

INSTALLATION INSTRUCTIONS

Single Point Wiring Kits

AXB201SPKA, AXB202SPKA, AXB203SPKA, AXB204SPKA, AXB205SPKA, AXB206SPHA, AXB207SPHA, AXB208SPHA, AXB209SPHA, AXB210SPLA, AXB211SPLA, AXB212SPLA, AXB213SPLA

These instructions must be read and understood completely before attempting installation.

WARNING

Electrical shock hazard.

Installation or repairs made by unqualified persons can result in hazards to you and others. Installation must conform with local building codes or, in the absence of local codes, with National Electrical Code ANSI/NFPA 70-1996 or current edition.

The information contained in this manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.

Shut OFF electric power at unit disconnect and/or service panel before beginning the following procedures.

Failure to carefully read and follow all instructions in this manual can result in malfunction, property damage, personal injury, and/or death.

BEFORE STARTING INSTALLATION, DISCONNECT ALL POWER TO THE UNIT.

INSTALLATION:

- 1a. **For AXB201SPKA - AXB205SPKA.** Position the Single Point Wiring Panel in the unit as shown in **Figure 1**. Use the existing screws to fasten the Panel to the unit.
- 1b. **For AXB206SPHA - AXB213SPLA.** Position the Single Point Wiring Panel in the unit as shown in **Figure 2**. Use the supplied self-drilling screws to fasten the Panel to the unit.
2. Attach heater wires from the single point accessory to the heater contactors or circuit breakers according to the wiring diagram included in this kit.
3. Attach unit wires from the single point accessory to the unit contactor according to the wiring diagram included in this kit.
4. **Fuses are not provided with the Single Point Wiring Kit. Fuses must be field installed. Size unit and heater fuses according to the Unit Rating Plate.**
5. Connect the main power supply to the Power Distribution Block according to the wiring diagram included in this kit. Provide overcurrent protection for the main power supply according to the charts on pages 3, 4, and 5. Size main power supply wires according to NEC table 310-16 or according to local codes.
6. The wiring diagram is a self-adhesive label. Attach it to the inside of the control panel door for future reference.

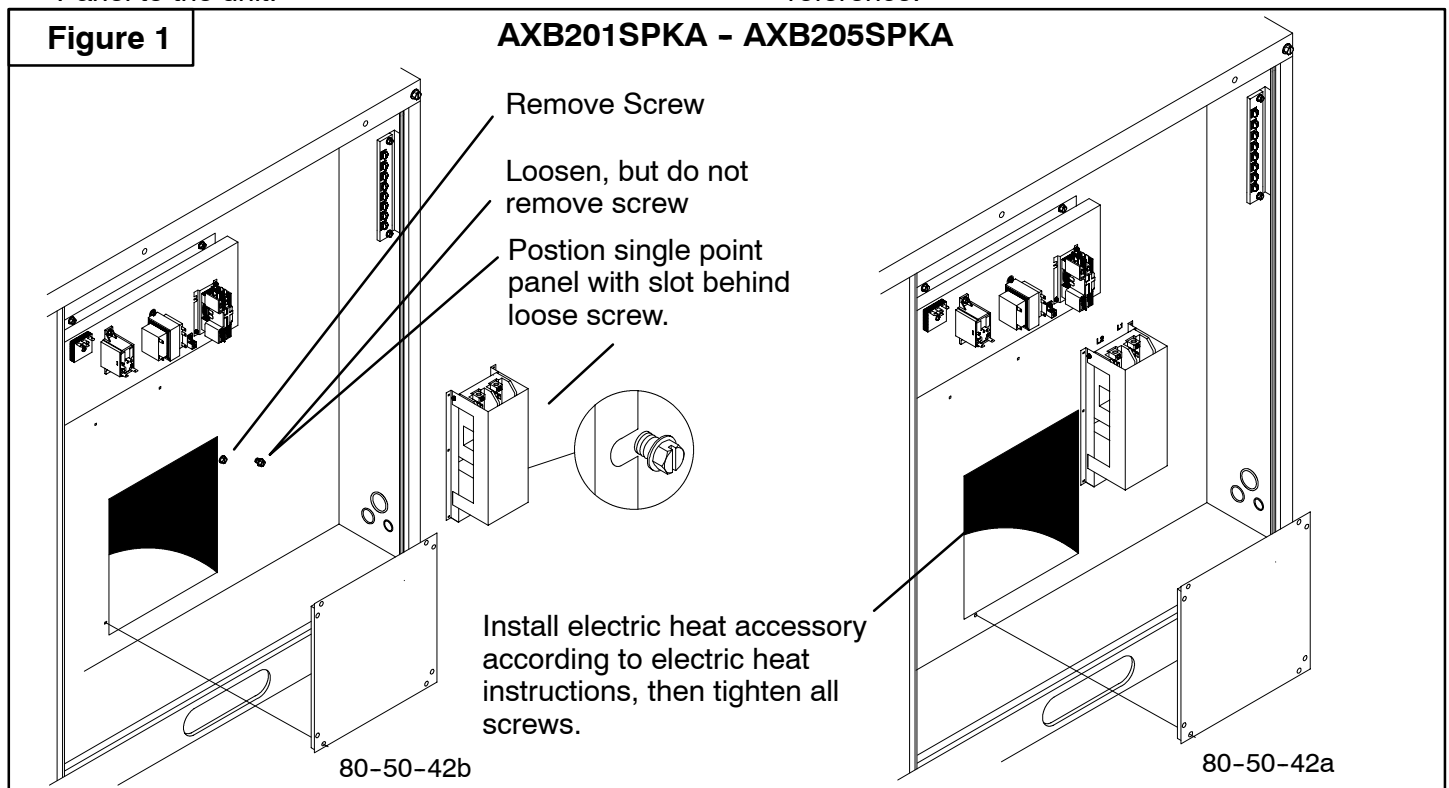
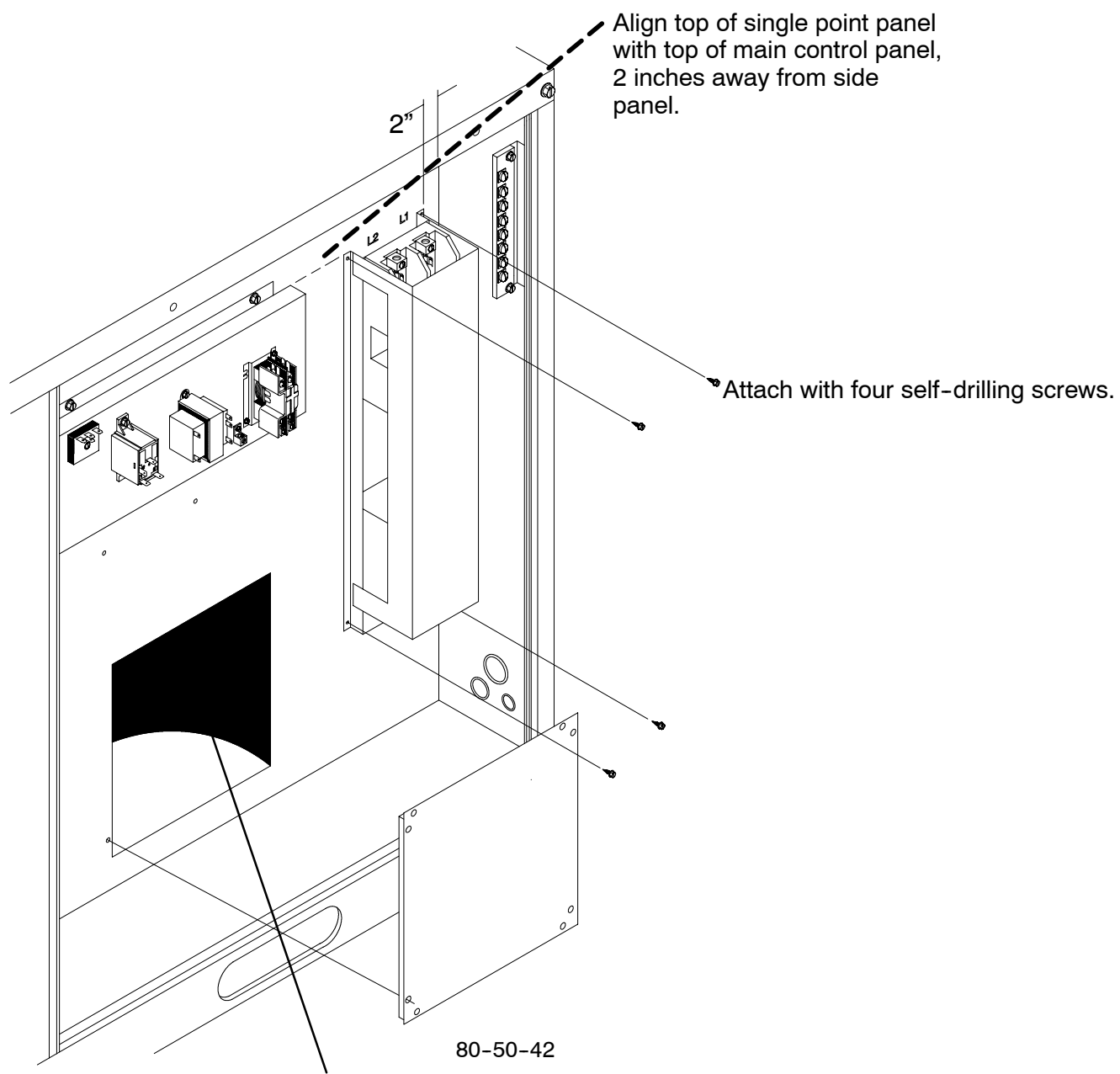


Figure 2

AXB206SPHA - AXB213SPLA



Install electric heat accessory according to electric heat instructions, then tighten all screws.

ELECTRICAL DATA

208/230-1-60						Single Point Supply		
Heater	Unit	Total Heater Amps	Compr. RLA	Indoor FLA	Outdoor FLA	TOTAL Ampacity (Unit + Heater)	Recommended	
							Maximum Overcurrent Device	Wire size
AEB005BKA	PHAD / PYMC24	20.8	12.9	2.6	1.4	46.1	50	*
	PHAD / PYMC30	20.8	15.2	2.6	1.9	49.5	50	*
	PAK / APK036	20.8	16	4	1.8	51.8	60	*
	PHAD / PYMC36	20.8	17.9	3.6	1.9	53.9	60	*
	PAK / APK042	20.8	17.95	4	1.8	54.2	60	*
	PHAD / PYMC42	20.8	20.5	4	1.7	57.3	70	*
	PAK / APK048	20.8	23.7	5	1.8	62.4	80	*
	PHAD47 / PYMC48	20.8	23.7	5	1.7	62.3	80	*
	PAK / APK060	20.8	25	5	1.7	64.0	80	*
	PHAD / PYMC60	20.8	28.8	5	2.6	69.6	90	*
AEB010CKA	PHAD / PYMC24	41.7	12.9	2.6	1.4	72.3	70	*
	PHAD / PYMC30	41.7	15.2	2.6	1.9	75.6	80	*
	PAK / APK036	41.7	16	4	1.8	77.9	80	*
	PHAD / PYMC36	41.7	17.9	3.6	1.9	80.0	80	*
	PAK / APK042	41.7	17.95	4	1.8	80.4	80	*
	PHAD / PYMC42	41.7	20.5	4	1.7	83.5	90	*
	PAK / APK048	41.7	23.7	5	1.8	88.6	100	*
	PHAD47 / PYMC48	41.7	23.7	5	1.7	88.5	100	*
	PAK / APK060	41.7	25	5	1.7	90.1	100	*
	PHAD / PYMC60	41.7	28.8	5	2.6	95.7	110	*
AEB015BKA	PHAD / PYMC24	62.5	12.9	2.6	1.4	98.3	90	*
	PHAD / PYMC30	62.5	15.2	2.6	1.9	101.6	100	*
AEB015CKA	PAK / APK036	62.5	16	4	1.8	103.9	100	*
	PHAD / PYMC36	62.5	17.9	3.6	1.9	106.0	100	*
	PAK / APK042	62.5	17.95	4	1.8	106.4	100	*
	PHAD / PYMC42	62.5	20.5	4	1.7	109.5	110	*
	PAK / APK048	62.5	23.7	5	1.8	114.6	120	*
	PHAD47 / PYMC48	62.5	23.7	5	1.7	114.5	120	*
	PAK / APK060	62.5	25	5	1.7	116.1	120	*
	PHAD / PYMC60	62.5	28.8	5	2.6	121.7	130	*
AEB020CKA	PAK / APK036	83.4	16	4	1.8	130.1	120	*
	PHAD / PYMC36	83.4	17.9	3.6	1.9	132.1	120	*
	PAK / APK042	83.4	17.95	4	1.8	132.5	120	*
	PHAD / PYMC42	83.4	20.5	4	1.7	135.6	130	*
	PAK / APK048	83.4	23.7	5	1.8	140.7	140	*
	PHAD47 / PYMC48	83.4	23.7	5	1.7	140.6	140	*
	PAK / APK060	83.4	25	5	1.7	142.2	140	*
	PHAD / PYMC60	83.4	28.8	5	2.6	147.9	150	*
AEB025CKA	PAK / APK048	104.2	23.7	5	1.8	166.7	160	*
	PHAD47 / PYMC48	104.2	23.7	5	1.7	166.6	160	*
	PAK / APK060	104.2	25	5	1.7	168.2	160	*
	PHAD / PYMC60	104.2	28.8	5	2.6	173.9	170	*
AEB030CKA	PAK / APK048	125.1	23.7	5	1.8	192.8	180	*
	PHAD47 / PYMC48	125.1	23.7	5	1.7	192.7	180	*
	PAK / APK060	125.1	25	5	1.7	194.3	180	*
	PHAD / PYMC60	125.1	28.8	5	2.6	200.0	190	*

* Size wires according to NEC table 310-16, or according to local codes.

ELECTRICAL DATA

208/230-3-60								Single Point Supply		
Heater	Unit		Total Heater Amps	Comp. 1 RLA	Comp. 2 RLA	Indoor FLA	Outdoor FLA	TOTAL Ampacity (Unit + Heater)	Recommended	
									Maximum Overcurrent Device	Wire size
AEB010CHA	PAB036	PAMC/D36	24.1	10.3	0	5.8	2.6	51.4	50	*
	PHB036	PYMD36	24.1	10.3	0	4	1.7	48.7	50	*
	PAE048	APE048	24.1	13.46	0	5	1.8	53.8	60	*
	PAB048	PAMC/D48	24.1	13.1	0	6	2.6	55.1	60	*
	PHB048	PYMD48	24.1	13.5	0	5	1.7	53.7	60	*
	PAE060	APE060	24.1	17.31	0	5	1.8	58.6	60	*
	PAB060	PAMC/D60	24.1	21.3	0	8.5	2.6	67.9	80	*
	PHB060	PYMD60	24.1	17.3	0	5	2.6	59.4	70	*
	PAB075	PAMC/D75	24.1	10.8	10.8	6.8	2.6	63.8	60	*
	PHB075	HPB075	24.1	19.4	0	6	2.6	63.0	70	*
	PAF090	APF090	24.1	28.9	0	6	2.9	75.2	90	*
AEB015CHA	PAB036	PAMC/D36	36.1	10.3	0	5.8	2.6	66.4	60	*
	PHB036	PYMD36	36.1	10.3	0	4	1.7	63.7	60	*
	PAE048	APE048	36.1	13.46	0	5	1.8	68.8	70	*
	PAB048	PAMC/D48	36.1	13.1	0	6	2.6	70.1	70	*
	PHB048	PYMD48	36.1	13.5	0	5	1.7	68.7	70	*
	PAE060	APE060	36.1	17.31	0	5	1.8	73.6	80	*
	PAB060	PAMC/D60	36.1	21.3	0	8.5	2.6	82.9	90	*
	PHB060	PYMD60	36.1	17.3	0	5	2.6	74.4	80	*
	PAB075	PYMD75	36.1	10.8	10.8	6.8	2.6	78.8	80	*
	PHB075	HPB075	36.1	19.4	0	6	2.6	78.0	80	*
	PAF090	APF090	36.1	28.9	0	6	2.9	90.2	110	*
AEB020CHA	PAB036	PAMC/D36	48.2	10.3	0	5.8	2.6	81.5	90	*
	PHB036	PYMD36	48.2	10.3	0	4	1.7	78.8	80	*
	PAE048	APE048	48.2	13.46	0	5	1.8	83.9	90	*
	PAB048	PAMC/D48	48.2	13.1	0	6	2.6	85.2	90	*
	PHB048	PYMD48	48.2	13.5	0	5	1.7	83.8	90	*
	PAE060	APE060	48.2	17.31	0	5	1.8	88.7	100	*
	PAB060	PAMC/D60	48.2	21.3	0	8.5	2.6	98.0	110	*
	PHB060	PYMD60	48.2	17.3	0	5	2.6	89.5	100	*
	PAB075	PYMD75	48.2	10.8	10.8	6.8	2.6	94.0	100	*
	PHB075	HPB075	48.2	19.4	0	6	2.6	93.1	110	*
	PAF090	APF090	48.2	28.9	0	6	2.9	105.3	130	*
AEB025CHA	PAE048	APE048	60.2	13.46	0	5	1.8	98.9	110	*
	PAB048	PAMC/D48	60.2	13.1	0	6	2.6	100.2	110	*
	PHB048	PYMD48	60.2	13.5	0	5	1.7	98.8	110	*
	PAE060	APE060	60.2	17.31	0	5	1.8	103.7	120	*
	PAB060	PAMC/D60	60.2	21.3	0	8.5	2.6	113.0	130	*
	PHB060	PYMD60	60.2	17.3	0	5	2.6	104.5	120	*
	PAB075	PAMC/D75	60.2	10.8	10.8	6.8	2.6	109.0	110	*
	PHB075	HPB075	60.2	19.4	0	6	2.6	108.1	120	*
	PAF090	APF090	60.2	28.9	0	6	2.9	120.3	140	*
AEB030CHA	PAE048	APE048	72.2	13.46	0	5	1.8	113.9	120	*
	PAB048	PAMC/D48	72.2	13.1	0	6	2.6	115.2	120	*
	PHB048	PYMD48	72.2	13.5	0	5	1.7	113.8	120	*
	PAE060	APE060	72.2	17.31	0	5	1.8	118.7	130	*
	PAB060	PAMC/D60	72.2	21.3	0	8.5	2.6	128.0	140	*
	PHB060	PYMD60	72.2	17.3	0	5	2.6	119.5	130	*
	PAB075	PAMC/D75	72.2	10.8	10.8	6.8	2.6	124.0	130	*
	PHB075	HPB075	72.2	19.4	0	6	2.6	123.1	140	*
	PAF090	APF090	72.2	28.9	0	6	2.9	135.3	160	*

* Size wires according to NEC table 310-16, or according to local codes.

ELECTRICAL DATA

460-3-60								Single Point Supply		
Heater	Unit		Total Heater Amps	Comp. 1 RLA	Comp. 2 RLA	Indoor FLA	Outdoor FLA	TOTAL Ampacity (Unit + Heater)	Recommended	
									Maximum Overcurrent Device	Wire size
AEB010CLA	PAB036	PAMC/D36	12	5.1	0	1.4	1.4	24.2	25	*
	PHB036	PYMD36	12	5.1	0	1.4	0.8	23.6	25	*
	PAE048	APE048	12	7.37	0	2.12	0.8	27.1	30	*
	PAB048	PAMC/D48	12	6.6	0	1.7	1.4	26.4	30	*
	PHB048	PYMD48	12	7.4	0	2.1	0.8	27.2	30	*
	PAE060	APE060	12	8.97	0	2.12	0.8	29.1	35	*
	PAB060	PAMC/D60	12	9.1	0	2	1.4	29.8	35	*
	PHB060	PYMD60	12	9	0	2.1	1.4	29.8	35	*
	PAB075	PAMC/D75	12	4.6	4.6	3.4	1.4	30.2	30	*
	PHB075	HPB075	12	9.71	0	2.9	1.4	31.4	35	*
	PAF090	APF090	12	14.7	0	3	1.6	38.0	45	*
AEB015CLA	PAB036	PAMC/D36	18.1	5.1	0	1.4	1.4	31.8	30	*
	PHB036	PYMD36	18.1	5.1	0	1.4	0.8	31.2	30	*
	PAE048	APE048	18.1	7.37	0	2.12	0.8	34.8	35	*
	PAB048	PAMC/D48	18.1	6.6	0	1.7	1.4	34.0	35	*
	PHB048	PYMD48	18.1	7.4	0	2.1	0.8	34.8	35	*
	PAE060	APE060	18.1	8.97	0	2.12	0.8	36.8	40	*
	PAB060	PAMC/D60	18.1	9.1	0	2	1.4	37.4	40	*
	PHB060	PYMD60	18.1	9	0	2.1	1.4	37.4	40	*
	PAB075	PAMC/D75	18.1	4.6	4.6	3.4	1.4	37.8	35	*
	PHB075	HPB075	18.1	9.71	0	2.9	1.4	39.1	40	*
	PAF090	APF090	18.1	14.7	0	3	1.6	45.6	50	*
AEB020CLA	PAB036	PAMC/D36	24	5.1	0	1.4	1.4	39.2	40	*
	PHB036	PYMD36	24	5.1	0	1.4	0.8	38.6	40	*
	PAE048	APE048	24	7.37	0	2.12	0.8	42.1	45	*
	PAB048	PAMC/D48	24	6.6	0	1.7	1.4	41.4	45	*
	PHB048	PYMD48	24	7.4	0	2.1	0.8	42.2	45	*
	PAE060	APE060	24	8.97	0	2.12	0.8	44.1	50	*
	PAB060	PAMC/D60	24	9.1	0	2	1.4	44.8	50	*
	PHB060	PYMD60	24	9	0	2.1	1.4	44.8	50	*
	PAB075	PAMC/D75	24	4.6	4.6	3.4	1.4	45.2	45	*
	PHB075	HPB075	24	9.71	0	2.9	1.4	46.4	50	*
	PAF090	APF090	24	14.7	0	3	1.6	53.0	60	*
AEB025CLA	PAE048	APE048	30.2	7.37	0	2.12	0.8	49.9	50	*
	PAB048	PAMC/D48	30.2	6.6	0	1.7	1.4	49.1	50	*
	PHB048	PYMD48	30.2	7.4	0	2.1	0.8	49.9	50	*
	PAE060	APE060	30.2	8.97	0	2.12	0.8	51.9	60	*
	PAB060	PAMC/D60	30.2	9.1	0	2	1.4	52.5	60	*
	PHB060	PYMD60	30.2	9	0	2.1	1.4	52.5	60	*
	PAB075	PAMC/D75	30.2	4.6	4.6	3.4	1.4	52.9	50	*
	PHB075	HPB075	30.2	9.71	0	2.9	1.4	54.2	60	*
	PAF090	APF090	30.2	14.7	0	3	1.6	60.7	70	*
AEB030CLA	PAE048	APE048	36.2	7.37	0	2.12	0.8	57.4	60	*
	PAB048	PAMC/D48	36.2	6.6	0	1.7	1.4	56.6	60	*
	PHB048	PYMD48	36.2	7.4	0	2.1	0.8	57.4	60	*
	PAE060	APE060	36.2	8.97	0	2.12	0.8	59.4	60	*
	PAB060	PAMC/D60	36.2	9.1	0	2	1.4	60.0	60	*
	PHB060	PYMD60	36.2	9	0	2.1	1.4	60.0	60	*
	PAB075	PYMD75	36.2	4.6	4.6	3.4	1.4	60.4	60	*
	PHB075	HPB075	36.2	9.71	0	2.9	1.4	61.7	70	*
	PAF090	APF090	36.2	14.7	0	3	1.6	68.2	80	*

* Size wires according to NEC table 310-16, or according to local codes.

ELECTRICAL DATA								Single Point Supply		
575-3-60								Recommended		
Heater	Unit		Total Heater Amps	Compr. 1 RLA	Compr. 2 RLA	Indoor FLA	Outdoor FLA	TOTAL Ampacity (Unit + Heater)	Maximum Overcurrent Device	Wire Size
AEB010CSA	PAB036	PAMC/D36	9.6	4.5	0	1.3	1.2	20.1	20	*
	PAB048	PAMC/D48	9.6	5.2	0	1.3	1.2	21.0	20	*
	PAB060	PAMC/D60	9.6	8.6	0	1.6	1.2	25.6	30	*
	PAB075	PAMC/D75	9.6	4.4	4.6	2.4	1.2	25.7	25	*
	PHB075	HPB075	9.6	7.76	0	2.4	1.2	25.3	30	*
	PAF090	APF090	9.6	10.77	0	2.4	1.33	29.2	35	*
AEB015CSA	PAB036	PAMC/D36	14.5	4.5	0	1.3	1.2	26.3	25	*
	PAB048	PAMC/D48	14.5	5.2	0	1.3	1.2	27.1	25	*
	PAB060	PAMC/D60	14.5	8.6	0	1.6	1.2	31.7	35	*
	PAB075	PAMC/D75	14.5	4.4	4.6	2.4	1.2	31.8	30	*
	PHB075	HPB075	14.5	7.76	0	2.4	1.2	31.4	35	*
	PAF090	APF090	14.5	10.77	0	2.4	1.33	35.3	40	*
AEB020CSA	PAB036	PAMC/D36	19.2	4.5	0	1.3	1.2	32.1	35	*
	PAB048	PAMC/D48	19.2	5.2	0	1.3	1.2	33.0	35	*
	PAB060	PAMC/D60	19.2	8.6	0	1.6	1.2	37.6	45	*
	PAB075	PAMC/D75	19.2	4.4	4.6	2.4	1.2	37.7	40	*
	PHB075	HPB075	19.2	7.76	0	2.4	1.2	37.3	45	*
	PAF090	APF090	19.2	10.77	0	2.4	1.33	41.2	50	*
AEB025CSA	PAB048	PAMC/D48	24	5.2	0	1.3	1.2	39.0	40	*
	PAB060	PAMC/D60	24	8.6	0	1.6	1.2	43.6	50	*
	PAB075	PAMC/D75	24	4.4	4.6	2.4	1.2	43.7	45	*
	PHB075	HPB075	24	7.76	0	2.4	1.2	43.3	50	*
	PAF090	APF090	24	10.77	0	2.4	1.33	47.2	50	*
AEB030CSA	PAB048	PAMC/D48	29	5.2	0	1.3	1.2	45.3	50	*
	PAB060	PAMC/D60	29	8.6	0	1.6	1.2	49.8	50	*
	PAB075	PAMC/D75	29	4.4	4.6	2.4	1.2	50.0	50	*
	PHB075	HPB075	29	7.76	0	2.4	1.2	49.6	50	*
	PAF090	APF090	29	10.77	0	2.4	1.33	53.4	60	*

* Size wires according to NEC table 310-16, or according to local codes.

SINGLE POINT WIRING KIT SELECTION GUIDE								
MODEL		Heater						
		AEB005BKA	AEB010CKA	AEB015BKA	AEB015CKA	AEB020CKA	AEB025CKA	AEB030CKA
1 phase 208/230		Single Point Kits						
APK036	PAK036	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	n/a	n/a
APK042	PAK042	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	n/a	n/a
APK048	PAK048	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	AXB205SPKA	AXB205SPKA
APK060	PAK060	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	AXB205SPKA	AXB205SPKA
PYMC24	PHAD24	AXB201SPKA	AXB201SPKA	AXB203SPKA	n/a	n/a	n/a	n/a
PYMC30	PHAD30	AXB202SPKA	AXB202SPKA	AXB204SPKA	n/a	n/a	n/a	n/a
PYMC36	PHAD36	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	n/a	n/a
PYMC42	PHAD42	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	n/a	n/a
PYMC47	PHAD47	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	AXB205SPKA	AXB205SPKA
PYMC60	PHAD60	AXB202SPKA	AXB202SPKA	n/a	AXB204SPKA	AXB204SPKA	AXB205SPKA	AXB205SPKA
		AEB010CHA	AEB015CHA	AEB020CHA	AEB025CHA	AEB030CHA		
3 phase 208/230		Single Point Kits						
PAMC/D36	PAB036	AXB206SPHA	AXB206SPHA	AXB208SPHA	n/a	n/a		
PAMC/D48	PAB048	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
PAMC/D60	PAB060	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
PAMC/D75	PAB075	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
APF090	PAF090	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
APE048	PAE048	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
APE060	PAE060	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
PYMD36	PHB036	AXB206SPHA	AXB206SPHA	AXB208SPHA	n/a	n/a		
PYMD48	PHB048	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
PYMD60	PHB060	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
HPB075	PHB075	AXB207SPHA	AXB207SPHA	AXB209SPHA	AXB209SPHA	AXB209SPHA		
		AEB010CLA	AEB015CLA	AEB020CLA	AEB025CLA	AEB030CLA		
		AEB010CSA	AEB015CSA	AEB020CSA	AEB025CSA	AEB030CSA		
3 Phase 460 / 575		Single Point Kits						
PAMC/D36	PAB036	AXB210SPLA	AXB210SPLA	AXB213SPLA	n/a	n/a		
PAMC/D48	PAB048	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
PAMC/D60	PAB060	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
PAMC/D75	PAB075	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
APF090L	PAF090L	AXB211SPLA	AXB211SPLA	AXB212SPLA	AXB212SPLA	AXB212SPLA		
APF090S	PAF090S	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
APE048	PAE048	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
APE060	PAE060	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
PYMD36	PHB036	AXB210SPLA	AXB210SPLA	AXB213SPLA	n/a	n/a		
PYMD48	PHB048	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
PYMD60	PHB060	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		
HPB075	PHB075	AXB210SPLA	AXB210SPLA	AXB213SPLA	AXB213SPLA	AXB213SPLA		