1 1-1/2 2	0° 5,600 7,900 11,600	4	- 10° 1,400 5,100 0,100	-20° 3,200 4,500 6,900		-30° 2,100 3,100 4,800	-40° 1,100 1,800 2,900

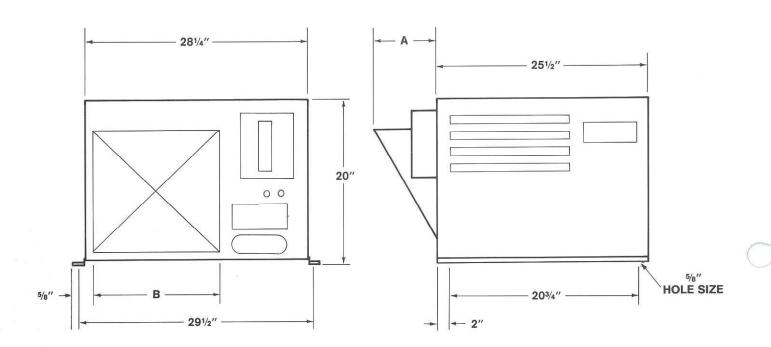
LINE SIZES

	the state of the s				
	LIQ.	SUC.			
A11	3/8" FL	5/8 ODS			
A1.51	3/8" FL	7/8 ODS			
A25	3/8" FL	7/8 ODS			
B11	3/8" FL	5/8 ODS			
B1.51	3/8" FL	7/8 ODS			
B21	3/8" FL	7/8 ODS			
C11	3/8" FL	5/8 ODS			
C1.51	3/8" FL	7/8 ODS			



MECHANICAL SPECIFICATIONS / dimensions shown in inches

	"A"	"B"	
UNIT	SIZE	SIZE	
A11	8"	151/2"	
A1.51	12"	17"	
A25	12"	17"	
B11	8"	151/2"	
B1.51	12"	17"	
B21	12"	17"	
C11	8"	151/2"	
C1.51	12"	17"	



WARRANTY

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Warranty terms are listed under "Terms of Sale." Russell RussMetic Condensing Units are manufactured of the finest materials and under the strictest quality control procedures possible. We believe they are the finest available units of their type. However, installers should provide in their contract price for start-up adjustments and in-warranty service, as we can make no labor or refrigerant allowances for component replacements or repairs.

Compressor replacement, in or out of warranty, shall be handled as follows:

- 1. Determine that compressor is defective. We will make no allowance for charges on compressors which the compressor manufacturer determines not to be defective.
- 2. Exchange the defective compressor at an authorized wholesale distributor of the compressor manufacture. This exchange will be handled in accordance with the compressor manufacturer's procedure. We do not make compressor exchanges, however, if an authorized wholesale distributor cannot obtain specified compressor, consult factory.
- 3. Russell Coil Company warrants to the original Purchaser-User the RussMetic unit to be free from defects in material and workmanship under normal use and service for a period of twelve months from date of shipment.

Additional four year warranty on compressor only can be purchased from the Russell Coil Company. Cost of additional four year warranty varies with size and type of unit. Consult the Russell distributor or factory for price.

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