INSTALLATION INSTRUCTIONS

MODELS

18ECQ2, 24ECQ4, 30ECQ4, 31ECQ1, 36ECQ5, 37ECQ1, 42ECQ1, 48ECQ2, 60ECQ1

SPLIT AIR CONDITIONER
OUTDOOR SECTION

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

		_
		_

APPLICATION AND INSTALLATION INSTRUCTIONS

GENERAL

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

The condensing units are to be used in conjunction with the matching pre-charged evaporator coils or pre-charged evaporator blower units for comfort cooling applications as shown in the specification sheet.

These instructions and any instructions packaged with any separate equipment required to make up the entire air conditioning system should be carefully read before beginning the installation. Note particularly "Connecting Quick-Connect Couplings, Starting Procedure" and any tags 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, preferably 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 Heating 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 Than 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 hot 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 than the surrounding grade level. The required unit minimum installed clearances must be maintained as called out in Figure I 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 material.

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 shall 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.

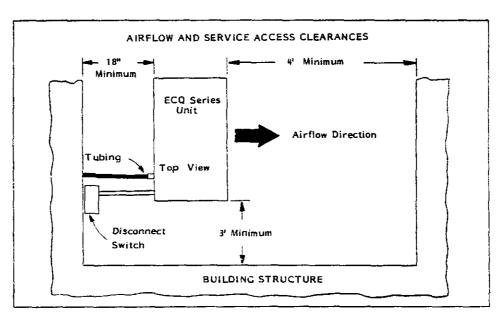


FIGURE 1.

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.

CRANKCASE HEATERS

All units are provided with some form of compressor crankcase 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 wraparound 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.

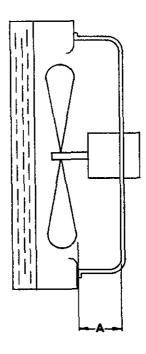
Refer to unit wiring diagram to find exact type of crankcase heater used.

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 settin 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 shaf accordingly.



MODEL	DIM. A
AII	1/2 ^H

IMPORTANT INSTALLER NOTE:

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

IMPORTANT

THESE PROCEDURES MUST BE FOLLOWED AT INITIAL START-UP AND AT ANY TIME POWER HAS BEEN REMOVED FOR 12 HOURS OR LONGER.

TO PREVENT COMPRESSOR DAMAGE WHICH MAY RESULT FROM THE PRES-ENCE OF LIQUID REFRIGERANT IN THE COMPRESSOR CRANKCASE

- MAKE CERTAIN THE ROOM THERMO-STAT IS IN THE "OFF" POSITION. (THE COMPRESSOR IS NOT TO OPERATE).
- 2. APPLY POWER BY CLOSING THE SYS-TEM DISCONNECT SWITCH THIS ENER-GIZES THE COMPRESSOR HEATER WHICH EVAPORATES THE JOUIL RE-FRIGERANT IN THE CRANKCASE,
- J. ALLOW 4 HOURS OR 80 MINUTES PER POUND OF REFRIGERANT IN THE SYS-TEM AS NOTED ON THE UNIT RATING PLATE WHICHEVER IS GREATER.
- 4. AFTER PROPERLY ELAPSED TIME THE THERMOSTAT MAY BE SET TO OPER-THE COMPRESSOR.
- THE COMPRESSOR.

 5. EXCEPT AS REQUIRED FOR SAFETY WHILE SERVICING DO NOT OPEN SYSTEM DISCONNECT SWITCH.

7061.081

			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
18ECQ2	230/208-60-1	197-253	11.6	15	20	#14	#14
24ECQ4	230/208-60-1	197-253	12.1	15	25	#14	#14
30ECQ4	230/208-60-1	197-253	16	22	35	#10	#10
31ECQ1	230/208-60-1	197-253	15	20	35	#12	#12
36ECQ5	230/208-60-1	197-253	22	29	50	#10	#10
37ECQ1	230/208-60-1 230/208-60-3 460-60-3	197-253 187-253 414-506	19 13 7.7	26 18 15	40 30 20	#10 #12 #14	#10 #12 #14
4ZECQ1	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
48ECQ2	230/208-60-1 230/208-60-3 460-60-3	197-253 187-253 414-506	25.8 19.3 11.4	32 24 16	50 35 25	#8 #10 #12	#10 #10 #12
60ECQ1	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

(1) Compressor and outdoor motor.

② Time Delay Fuse or HACR Type Circuit Breaker.

REFRIGERANT 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

Rated CFM

Indoor Coil Model

Outdoor Unit Model 1 NECQ 2

e 2.

600 640 650 650

18QS3 2ACQ1 B18EHQ1 B24EHQ1

COOL.ING)

RATED CFM AND AIRFLOW DATA (WET COIL

8,8

960 960 800 880

1 ! 1

780

22

30

870 870 800 800

24QS1 2ACQ1 B24EHQ1 B18EHQ1

24ECQ4

Г		1			
	Outdoor	'n	Indoor	99	•
	Unit		Cart Cart	O.D. Temp.	O.D. Temp.
	18EC0.2	7	18053	55 - 57	79 - 59
	-		2ACQ1	1	1
			B18EHQ1	,	63 - 65
			В 24ЕНО !	58 - 60	62 - 64
	24ECO 4	-7	24051	50 - 52	1
			2ACQ1	1	1
	· -		B24EHQ1	50 - 52	ı
			BIBEHOI	50 - 52	85 - 58
	MECOR	-	34003	ия - 50	60 - 62
	7		3HC01	1	ι
			B 36EHQ1	1	1
	<u> </u>		Взоено	54 ~ 56	28 ~ 60
	316.01	Ι_	3ACQ3	48 - 50	٠.
		_	3HCQ1	r	t
			B 36EHQ1	50 - 52	61 - 63
	<u></u>		B 30EHQ	8t - 9t	1
	36ECQ5	2	3ACQ3	1	ı
_			3ICQ1	t	:
			B 36EHQ 1	52 - 54	63 - 65
	3/EC01	_	3AC03	45 - 47	55 - 57
			3HCQ1	55 - 57	-
			B 36EHQ1	52 - 54	63 - 65
	42EC01	_	#AC02	t7 - 49	19 - 65
	-		5ACQ1	t	-
			#HCQ	55 - 57	63 - 65
_			BC48A	51 - 53	55 - 57
·	48ECQ2	7	4ACQ2	52 - 54	. 62 – 64
			5ACQ1	ı	ı
			FECQ.	ı.	ı
			BC4BA	53 - 55	90 - 62
	60ECQ1	_	5ACQ1	ı	:
			SHCQ	,	1
			BC40A	55 ~ 57	ı
			BC60A	48 ~ 50	28 - 60
	The	,	e suction	nperatures	are based upon
	H008		dry bulb/67° wet	bulb (50% R.H.)	temperature and
	Cycle			5	
٦					

20

30

1180 1000 1200

3ACQ3 3JJCQ1 B36EHQ1

30 = 30

1450 1600 1500 1575

#ACQ2 SACQ1 #HCQ BC#8A

42ECQ1

9

- 1860 - 1980 - 1760 - 1760 - 1900

1520 1620 1440 1550

8.28

1690 1800 1600 1725

4ACQ2 SACQ1 4HCQ BC48A

4BECQ2

30

#.

30

1180 1000 1275

3ACQ3 3HCQ1 836EHQ1

36ECQ5

0

30

1050 1000 1000 800

3ACQ3 3HCQ1 B36EHQ1 B30EHQ1

JIECQ 1

25 22

1150 1155 880

1 1

Θ

30

1100 1035 1050 800

3ACQ3 3HCQ1 B36EHQ1 B30EHQ

30ECQ4

200

990 900 945 720

Measured across the evaporator coil assembly, including drain pan.

= 1815 - 1796 - 1950

1790 1485 1460 1590

. 30

. 28

1990 1650 1625 1800

SACQ1 SHCQ BC48A BC60A

60ECQ1

- 2190

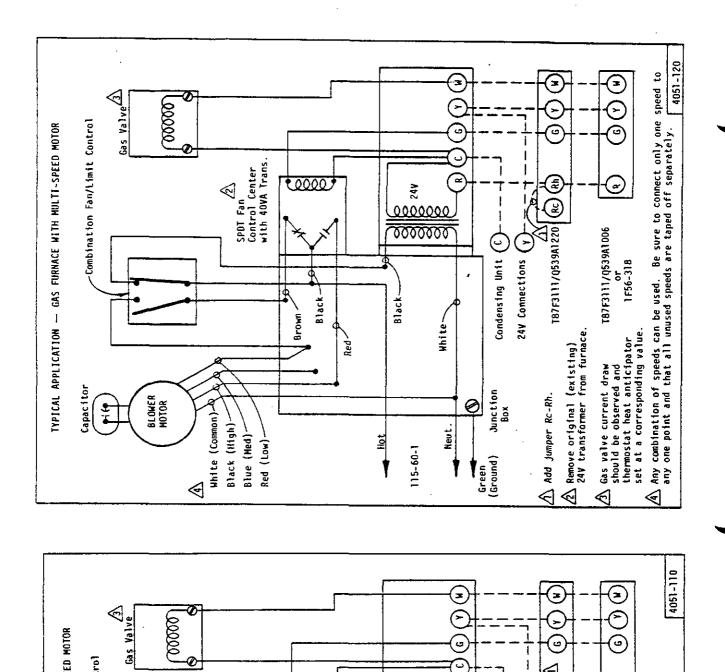
External static pressure available for the duct system—supply and return. All blower coil models have multi-speed motors, and value shown is at recommended speed. Consult specification airflow charts for complete \odot

information as to other speeds available.

Rated external static pressure on low speed.

(m)

37ECQ1



۶

G

~

White.

247

0000000

000000

(F

T87F3111/Q539A1220

Condensing Unit(C) 24V Connections(Y)

Junction Box

Green (Ground)

0

િ

E

187F3111/Q539A1006

1556-318

Remove original (existing) 24% transformer from furnace.

Add Jumper Rc-Rh.

 \triangleleft \triangleleft Gas valve current draw should be observed and thermostat heat anticipator set at a corresponding value.

 \triangleleft

115-60-1

Neut

Black,

돧

GAS FURNACE WITH SINGLE SPEED MOTOR

TYPICAL APPLICATION -

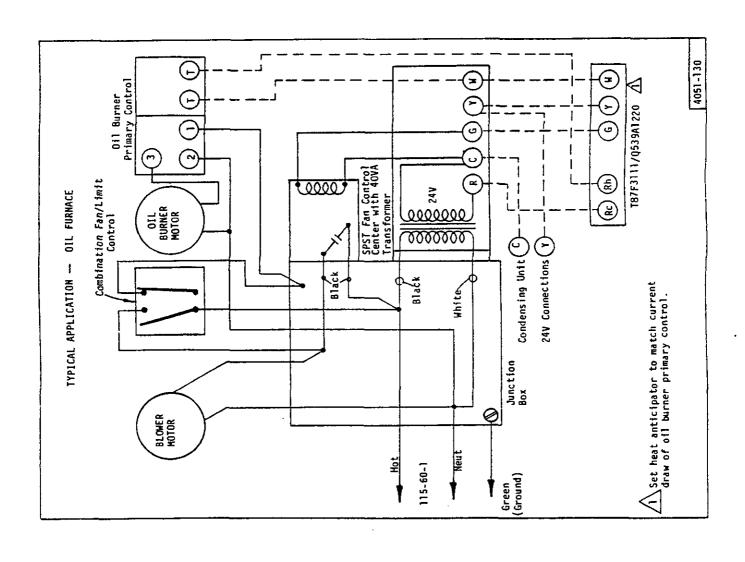
BLOWER MOTOR

Combination Fan/Limit Control

SPST Fan Control Center with 40VA

Transformer

0000



INSTALLING REFRIGERANT TUBING

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 nex 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 fastering either end, use a tubing bender to make any necessary bends 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 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.

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 tabe.

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

CAUTION: Prior to connecting the pre-charged tubing to the evaporator coil or condensing unit. De sure all bends have been made, then coil any excess tubing in a norizontal 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 apart.

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.

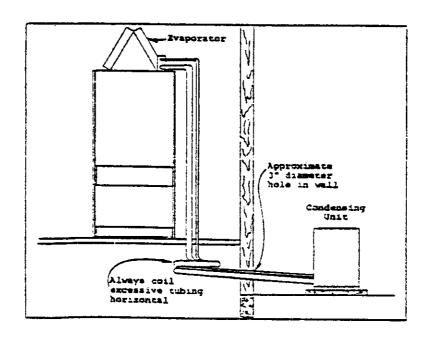
Locate the gauge port in a 45° angle from a vertical up position so as to be accessible for gauge connections.

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 1/4 turn so that coupling will seet 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 ceiling, insulate the quick connect fitting on the larger tube thoroughly with 3/8" wall thickness, closed cell sponge tupe insulation or equivalent. Failure to insulate will result in water damage to ceiling since the fitting will "sweat" and drop water on the cailing.



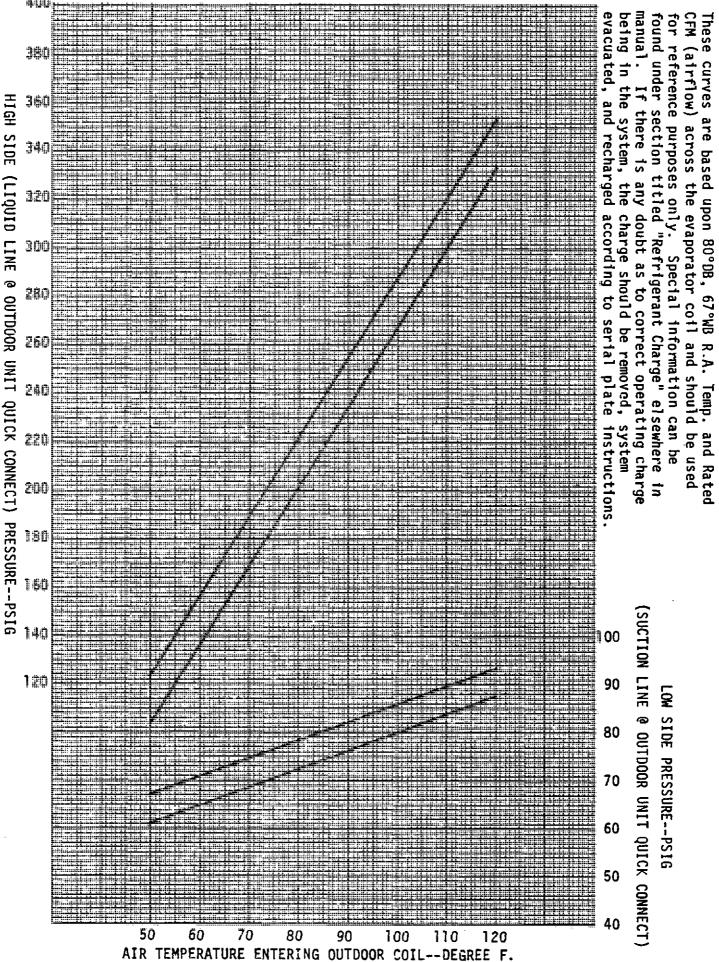
				,				,		 -		_		,			. `	7.00	
	Part No.	Description	18ECQ2	24ECQ4	30ECQ4	31ECQ1	36ECQ5	37ECQ1	37ECQ1-B	42ECQ1	42ECQ 1-B	48ECQ2	48ECQ2-B	60ECQ1	60ECQ1-B	37ECQ1-C	42ECQ1-C	48ECQ2-C	60ECQ1-C 460v
Í	0552 044	Ci 15/10 270V	i		 		<u> </u>									 -	 	1	<u> </u>
	8552-044	Capacitor 15/10-370V	×														ŀ	ł	
	8552-007	•		X	×	X												1	
ł	8552-030	Capacitor 40/440V	ļ		 		X			X					<u> </u>	<u> </u>		├ ─	
	8552-036	Capacitor 70/370V			•							X						1	
	8552-031	Capacitor 45/440V			i			X						Х		}		. '	
-	8552-026	Capacitor 15/370V	_		ļ					×	×	×	×	×	×	<u> </u>	×	×	×
	8552-002		X	X	×	X	X	×	X							×		1	
İ	8000-061	Compressor RES3-0175-PFV	×															1	
ł	8000-071 8000-080	Compressor AB225HT	ļ	×								<u> </u>	<u> </u>		<u> </u>		├	-	$\vdash \vdash \vdash$
-	8000-080	Compressor AB233FT Compressor AB233HT			×											}	1		
- 1	8000-070 8000-072	Compressor AB233H1 Compressor AV144ET]	X			}									1	
ł							×						_		<u> </u>	<u> </u>	<u> </u>		\vdash
	8000-084							×	_		i						Į	1	
	8000-059	Compressor CRJ3-0300-TF5							×		Ì I			. '	1		1		
į	8000-063	Compressor CRK3-0325-PFV	ļ	L				ļ	 	X	\vdash	-				}	 		[
- [8000-064	• •									×				ł	ĺ	[
١	8000-067	Compressor AC111BT										×					1	1	
ļ	8000-030	Compressor AG111RT			 								×		 		<u> </u>	 	
	8000-027	Compressor AG122ET						•						×		1	ļ	ĺ	
	8000-031	Compressor AG122RT													×		İ		
-	8000-060	Compressor CRJ3-0300-TFD			ļ			 	ļ	_		<u> </u>	_	L	<u> </u>	×		ļ	
j	8000-065	Compressor CRK3-0325-TFD														1	×	ł	
ŧ	8000-047	Compressor AG111UT			1			i									ì	×	
	8000-048	Compressor AG122UT						L	<u> </u>							ļ			X
- (5051-011	Condenser Coil	X														l		
-	5051-013	Condenser Coil		×			١						1				ł		
I	5051-034	Condenser Coil			х		X			\sqcup						<u> </u>			
	5051- 035						ļ	×	×							×			
١	5051-009	L .					1		[×	×	X	×			İ	×	×	
I	5051-024						ļ		 		_			X	X	<u> </u>			Х
ı	5051-020	Condenser Coil			i	X		Ì		. !						i		1	
۱	8401-003	Contactor - Comp. 30A					×			×		X						1	
ļ	8401-002	Contactor - Comp. 25A			ļ		ļ	ļ!	X	ļ ļ	X		х		×	<u> </u>	X	×	X
1	8401-016						1		ļ					Х		i			
ļ	8401-007	1	X	×	×	X	1												
ļ	5151-001	Fan Blade TF1839	x	X		ļ .	ļ					<u> </u>	<u> </u>	<u></u>	ļ	<u> </u>	<u> </u>		<u> </u>
-	5151-007				×	×	×	×	×							×			
	5151-017	Fan Blade FA2430-4B			;		[×	×	X	×	X	×	Ì	×	×	×
ļ	8103-008	Motor - Fan 1/5 hp	X	X]				[į	l .		
ı		Motor - Fan 1/5 hp			×	×	×	l ×	×								.	٠, ا	
		Motor - Fan 1/3 hp								×	X	×	×	×	×		×	х	X
ļ		Motor Mount - Fan	X	X	×	×	ļ×	X	×	: :					[,_	×			
		Motor Mount - Fan Terminal Block 230V								×	X	×	×	×	×	J	×	×	X
-	8607-002 8407-003	Transformer - Stepdown					[j								×	,	×	X
ļ	7051-010	Wire Grille - Inlet	×	X		<u> </u>	<u> </u>	<u> </u>	<u> </u>	니			 			<u>.</u>	X		
-	7051-010	Condenser Grille	X	×]		
1	7051-009	Wire Grille - Inlet	^	^	x	x	×	l 🗸	×					1		×	1		
1	7051-003	Condenser Grille		<u>-</u>	x	X		-	×						<u> </u>	x			Ī
•	7051-001	Wire Grille - Inlet			^	^	1 ^	^	1^	×	x	×	×	×	×		×	×	×
	7051-004	Condenser Grille								x	x					1	x	×	×
ļ		<u> </u>			 [[[<u></u> 	┟≏╎			1	 ^	-	i	1-		<u> </u>
1	8103-014	Motor - Fan 1/5 hp		<u> </u>	<u> </u>	<u> </u>	<u>L</u> .	<u> </u>	<u>!</u>	ليا		<u> </u>	1	<u> </u>	1	×	<u> </u>	<u> </u>	<u> </u>

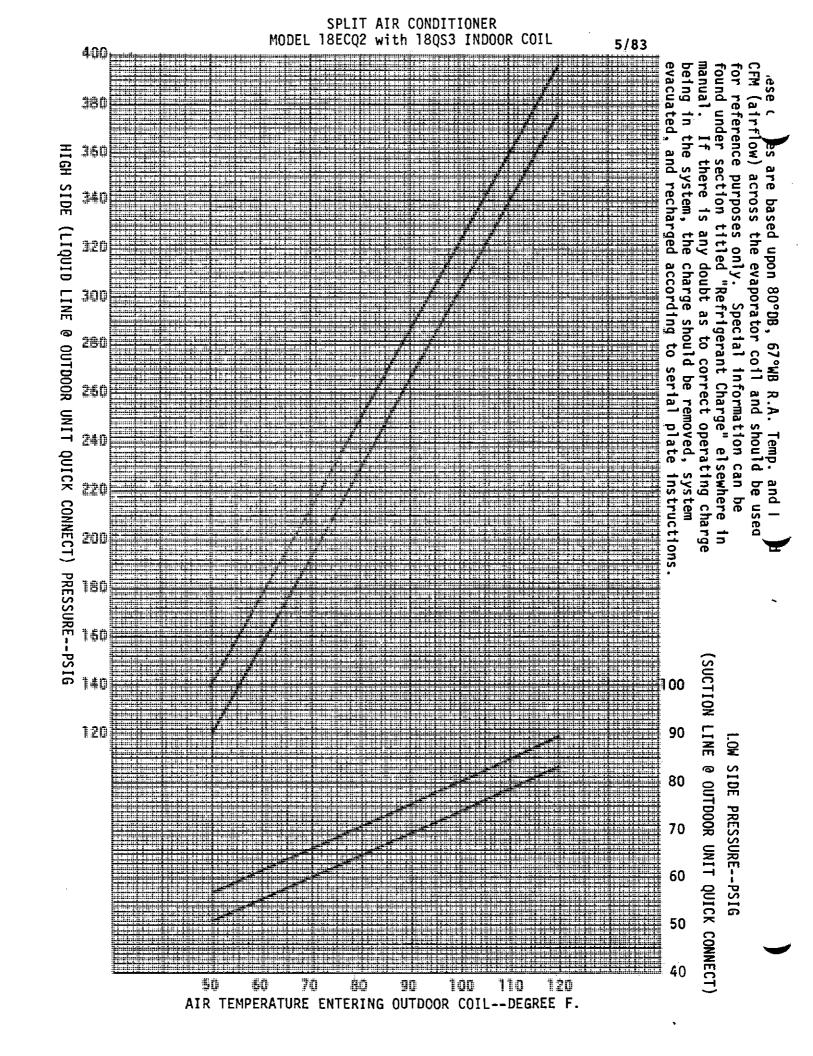
PARTS LIST SPLIT SYSTEM CONDENSING UNITS

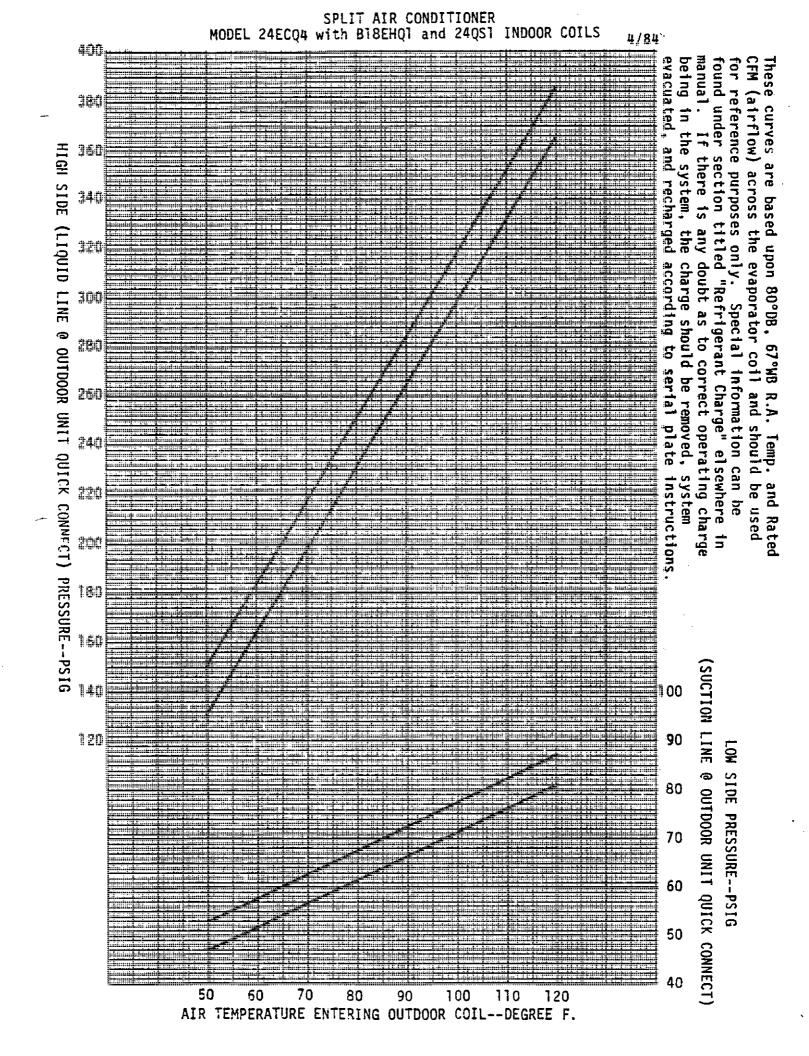
Part No.	Description	18ECQ2	24ECQ4	30ECQ4	31ECQ1	36ECQ5	37ECQ1	37ECQ1-B	42ECQ1	42ECQ1-8	48ECQ2	48ECQ2-B	60ECQ1	60ECQ1-B	37ECQ1-C 460v	42ECQ1-C 460v	48ECQ2-C	CQ1-
4021-110 4021-410 4025-110	, , ,	х	x x			,			x		×		x					
4025-210 4025-310 4062-110	Wiring Diagram Wiring Diagram Wiring Diagram			×	×					×		×		×		×	×	×
4062-111 4062-210 4062-310	Wiring Diagram					×	×	×							×			

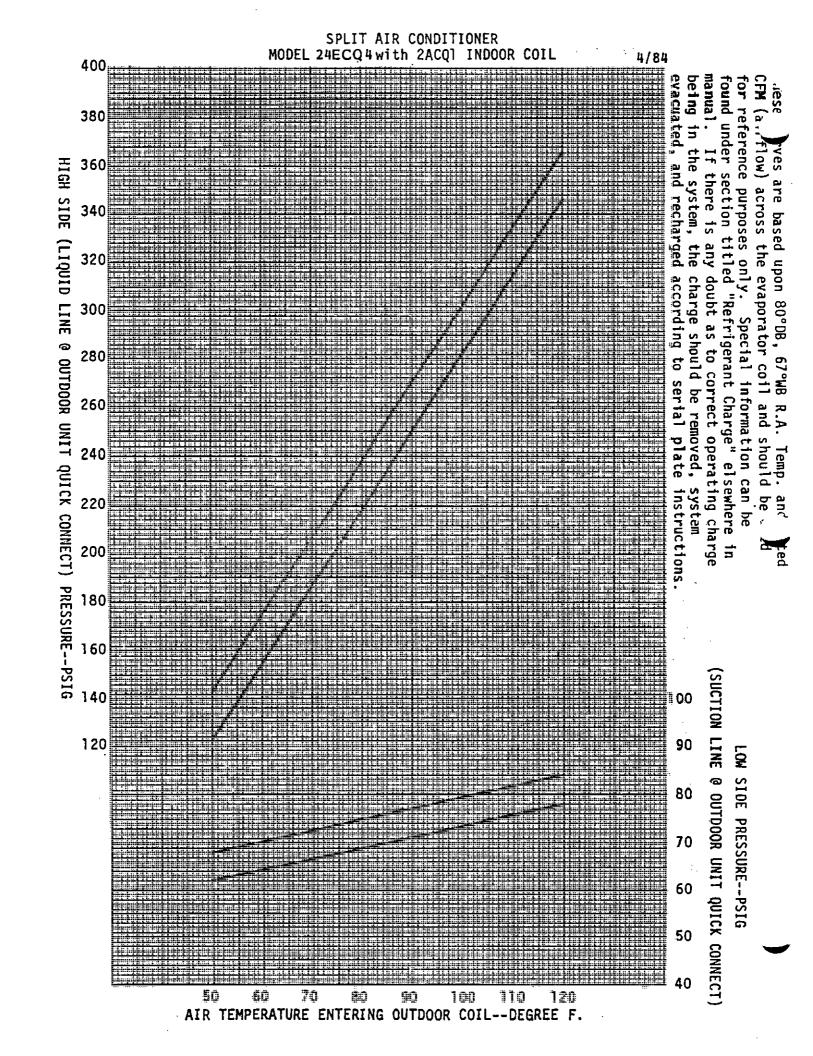
Minimum Net Billing \$15.00. Supersedes all previous lists. Subject to change without notice.

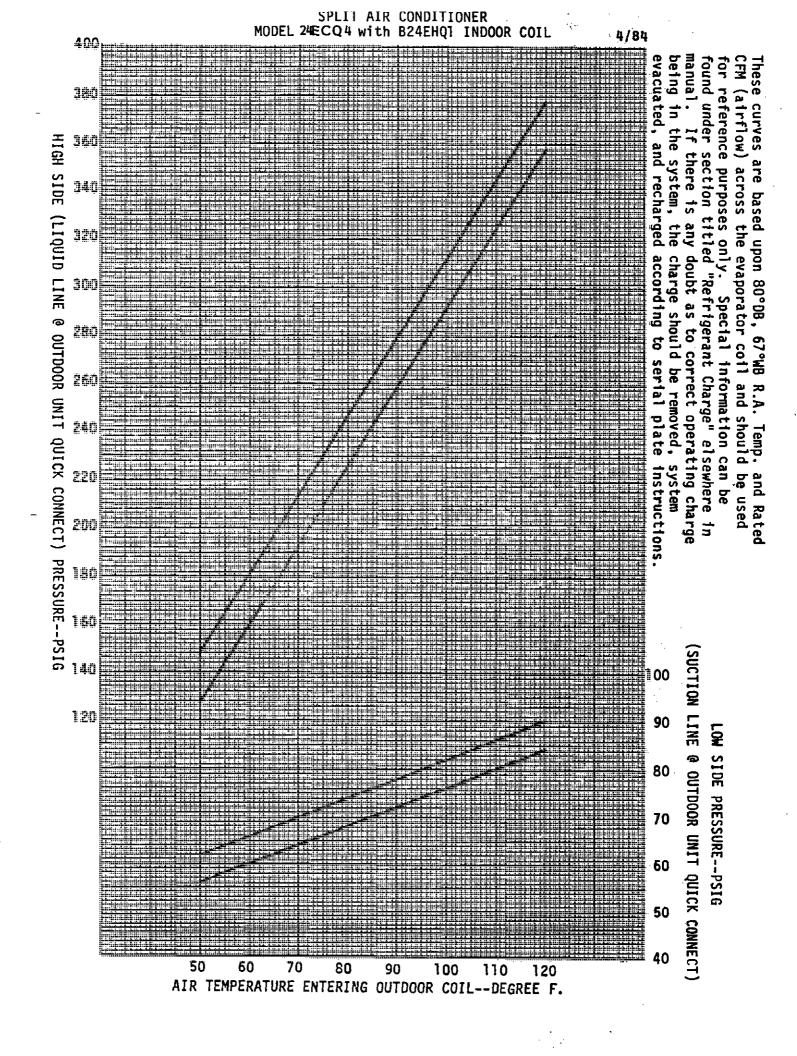
5/83

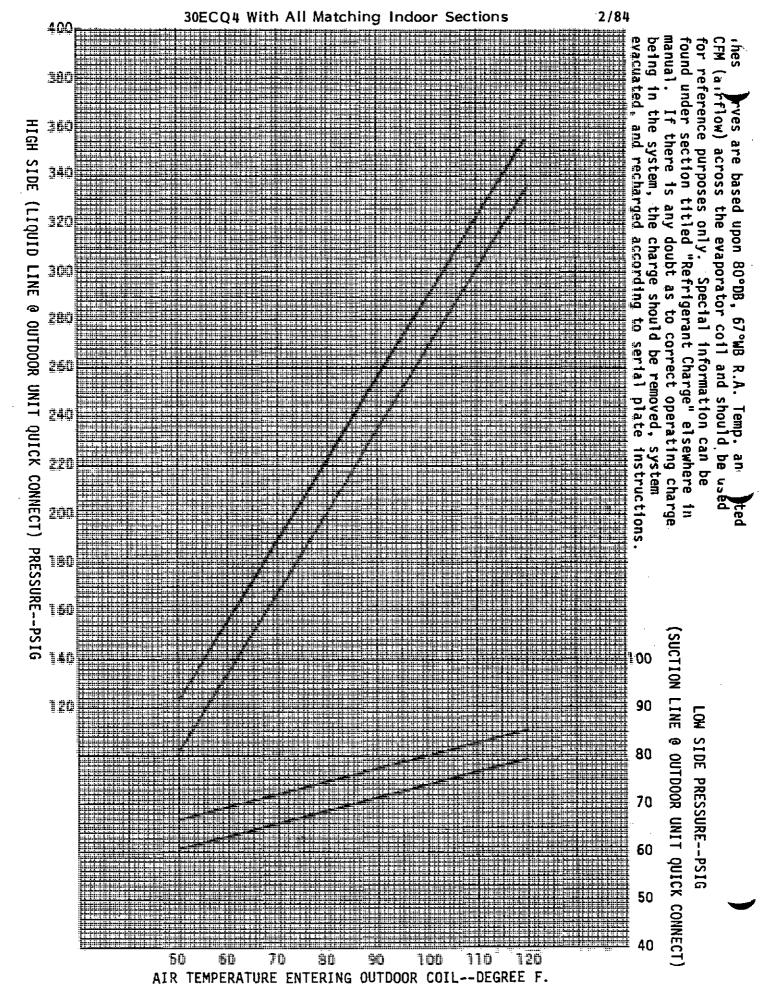


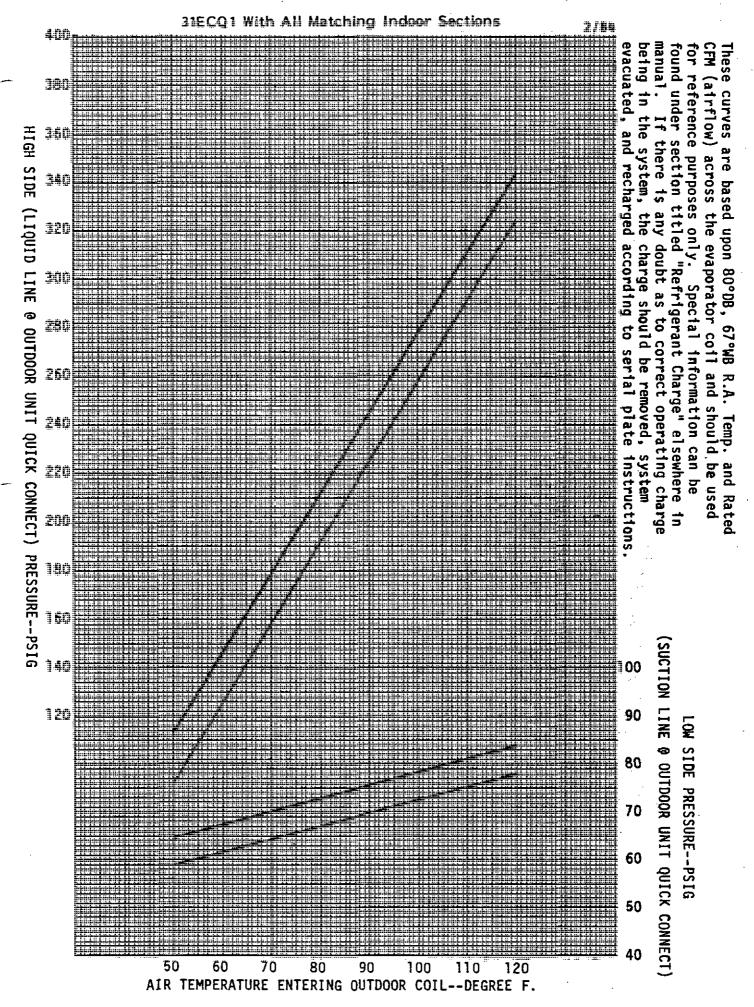


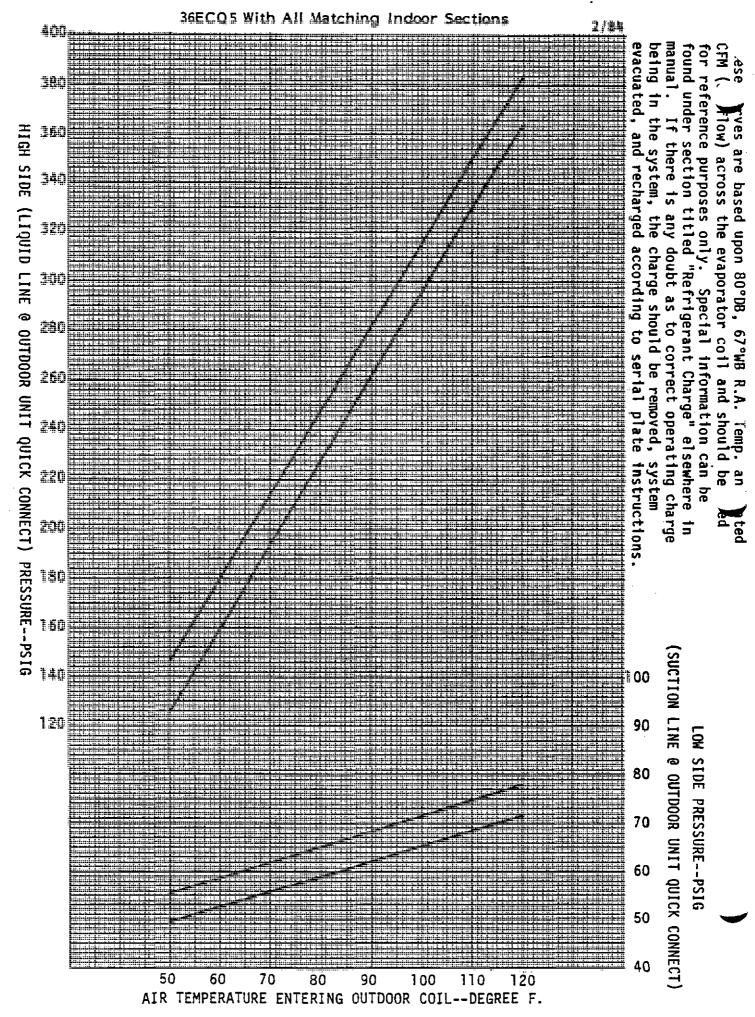


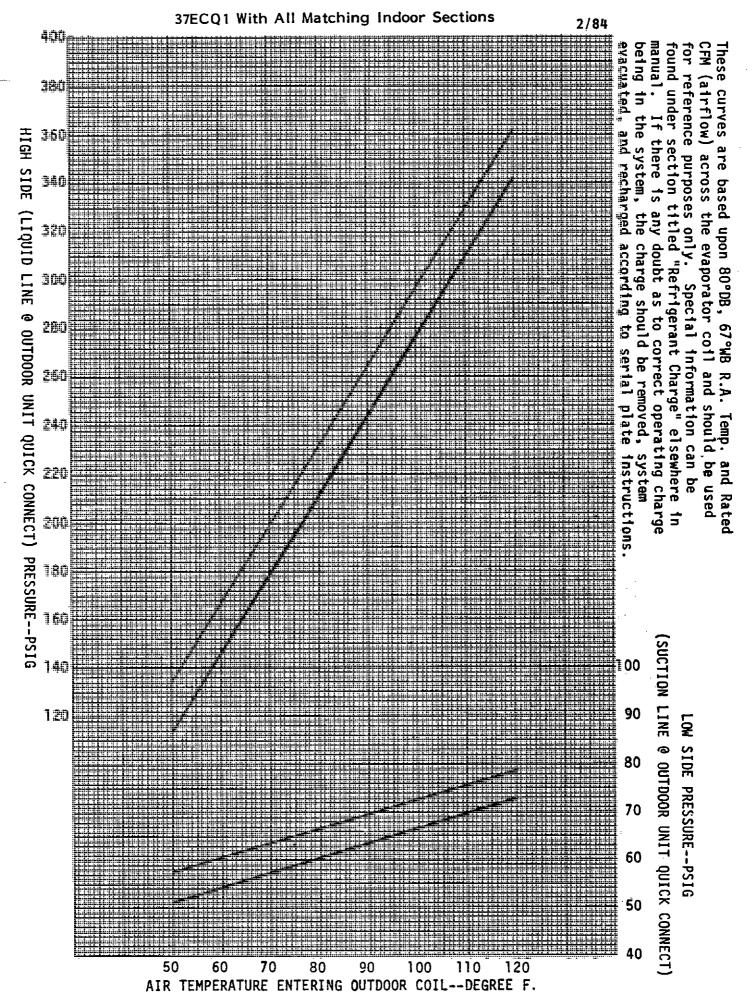


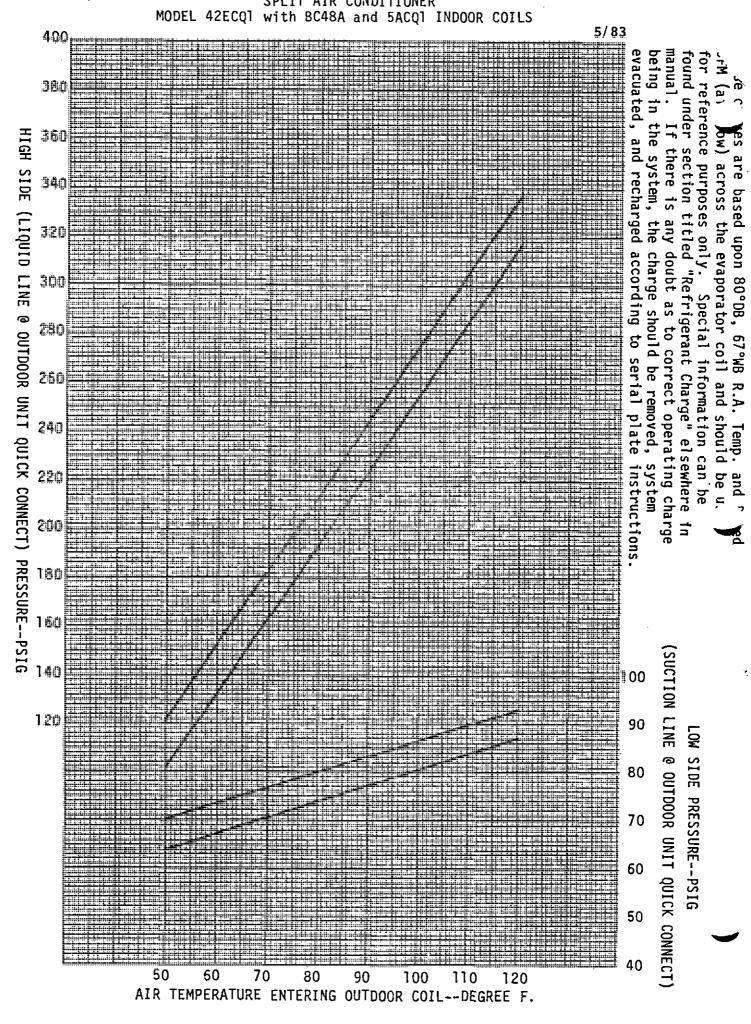




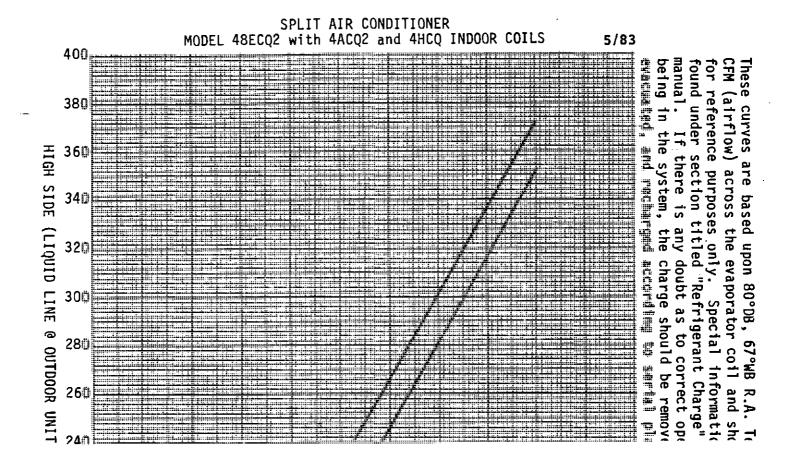








AIR TEMPERATURE ENTERING OUTDOOR COIL--DEGREE F.



GENERAL

Units are shipped completely assembled and internally wired, requiring only duct connections, thermostat wiring and external 220-240 volt AC power supply.

15Kw models require an external fuse panel, Model RFP-15, to comply with installation requirements. Refer to "Electrical Specifications" and "Field Wiring Data" for complete information.

The approved matching combinations of indoor and outdoor sections are:

Type	Indoor Section	Outdoor Section
A/C	B18EQ1	18ECQ1
A/C	B24FQ1	24ECQ1

UNPACKING

Upon receipt of equipment, carton should be checked for external signs of damage. If damage is found, request for inspection by carrier's agent should be made in writing immediately.

INSTALLATION

Size of unit for a proposed installation should be based on heat loss calculation made according to methods of Air Conditioning Contractors 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 Than Residence Type, NPPA No. 90A, and Residence Type Warm Air Seating and Air Conditioning Systems, NFPA No. 90B. Where local regulations are at a variance with instructions, installer should adhere to local codes.

DUCTWORK

Design the ductwork according to methods given by the National Warm Air Heating and Air Conditioning Association. When duct runs through unheated spaces, it should be insulated with a minimum of two inches of insulation. Use insulation with a vapor barrier on the outside of the insulation. Flexible joints should be used to connect the ductwork to the equipment in order to keep the noise transmission to a minimum.

FILTER

CONDENSATE DRAIN

Netermine where the drain line will run. This drain line contains cold water and must be insulated to avoid drops of water from dropping on ceiling, etc. A trap <u>must be</u> installed in the primary drain line below the bottom of the drain pan.

There is a separate drain connection for vertical and horizontal applications. Refer to drawings on page 2 for locations.

For horizontal installations with auxiliary drain pan, a separate drain line should be run from the auxiliary drain pan and terminated where the home owner can see it. Be certain to show the homeowner the location of the drain line and to explain its purpose. In the event of overflow of primary drain, water will collect in auxiliary pan and run out through the auxiliary drain line.

It is not recommended that any condensate drain lines be connected to a sewer main. Prain lines must be installed in accordance with local codes.

INTERCONNECTING TUBING

It is recommended that the interconnecting tubing be the RW-series charged tubing sets. This is a precharged tubing set with an insulated suction line. Both suction and liquid line are equipped with the correct quick connect fittings for proper match up to the indoor and outdoor sections. The RW-series is available in standard tubing lengths of 15, 25, 35 and 45 feet.

THERMOSTAT LOW-VOLTAGE WIRING

A 24V terminal block is mounted on the top (vertical position) of the unit. There is also a 24V terminal block located in the outdoor section of remote heat pumps and two tagged 24V wires in the outdoor section of remote air conditioners.

Specific control circuit wiring diagrams for the various applications are referenced in the section titled AIR CONDITIONING WITH ELECTRIC HEAT. These diagrams detail the recommended controls and wiring to allow the best possible operation of the different types of systems with respect to energy conservation while still maintaining close comfort levels for the occupant.

TWO SPEED BLOWER MOTOR

THE RLOWER COLL is supplied with a multiple speed blower motor, using two speed taps to provide airflow variation for the different basic capacity ratings of the outdoor

AIR TEMPERATURE ENTERING OUTDOOR COIL--DEGREE F.

			•
			—
•			
			<u> </u>