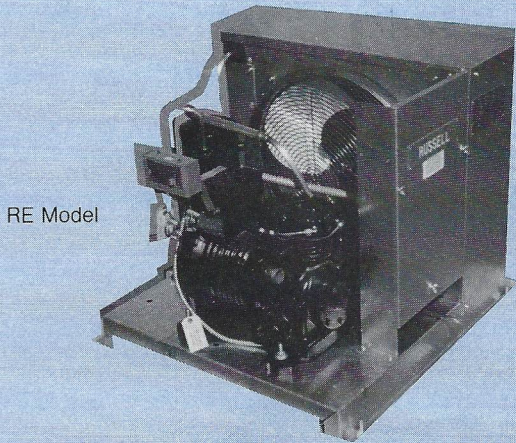
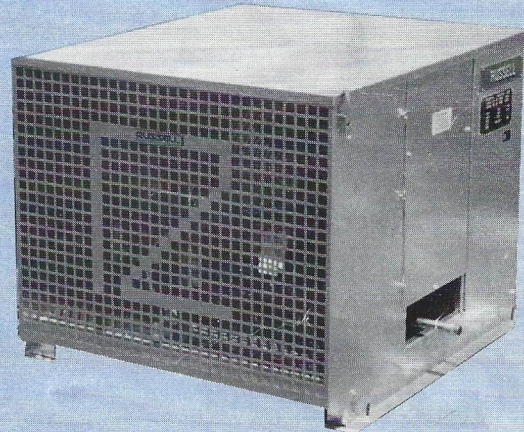


3/4 through 3 HP MINI Russ Con CONDENSING UNIT

CATALOG NO. 501.3
SEPTEMBER 1988



RE Model



RC/RS Model



FEATURES — RE MODELS (Indoor)

- **COMPRESSOR** - Accessible semi-hermetic (C-models with hermetic) with service valves.
- **CONDENSER COIL** - Copper tubes, aluminum fins, with separate sub-cooling circuit.
- **MOTOR (CONDENSER FAN)** - 1050 RPM, life lubricated, thermal overload protected.
- **FAN** - High efficiency, individually balanced aluminum fan.
- **FAN GUARD** - Meets U.L. safety standards.
- **RECEIVER** - Includes shut off valve and fusible plug.
- **BASE** - Galvanized steel.
- **HIGH-LOW PRESSURE CONTROL**
- **VIBRATION ABSORBER** - Discharge (except hermetic C-models).
- **COMPRESSOR CONTACTOR** - In control box with control circuit fuses.
- **ELECTRICAL CHARACTERISTICS** - 208/230/3. (1½C22 and 2C22 models available in 208/230/1 only).

FEATURES — RC MODELS (Outdoor)

- | | |
|--|---|
| <ul style="list-style-type: none"> ■ ALL FEATURES OF RE MODELS ■ ALL WEATHER HOUSING ■ LIQUID LINE COMPONENTS - Sightglass/ moisture indicator and filter-drier installed. | <ul style="list-style-type: none"> ■ CRANKCASE HEATER ■ SUCTION LINE COMPONENTS - Vibration absorber (except Hermetic C-models) and filter installed. |
|--|---|

FEATURES — RS MODELS (Outdoor - Russ Saver)

- | | |
|--|---|
| <ul style="list-style-type: none"> ■ ALL FEATURES OF RC MODELS | <ul style="list-style-type: none"> ■ RUSS-SAVER LOW AMBIENT CONTROL |
|--|---|

OPTIONS (Installed unless otherwise indicated)

- | | |
|---|---|
| <ul style="list-style-type: none"> ■ OUTDOOR HOUSING (RE) ■ CRANKCASE HEATER (RE) ■ LIQUID LINE COMPONENTS (RE) <ul style="list-style-type: none"> • Sight glass and filter-drier, factory installed ■ LIQUID LINE SOLENOID ASSEMBLY (RE/RC/RS) ■ ON/OFF PUMPDOWN SWITCH (RE/RC/RS) ■ SUCTION LINE COMPONENTS (RE) <ul style="list-style-type: none"> • Vibration absorber (except Hermetic C-models) and filter, factory installed | <ul style="list-style-type: none"> ■ SUCTION ACCUMULATOR (RE/RC/RS) <ul style="list-style-type: none"> • Piped in with suction line components ■ LOW AMBIENT FLOODED CONTROL (RE/RC) ■ TIME CLOCK (RE/RC/RS) ■ DEFROST CONTACTOR (RE/RC/RS) ■ 230/60/1 COMPRESSOR (RE/RC/RS) ■ 208/60/1 COMPRESSOR (RE/RC/RS) ■ FUSED DISCONNECT (RE/RC/RS)
(Shipped loose) |
|---|---|

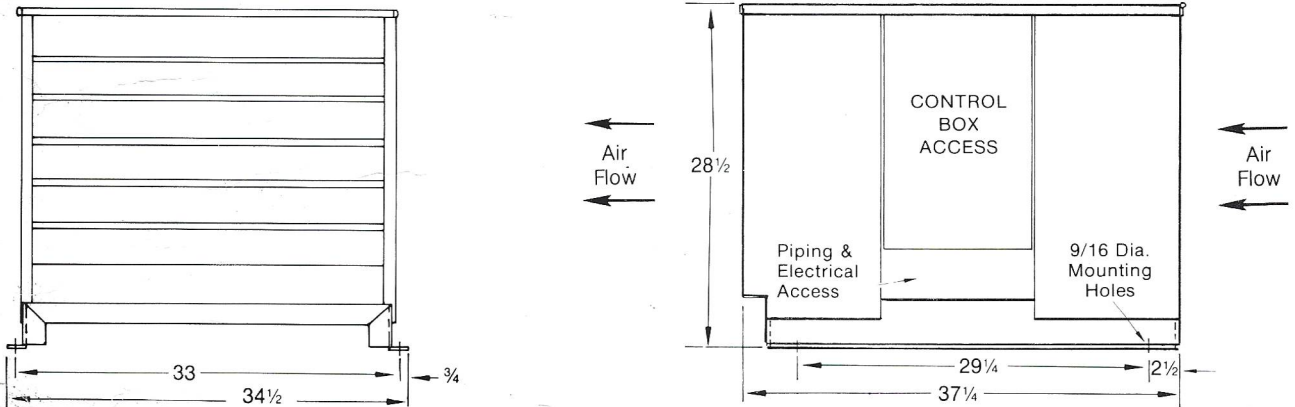
Condensing Unit Capacities (BTUH)

90° Ambient*

REF.	MODEL RE/RC/RS	HP	COMPRESSOR	SUCTION TEMPERATURE										
				+45	+35	+25	+20	+10	0	-5	-10	-20	-30	-40
R-12	¾-H12	¾	KAM-0075	10,400	8,530	6,890	6,150	4,800	3,640	—	—	—	—	—
	1-H12	1	KAJ-0100	12,800	10,600	8,620	7,730	6,140	4,790	—	—	—	—	—
	1-M12	1	KAK-0100	—	—	9,880	8,890	7,130	5,620	4,960	—	—	—	—
	1½-H12	1½	KAL-0150	19,400	16,000	13,100	11,600	9,200	7,130	—	—	—	—	—
	1½-M12	1½	KAT-0150	—	—	15,000	13,500	10,700	8,420	7,440	—	—	—	—
	2-H12	2	EAV-0200	25,800	21,900	17,900	16,000	12,800	9,930	—	—	—	—	—
	2-M12	2	EAL-0200	—	—	20,300	18,200	14,400	11,200	9,870	—	—	—	—
3-H12	3	LAH-0310	38,600	32,900	27,300	24,600	19,700	15,500	—	—	—	—	—	
3-M12	3	LAC-0310	—	—	29,900	26,900	21,800	17,900	16,200	—	—	—	—	
R-22	1½-C22	1½	CRC-0175	25,300	20,300	15,600	13,500	10,000	7,160	—	—	—	—	—
	2-C22	2	CRE-0225	31,000	24,700	19,200	16,800	12,300	8,720	—	—	—	—	—
	3-C22	3	CRK-0325	45,300	36,700	31,500	28,100	21,900	16,700	—	—	—	—	—
	3-H22	3	ERF-0310	40,500	33,300	27,000	24,000	18,900	14,600	—	—	—	—	—
R-502	¾-L52	¾	KAM-0075	—	—	—	—	—	—	5,510	4,850	3,680	2,720	1,960
	1-L52	1	KAJ-0100	—	—	—	—	—	—	7,120	6,300	4,840	3,590	2,560
	1½-L52	1½	KAL-0150	—	—	—	—	—	—	—	9,410	7,180	5,380	4,000
	2-L52	2	EAV-0200	—	—	—	—	—	—	14,400	12,800	10,000	7,690	5,740
	3-L52	3	LAH-0310	—	—	—	—	—	—	22,600	19,500	14,500	10,300	7,300

*Raise (lower) capacities 6% for each 10°F decrease (increase) in ambient temperature.

Dimension Data



Electrical Specifications

Nominal H.P.	Oper. Range	Unit Model Refrigerant			Compressor	Connections		RCVR Cap # 90% Full	Electrical Data					
		R-12	R-22	R-502		Liquid OD	Suction OD		230/1/60		230/3/60			
									Comp.	Cond. FLA	Comp. RLA	Comp. LRA	Cond. FLA	
¾	L			¾-L52	KAM-0075	3/8	5/8	10	6.0	30.4	2.8	2.7	19.9	2.8
¾	H	¾-H12			KAM-0075	3/8	5/8	11	6.0	30.4	2.8	2.7	19.9	2.8
1	L			1-L52	KAJ-0100	3/8	5/8	10	5.4	33.5	2.8	3.4	25.0	2.8
1	M	1-M12			KAK-0100	3/8	5/8	11	5.4	33.5	2.8	3.3	25.0	2.8
1	H	1-H12			KAJ-0100	3/8	5/8	11	5.4	33.5	2.8	3.4	25.0	2.8
1½	L			1½-L52	KAL-0150	3/8	7/8	10	5.6	44.0	2.8	5.4	35.5	2.8
1½	M	1½-M12			KAT-0150	3/8	7/8	11	6.1	44.0	2.8	5.0	35.5	2.8
1½	H	1½-H12			KAL-0150	3/8	7/8	11	5.6	44.0	2.8	5.4	35.5	2.8
2	L			2-L52	EAV-0200	3/8	7/8	16	10.0	58.0	2.8	6.6	46.0	2.8
2	M	2-M12			EAL-0200	3/8	7/8	17.6	8.7	58.0	2.8	7.1	46.0	2.8
2	H	2-H12			EAV-0200	3/8	7/8	17.6	10.0	58.0	2.8	6.6	46.0	2.8
1½	H		1½-C22		CRC-0175	3/8	5/8	16	12.9	54.0	2.8	—	—	—
2	H		2-C22		CRE-0225	3/8	5/8	16	15.3	65.0	2.8	—	—	—
3	H		3-C22		CRK-0325	1/2	7/8	16	23.9	95.4	2.8	15.3	82	2.8
3	H		3-H22		ERF-0310	1/2	7/8	16	17.0	86.0	2.8	11.7	82	2.8
3	L			3-L52	LAH-0310	1/2	1½	16	15.1	86.0	2.8	10.7	82	2.8
3	M	3-M12			LAC-0310	1/2	1½	17.6	15.4	86.0	2.8	10.0	82	2.8
3	H	3-H12			LAH-0310	1/2	1½	17.6	15.1	86.0	2.8	10.7	82	2.8