



95000 SERIES
SELF CONTAINED AIR-COOLED VERTICAL

TYPHOON

COMMERCIAL AIR CONDITIONING SYSTEMS

**SELF CONTAINED AIR COOLED
VERTICAL PACKAGED AIR CONDITIONERS**
5-Ton through 20-Ton Capacity



RSI Company

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ITS Intertek Testing Services



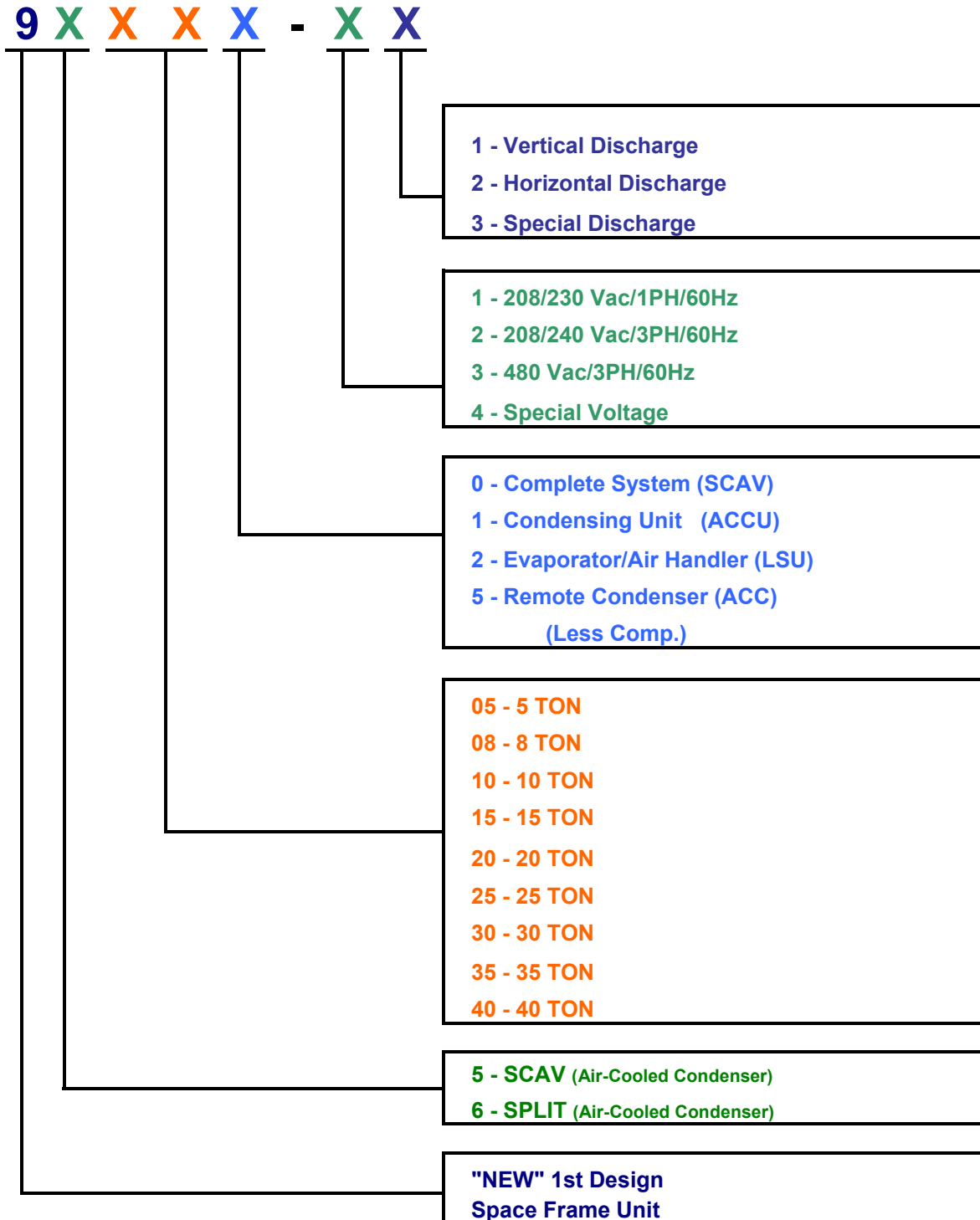
MEA#79-96-E, Vol. II



TYPHOON

COMMERCIAL AIR CONDITIONING SYSTEMS

MODEL NUMBER NOMENCLATURE
SCAV, SPLIT, COND, EVAPORATOR UNITS





TYPHOON

COMMERCIAL AIR CONDITIONING SYSTEMS

NO WATER REQUIRED
FLEXIBLE INSTALLATION
ADAPTABLE AIR DELIVERY

You'll find the efficiency, flexibility and unobtrusive styling of the SCAV hard to beat. Especially if your need is to provide effective air conditioning in a locality where water is scarce and high rise office buildings are plentiful. The SCAV gets along fine without cooling water and there is a model to handle the requirements of nearly every application.

With this thought in mind, we made the SCAV light and compact to fit in virtually every elevator and through every standard hall and doorway, even in older buildings. You never have any trouble getting the unit where the action is required. Because it is air-cooled, there is not need for external heat exchangers, water towers, and other space eaters. If the space to be conditioned is on an outside wall, you can do away with an equipment room as well. However, if it is necessary to install the unit someplace other than in the conditioned space, you need only add supply and return duct systems to carry conditioned air to and from the area. Either way installation is fast, easy and your SCAV will operate at the most convenient location.

We have also designed the unit so it can be used with either an optional plenum for "Free Blow" applications, or with ducted air delivery systems. Condenser air can be taken in through a convenient window or wall opening or brought to the unit location through suitably sized duct work. Simply choose the location, install proper ducting, arrange piping, make electrical connections and you're in business. To insure all-weather operation-down to 0°F.- low ambient head pressure control is optionally available.

Because the SCAV is available in 5, 8, 10, 15, 20, 25, 30, 35 and 40-ton capacity, you can choose a system that fits your particular conditions and requirements - without high installation costs. The 5-ton capacity unit has one circuit and one scroll compressor, 8-35 ton capacity unit is equipped with two scroll compressors and the 40-ton capacity unit has four scroll compressors. Units operate at either 50% or 100% capacity depending on the cooling demands.

Standard compressor warranty is valid for one year and an extended 5-year compressor option is also available. Each model features a rigid, heavy-gauge metal cabinet with internal bracing and reinforced blower framing to reduce operating noise to a minimum. Then the cabinet is thermally and acoustically insulated to make it even quieter.

The evaporator blower section can be ordered for either horizontal or vertical air discharge - to meet the needs of an existing air delivery system or to handle varying conditions such as low ceilings, etc.

Servicing the SCAV is fast and simple. The removable panels put all internal components within easy reach for inspection and service. Electrical components are centralized in a separate front or side compartment to permit servicing even while the unit is in operation. The SCAV has a nice looking appearance, too. That is because we have given it a smooth, unobtrusive styling and painted it a common, neutral color-Pearl Gray-to blend naturally and inconspicuously with modern office surroundings.



EASY TO INSTALL AND SERVICE



SCAV Features you will want to consider

Single, Compact Package. You just move the SCAV into position, duct to outside air, connect condensate drainage and electrical power, and turn it on. It's that simple. We've done all the rest by making the SCAV one, complete unit, air-cooled, self-contained package for comfort conditioning any indoor space. It's conveniently fits into elevators and through standard doorways and passages.

Air-Cooled Condenser. Forget about water shortages, pipes and plumbing, costly cooling towers, scale deposits

Adaptable Air Delivery. We designed the SCAV blower sections so you can have either vertical or horizontal air discharge to meet your particular requirements. An optional plenum is also available for "free blow" applications.

Ready Accessibility. Fast-removal, quick re-mount panels make it easy to inspect and service all internal components.

Contemporary Design. Modern Styling in Pearl Gray makes the SCAV a welcome and pleasant addition to any office. You get the comfort you want together with attractive appearance. Your custom colored SCAV is also an available option.

Scroll Compressors. The 5-ton SCAV is equipped with (1) scroll compressor. 8-ton through 35-ton are equipped with (2) scroll compressors and the 40-ton SCAV has (4) (2-tandem) compressors.

Centralized Electrical Controls. We have put all the electrical controls in one conveniently located, enclosed compartment where they can be reached, inspected, and serviced readily even while the unit is in operation.

Rigid, Heavy-Duty Cabinet for Quiet Operation. To build durability into each SCAV, we fabricate the cabinet from heavy-gauge steel, then bonderize it to resist rust and scratches for better paint adhesion. Next, we add rigid internal bracing to reduce the operating sound level. Generous thermal and acoustical insulation give you added assurance of unusually quiet operation.

Low Ambient Head Pressure Control (Optional). With this option your SCAV becomes an every-season unit. Allows you to operate your SCAV efficiently with outdoor ambients as low as 0° F.



COMMERCIAL AIR CONDITIONING SYSTEMS

PHYSICAL DATA – 5 TONS THROUGH 20 TONS CAPACITY

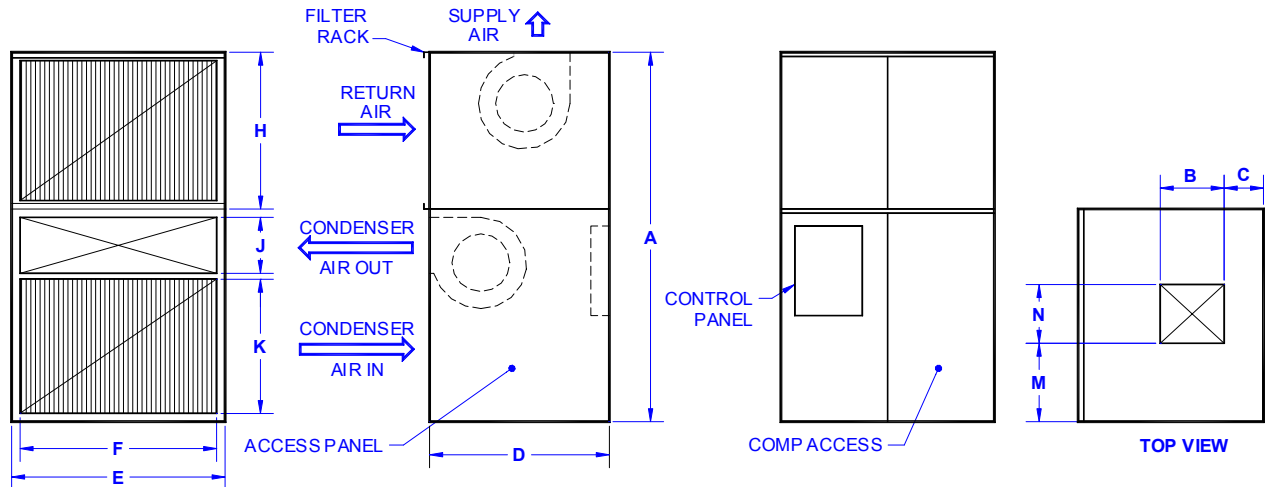
RATINGS COOLING (1)	5				8			10			15			20		
SCAV MODEL NO.	95050				95080			95100			95150			95200		
Total Capacity BTUH (1)	60000				96000			120000			180000			240000		
Nominal Air Flow CFM (2)	2000				3200			4000			6000			8,000		
POWER (4)	208-230V 1PH	208-230V	460V	575V	208-230V	460V	575V	208-230V	460V	575V	208-230V	460V	575V	208-230V	460V	575V
Disconnect Switch Size Amps	60	60	30	30	60	30	30	60	30	30	100	60	60	200	60	60
Wire Size AWG (5)	6	8	12	12	8	12	12	6	10	10	3	8	8	1	6	8
Fuse Size Max Amps (Dual Element)	60	35	17.5	15	50	25	17.5	60	30	25	100	50	40	25	60	45
COMPRESSOR(Type)	SCROLL															
Nominal HP	5				4 + 4			5 + 5			7.5 + 7.5			10 + 10		
Nameplate Amps	32.1	19.4	10.0	7.9	14.9	8.2	5.7	19.4	10.0	7.9	30.6	16.4	12.0	42.0	19.6	13.8
LR Amps/Comp	169	137	63.0	50.0	120	49.5	37.0	137	63.0	50.0	195	95.0	80.0	237	125	80.0
System #1/Capacity	(1) 5				(1) 4			(1) 5			(1) 7.5			(1) 10		
System #2/Capacity	N/A				(1) 4			(1) 5			(1) 7.5			(1) 10		
CONDENSER COIL																
Rows/FPI	4/12				4/12			4/12			5/12			5/12		
Face Area	5.55				11.55			11.55			17.47			17.47		
Tubes-Mat'l/Size in OD	COPPER 3/8															
EVAPORATOR COIL																
Rows/FPI	4/13				4/10			4/10			4/11			4/11		
Face Area	4.44				10.11			10.11			14.58			14.58		
Tubes-Mat'l/Size in OD	COPPER 3/8															
Refrigerant Control	TXV															
Drain Conn.Qty/Size FPT in.	(1) 1/2															
CONDENSER BLOWER																
(Qty) Diameter Width In.	(1) 12-12				(2) 15-11			(2) 15-11			(2) 15-15			(2) 15-15		
Drive/Speed RPM	Belt/829				Belt/633			Belt/668			Belt/801			Belt/822		
Blower (CFM)@.50 E.S.P. (3)	2500 @ .5"				4000 @ .5"			5000 @ .5"			9500 @ .5"			10,000 @ .5"		
Motor HP/Speed RPM	1 HP/1750				2 HP/1750			2 HP/1750			5 HP/1750			5 HP/1750		
EVAPORATOR BLOWER																
(Qty) Diameter Width In.	(1) 10 X 8				(1) 12 X 12			(1) 12 X 12			(1) 15 X 15			(1) 15 X 15		
Drive Speed RPM	Belt/1214				Belt/910			Belt/981			Belt/842			Belt/977		
Blower (CFM)@.50 E.S.P. (3)	2000 @ .5"				3200 @ .5"			4000 @ .5"			6000 @ .5"			8000 @ .5"		
Motor HP/Speed RPM	1/1750				1.5/1750			2/1750			3/1750			5/1750		
FILTERS																
Type Recommended	DISPOSABLE PLEATED AIR FILTER															
No./Size Rem'd In.	(2) 28" X 18" X 1"				(3) 20" X 30" X 2"			(3) 20" X 30" X 2"			(4) 20" X 30" X 2"			(4) 20" X 30" X 2"		
REFRIGERANT R22																
Circuit #1 Charge Lbs.	7.0				7.7			7.9			18.0			18.0		
Circuit #2 Charge Lbs.	N/A				7.7			7.9			18.0			18.0		
(Lbs) Shipping	585				910			985			1360			1395		
ENERGY EFFICIENCY RATIO	10.40				11.00			10.51			10.46			10.60		

- (1) ARI Rating – Air entering evaporator coil @ 80° DB 67° WB with 95° air entering condenser coil.
- (2) For capacity at 50 cycles, multiply rating by .86.
- (3) Higher external static available.
- (4) Ratings are for standard horsepower motors
- (5) Wire size is for 75 degrees C wire

ISSUED 7-29-02



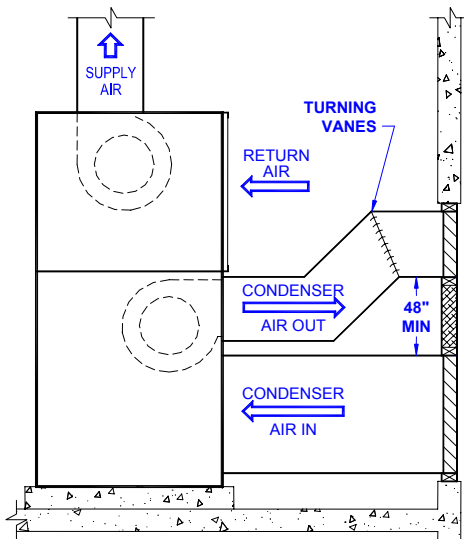
DIMENSIONAL DATA – 5 TONS THROUGH 20 TONS CAPACITY



Dimensions (Inches)

Model	A	B	C	D	E	F	H	J	K	M	N
05	66	11.38	7	32.3	38.5	35	28	10	24	14	10.5
08	79	13	9	32.3	58.5	55	31	10	33.5	21	15.5
10	79	13	9	32.3	58.5	55	31	10	33.5	21	15.5
15	79	16	2.25	32.3	80.5	74	31	10	33.5	30.25	20
20	79	16	2.25	32.3	80.5	74	31	10	33.5	30.25	20

IMPORTANT INSTALLATION GUIDELINES



Evaporator/Air Handler Airflow

Restrict maximum airflow across evaporator coil to 400 CFM per ton of A/C system capacity or 500 FPM, Whichever is greater. Excessive airflow will produce water carry-over and reduced performance

Condenser Air Supply

Indoor self-contained vertical A/C units with integral A/C condensers require free flow of fresh air supply to the condenser coil at a rate of 500 CFM per ton of system A/C capacity. Failure to provide this air supply will result in excessive discharge pressures and unnecessary cycling, causing a severe loss of cooling performance.

- 1) Certified Dimensional Drawings Available Upon Request
- 2) Water and Refrigerant Connects for All Unit Sizes Are Located on the Right Side (When Facing Unit Front)



**BLOWER MOTOR PERFORMANCE - EXTERNAL STATIC PRESSURE (IN. Wg)
 5-TON CAPACITY TO 10-TON CAPACITY**

95050 5-TON SCAV												
EVAPORATOR BLOWER PERFORMANCE												
	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
CFM	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
1500	903	.039	1029	0.49	1146	0.59	*	*	*	*	*	*
2000	1043	0.73	1148	0.86	1247	0.98	1340	1.11	1431	1.24	1517	1.38
2500	1193	1.25	1284	1.40	1370	1.55	1452	1.70	1531	1.86	*	*
CONDENSER BLOWER PERFORMANCE												
	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
CFM	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
2000	558	0.29	696	0.41	*	*	*	*	*	*	*	*
2500	635	0.49	756	0.64	864	0.80	965	0.96	*	*	*	*
3000	715	0.77	823	0.95	920	1.13	1011	1.32	1097	1.52	*	*

95080 8-TON SCAV												
EVAPORATOR BLOWER PERFORMANCE												
	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
CFM	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
2700	692	0.63	804	0.79	906	0.96	1001	1.13	*	*	*	*
3200	742	0.9	847	1.09	941	1.29	1028	1.48	1111	1.68	1191	1.90
3700	797	1.25	894	1.48	982	1.70	1064	1.92	1142	2.15	1216	2.38
CONDENSER BLOWER PERFORMANCE												
	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
CFM	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
3500	412	0.36	544	0.58	*	*	*	*	*	*	*	*
4000	438	0.48	562	0.72	*	*	*	*	*	*	*	*
4500	464	0.62	581	0.88	682	1.18	*	*	*	*	*	*

95100 10-TON SCAV												
EVAPORATOR BLOWER PERFORMANCE												
	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
CFM	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
3500	774	1.10	874	1.31	965	1.52	1049	1.74	1128	1.95	1204	2.17
4000	833	1.51	923	1.74	1009	1.99	1089	2.23	1163	2.47	1235	2.72
4500	900	2.04	976	2.28	1056	2.54	1132	2.84	1204	3.09	1271	3.36
CONDENSER BLOWER PERFORMANCE												
	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
CFM	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
4500	464	0.62	581	0.88	682	1.18	*	*	*	*	*	*
5000	492	0.78	602	1.04	699	1.40	784	1.70	*	*	*	*
5500	521	0.98	624	1.22	717	1.64	800	1.98	*	*	*	*

*For operation in ranges where no figures are given
 special design is required - Please consult factory

STANDARD MOTOR
FIRST OVERSIZE MOTOR
SECOND OVERSIZE MOTOR



BLOWER MOTOR PERFORMANCE - EXTERNAL STATIC PRESSURE (IN. Wg)
15- TON CAPACITY TO 20- TON CAPACITY

95150 15-TON SCAV												
EVAPORATOR BLOWER PERFORMANCE												
CFM	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
5500	690	1.93	765	2.22	839	2.54	908	2.86	972	3.19	1032	3.52
6000	729	2.41	796	2.70	865	3.03	931	3.37	994	3.73	1053	4.09
6500	769	2.95	830	3.26	893	3.60	956	3.96	1017	4.35	1075	4.74

CONDENSER BLOWER PERFORMANCE												
CFM	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
9000	641	2.52	728	3.04	807	1.64	879	4.14	947	4.70	1013	5.32
9500	666	2.90	749	3.42	826	4.00	896	4.58	963	5.20	1026	5.80
10000	691	3.30	771	3.72	846	4.46	914	5.06	979	5.70	1040	6.32

95200 20-TON SCAV												
EVAPORATOR BLOWER PERFORMANCE												
CFM	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
7500	855	4.32	905	4.66	958	5.01	1013	5.40	1068	5.81	1122	6.24
8000	900	5.16	945	5.50	993	5.85	1044	6.26	1096	6.68	1148	7.14
8500	946	6.11	986	6.43	1031	6.82	1078	7.23	1126	7.66	1175	8.12

95200 20-TON SCAV												
CONDENSER BLOWER PERFORMANCE												
CFM	.0 ESP		.3 ESP		.6 ESP		.9 ESP		1.2 ESP		1.5 ESP	
	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp	RPM	Bhp
9500	666	2.90	749	3.42	826	4.00	896	4.58	963	5.20	1026	5.80
10000	691	3.30	771	3.72	846	4.46	914	5.06	979	5.70	1040	6.32
10500	716	3.76	793	4.34	866	4.98	933	5.60	996	6.24	1058	6.92

*For operation in ranges where no figures are given
special design is required - Please consult factory

STANDARD MOTOR
FIRST OVERSIZE MOTOR
SECOND OVERSIZE MOTOR



COMMERCIAL AIR CONDITIONING SYSTEMS

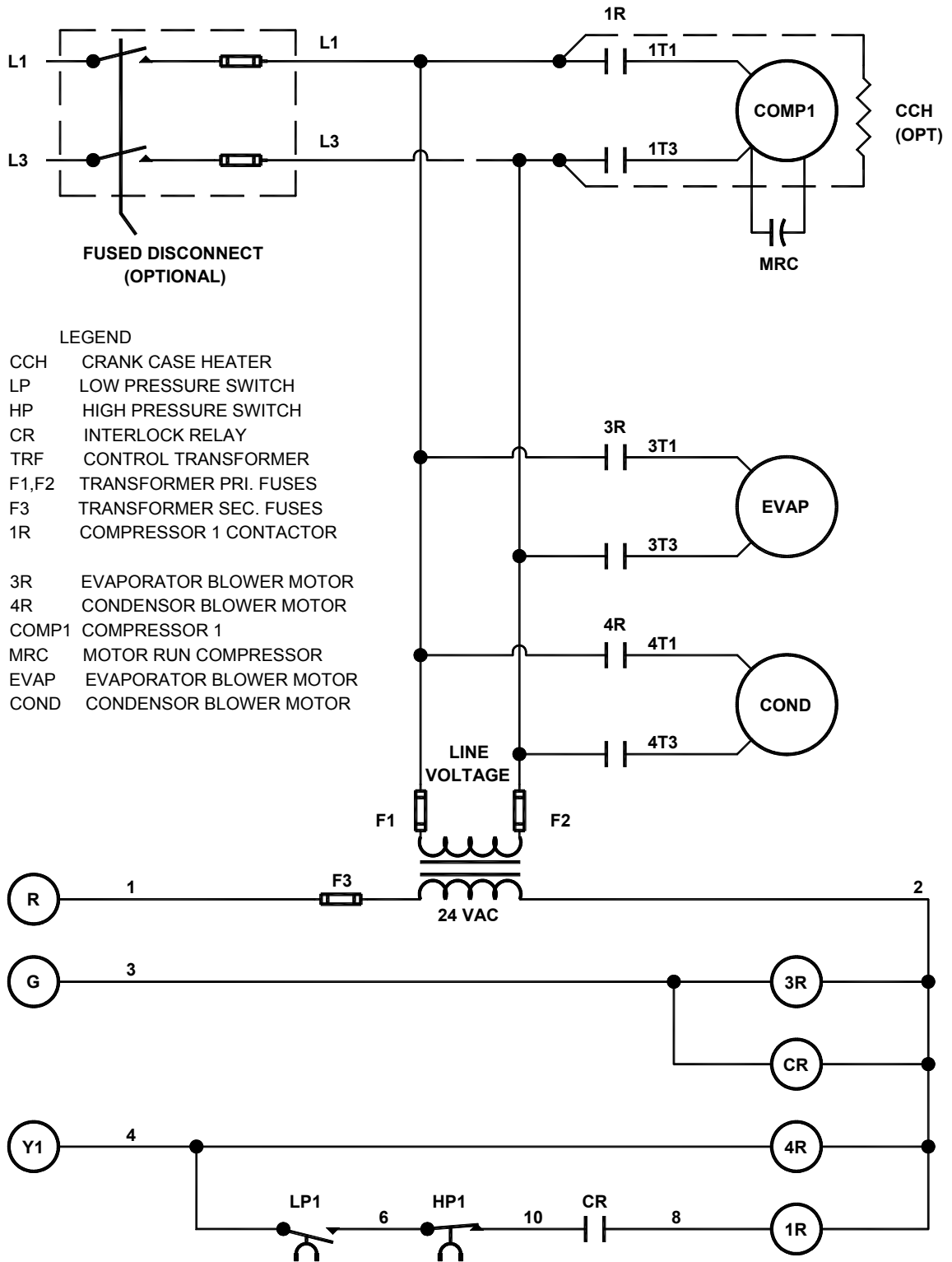
UNIT PERFORMANCE DATA
SCAV UNITS WITH INTEGRAL AIR-COOLED CONDENSERS

TONS	ENTERING EVAP AIR		AMBIENT CONDENSER AIR =°F							
	CFM	°F	85		95		105		115	
		WB	TC	SH	TC	SH	TC	SH	TC	SH
5 95050	1500	62	56	51	54	49	48	44	46	41
		67	67	42	59	41	53	36	50	34
		72	67	34	65	33	58	29	54	28
	2000	62	60	54	58	52	51	46	48	44
		67	65	44	62	43	55	38	52	36
		72	70	36	67	34	60	30	56	29
	2500	62	62	56	60	54	54	49	51	46
		67	67	46	64	44	56	39	53	37
		72	72	37	69	35	61	31	58	29
8 95080	2500	62	90	81	86	78	77	69	72	65
		67	98	67	94	65	84	57	79	54
		72	106	54	102	52	91	47	86	54
	3000	62	95	86	91	82	81	73	76	69
		67	103	71	99	68	87	60	82	56
		72	111	57	107	55	95	48	89	45
	3500	62	99	89	95	86	85	77	80	73
		67	106	73	110	56	97	50	84	58
		72	114	58	110	56	97	50	91	47
10 95100	3500	62	114	107	110	103	98	92	92	86
		67	124	91	120	88	107	78	100	73
		72	135	73	131	70	116	62	109	59
	4000	62	121	114	116	109	103	97	97	91
		67	131	96	126	92	111	82	105	77
		72	141	76	136	73	121	65	114	61
	4500	62	126	118	121	114	109	102	102	96
		67	135	99	120	95	114	84	107	79
		72	145	78	140	75	124	66	116	63
15 95150	5000	62	168	164	161	157	147	143	138	135
		67	182	136	174	130	159	118	149	111
		72	197	106	189	102	173	93	162	87
	6000	62	171	158	164	152	150	139	141	131
		67	184	180	177	173	161	157	152	148
		72	199	107	192	103	175	94	165	88
	7000	62	167	163	167	163	152	149	138	135
		67	187	139	179	134	163	122	149	111
		72	202	108	194	104	177	95	162	87
20 95200	6000	62	228	214	220	206	196	184	184	173
		67	249	182	239	176	213	156	201	147
		72	270	145	261	140	232	125	219	117
	7000	62	242	227	232	218	207	194	195	183
		67	262	192	251	184	223	163	209	153
		72	283	152	272	146	241	130	227	122
	8000	62	252	237	243	228	217	204	205	192
		67	269	197	259	190	228	167	215	157
		72	291	156	279	150	247	133	233	125

*NOTE: TC = GROSS COOLING CAPACITY, BTUH; SH = SENSIBLE HEAT, BTUH



WIRING DIAGRAM - 5 TON 1 PHASE



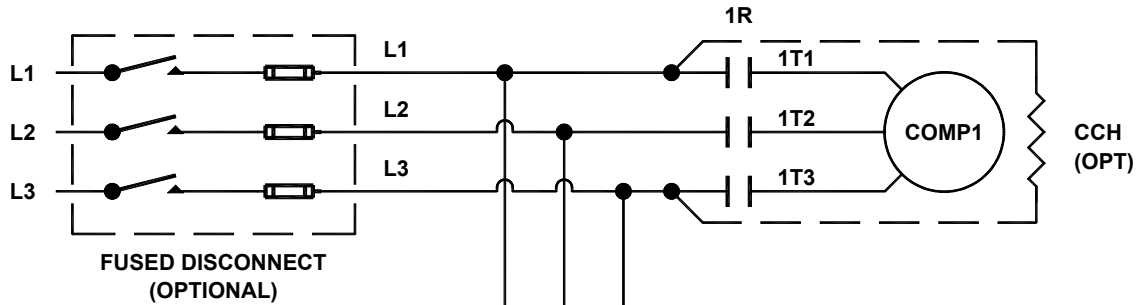
LEGEND

- CCH CRANK CASE HEATER
- LP LOW PRESSURE SWITCH
- HP HIGH PRESSURE SWITCH
- CR INTERLOCK RELAY
- TRF CONTROL TRANSFORMER
- F1,F2 TRANSFORMER PRI. FUSES
- F3 TRANSFORMER SEC. FUSES
- 1R COMPRESSOR 1 CONTACTOR

- 3R EVAPORATOR BLOWER MOTOR
- 4R CONDENSOR BLOWER MOTOR
- COMP1 COMPRESSOR 1
- MRC MOTOR RUN COMPRESSOR
- EVAP EVAPORATOR BLOWER MOTOR
- COND CONDENSOR BLOWER MOTOR

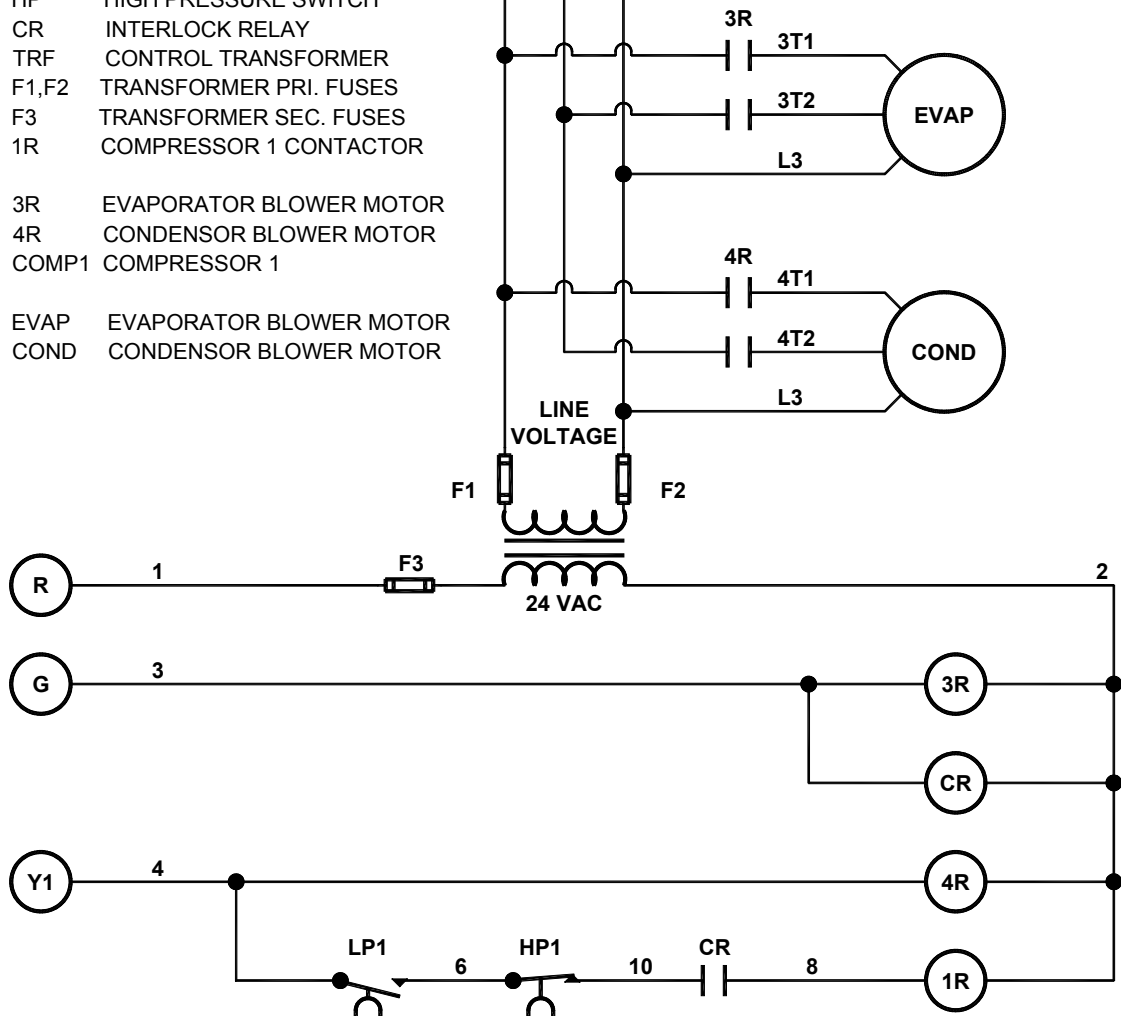


WIRING DIAGRAM - 5 TON 3 PHASE



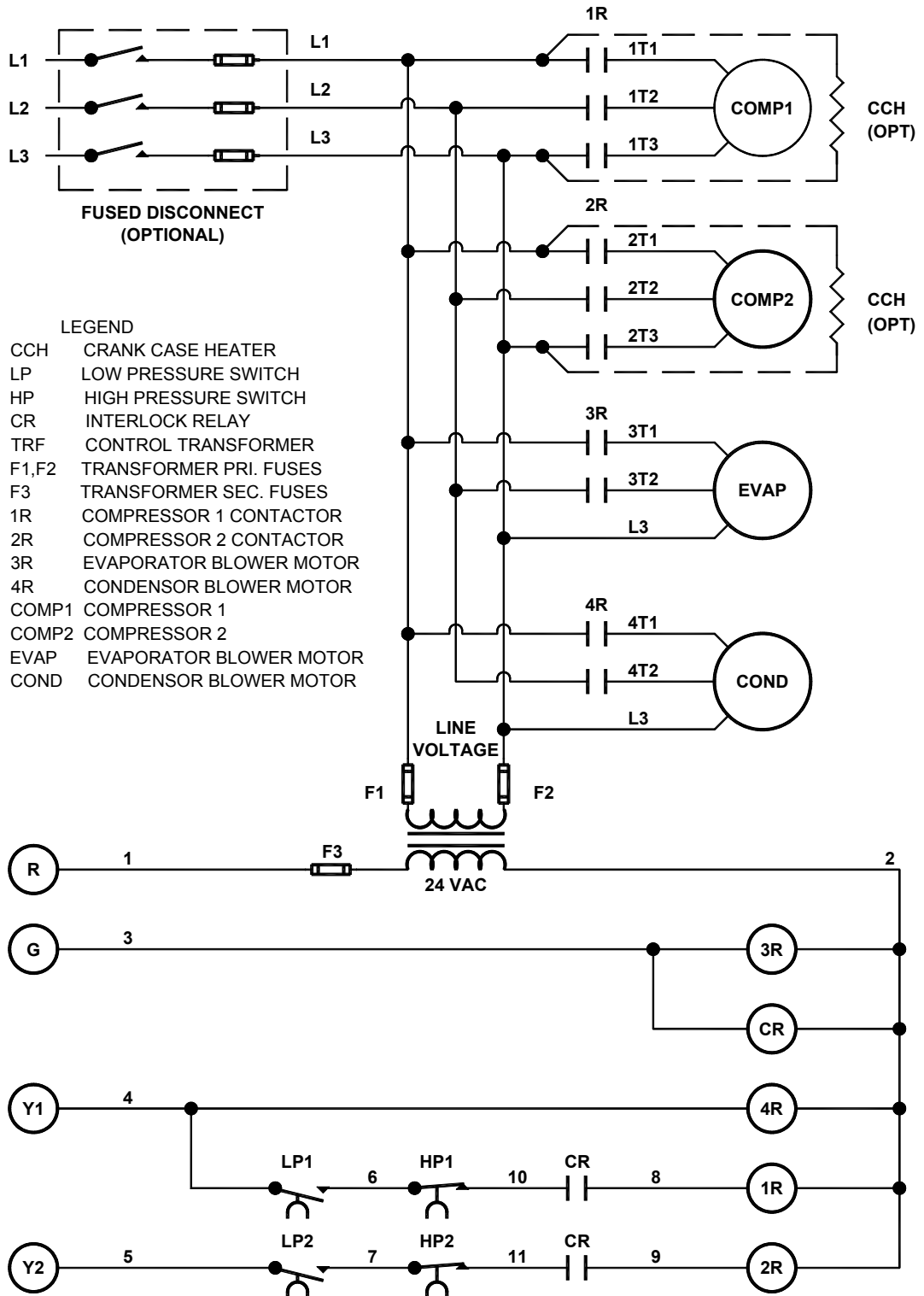
LEGEND

- CCH CRANK CASE HEATER
- LP LOW PRESSURE SWITCH
- HP HIGH PRESSURE SWITCH
- CR INTERLOCK RELAY
- TRF CONTROL TRANSFORMER
- F1,F2 TRANSFORMER PRI. FUSES
- F3 TRANSFORMER SEC. FUSES
- 1R COMPRESSOR 1 CONTACTOR
- 3R EVAPORATOR BLOWER MOTOR
- 4R CONDENSOR BLOWER MOTOR
- COMP1 COMPRESSOR 1
- EVAP EVAPORATOR BLOWER MOTOR
- COND CONDENSOR BLOWER MOTOR





WIRING DIAGRAM – 8 – 20 TON 3 PHASE





TYPHOON

COMMERCIAL AIR CONDITIONING SYSTEMS

Part 1 – General SYSTEM DESCRIPTION

Indoor mounted electric cooling unit utilizing twin scroll hermetic compressors for cooling duty*. Unit shall discharge supply air vertically or horizontally as shown on contract drawings. Condenser fan/coil section shall have a blow-through design for minimum sound levels.

QUALITY ASSURANCE

RSI A/C units are ETL listed to UL 1995/CSA C22.2 No. 236 Safety Standards by Intertek Testing Services and accepted for use in the City of New York by the Department of Buildings per MEA 79-96-E Vol II.

Insulation and adhesive shall meet UL 723, CAN/ULC-S102 and NFPA 90A requirements for flame spread and smoke generation.

Cabinet insulation shall meet ASHRAE standard 62P.

DELIVERY, STORAGE AND HANDLING

Unit shall be stored and handled per the original manufacturer's recommendations.

Part 2 – Products EQUIPMENT

General: Factory-Assembled, unitary cooling unit. Contained within the enclosure shall be all factory wiring, piping, controls, refrigerant charge (R-22) and special features required prior to field start-up.

Split units are evacuated and sealed (less refrigerant charge). Unit must be assembled and piping brazed, evacuated and charged with refrigerant.

Unit Cabinet:

Unit frame and cabinet shall be constructed of galvanized painted steel.

Unit frame is freestanding, allowing cabinet panels to be easily removed for servicing.

Evaporator fan compartment interior cabinet surfaces shall be insulated with a minimum ½ in. thick, flexible fiberglass insulation, coated on the airside.

Unit shall have a integral stainless steel condensate drain pan and a field-supplied condensate trap.

Fans:

The evaporator fan shall be a V-belt driven with an adjustable pitch motor pulley.

Condenser fan shall be V-belt driven with an adjustable pitch motor pulley.

Fan wheels shall be made from steel, be double inlet type with forward curved blades with corrosion resistant finish and be dynamically balanced.

Compressors*:

Fully hermetic scroll compressors with factory-installed vibration isolation.

Compressor Protection Device:

Compressors shall incorporate an automatic internal thermal overload protector.

Coils:

Evaporator and condenser coils shall have aluminum plate fins mechanically bonded to seamless copper tubes with all joints brazed with a minimum of 5% silver alloy.

Refrigerant Components:

Refrigerant Components shall be constructed of copper and brass materials designed and certified for refrigerant carrying service.

Air filter section shall consist of factory installed disposable pleated filter panels.

Controls and Safeties:

Unit Controls: Unit shall be complete with self-contained low voltage control circuit, operating at 24 Volts.

High and Low-Pressure Switches:

RSI shall provide high and low pressure safety protection for (cut-out/cutin) 350/250 PSI and 25/80 PSI respectively.

Operating Characteristics:

Unit shall be capable of starting and running a 125°F ambient outdoor temperature per maximum load criteria of ARI Standard 210.

Electrical Requirements:

All unit power wiring shall be copper and enter unit cabinet at a single location, as specified on the unit and by the installation manual.

Motors:

Compressor motors shall be of the refrigerant cooled type with line break thermal and current overload protection.

All fan motors shall be open drip proof, have permanently lubricated bearings. Motors up to 5 HP will have inherent automatic reset thermal overload protection. Motors 7.5 HP and larger will have contactor mounted overload relays.

OPTIONAL FEATURES

Low Ambient Package

Package shall consist of a solid-state time delay control and condenser coil hot air outlet damper, which shall allow unit to operate below 60°F outdoor ambient temperature.

Compressor Protection Device

Solid-State control shall protect compressors by preventing short cycling.

**NOTES: 5-ton unit has one circuit and one scroll compressor*



TYPHOON

COMMERCIAL AIR CONDITIONING SYSTEMS

STANDARD WARRANTY PROCEDURE

RSI Air Conditioning Units are warranted by the RSI Company for a period of (1) year from the date of purchase by the original purchaser to be free of defects in workmanship and materials. If the unit failed within this period, the Purchaser may arrange for local field service through an authorized RSI Product Service Representative or return parts freight pre-paid (with adequate packaging) insured for their value, to RSI Company, 12911 Taft Avenue, Cleveland, OH 44108, for repair or replacement, and credit determination. The purchaser must procure a return authorization number from the factory either direct or through a distributor and must provide the proof of purchase, date, and serial number. All available information concerning the field problem must be furnished to RSI Company with the return. Upon approval, RSI Company will ship replacement part via ground transportation. Charges incurred for alternate shipping arrangements will be assumed by the customer.

RSI Company will not assume liability for any back charges, labor, freight or postage required to replace defective parts without previous formal approval from the RSI Company. RSI Company does not warrant Air Conditioning Units if they have been disassembled, modified or used in a manner other than specified by the RSI Company. Parts broken due to accident, shipping damage, abuse, misuse or any parts that have

been tampered with or altered in any way are not covered by this warranty.

Internal components such as the refrigerant compressor, will carry the original manufacture's standard warranty for new installations. Extended compressor warranties may be purchased as an option. Except for expressly set forth herein, RSI Company makes no warranties, expressed or implied, including but not limited to, any warranty of merchantability or fitness for a particular purpose. RSI Company shall not be held liable or responsible for incidental or consequential damages resulting from the use or operation of Air Conditioning Units.

If the RSI Company determines these Air Conditioning Units or components have been repaired or returned for damages not covered by this limited warranty, the Purchaser will be advised of and bear the necessary repair charges before RSI Company will issue credit or proceed with the repair. **NOTE:** RSI Company/Manufacturer reserves the right to discontinue or change at any time, these published specifications and designs without notice or obligation. As RSI VPAC unit features are continually upgraded to satisfy contemporary market demands, RSI will not provide retroactive feature changes to units sold prior to the date these upgrades are implemented.

RSI Company

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ITS Intertek Testing Services