INSTALLATION INSTRUCTIONS

MODELS

18ECQ2	31ECQ2	42ECQ1
18ECS2	31ECS 2	42ECS1
24ECQ4	36ECQ5	48ECQ2
24ECS4	36ECS5	48ECS 2
30ECQ4	3 <i>7</i> ECQ1	60ECQ1
30ECS4	37ECS1	60ECS1

SPLIT AIR CONDITIONER OUTDOOR SECTION

FOR USE WITH:
MATCHING INDOOR BLOWER
COIL UNITS AND MATCHING
ADD ON COIL UNITS ONLY

APPLICATION AND INSTALLATION INSTRUCTIONS

CENERAL

These instructions explain the recommended method to install the pre-charged air cooled remote type condensing unit, the inter-connecting refrigerant tubing and the electrical wiring connections to the unit.

The condensing units are to be used in conjunction with the matching evaporator coil for comfort cooling applications as shown in the specification sheet.

These instructions and any instructions peckaged with any sequence equipment required to make up the entire air ditioning system should be carefully read before beginning in a installation. Note particularly "Starting Procedure" and any tegs and/or labels attached to the equipment.

While these instructions are intended as a general recommended guide, they do not supersede any national and/or local codes in any way. Authorities having jurisdiction should be consulted before the installation is made.

SHIPPING DAMAGE

Upon receipt of equipment, the carton should be checked for external signs of shipping damage. If damage is found, the receiving party must contact the last carrier immediately, praferably in writing, requesting inspection by the carrier's agent.

INSTALLATION

Size of unit for a proposed installation should be based on heat loss calculation made according to methods of National Warm Air Heeting and Air Conditioning Association. The air duct should be installed in accordance with the Standards of the National Fire Protection Association for the installation of Air Conditioning and Ventilating Systems of Other Then Residence Type, NFPA No. 90A, and Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B. Where local regulations are at a variance with instructions, installer should adhere to local codes.

LOCATION

The condensing unit (outdoor unit) must be located in an area having good air circulation and set where the not discharge air from the unit will not be recirculated into the condensing coil. Figure 1 illustrates the recommended clearances for unrestricted airflow and service access.

MOUNTING UNIT OUTSIDE ON SLAB

A solid level base or platform, capable to support the unit's weight, must be set at the outdoor unit predetermined location. The base should be at least two inches larger than the base dimensions of the unit and at least two inches higher then the surrounding grade level. The required unit minimum installed clearances must be maintained as called out in Figure 1 when locating and setting the base.

Remove the unit from its shipping carton and position the unit on the prepared base or platform.

Do not attach the unit or its base to the building structure to avoid the transmission of noise into the occupied area,

NOTE: These units employ internally sprung compressors; therefore, it is not necessary to remove or loosen the base mounting bolts on the compressor prior to operation.

Consideration should be given to the electrical and tubing connections when placing the unit to avoid unnecessary bends or length of materies.

WIRING

All wiring must be installed in accordance with the National Electrical Code and local codes. Power supply voltage must conform to the voltage shown on the unit serial plate. A wiring diagram of the unit is attached to the inside of the electrical cover. The power supply shell be sized and fused according to the specifications supplied. A ground lug is supplied in the control compartment for equipment ground.

The control circuit is a 24 volt circuit. "Typical" wiring diagrams illustrating some of the various circuits which could be encountered can be found later in the manual.

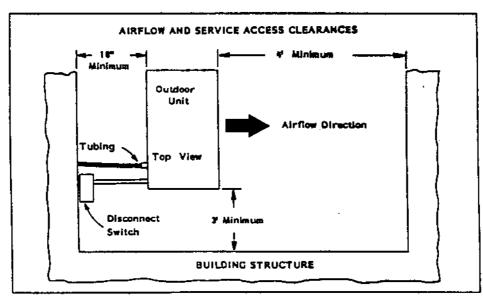


FIGURE 1.

The unit rating plate lists a "Maximum Time Delay Fuse" or "HACR Type" circuit breaker that is to be used with the equipment. The correct size must be used for proper circuit protection and also to assure that there will be no nuisance tripping due to the momentary high starting current of the compressor motor.

When matching with a B-model blower coil unit, refer to the installation instructions with that indoor unit for 24V wiring information.

PRESSURE SERVICE PORTS

High and low pressure service ports are installed on all units so that the system operating pressures can be observed. Pressure curves can be found later in the manual covering all models. It is imperative to match the correct pressure curve to the unit by model number.

The pressure service ports on the split system air conditioners are located on the inter-connecting tubing quick connect fittings or base valves.

CRANKCASE HEATERS

All units are provided with some form of compressor crankcese heat. Some single phase units utilize the compressor motor start winding in series with a portion of the run capacitor to generate heat within the compressor shell to prevent liquid refrigerant migration.

Some three phase units utilize a wraperound type of crankcase heater that warms the compressor oil from the outside.

Some single and three phase models have an insertion well-type heater located in the lower section of the compressor housing. This is a self-regulating type heater that draws only enough power to maintain the compressor at a safe temperature,

Some form of crankcase heat is essential to prevent liquid refrigerant from migrating to the compressor, causing oil pump out on compressor start-up and possible valve failure due to compressing a liquid.

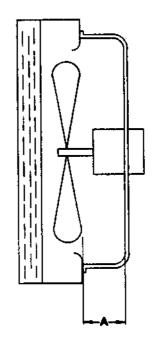
Refer to unit wiring diagram to find exact type of crankcase heater used.

The following decal is affixed to all outdoor units detailing start-up procedure. This is very important, Please read carefully,

FAN BLADE SETTING DIMENSIONS

Shown in the drawing below are the correct fan blade setting dimensions for proper air delivery across the outdoor coil.

Any service work requiring removal or adjustment in the fan and/or motor area will require that the dimensions below be checked and blade adjusted in or out on the motor shaft accordingly.



MODEL	DIM, A
All	1/2"

IMPORTANT INSTALLER NOTE:

For improved start-up performance, wash the indoor coil with a dishwasher detergent.

IMPORTANT

THESE PROCEDURES MUST BE FOLLOWED AT HITTAL START-UP AND AT ANY THIS POWER HAR REMOVED FOR 12 HOURS OR LONGER.

- TO PREVENT COMPRESSOR DAMAGE WHICH MAY RESULT FROM THE PRES-ENCE OF LIQUID REFRIGERANT IN THE COMPRESSOR CRANKCASE
- 1. MAKE CERTAIN THE ROOM THEMSO-STAT IS IN THE "OPF" POSITION, (THE COMPRESSOR IS NOT TO GRETATE),
- 2. APPLY POWER BY CLOSING THE SYS-TEM DISCONNECT SWITCH THIS ENER-GLES THE COMPRESSOR MEATER WHICH EVAPORATE THE LOUD RE FRIGERANT'S THE CRANICASE.
- 3. ALLOW 4 HOURS OR SO MINISTES PER POUND OF REPROBLANT IN THE SYS-TEM AS NOTED OR THE UNIT RATING PLATE WHICHEVER'S GREATER.
- 4 AFTER PROPERLY ELAPSED TIME THE THERMOSTAT MAY BE SET TO OPER-THE COMPRESSOR
- 5. EXCEPT AS REQUIRED FOR SAFETY WHILE SERVICING DO NOT OPEN SYSTEM DISCONNECT SWITCH.

7961-081

			ELECTRIC	AL DATA			
Model	Electrical Rating	Operating Voltage Range	Total Unit ① Amps	Minimum Circuit Ampacity	Maximum (2) Overcurrent Protection	60°C Copper Wire Size	Copper Ground Wire Size
18ECQ,52	230/208-60-1	197-253	11,6	15	20	#14	#14
29ECQ,S4	230/208-60-1	197-253	12, 1	15	25	#14	#14
30ECQ.54	230/208-60-1	197-253	16	22	35	#10	#10
31ECQ,S2	230/208-60-1	197-253	15	20	30	#12	#12
36ECQ,55	230/208-60-1	197-253	22	29	50	#10	#10
37ECQ,S1	230/206-60-1 230/208-60-3 460-60-3	197-253 187-253 419-506	19 13 7. 7	26 18 15	40 30 20	#10 #12 #14	#10 #12 #14
42ECQ,S1	230/208-60-1 230/208-60-3 460-60-3	197-253 187-253 414-506	24, 3 16, 8 9, 4	30 21 15	50 30 20	#10 #10 #14	#10 #10 #14
48ECQ,S 2	230/208-60-1 230/208-60-3 460-60-3	197-253 187-253 414-506	25, B 19, 3 11, 4	32 24 16	50 3\$ 25	#8 #10 #12	#10 #10 #12
60ECQ,S1	230/208-60-1 230/208-60-3 460-60-3	197-253 187-253 414-506	31. 8 22. 8 9. 2	39 28 15	60 45 15	#8 #10 #14	#10 #10 #14

If this unit is operated in cooling below a 65° outdoor ambient temperature, the installation of low ambient control (LAC-1) to unit is required.

REFRICERANT CHARGE

To obtain maximum rated capacity and efficiency, the system charge may have to be adjusted at installation to obtain a suction line temperature (6" from compressor) as shown in the following table.

Recommended Air Flow Range

Rated E.S.P. ②

Pressure Drop in H₂0

Rated CFM

Indoor Coil Model

Outdoor Unit

Model

18ECQ, 5 2

82

650 650 650 650

18QS3 2ACQ1 B18EHQ1 B24EHQ1

30

28

1035 1035 1050 800

3ACQ3 3HCQ1 B36EHQ1 B30EHQ1

30ECQ, 54

22

88

24QS1 2ACQ1 B24EHQ1 B18EHQ1

24ECQ.54

8 2

<u></u>

22 28

1050 1035 1000 800

3ACQ3 3HCQ1 B36EHQ1 B30EHQ1

31ECQ,52

55.0

COOLING)

1

RATED CFM AND AIRFLOW DATA (WET COIL

82°F 0.D. Temp.			63 - 65 58 - 60 58 - 60 67 - 69	61 - 63 57 - 59	60 - 62 63 - 65 63 - 65	111	59 - 61 53 - 55 63 - 65 55 - 57	62 - 64 52 - 54 66 - 68 60 - 62	59 - 61 58 - 60 63 - 65 58 - 60	are based upon temperature and during cooling
중 - ,	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	50 - 52 50 - 55 50 - 55 50 - 52 52 - 54 52 - 54	52 - 54 54 - 56 77 - 49 58 - 56	a 1	52 - 54 56 - 58 52 - 54	45 - 47 55 - 57 52 - 54	47 - 49 50 - 52 55 - 57 51 - 53	52 - 54 56 - 52 53 - 58 53 - 55	50 - 52 49 - 51 55 - 57 46 - 50	ne temperatures (bulb (50% R.H.) the evaporator
Indoor Unit	18053 2ACQ1 B18EHQ1 B24EHQ1	24QS1 2ACQ1 B24EHQ1 B18EHQ1 3ACQ3	830EHQ1 830EHQ 3ACQ3	В 36ЕНО 1 В 30ЕНО	3ACQ3 3HCQ1 B36EHQ1	3ACQ3 3HCQ1 B36EHQ1	MCQ2 MCQ1 MHCQ BCMM	#ACQ2 #ACQ1 #HCQ BC48A	SACQ1 SHCQ BC46A BC68A	above suction li dry bulb/67° wet airflow across
1 5 1	10ECQ , S2	24ECQ,S4	31ECQ, 52		36ECQ, 55	37ECQ, S1	42ECQ, S1	48ECQ,52	60ECQ,51	The abov 80°F dry rated all
		•						•		
540 - 660 575 - 705 585 - 715 585 - 715	780 - 960 780 - 960 720 - 880 730 - 880		940 - 1160 900 - 1150 900 - 1150 720 - 888	1060 - 1300 900 - 1100 1150 - 1400	1060 - 1300 900 - 1100 1080 - 1320	1300 - 1600 1910 - 1760 1350 - 1650	777	- ~	1590 - 1950 eturn.	f a

8

88

1180 1200 1200

3ACQ3 3HCQ1 B36EHQ1

37ECQ, S1

₽.

%中級

1450 1600 1500 1575

#ACQ2 #HCQ1 #HCQ1

42ECQ, 51

2

88

1180 1000 1275

3ACQ3 3HCQ1 B36EHQ1

36ECQ, 55

Measured across the evaporator coil assembly, including drain pan.

38

1990 1650 1625 1600

SACQ1 SHCQ BC4EA BC6EA

60ECQ, 51

8

828

1690 1800 1606 1725

#ACQ2 5ACQ1 #HCQ BC#EA

48ECQ.52

88

External static pressure available for the duct system—supply and return. All blower coil models have multi-speed motors, and value shown is at recommended speed. Consult specification airflow charts for complete information as to other speeds available. 90

Rated external static pressure on low speed.

(m)

TABLE 1

INSTALLING REFRIGERANT TUBING

(PRE-CHARGED - Applicable to "Q" Models)

PRE-CHARGED TUBING - Examine carefully the two lengths of pre-charged tubing furnished with the unit. The larger is the suction line. The smaller is the liquid line. The end of the tubing with the hex nut and gauge port is to be attached to the condensing unit.

Unroll the tubing, being careful not to kink, and install it between the condensing unit and the evaporator coil.

CAUTION: Be careful not to tear the insulation when pushing it—through holes in masonry or frame walls.

When sealing tube opening in house wall use a soft material to prevent tube damage and vibration transmission.

Before fastening either and, use a tubing bander to make any necessary bands in the tubing. AVOID EXCESSIVE BENDING IN ANY ONE PLACE TO AVOID KINKING.

Start connecting the tubing at the evaporator coil end, first remove the protective caps and plugs from the quick-connect fittings on the evaporator coil and the pre-charged tubing. Inspect fittings and clain if necessary, making sure they are clear of foreign materials. If you clean the fittings, lubricate them with refrigeration oil. Connect both tubes to the fittings on the coil and draw up by hand.

When necessary to bend the insulated tube, suction line, cut the insulation around its circumference at a distance far enough beyond the point of the bend so as to clear the tubing bender.

Slip the insulation back together and vapor seal the joint with tape.

NOTE: The maximum distance for pre-charge tubing between the condenser and the evaporator is 45 feet.

CAUTION: Prior to connecting the pre-charged tubing to the evaporator coil or condensing unit, be sure all bends have been made, then coil any excess tubing in a horizontal plane, with the slope of the tubing toward the condensing unit.

CAUTION: Be sure to hold the coupling firmly to prevent movement of the coupling and tubing. Failure to do so could tear out the diaphragm causing a blockage of the system.

CAUTION: After starting to tighten up the fitting never try to back it off or take it spart.

For connecting the tubing at the condensing unit end, first remove the protective caps and plugs from the quick-connect fittings on the condensing unit and the pre-charged tubing. Inspect fittings and clean if necessary, making sure they are clear of foreign materials. If you clean the fittings, lubricate them with refrigeration oil. Connect both tubes to the fittings on the coil and draw up by hand.

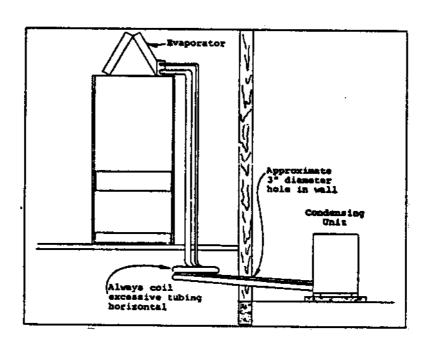
Locate the gauge port in a 45° angle from a vertical up position so as to be accessible for gauge connections.

Use a wrench on the hex nut of the female fitting backing up the fitting with another wrench to keep tube from turning. Tighten the fittings together until they bottom out then tighten for an additional 1/9 turn so that coupling will sest properly.

Check the gauge port cap to make sure it is tight. If loose, tighten, being careful not to tighten too much as it will damage the valve in the gauge port.

Leak test all connections using an Electronic Leak Detector or a Halide Torch.

When tubing is installed in attics or drop cailing, insulate the quick connect fitting on the larger tube thoroughly with 3/8" walf thickness, closed call sponge tube insulation or equivalent. Failure to insulate will result in water damage to ceiling since the fitting will "sweet" and drop water on the ceiling.



INSTALLER NOTE: Stamp or mark the Total System Charge on the outdoor unit serial plate. See TOTAL SYSTEM CHARGE Table, Part No. 7960-002 located on inside of outdoor unit access panel.

INSTALLING REFRIGERANT TUBING

(Applicable to "S" models)

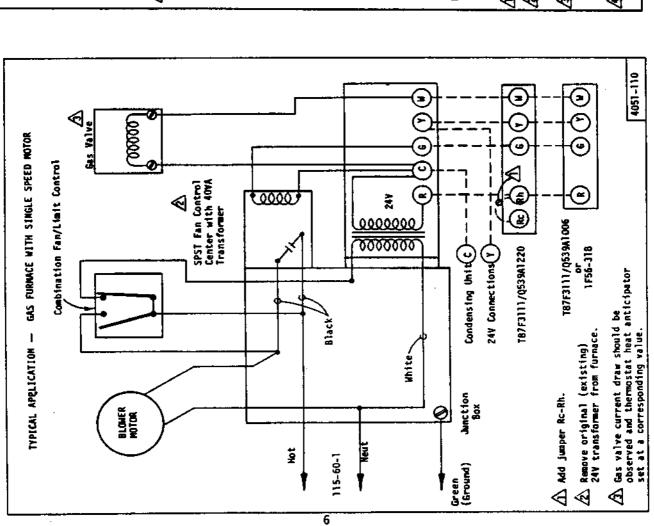
Use only refrigeration grade (dehydrated and sealed) copper tubing of the size indicated below. Care must be taken to insure that the tubing is kept clean and dry before and during installation. DO NOT remove the plugs from the tubing ends, coil connections or base valves until the connection is ready to be made.

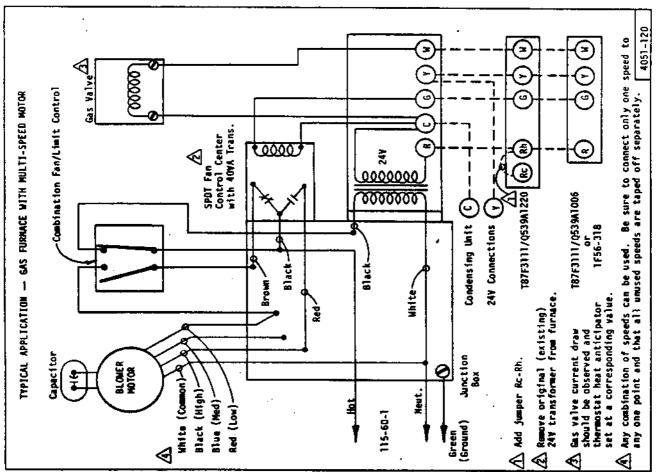
Insulate the suction line with a minimum of 3/8" Armaflex or equivalent. Install the insulation to the suction line before cutting and making connections.

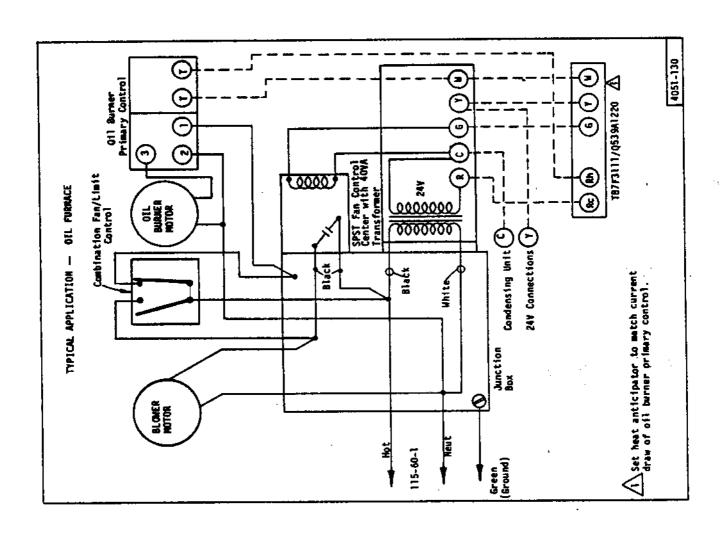
When connecting to an indoor coil which has quick connect fittings, a CTO-A or CTO-12A stub kit is required. See chart on Total System Operating Charge, part number 7960-054, located on inside of outdoor unit access panel. Total system charge should be stamped or marked on the outdoor unit serial plate.

Basic Condensing Unit Model 18 or 24ECS 30ECS 36ECS 42ECS	REFRIGERANT LINE LENGTH (Ft.)												
	0-20	21-60	61-100										
	Liq. & Suct.	Liq. & Suct.	Liq. & Suct.										
18 or 24ECS	3/8 € 5/8	3/8 € 5/8	3/8 & 3/4										
30ECS	3/8 & 5/8	3/8 & 3/4	3/8 & 3/4										
36ECS	3/8 & 5/8	3/8 & 3/4	1/2 ε 7/8										
42ECS	3/8 & 3/4	3/8 & 7/8	1/2 δ 7/8										
48ECS	3/8 & 7/8	3/8 & 7/8	1/2 & 1-1/8										
60ECS	3/8 & 7/8	3/8 & 7/8	1/2 & 1-1/8										

NOTE: The outdoor unit on the "S" models has the full operating charge for the most frequently used combination of outdoor to indoor section. First, discharge the small holding charge in the indoor coil, then connect the tubing to the indoor coil and to the base valves of the outdoor unit. Leak test and evacuate the coil and tubing before opening the base valves. After operating the system, check and adjust the R-22 charge as shown under "Refrigerant Charge", Table 2, on page 3.







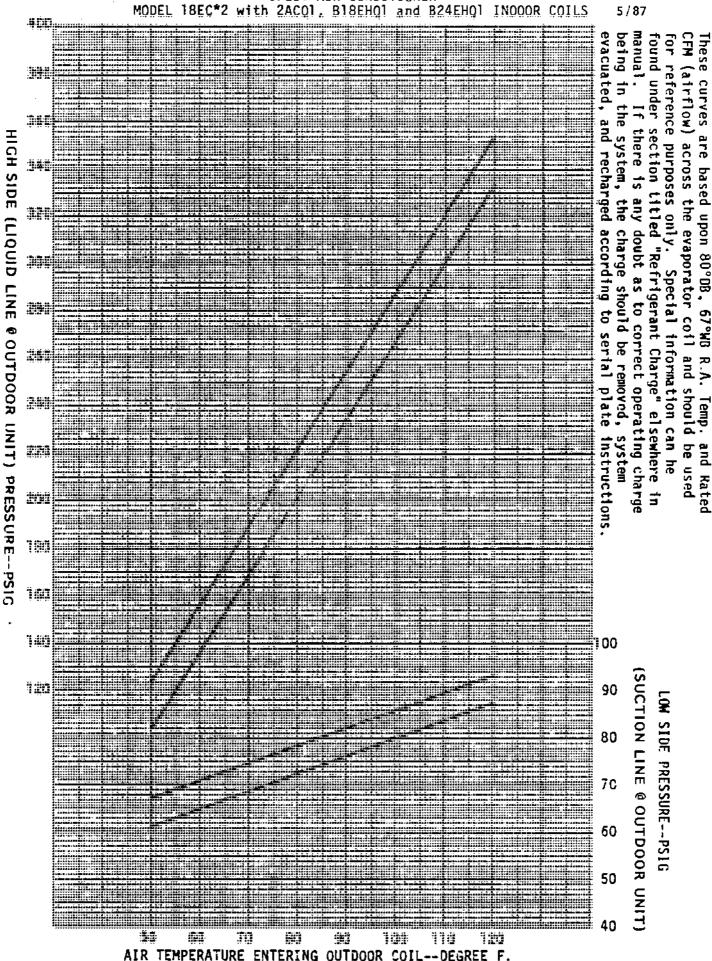
PARTS LIST SPLIT SYSTEM CONDENSING UNITS

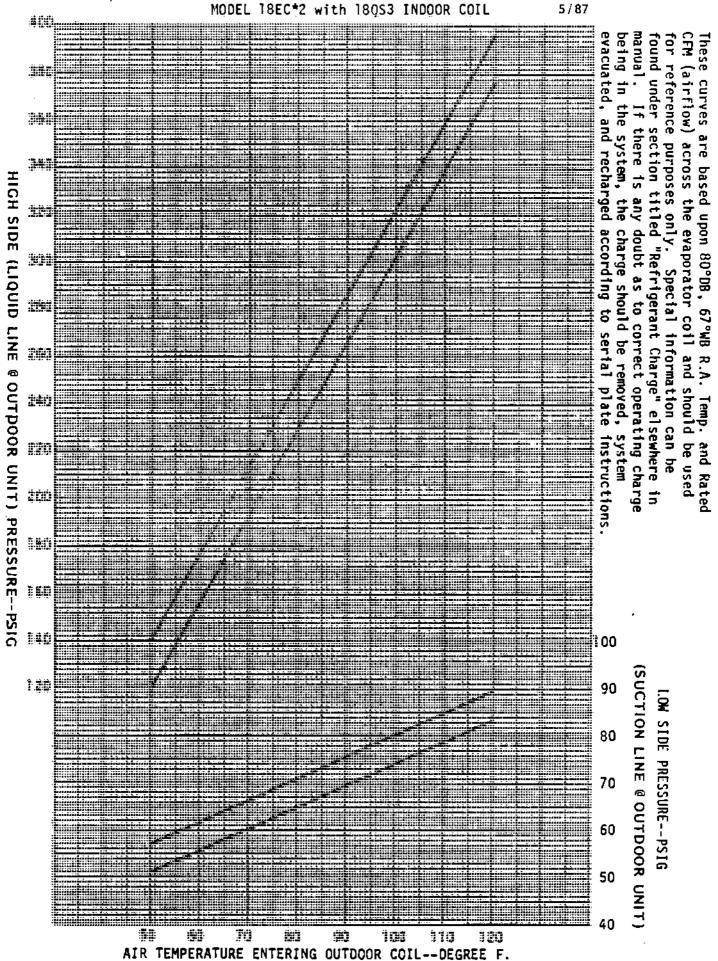
Part No.			,			,			_						_				
8552-097 (apacitor 15/10-370V x x x x x x x x x x x x x x x x x x x	-		~	-₹	=	7	2	<u></u>	<u></u>		<u></u>	7	8	_	8	ပ	U	ပ	lo
8552-097 (apacitor 15/10-370V x x x x x x x x x x x x x x x x x x x	1		ΙŃ	S,	Νĺ	S,	Ν	S,	1-1	S,	I	S	2-	5	-	ļ	Į,	7	15
8552-097 (apacitor 15/10-370V x x x x x x x x x x x x x x x x x x x	1		ΙŖ	g	Ö	ΙŅΙ	Ø	g	Ö	Ö	Ø	Ö	Ö	O	g	9 2		i o∵	<u> </u>
8552-097 (apacitor 15/10-370V x x x x x x x x x x x x x x x x x x x	Part No.	Description	17	l 🕍	l 🔛	Ш	Ы	Ы	Ы	Ы	Ш,	Ш	EC	EC	E C	E E	얼마		ي 4 از آن
8552-097 (apacitor 15/10-370V x x x x x x x x x x x x x x x x x x x	1 4 1 1 1 1	, <u> </u>	18	74	8	31	36	37	37	42	42	48	48	9	3	37	 	∰ `	909
## ## ## ## ## ## ## ## ## ## ## ## ##			+		 		-	-				-	_	\vdash	_	-	-	├	┼
## ## ## ## ## ## ## ## ## ## ## ## ##			ļ ×		•						[1			ļ	ļ
## ## ## ## ## ## ## ## ## ## ## ## ##		•	1	×	×	}				İ								ĺ	
## ## ## ## ## ## ## ## ## ## ## ## ##			[X			×								ļ	
### ### ##############################	8552-036		Г									X							
8552-002 Capacitor 5/370V	8552-031	Capacitor 45/440V	1		ŀ	i		×			l			x		1		1	1
8552-002 Capacitor 5/370V	8552-026	Capacitor 15/370V	j							×	×	x.	×	×	×	ļ	×	×	l x
8000-071 Compressor AB223HT	8552-002	Capacitor 5/370V	×	×	×	×	×	×	×							×			
8000-080	8000-061	Compressor RES 3-0175-PFV	×														j	1	}
8000-070	8000-071	Compressor AB225HT		x												[l	i	1
8000-070	8000-080			<u> </u>	×										·		1		f
8000-072 Compressor AV144ET	8000-070			;				, ,									ł		ł
S000-059			1				x											1	ł
8000-059			\vdash			H		×											
S000-063			1					^	¥							1		!	į į
8000-064 Compressor CRK3-0325-TF5		Compressor CRK3-0325-PFV	1		'	[^	Y						l		1	}
S000-067			 	-	-						 		\vdash			 -	 		
8000-030		1	1	i							^	ا پا				1			Ì
8000-027 Compressor AG122ET			ł	į l								^	∣↓∣			1			
8000-051 Compressor CRJ3-0300-TFD				├	H				_										ļ. ·
8000-060 Compressor CRJ3-0300-TFD			[.				ľ	li						^ [
S000-065	1		[!										l	j	×		!		ĺ
8000-047 Compressor AG111UT	L		<u> </u>	<u> </u>	ļ			Щ		Щ			\blacksquare			<u> </u>			
8000-048 Compressor AG122UT										1		- 1	L				×		j
So51-011	1				1						l		[×	
So51-013 Condenser Coil		1_ /															Щ		.
So51-034 Condenser Coil	1	1 .	×				İ										1		ĺ
So51-035 Condenser Coil Condenser Coil Condenser Coil So51-024 Condenser Coil So51-020 Condenser Coil Su01-020 Condenser Coil Su01-020 Condenser Coil Su01-002 Condenser Coil Su01-002 Contactor - Comp. 30A Su01-002 Contactor - Comp. 25A Su01-004 Contactor - Comp. 25A Su01-007			×								1					1			
S051-009 Condenser Coil					×		X		Щ										ļ
S051-024 Condenser Coil		1			ŀ			X	X			i				×			ĺ
Solition										×	×	×	×		1		×	×	
8401-003 Contactor - Comp. 30A														X	×		į		×
8401-002 Contactor - Comp. 25A X <td< td=""><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>						X													
8401-016 Contactor - Comp. 35A X <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>×</td><td></td><td></td><td>×</td><td></td><td>×</td><td></td><td></td><td></td><td></td><td></td><td></td><td>ĺ</td></td<>							×			×		×							ĺ
8401-007 Contactor - Comp. 25A x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x							i		x		×		×		×	×	×	x	×
5151-001 Fan Blade TF1839 x	8401-016	Contactor - Comp. 35A												×					
5151-007 Fan Blade TP2029 X X X X X X X X X X X X X X X X X X X	8401-007	Contactor - Comp. 25A	x	×	×	x.				1	1	- 1	'						
5151-017 Fan Blade FA2430-48 x x x x x x x x x x x x x x x x x x x x x x			×	x		_ 1		<u> </u>		_ 1	_ 1	_ 1	_ 1	_ [<u></u>	L I		
5151-017 Fan Blade FA2430-48 X	5151-007	Fan Blade TP2029			×	×	x	x	×			\neg	- 1			×	[]		
8103-008 Motor - Fan 1/5 hp x x x x x x x x x x x x x x x x x x x x x	5151-017	Fan Blade FA2430-48								×	х	×	×	×	×		l x l	x l	×
8103-009 Motor - Fan 1/5 hp x x x x x x x x x x x x x x x x x x x			×	x							1		l				(I		
8105-021 Motor - Fan 1/3 hp x x x x x x x x x x x x x x x x x x x					X	×	×	x	×				 						
8200-001 Motor Mount - Fan x x x x x x x x x x x x x x x x x x x										_x	١x	١x	ایرا	×	x		l x l	أير	×
8200-004 Motor Mount - Fan 8607-002 Terminal Block 230V 8407-003 Transformer - Stepdown 7051-010 Wire Grille - Inlet x x x x x x x 7051-009 Condenser Grille x x x x x x x x x x x x x x x x x x x			x	¥	×	ایرا	×	×	ايرا	¨	- 1	[]			'	x	^		1
8607-002 Terminal Block 230V , , x		1		\vdash				 ^	┝╌┤	- 	┰┨	┰	¥	Ţ	Ÿ		┱┪	Ţ	¥
8407-003 Transformer - Stepdown x x x 7051-010 Wire Grille - Inlet x x x 7051-009 Condenser Grille x x x x x x x 7051-003 Wire Grille - Inlet x x x x x x x 7051-001 Condenser Grille x x x x x x x x x x x x x x x x x x x	1									^	<u> </u>	^	^	^	^	¥	^	^	^
7051-010 Wire Grille - Inlet			-					;			٠, ا				1	^	,	v l	v
7051-009 Condenser Grille X			-∵	₩				$\vdash\vdash$		┝╼╌╂					-		 ^ 		<u> </u>
7051-003 Wire Grille - Inlet x x x x x x x x x x x x x x 7051-001 Condenser Grille x x x x x x x x x x x x x x x x x x x x x x x x x x	L										ŀ				l			ł	
7051-001 Condenser Grille	1		^	^		l . l	Ų.	J			[I	. .]	
7051-004 Wire Grille - Inlet X X X X X X X X X X X X X X X X X X X					-	_				 	 		 }				┝┈┤		-
7051-005 Condenser Grille	h				*	×	X	X	*	,					<u>.</u>]	X			
	•	h .															1		
8103-014 Motor - Fan 1/5 hp						-			Ц.	Ľ	<u>~</u>	<u> </u>	×	×	×		⊢× i	_ X _	_ <u>×</u> _
	8103-014	Motor - Fan 1/5 hp													J	X			

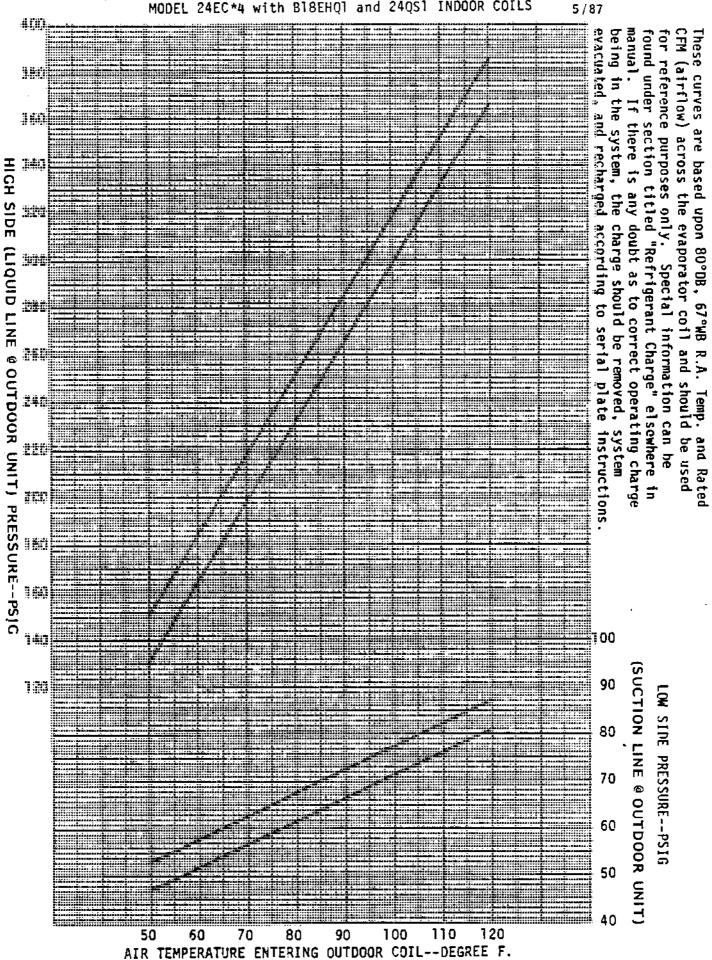
PARTS LIST SPLIT SYSTEM CONDENSING UNITS

Part No.	Description	18ECQ, S2	24ECQ,S4	30ECQ, S4	31ECQ, S2	36ECQ, S5	37ECQ, S1	37ECQ1-8	42ECQ, S1	42ECQ1-8	48ECQ,52	48ECQ2-B	60ECQ, 51	60ECQ1-B	37ECQ1-C	42ECQ1-C 460v	48ECQ2-C	60ECQ1-C
	Capacitor 35/370	1			×													
8000-099 4021-110	Compressor H23B283ABC Wiring Diagram	l _×	×	1	×]	
4025-120	Wiring Diagram	1^	^	1					×		×	}	×	1		1		j
4025-210	Wiring Diagram	1	Ι					_		×		×		×			<u> </u>	
4025-310			Į		1			ł			Ì					×	×	×
	Wiring Diagram		<u>L_</u>	×	<u> </u>		:			<u> </u>	<u> </u>			<u> </u>				<u> </u>
4062-111		T			×	×	×			1		Ι "				•		
4062-210	Wiring Diagram		ł		1 ,			×	•		1	1	1	1	1	l		t
4062-310		<u> </u>	Ĺ	l					<u> </u>		<u>L</u> .		L	<u> </u>	×	<u>L.</u>	L	L
5651-051		×	×	×	×	×	X		×	1	×		×				Γ	
5651-052	Base Valve *	×	×	1	ĺ	l		1	l	1		1	}		1	1		ĺ
5651-053	Base Valve*			×	×] ×]	x	l	1		l	1	1					1
5651-054	Base Valve *	上	1		<u>L</u>		L.	1	×		×	1	l ×	1	1		1	Į

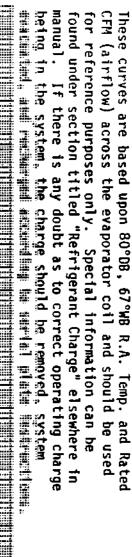
^{*}Used only on "S" versions.





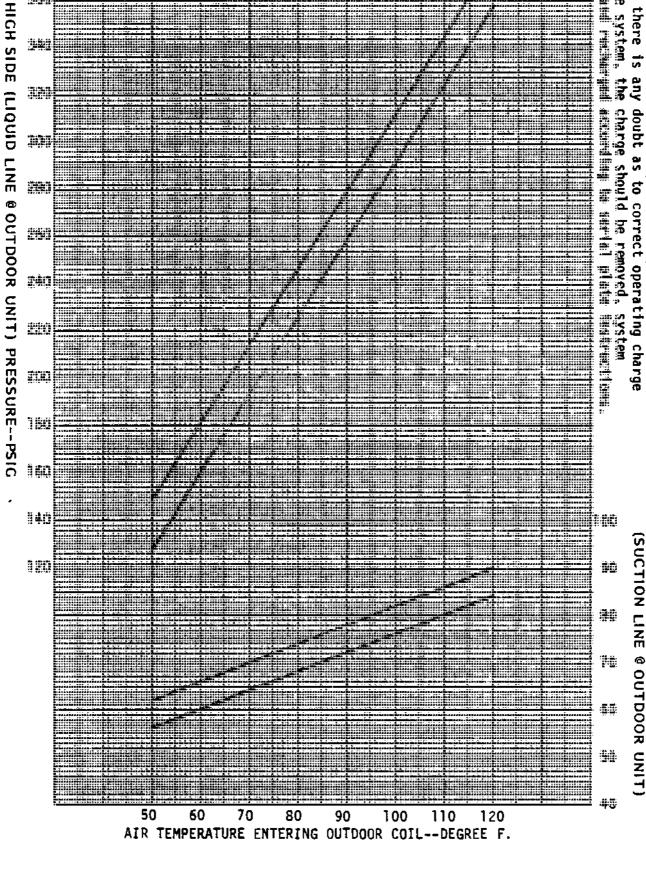


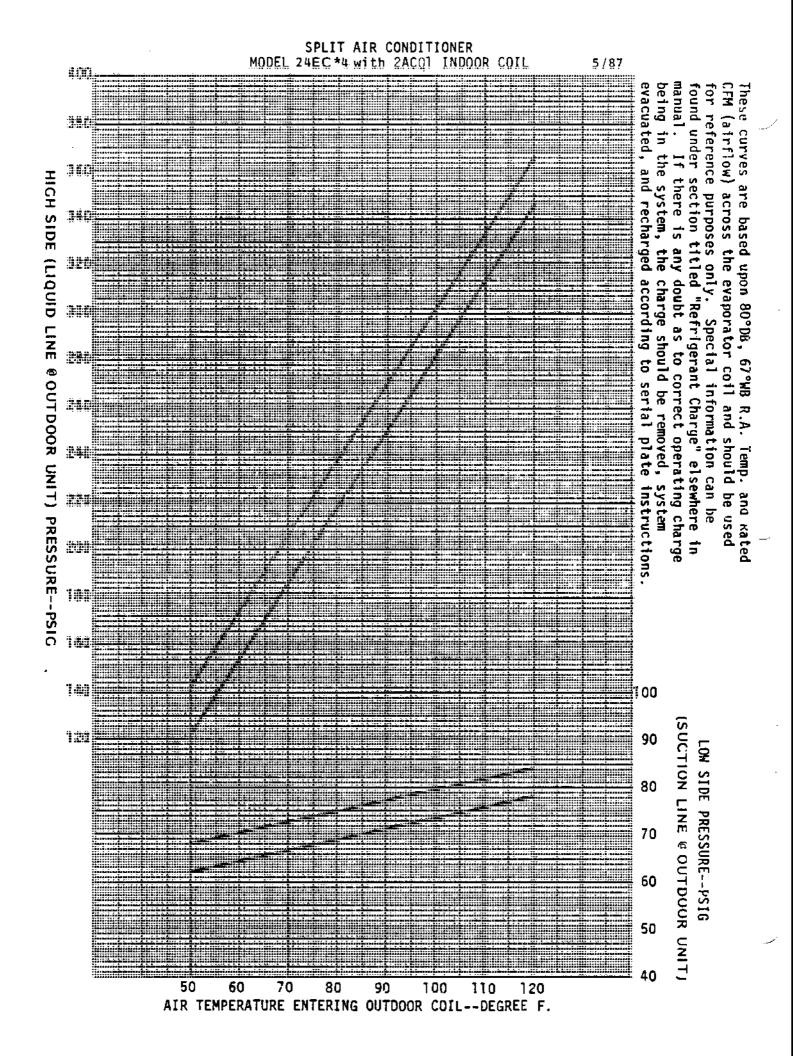


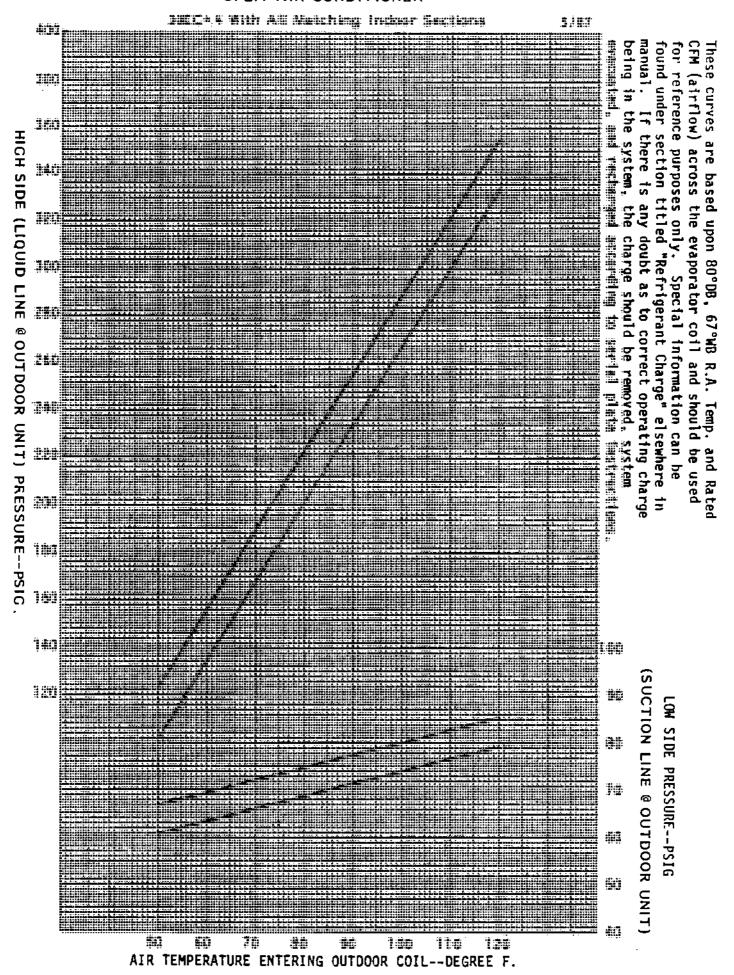


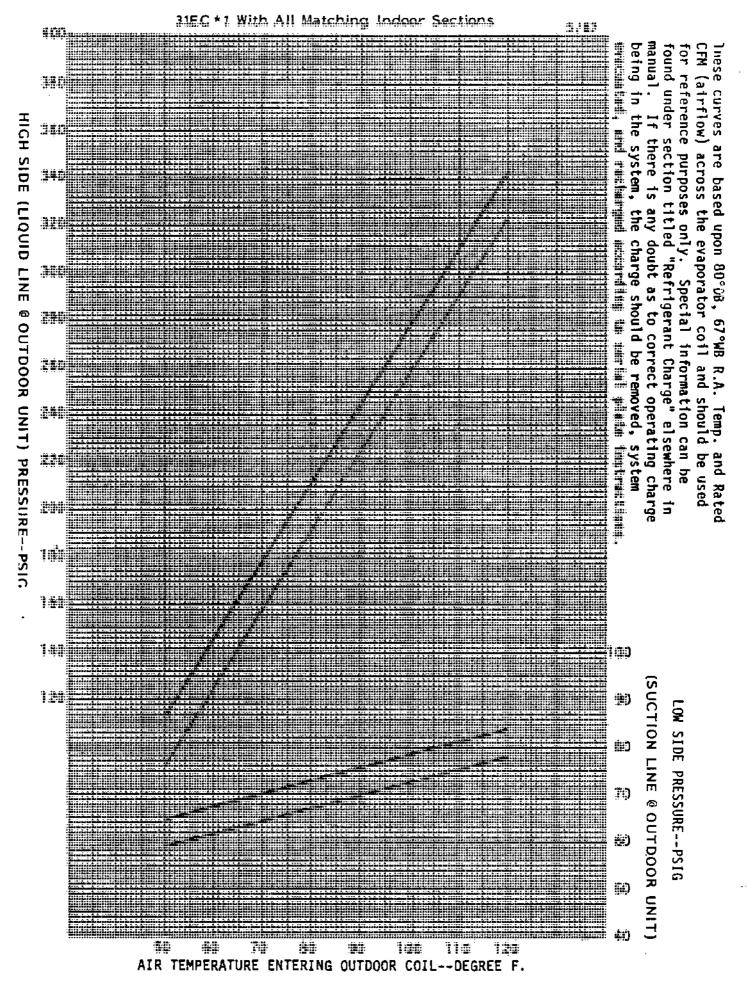
LOW SIDE PRESSURE -- PSIG

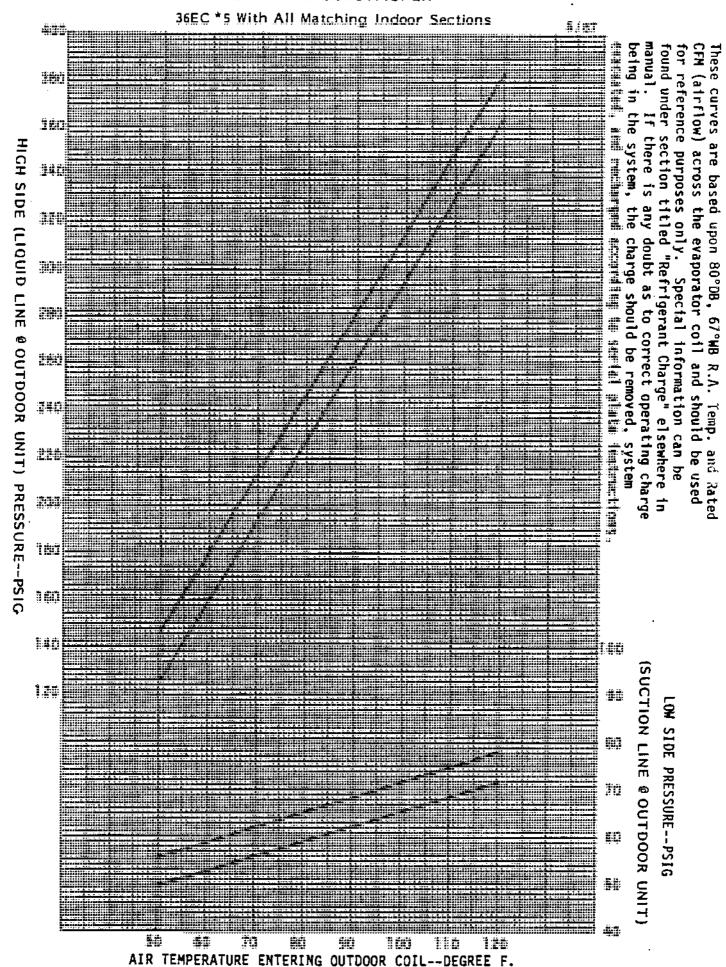
5/87



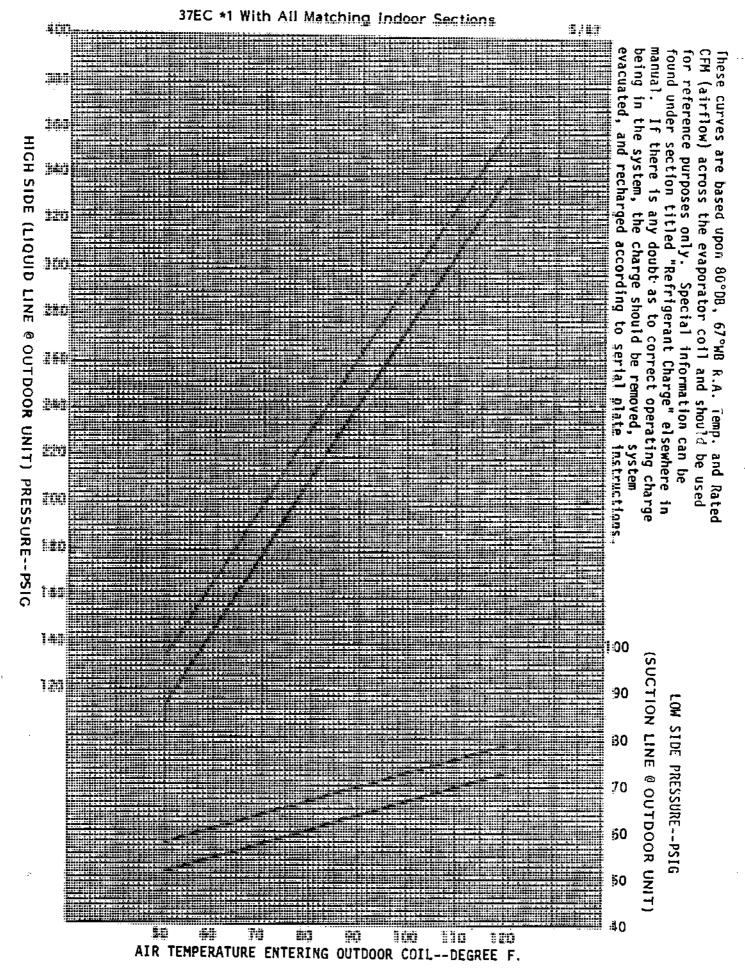








ńε



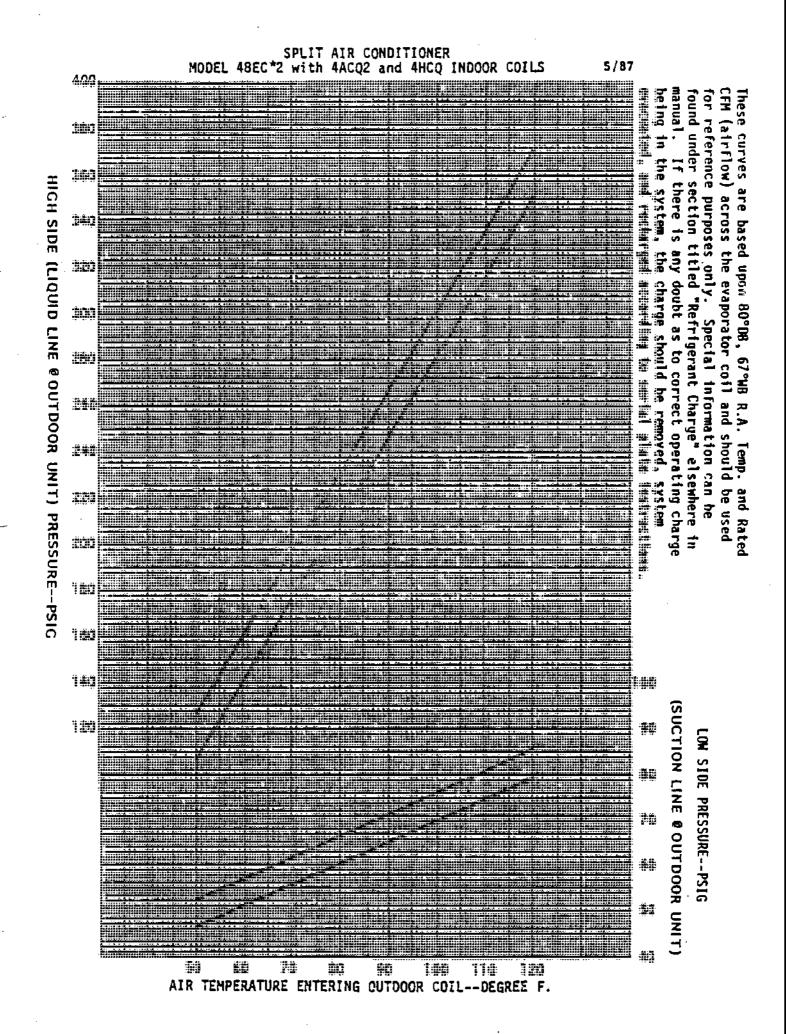
AIR TEMPERATURE ENTERING OUTDOOR COIL--DEGREE F.

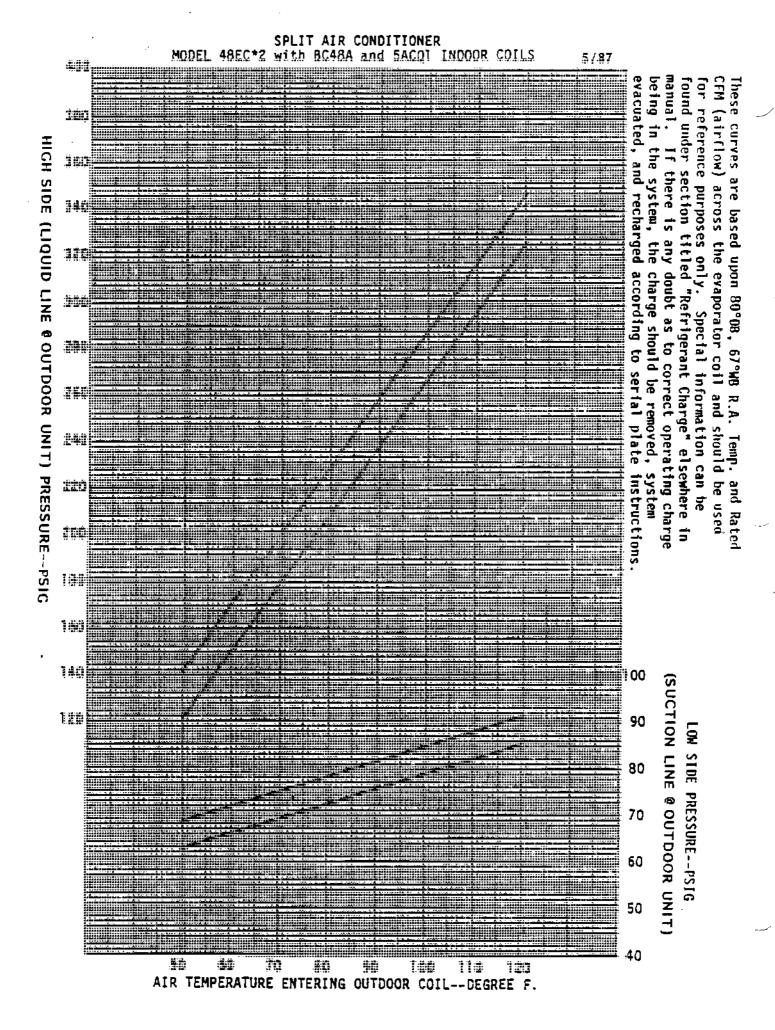
ĦÜ

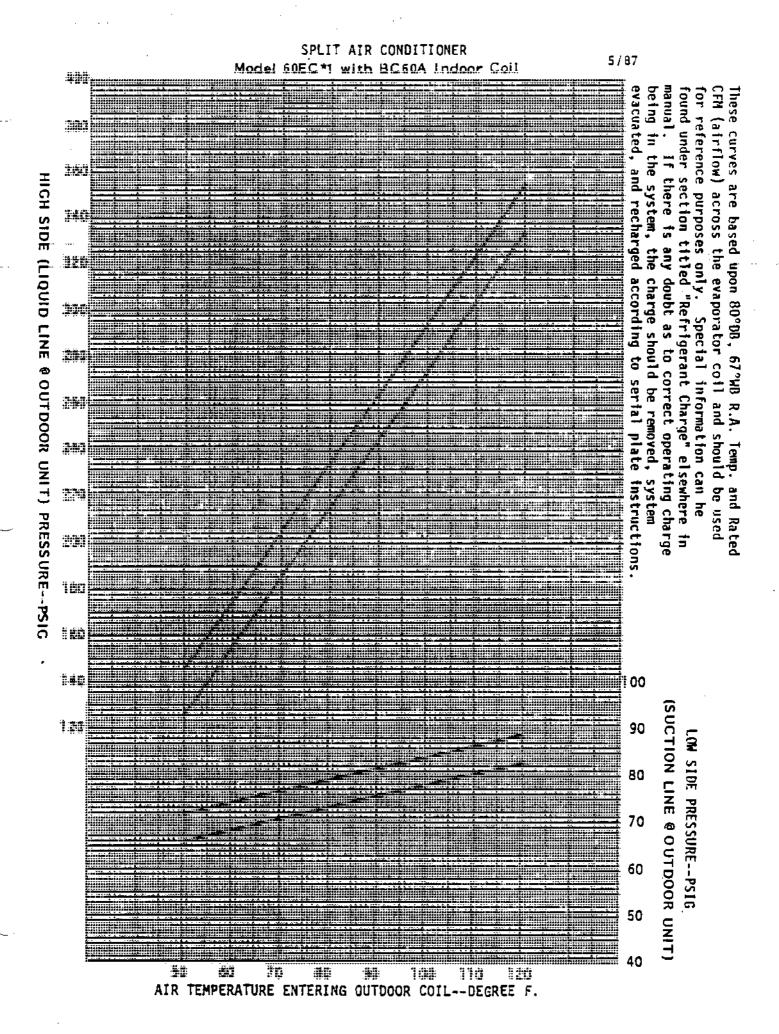
100

120

110







and Rated be used

ã

