



**ELECTRIC HEAT DATA**  
**CBA25UH, CBA25UHV, CBA27UHE, CBA38MV**

**RESIDENTIAL  
 PRODUCT SPECIFICATIONS**

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**REPLACEMENT CIRCUIT BREAKERS**

Voltage	Description	Catalog No.
208/240V - 1 Phase	25 amp, 2 pole	<b>41K13</b>
	30 amp, 2 pole	<b>17K70</b>
	35 amp, 2 pole	<b>72K07</b>
	40 amp, 2 pole	<b>49K14</b>
	45 amp, 2 pole	<b>17K71</b>
	50 amp, 2 pole	<b>41K12</b>
	60 amp, 2 pole	<b>17K72</b>
208/240V - 3 Phase	30 amp, 3 pole	<b>64W47</b>
	35 amp, 3 pole	<b>41K14</b>
	40 amp, 3 pole	<b>41K16</b>
	45 amp, 3 pole	<b>18M86</b>
	50 amp, 3 pole	<b>41K15</b>
	60 amp, 3 pole	<b>41K17</b>

## ELECTRIC HEAT DATA

## CBA25UH-018 | SINGLE PHASE

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
		Volt	kW	<sup>1</sup> Btuh			
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block	208	3.0	10,250	1.1	19	<sup>4</sup> 20
	ECBA25-4CB (19V32) 30A Circuit Breaker	220	3.4	11,450	1.1	20	<sup>4</sup> 20
		230	3.7	12,550	1.1	21	<sup>4</sup> 25
		240	4.0	13,650	1.1	22	<sup>4</sup> 25
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block	208	3.6	12,300	1.1	23	<sup>4</sup> 25
	ECBA25-5CB (16Y39) 30A Circuit Breaker	220	4.0	13,800	1.1	24	<sup>4</sup> 25
		230	4.4	15,000	1.1	25	<sup>4</sup> 25
		240	4.8	16,400	1.1	26	30
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block	208	5.6	19,200	1.1	35	<b>35</b>
	ECBA25-7.5CB (16Y41) 45A Circuit Breaker	220	6.3	21,500	1.1	37	<sup>4</sup> 40
		230	6.9	23,500	1.1	39	<sup>4</sup> 40
		240	7.5	25,600	1.1	40	<sup>4</sup> 40
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block	208	7.2	24,600	1.1	45	<sup>4</sup> 45
	ECBA25-10CB (16Y42) 60A Circuit Breaker	220	8.0	27,500	1.1	47	<sup>4</sup> 50
		230	8.8	30,000	1.1	49	<sup>4</sup> 50
		240	9.6	32,700	1.1	51	60

## ELECTRIC HEAT DATA

## CBA25UH-024 | SINGLE PHASE

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
		Volt	kW	<sup>1</sup> Btuh			
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block	208	3.0	10,250	1.6	20	<sup>4</sup> 20
	ECBA25-4CB (19V32) 30A Circuit Breaker	220	3.4	11,450	1.6	21	<sup>4</sup> 25
		230	3.7	12,550	1.6	22	<sup>4</sup> 25
		240	4.0	13,650	1.6	23	<sup>4</sup> 25
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block	208	3.6	12,300	1.6	24	<sup>4</sup> 25
	ECBA25-5CB (16Y39) 30A Circuit Breaker	220	4.0	13,800	1.6	25	<sup>4</sup> 25
		230	4.4	15,000	1.6	26	30
		240	4.8	16,400	1.6	27	30
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block	208	5.6	19,200	1.6	36	<sup>4</sup> 40
	ECBA25-7.5CB (16Y41) 45A Circuit Breaker	220	6.3	21,500	1.6	38	<sup>4</sup> 40
		230	6.9	23,500	1.6	39	<sup>4</sup> 40
		240	7.5	25,600	1.6	41	45
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block	208	7.2	24,600	1.6	45	<sup>4</sup> 45
	ECBA25-10CB (16Y42) 60A Circuit Breaker	220	8.0	27,500	1.6	48	<sup>4</sup> 50
		230	8.8	30,000	1.6	50	<sup>4</sup> 50
		240	9.6	32,700	1.6	52	60

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.

**ELECTRIC HEAT DATA**

**CBA25UH-030 | SINGLE PHASE**

Electric Heat Model Number		Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block	208	3.0	10,250	2.2	21	---	<sup>4</sup> 25	---	---	---
	ECBA25-4CB (19V32) 30A Circuit Breaker	220	3.4	11,450	2.2	22	---	<sup>4</sup> 25	---	---	---
		230	3.7	12,550	2.2	23	---	<sup>4</sup> 25	---	---	---
		240	4.0	13,650	2.2	24	---	<sup>4</sup> 25	---	---	---
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block	208	3.6	12,300	2.2	24	---	<sup>4</sup> 25	---	---	---
	ECBA25-5CB (16Y39) 30A Circuit Breaker	220	4.0	13,800	2.2	26	---	30	---	---	---
		230	4.4	15,000	2.2	27	---	30	---	---	---
		240	4.8	16,400	2.2	28	---	30	---	---	---
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block	208	5.6	19,200	2.2	37	---	<sup>4</sup> 40	---	---	---
	ECBA25-7.5CB (16Y41) 45A Circuit Breaker	220	6.3	21,500	2.2	39	---	<sup>4</sup> 40	---	---	---
		230	6.9	23,500	2.2	40	---	<sup>4</sup> 40	---	---	---
		240	7.5	25,600	2.2	42	---	45	---	---	---
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block	208	7.2	24,600	2.2	46	---	<sup>4</sup> 50	---	---	---
	ECBA25-10CB (16Y42) 60A Circuit Breaker	220	8.0	27,500	2.2	49	---	<sup>4</sup> 50	---	---	---
		230	8.8	30,000	2.2	51	---	60	---	---	---
		240	9.6	32,700	2.2	53	---	60	---	---	---
<b>12.5 kW</b>	ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	2.2	40	19	<sup>4</sup> 40	<sup>4</sup> 20	59	60
		220	10.5	35,800	2.2	43	20	<sup>4</sup> 45	<sup>4</sup> 20	62	70
		230	11.5	39,200	2.2	44	21	<sup>4</sup> 45	25	65	70
		240	12.5	42,600	2.2	46	22	50	25	68	70
<b>15 kW</b>	ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	2.2	46	22	<sup>4</sup> 50	25	68	70
		220	12.1	41,300	2.2	49	23	<sup>4</sup> 50	25	72	80
		230	13.2	45,100	2.2	51	24	60	25	75	80
		240	14.4	49,100	2.2	53	25	60	25	78	80

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.

**ELECTRIC HEAT DATA**

**CBA25UH-036 | SINGLE PHASE**

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block	208	3.0	10,250	2.0	21	---	<sup>4</sup> 25	---	---	---
	ECBA25-4CB (19V32) 30A Circuit Breaker	220	3.4	11,450	2.0	22	---	<sup>4</sup> 25	---	---	---
		230	3.7	12,550	2.0	22	---	<sup>4</sup> 25	---	---	---
		240	4.0	13,650	2.0	23	---	<sup>4</sup> 25	---	---	---
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block	208	3.6	12,300	2.0	24	---	<sup>4</sup> 25	---	---	---
	ECBA25-5CB (16Y39) 30A Circuit Breaker	220	4.0	13,800	2.0	25	---	<sup>4</sup> 25	---	---	---
		230	4.4	15,000	2.0	26	---	30	---	---	---
		240	4.8	16,400	2.0	28	---	30	---	---	---
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block	208	5.6	19,200	2.0	36	---	<sup>4</sup> 40	---	---	---
	ECBA25-7.5CB (16Y41) 45A Circuit Breaker	220	6.3	21,500	2.0	38	---	<sup>4</sup> 40	---	---	---
		230	6.9	23,500	2.0	40	---	<sup>4</sup> 40	---	---	---
		240	7.5	25,600	2.0	42	---	45	---	---	---
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block	208	7.2	24,600	2.0	46	---	<sup>4</sup> 50	---	---	---
	ECBA25-10CB (16Y42) 60A Circuit Breaker	220	8.0	27,500	2.0	48	---	<sup>4</sup> 50	---	---	---
		230	8.8	30,000	2.0	50	---	<sup>4</sup> 50	---	---	---
		240	9.6	32,700	2.0	53	---	60	---	---	---
<b>12.5 kW</b>	ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	2.0	40	19	<sup>4</sup> 40	<sup>4</sup> 20	59	60
		220	10.5	35,800	2.0	42	20	<sup>4</sup> 45	<sup>4</sup> 20	62	70
		230	11.5	39,200	2.0	44	21	<sup>4</sup> 45	25	65	70
		240	12.5	42,600	2.0	46	22	50	25	68	70
<b>15 kW</b>	ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	2.0	46	22	<sup>4</sup> 50	25	68	70
		220	12.1	41,300	2.0	48	23	<sup>4</sup> 50	25	71	80
		230	13.2	45,100	2.0	50	24	<sup>4</sup> 50	25	74	80
		240	14.4	49,100	2.0	53	25	60	25	78	80

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.

## ELECTRIC HEAT DATA

## CBA25UH-042 | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b> ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	2.5	21	---	<sup>4</sup> <b>25</b>	---	---	---
	220	3.4	11,450	2.5	22	---	<sup>4</sup> <b>25</b>	---	---	---
	230	3.7	12,550	2.5	23	---	<sup>4</sup> <b>25</b>	---	---	---
	240	4.0	13,650	2.5	24	---	<sup>4</sup> <b>25</b>	---	---	---
<b>5 kW</b> ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	2.5	25	---	<sup>4</sup> <b>25</b>	---	---	---
	220	4.0	13,800	2.5	26	---	30	---	---	---
	230	4.4	15,000	2.5	27	---	30	---	---	---
	240	4.8	16,400	2.5	28	---	30	---	---	---
<b>7.5 kW</b> ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	2.5	37	---	<sup>4</sup> <b>40</b>	---	---	---
	220	6.3	21,500	2.5	39	---	<sup>4</sup> <b>40</b>	---	---	---
	230	6.9	23,500	2.5	41	---	45	---	---	---
	240	7.5	25,600	2.5	42	---	45	---	---	---
<b>10 kW</b> ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	2.5	46	---	<sup>4</sup> <b>50</b>	---	---	---
	220	8.0	27,500	2.5	49	---	<sup>4</sup> <b>50</b>	---	---	---
	230	8.8	30,000	2.5	51	---	60	---	---	---
	240	9.6	32,700	2.5	53	---	60	---	---	---
<b>12.5 kW</b> ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	2.5	41	19	<sup>4</sup> <b>45</b>	<sup>4</sup> <b>20</b>	60	60
	220	10.5	35,800	2.5	43	20	<sup>4</sup> <b>45</b>	<sup>4</sup> <b>20</b>	63	70
	230	11.5	39,200	2.5	45	21	<sup>4</sup> <b>45</b>	25	66	70
	240	12.5	42,600	2.5	47	22	50	25	68	70
<b>15 kW</b> ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	2.5	46	22	<sup>4</sup> <b>50</b>	25	68	70
	220	12.1	41,300	2.5	49	23	<sup>4</sup> <b>50</b>	25	72	80
	230	13.2	45,100	2.5	51	24	60	25	75	80
	240	14.4	49,100	2.5	53	25	60	25	78	80

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

## ELECTRIC HEAT DATA

## CBA25UH-048 | CBA25UH-060 | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b> ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	7.6	28	---	30	---	---	---
	220	3.4	11,450	7.6	29	---	30	---	---	---
	230	3.7	12,550	7.6	29	---	30	---	---	---
	240	4.0	13,650	7.6	30	---	30	---	---	---
<b>5 kW</b> ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	7.6	31	---	<sup>4</sup> <b>35</b>	---	---	---
	220	4.0	13,800	7.6	32	---	<sup>4</sup> <b>35</b>	---	---	---
	230	4.4	15,000	7.6	33	---	<sup>4</sup> <b>35</b>	---	---	---
	240	4.8	16,400	7.6	35	---	<sup>4</sup> <b>35</b>	---	---	---
<b>7.5 kW</b> ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	7.6	43	---	45	---	---	---
	220	6.3	21,500	7.6	45	---	45	---	---	---
	230	6.9	23,500	7.6	47	---	<sup>4</sup> <b>50</b>	---	---	---
	240	7.5	25,600	7.6	49	---	<sup>4</sup> <b>50</b>	---	---	---
<b>10 kW</b> ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	7.6	53	---	60	---	---	---
	220	8.0	27,500	7.6	55	---	60	---	---	---
	230	8.8	30,000	7.6	57	---	60	---	---	---
	240	9.6	32,700	7.6	60	---	60	---	---	---
<b>12.5 kW</b> ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	7.6	47	19	50	<sup>4</sup> <b>20</b>	66	70
	220	10.5	35,800	7.6	49	20	50	<sup>4</sup> <b>20</b>	69	70
	230	11.5	39,200	7.6	51	21	<sup>4</sup> <b>60</b>	25	72	80
	240	12.5	42,600	7.6	53	22	<sup>4</sup> <b>60</b>	25	75	80
<b>15 kW</b> ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	7.6	53	22	60	25	75	80
	220	12.1	41,300	7.6	55	23	60	25	78	80
	230	13.2	45,100	7.6	57	24	60	25	81	90
	240	14.4	49,100	7.6	60	25	60	25	85	90
<b>20 kW</b> ECBA25-20CB (16Y46) (1) 60A and (1) 50A Circuit Breaker	208	14.4	49,200	7.6	53	43	60	<sup>4</sup> <b>45</b>	96	100
	220	16.1	55,000	7.6	55	46	60	50	101	110
	230	17.6	60,100	7.6	57	48	60	50	105	110
	240	19.2	65,500	7.6	60	50	60	50	110	110

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

## ELECTRIC HEAT DATA

## CBA25UHV-018 | SINGLE PHASE

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
		Volt	kW	<sup>1</sup> Btuh			
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	3.9	23	<sup>4</sup> <b>25</b>
		220	3.4	11,450	3.9	24	<sup>4</sup> <b>25</b>
		230	3.7	12,550	3.9	25	<sup>4</sup> <b>25</b>
		240	4.0	13,650	3.9	26	30
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	3.9	27	30
		220	4.0	13,800	3.9	28	30
		230	4.4	15,000	3.9	29	30
		240	4.8	16,400	3.9	30	30
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	3.9	39	<sup>4</sup> <b>40</b>
		220	6.3	21,500	3.9	41	45
		230	6.9	23,500	3.9	42	45
		240	7.5	25,600	3.9	44	45
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	3.9	48	<sup>4</sup> <b>50</b>
		220	8.0	27,500	3.9	51	60
		230	8.8	30,000	3.9	53	60
		240	9.6	32,700	3.9	55	60

## ELECTRIC HEAT DATA

## CBA25UHV-024 | SINGLE PHASE

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
		Volt	kW	<sup>1</sup> Btuh			
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	3.9	23	<sup>4</sup> <b>25</b>
		220	3.4	11,450	3.9	24	<sup>4</sup> <b>25</b>
		230	3.7	12,550	3.9	25	<sup>4</sup> <b>25</b>
		240	4.0	13,650	3.9	26	30
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	3.9	27	30
		220	4.0	13,800	3.9	28	30
		230	4.4	15,000	3.9	29	30
		240	4.8	16,400	3.9	30	30
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	3.9	39	<sup>4</sup> <b>40</b>
		220	6.3	21,500	3.9	41	45
		230	6.9	23,500	3.9	42	45
		240	7.5	25,600	3.9	44	45
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	3.9	48	<sup>4</sup> <b>50</b>
		220	8.0	27,500	3.9	51	60
		230	8.8	30,000	3.9	53	60
		240	9.6	32,700	3.9	55	60

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

**ELECTRIC HEAT DATA**

**CBA25UHV-030 | SINGLE PHASE**

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block	208	3.0	10,250	3.9	23	---	<sup>4</sup> <b>25</b>	---	---	---
	ECBA25-4CB (19V32) 30A Circuit Breaker	220	3.4	11,450	3.9	24	---	<sup>4</sup> <b>25</b>	---	---	---
		230	3.7	12,550	3.9	25	---	<sup>4</sup> <b>25</b>	---	---	---
		240	4.0	13,650	3.9	26	---	30	---	---	---
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block	208	3.6	12,300	3.9	27	---	30	---	---	---
	ECBA25-5CB (16Y39) 30A Circuit Breaker	220	4.0	13,800	3.9	28	---	30	---	---	---
		230	4.4	15,000	3.9	29	---	30	---	---	---
		240	4.8	16,400	3.9	30	---	30	---	---	---
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block	208	5.6	19,200	3.9	39	---	<sup>4</sup> <b>40</b>	---	---	---
	ECBA25-7.5CB (16Y41) 45A Circuit Breaker	220	6.3	21,500	3.9	41	---	45	---	---	---
		230	6.9	23,500	3.9	42	---	45	---	---	---
		240	7.5	25,600	3.9	44	---	45	---	---	---
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block	208	7.2	24,600	3.9	48	---	<b>50</b>	---	---	---
	ECBA25-10CB (16Y42) 60A Circuit Breaker	220	8.0	27,500	3.9	51	---	60	---	---	---
		230	8.8	30,000	3.9	53	---	60	---	---	---
		240	9.6	32,700	3.9	55	---	60	---	---	---
<b>12.5 kW</b>	ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	3.9	42	19	<sup>4</sup> <b>45</b>	<sup>4</sup> <b>20</b>	61	70
		220	10.5	35,800	3.9	45	20	<sup>4</sup> <b>45</b>	<sup>4</sup> <b>20</b>	65	70
		230	11.5	39,200	3.9	46	21	50	25	67	70
		240	12.5	42,600	3.9	48	22	50	25	70	70
<b>15 kW</b>	ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	3.9	48	22	<sup>4</sup> <b>50</b>	25	70	70
		220	12.1	41,300	3.9	51	23	60	25	74	80
		230	13.2	45,100	3.9	53	24	60	25	77	80
		240	14.4	49,100	3.9	55	25	60	25	80	80

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**



**ELECTRIC HEAT DATA**

**CBA25UHV-036 | SINGLE PHASE**

Electric Heat Model Number		Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b>	ECBA25-4 ( <b>19V31</b> )	208	3.0	10,250	3.9	23	---	<sup>4</sup> <b>25</b>	---	---	---
	Terminal Block	220	3.4	11,450	3.9	24	---	<sup>4</sup> <b>25</b>	---	---	---
	ECBA25-4CB ( <b>19V32</b> )	230	3.7	12,550	3.9	25	---	<sup>4</sup> <b>25</b>	---	---	---
	30A Circuit Breaker	240	4.0	13,650	3.9	26	---	30	---	---	---
<b>5 kW</b>	ECBA25-5 ( <b>16Y36</b> )	208	3.6	12,300	3.9	27	---	30	---	---	---
	Terminal Block	220	4.0	13,800	3.9	28	---	30	---	---	---
	ECBA25-5CB ( <b>16Y39</b> )	230	4.4	15,000	3.9	29	---	30	---	---	---
	30A Circuit Breaker	240	4.8	16,400	3.9	30	---	30	---	---	---
<b>7.5 kW</b>	ECBA25-7.5 ( <b>16Y37</b> )	208	5.6	19,200	3.9	39	---	<sup>4</sup> <b>40</b>	---	---	---
	Terminal Block	220	6.3	21,500	3.9	41	---	45	---	---	---
	ECBA25-7.5CB ( <b>16Y41</b> )	230	6.9	23,500	3.9	42	---	45	---	---	---
	45A Circuit Breaker	240	7.5	25,600	3.9	44	---	45	---	---	---
<b>10 kW</b>	ECBA25-10 ( <b>16Y38</b> )	208	7.2	24,600	3.9	48	---	<sup>4</sup> <b>50</b>	---	---	---
	Terminal Block	220	8.0	27,500	3.9	51	---	60	---	---	---
	ECBA25-10CB ( <b>16Y42</b> )	230	8.8	30,000	3.9	53	---	60	---	---	---
	60A Circuit Breaker	240	9.6	32,700	3.9	55	---	60	---	---	---
<b>12.5 kW</b>	ECBA25-12.5CB ( <b>16Y43</b> )	208	9.4	32,000	3.9	42	19	<sup>4</sup> <b>45</b>	<sup>4</sup> <b>20</b>	61	70
	(1) 50A and	220	10.5	35,800	3.9	45	20	<sup>4</sup> <b>45</b>	<sup>4</sup> <b>20</b>	65	70
	(1) 25A Circuit Breaker	230	11.5	39,200	3.9	46	21	50	25	67	70
		240	12.5	42,600	3.9	48	22	50	25	70	70
<b>15 kW</b>	ECBA25-15CB ( <b>16Y44</b> )	208	10.8	36,900	3.9	48	22	<sup>4</sup> <b>50</b>	25	70	70
	(1) 60A and	220	12.1	41,300	3.9	51	23	60	25	74	80
	(1) 25A Circuit Breaker	230	13.2	45,100	3.9	53	24	60	25	77	80
		240	14.4	49,100	3.9	55	25	60	25	80	80

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

**ELECTRIC HEAT DATA**

**CBA25UHV-042 | SINGLE PHASE**

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b>	ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	6.9	27	---	30	---	---	---
		220	3.4	11,450	6.9	28	---	30	---	---	---
		230	3.7	12,550	6.9	29	---	30	---	---	---
		240	4.0	13,650	6.9	29	---	30	---	---	---
<b>5 kW</b>	ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	6.9	30	---	30	---	---	---
		220	4.0	13,800	6.9	32	---	<sup>4</sup> <b>35</b>	---	---	---
		230	4.4	15,000	6.9	33	---	<sup>4</sup> <b>35</b>	---	---	---
		240	4.8	16,400	6.9	34	---	<sup>4</sup> <b>35</b>	---	---	---
<b>7.5 kW</b>	ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	6.9	42	---	45	---	---	---
		220	6.3	21,500	6.9	44	---	45	---	---	---
		230	6.9	23,500	6.9	46	---	<sup>4</sup> <b>50</b>	---	---	---
		240	7.5	25,600	6.9	48	---	<sup>4</sup> <b>50</b>	---	---	---
<b>10 kW</b>	ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	6.9	52	---	60	---	---	---
		220	8.0	27,500	6.9	54	---	60	---	---	---
		230	8.8	30,000	6.9	57	---	60	---	---	---
		240	9.6	32,700	6.9	59	---	60	---	---	---
<b>12.5 kW</b>	ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	6.9	46	19	50	<sup>4</sup> <b>20</b>	65	70
		220	10.5	35,800	6.9	48	20	50	<sup>4</sup> <b>20</b>	68	70
		230	11.5	39,200	6.9	50	21	50	25	71	80
		240	12.5	42,600	6.9	52	22	<sup>4</sup> <b>60</b>	25	74	80
<b>15 kW</b>	ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	6.9	52	22	60	25	74	80
		220	12.1	41,300	6.9	54	23	60	25	77	80
		230	13.2	45,100	6.9	57	24	60	25	80	80
		240	14.4	49,100	6.9	59	25	60	25	84	90

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

## ELECTRIC HEAT DATA

## CBA25UHV-048 | CBA25UHV-060 | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	<sup>2</sup> Minimum Circuit Ampacity		<sup>3</sup> Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>2</sup> Minimum Circuit Ampacity	<sup>3</sup> Maximum Overcurrent Protection
<b>4 kW</b> ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	6.9	27	---	30	---	---	---
	220	3.4	11,450	6.9	28	---	30	---	---	---
	230	3.7	12,550	6.9	29	---	30	---	---	---
	240	4.0	13,650	6.9	29	---	30	---	---	---
<b>5 kW</b> ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	6.9	30	---	30	---	---	---
	220	4.0	13,800	6.9	32	---	<sup>4</sup> <b>35</b>	---	---	---
	230	4.4	15,000	6.9	33	---	<sup>4</sup> <b>35</b>	---	---	---
	240	4.8	16,400	6.9	34	---	<sup>4</sup> <b>35</b>	---	---	---
<b>7.5 kW</b> ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	6.9	42	---	45	---	---	---
	220	6.3	21,500	6.9	44	---	45	---	---	---
	230	6.9	23,500	6.9	46	---	<sup>4</sup> <b>50</b>	---	---	---
	240	7.5	25,600	6.9	48	---	<sup>4</sup> <b>50</b>	---	---	---
<b>10 kW</b> ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	6.9	52	---	60	---	---	---
	220	8.0	27,500	6.9	54	---	60	---	---	---
	230	8.8	30,000	6.9	57	---	60	---	---	---
	240	9.6	32,700	6.9	59	---	60	---	---	---
<b>12.5 kW</b> ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	6.9	46	19	50	<sup>4</sup> <b>20</b>	65	70
	220	10.5	35,800	6.9	48	20	50	<sup>4</sup> <b>20</b>	68	70
	230	11.5	39,200	6.9	50	21	50	25	71	80
	240	12.5	42,600	6.9	52	22	<sup>4</sup> <b>60</b>	25	74	80
<b>15 kW</b> ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	6.9	52	22	60	25	74	80
	220	12.1	41,300	6.9	54	23	60	25	77	80
	230	13.2	45,100	6.9	57	24	60	25	80	80
	240	14.4	49,100	6.9	59	25	60	25	84	90
<b>20 kW</b> ECBA25-20CB (16Y46) (1) 60A and (1) 50A Circuit Breaker	208	14.4	49,200	6.9	52	43	60	<sup>4</sup> <b>45</b>	95	100
	220	16.1	55,000	6.9	54	46	60	50	100	100
	230	17.6	60,100	6.9	57	48	60	50	104	110
	240	19.2	65,500	6.9	59	50	60	50	109	110

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

**ELECTRIC HEAT DATA**

**CBA27UHE-018 | SINGLE PHASE**

kW lbs.	Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
			Volts	kW	<sup>1</sup> Btuh			
<b>2.5 kW</b> 4 lbs.	ECB29-2.5 ( <b>19F02</b> ) Terminal Block	1	208	1.9	6,400	4.1	16	20
			220	2.1	7,200	4.1	18	20
			230	2.3	7,800	4.1	18	20
			240	2.5	8,500	4.1	18	20
<b>4 kW</b> 4 lbs.	ECB29-4 ( <b>19F03</b> ) Terminal Block ECB29-4CB ( <b>19F09</b> ) 30A Circuit breaker	1	208	3.0	10,250	4.1	23	<sup>4</sup> 25
			220	3.4	11,450	4.1	26	30
			230	3.7	12,550	4.1	26	30
			240	4.0	13,650	4.1	26	30
<b>5 kW</b> 4 lbs.	ECB29-5 ( <b>19F04</b> ) Terminal Block ECB29-5CB ( <b>19F12</b> ) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	<sup>4</sup> 30
			220	4.2	14,300	4.1	31	35
			230	4.6	15,700	4.1	31	35
			240	5.0	17,100	4.1	31	35
<b>6 kW</b> 4 lbs.	ECB29-6 ( <b>19F06</b> ) Terminal Block ECB29-6CB ( <b>19F14</b> ) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	<sup>4</sup> 35
			220	5.0	17,100	4.1	36	40
			230	5.5	18,800	4.1	36	40
			240	6.0	20,500	4.1	36	40
<b>8 kW</b> 5 lbs.	ECB29-8 ( <b>19F07</b> ) Terminal Block ECB29-8CB ( <b>19F15</b> ) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	<sup>4</sup> 45
			220	6.7	22,900	4.1	47	50
			230	7.3	25,100	4.1	47	50
			240	8.0	27,300	4.1	47	50
<b>9 kW</b> 5 lbs.	ECB29-9CB ( <b>19F16</b> ) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	<sup>4</sup> 50
			220	7.6	25,800	4.1	52	60
			230	8.3	28,200	4.1	52	60
			240	9.0	30,700	4.1	52	60
<b>10 kW</b> 6 lbs.	ECB29-10 ( <b>19F08</b> ) Terminal Block ECB29-10CB ( <b>19F18</b> ) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	<sup>4</sup> 50
			220	8.4	28,700	4.1	57	60
			230	9.2	31,400	4.1	57	60
			240	10.0	34,100	4.1	57	60

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA27UHE-024 | SINGLE PHASE**

	Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
			Volts	kW	<sup>1</sup> Btuh			
<b>4 kW</b> 4 lbs.	ECB29-4 ( <b>19F03</b> ) Terminal Block ECB29-4CB ( <b>19F09</b> ) 30A Circuit breaker	1	208	3.0	10,250	4.1	23	<sup>4</sup> 25
			220	3.4	11,450	4.1	26	30
			230	3.7	12,550	4.1	26	30
			240	4.0	13,650	4.1	26	30
<b>5 kW</b> 4 lbs.	ECB29-5 ( <b>19F04</b> ) Terminal Block ECB29-5CB ( <b>19F12</b> ) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	<sup>4</sup> 30
			220	4.2	14,300	4.1	31	35
			230	4.6	15,700	4.1	31	35
			240	5.0	17,100	4.1	31	35
<b>6 kW</b> 4 lbs.	ECB29-6 ( <b>19F06</b> ) Terminal Block ECB29-6CB ( <b>19F14</b> ) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	<sup>4</sup> 35
			220	5.0	17,100	4.1	36	40
			230	5.5	18,800	4.1	36	40
			240	6.0	20,500	4.1	36	40
<b>8 kW</b> 5 lbs.	ECB29-8 ( <b>19F07</b> ) Terminal Block ECB29-8CB ( <b>19F15</b> ) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	<sup>4</sup> 45
			220	6.7	22,900	4.1	47	50
			230	7.3	25,100	4.1	47	50
			240	8.0	27,300	4.1	47	50
<b>9 kW</b> 5 lbs.	ECB29-9CB ( <b>19F16</b> ) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	<sup>4</sup> 50
			220	7.6	25,800	4.1	52	60
			230	8.3	28,200	4.1	52	60
			240	9.0	30,700	4.1	52	60
<b>10 kW</b> 6 lbs.	ECB29-10 ( <b>19F08</b> ) Terminal Block ECB29-10CB ( <b>19F18</b> ) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	<sup>4</sup> 50
			220	8.4	28,700	4.1	57	60
			230	9.2	31,400	4.1	57	60
			240	10.0	34,100	4.1	57	60

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA27UHE-030 | SINGLE PHASE**

kW lbs.	Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
			Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>4 kW</b> 4 lbs.	ECB29-4 ( <b>19F03</b> ) Terminal Block ECB29-4CB ( <b>19F09</b> ) 30A Circuit breaker	1	208	3.0	10,250	4.1	23	---	<sup>4</sup> 25	---	---	---
			220	3.4	11,450	4.1	26	---	30	---	---	---
			230	3.7	12,550	4.1	26	---	30	---	---	---
			240	4.0	13,650	4.1	26	---	30	---	---	---
<b>5 kW</b> 4 lbs.	ECB29-5 ( <b>19F04</b> ) Terminal Block ECB29-5CB ( <b>19F12</b> ) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	---	<sup>4</sup> 30	---	---	---
			220	4.2	14,300	4.1	31	---	35	---	---	---
			230	4.6	15,700	4.1	31	---	35	---	---	---
			240	5.0	17,100	4.1	31	---	35	---	---	---
<b>6 kW</b> 4 lbs.	ECB29-6 ( <b>19F06</b> ) Terminal Block ECB29-6CB ( <b>19F14</b> ) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	---	<sup>4</sup> 35	---	---	---
			220	5.0	17,100	4.1	36	---	40	---	---	---
			230	5.5	18,800	4.1	36	---	40	---	---	---
			240	6.0	20,500	4.1	36	---	40	---	---	---
<b>8 kW</b> 5 lbs.	ECB29-8 ( <b>19F07</b> ) Terminal Block ECB29-8CB ( <b>19F15</b> ) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	---	<sup>4</sup> 45	---	---	---
			220	6.7	22,900	4.1	47	---	50	---	---	---
			230	7.3	25,100	4.1	47	---	50	---	---	---
			240	8.0	27,300	4.1	47	---	50	---	---	---
<b>9 kW</b> 5 lbs.	ECB29-9CB ( <b>19F16</b> ) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	---	<sup>4</sup> 50	---	---	---
			220	7.6	25,800	4.1	52	---	60	---	---	---
			230	8.3	28,200	4.1	52	---	60	---	---	---
			240	9.0	30,700	4.1	52	---	60	---	---	---
<b>10 kW</b> 6 lbs.	ECB29-10 ( <b>19F08</b> ) Terminal Block ECB29-10CB ( <b>19F18</b> ) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	---	<sup>4</sup> 50	---	---	---
			220	8.4	28,700	4.1	57	---	60	---	---	---
			230	9.2	31,400	4.1	57	---	60	---	---	---
			240	10.0	34,100	4.1	57	---	60	---	---	---
<b>12.5 kW</b> 10 lbs.	ECB29-12.5CB ( <b>19F19</b> ) (1) 30A Circuit breaker & (1) 45A Circuit breaker	2	208	9.4	32,000	4.1	24	38	<sup>4</sup> 25	<sup>4</sup> 40	62	70
			220	10.5	35,800	4.1	27	43	30	45	70	70
			230	11.5	39,200	4.1	27	43	30	45	70	70
			240	12.5	42,600	4.1	27	43	30	45	70	70
<b>15 kW</b> 12 lbs.	ECB29-15CB ( <b>19F20</b> ) (1) 35A Circuit breaker & (1) 60A Circuit Breaker	2	208	11.3	38,400	4.1	28	45	<sup>4</sup> 30	<sup>4</sup> 45	73	80
			220	12.6	43,000	4.1	31	52	35	60	83	90
			230	13.8	47,000	4.1	31	52	35	60	83	90
			240	15.0	51,200	4.1	31	52	35	60	83	90

**THREE PHASE**

<b>8 kW</b> 5 lbs.	ECB29-8 ( <b>19F24</b> ) Terminal Block	1	208	6.0	20,500	4.1	26	---	30	---	---	---
			220	6.7	22,900	4.1	29	---	30	---	---	---
			230	7.3	25,100	4.1	29	---	30	---	---	---
			240	8.0	27,300	4.1	29	---	30	---	---	---
<b>10 kW</b> 6 lbs.	ECB29-10 ( <b>19F27</b> ) Terminal Block	1	208	7.5	25,600	4.1	31	---	35	---	---	---
			220	8.4	28,700	4.1	35	---	35	---	---	---
			230	9.2	31,400	4.1	35	---	35	---	---	---
			240	10.0	34,100	4.1	35	---	35	---	---	---
<b>15 kW</b> 12 lbs.	ECB29-15CB ( <b>19F28</b> ) (1) 50A Circuit breaker	1	208	11.3	38,400	4.1	44	---	45	---	---	---
			220	12.6	43,000	4.1	50	---	50	---	---	---
			230	13.5	47,000	4.1	50	---	50	---	---	---
			240	15.0	51,200	4.1	50	---	50	---	---	---

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA27UHE-036 | SINGLE PHASE**

Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>4 kW</b> 4 lbs. ECB29-4 (19F03) Terminal Block ECB29-4CB (19F09) 30A Circuit breaker	1	208	3.0	10,250	4.1	23	---	<sup>4</sup> 25	---	---	---
		220	3.4	11,450	4.1	26	---	30	---	---	---
		230	3.7	12,550	4.1	26	---	30	---	---	---
		240	4.0	13,650	4.1	26	---	30	---	---	---
<b>5 kW</b> 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	---	<sup>4</sup> 30	---	---	---
		220	4.2	14,300	4.1	31	---	35	---	---	---
		230	4.6	15,700	4.1	31	---	35	---	---	---
		240	5.0	17,100	4.1	31	---	35	---	---	---
<b>6 kW</b> 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	---	<sup>4</sup> 35	---	---	---
		220	5.0	17,100	4.1	36	---	40	---	---	---
		230	5.5	18,800	4.1	36	---	40	---	---	---
		240	6.0	20,500	4.1	36	---	40	---	---	---
<b>8 kW</b> 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	---	<sup>4</sup> 45	---	---	---
		220	6.7	22,900	4.1	47	---	50	---	---	---
		230	7.3	25,100	4.1	47	---	50	---	---	---
		240	8.0	27,300	4.1	47	---	50	---	---	---
<b>9 kW</b> 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	---	<sup>4</sup> 50	---	---	---
		220	7.6	25,800	4.1	52	---	60	---	---	---
		230	8.3	28,200	4.1	52	---	60	---	---	---
		240	9.0	30,700	4.1	52	---	60	---	---	---
<b>10 kW</b> 6 lbs. ECB29-10 (19F08) Terminal Block ECB29-10CB (19F18) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	---	<sup>4</sup> 50	---	---	---
		220	8.4	28,700	4.1	57	---	60	---	---	---
		230	9.2	31,400	4.1	57	---	60	---	---	---
		240	10.0	34,100	4.1	57	---	60	---	---	---
<b>12.5 kW</b> 10 lbs. ECB29-12.5CB (19F19) (1) 30A Circuit breaker and (1) 45A Circuit breaker	2	208	9.4	32,000	4.1	24	38	<sup>4</sup> 25	<sup>4</sup> 40	62	70
		220	10.5	35,800	4.1	27	43	30	45	70	70
		230	11.5	39,200	4.1	27	43	30	45	70	70
		240	12.5	42,600	4.1	27	43	30	45	70	70
<b>15 kW</b> 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker and (1) 60A Circuit Breaker	2	208	11.3	38,400	4.1	28	45	<sup>4</sup> 30	<sup>4</sup> 45	73	80
		220	12.6	43,000	4.1	31	52	35	60	83	90
		230	13.8	47,000	4.1	31	52	35	60	83	90
		240	15.0	51,200	4.1	31	52	35	60	83	90
<b>20 kW</b> 19 lbs. ECB29-20CB (19F21) (1) 60A Circuit breaker and (1) 60A Circuit Breaker	2	208	15.0	51,200	4.1	46	50	<sup>4</sup> 50	<sup>4</sup> 50	96	100
		220	16.8	57,300	4.1	52	57	60	60	109	125
		230	18.4	62,700	4.1	52	57	60	60	109	125
		240	20.0	68,200	4.1	52	57	60	60	109	125

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA27UHE-036 | THREE PHASE**

Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>8 kW</b> 5 lbs. ECB29-8 (19F24) Terminal Block	1	208	6.0	20,500	4.1	26	---	30	---	---	---
		220	6.7	22,900	4.1	29	---	30	---	---	---
		230	7.3	25,100	4.1	29	---	30	---	---	---
		240	8.0	27,300	4.1	29	---	30	---	---	---
<b>10 kW</b> 6 lbs. ECB29-10 (19F27) Terminal Block	1	208	7.5	25,600	4.1	31	---	35	---	---	---
		220	8.4	28,700	4.1	35	---	35	---	---	---
		230	9.2	31,400	4.1	35	---	35	---	---	---
		240	10.0	34,100	4.1	35	---	35	---	---	---
ECB29-10 (19F31) (3) 20A Fuses	1	440	8.4	28,700	2.1	16	---	20	---	---	---
		460	9.2	31,400	2.1	17	---	20	---	---	---
		480	10.0	34,100	2.1	17	---	20	---	---	---
<b>15 kW</b> 12 lbs. ECB29-15CB (19F28) (1) 50A Circuit breaker	1	208	11.3	38,400	4.1	44	---	<sup>4</sup> 45	---	---	---
		220	12.6	43,000	4.1	50	---	50	---	---	---
		230	13.5	47,000	4.1	50	---	50	---	---	---
		240	15.0	51,200	4.1	50	---	50	---	---	---
ECB29-15 (19F32) (3) 25A Fuses	1	440	12.6	43,000	2.1	23	---	25	---	---	---
		460	13.5	47,000	2.1	24	---	25	---	---	---
		480	15.0	51,200	2.1	25	---	30	---	---	---
<b>20 kW</b> 19 lbs. ECB29-20CB (19F29) (2) 35A Circuit breaker	2	208	15.0	51,200	4.1	31	26	35	<sup>4</sup> 30	57	60
		220	16.8	57,300	4.1	35	30	35	<sup>4</sup> 30	65	70
		230	18.4	62,700	4.1	35	30	35	<sup>4</sup> 30	65	70
		240	20.0	68,200	4.1	35	30	35	<sup>4</sup> 30	65	70

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.



**ELECTRIC HEAT DATA**

**CBA27UHE-042 | SINGLE PHASE**

Electric Heat Model Number	No. of Stages	Volts Input	kW Input	1 Btuh Input	2 Blower Motor Full Load Amps	3 Minimum Circuit Ampacity			5 Maximum Overcurrent Protection			Single Point Power Source	
						Ckt 1	Ckt 2	Ckt 3	Ckt 1	Ckt 2	Ckt 3	3 Minimum Circuit Ampacity	5 Maximum Overcurrent Protection
4 kW 4 lbs. ECB29-4 (19F03) Terminal Block ECB29-4CB (19F09) 30A Circuit breaker	1	208	3.0	10,250	7.6	28	---	---	30	---	---	---	---
		220	3.4	11,450	7.6	30	---	---	30	---	---	---	---
		230	3.7	12,550	7.6	30	---	---	30	---	---	---	---
		240	4.0	13,650	7.6	30	---	---	30	---	---	---	---
5 kW 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	7.6	32	---	---	35	---	---	---	---
		220	4.2	14,300	7.6	36	---	---	40	---	---	---	---
		230	4.6	15,700	7.6	36	---	---	40	---	---	---	---
		240	5.0	17,100	7.6	36	---	---	40	---	---	---	---
6 kW 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	7.6	37	---	---	40	---	---	---	---
		220	5.0	17,100	7.6	41	---	---	45	---	---	---	---
		230	5.5	18,800	7.6	41	---	---	45	---	---	---	---
		240	6.0	20,500	7.6	41	---	---	45	---	---	---	---
8 kW 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	7.6	46	---	---	50	---	---	---	---
		220	6.7	22,900	7.6	51	---	---	60	---	---	---	---
		230	7.3	25,100	7.6	51	---	---	60	---	---	---	---
		240	8.0	27,300	7.6	51	---	---	60	---	---	---	---
9 kW 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	7.6	50	---	---	50	---	---	---	---
		220	7.6	25,800	7.6	56	---	---	60	---	---	---	---
		230	8.3	28,200	7.6	56	---	---	60	---	---	---	---
		240	9.0	30,700	7.6	56	---	---	60	---	---	---	---
12.5 kW 10 lbs. ECB29-12.5CB (19F19) (1) 30A Circuit breaker and (1) 45A Circuit breaker	2	208	9.4	32,000	7.6	28	38	---	30	40	---	66	80
		220	10.5	35,800	7.6	31	43	---	35	45	---	75	80
		230	11.5	39,200	7.6	31	43	---	35	45	---	75	80
		240	12.5	42,600	7.6	31	43	---	35	45	---	75	80
15 kW 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker and (1) 60A Circuit breaker	2	208	11.3	38,400	7.6	32	45	---	35	45	---	77	80
		220	12.6	43,000	7.6	36	52	---	40	60	---	88	90
		230	13.5	47,000	7.6	36	52	---	40	60	---	88	90
		240	15.0	51,200	7.6	36	52	---	40	60	---	88	90
20 kW 19 lbs. ECB29-20CB (19F21) (1) 60A Circuit breaker and (1) 60A Circuit breaker	2	208	15.0	51,200	7.6	50	50	---	50	50	---	100	125
		220	16.8	57,300	7.6	56	57	---	60	60	---	114	125
		230	18.4	62,700	7.6	56	57	---	60	60	---	114	125
		240	20.0	68,200	7.6	56	57	---	60	60	---	114	125
25 kW 19 lbs. ECB29-25CB (19F22) (1) 60A Circuit breaker and (2) 45A Circuit breakers	3	208	18.8	64,100	7.6	47	38	38	50	40	40	123	125
		220	21.0	71,700	7.6	53	43	43	60	45	45	140	150
		230	23.0	78,300	7.6	53	43	43	60	45	45	140	150
		240	25.0	85,300	7.6	53	43	43	60	45	45	140	150

1 Electric heater capacity only - does not include additional blower motor heat capacity.

2 Amps shown are for blower motor only.

3 Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

4 Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.

5 HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA27UHE-042 | THREE PHASE**

Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>8 kW</b> 5 lbs. ECB29-8 (19F24) Terminal block	1	208	6.0	20,500	7.6	30	---	30	---	---	---
		220	6.7	22,900	7.6	33	---	35	---	---	---
		230	7.3	25,100	7.6	33	---	35	---	---	---
		240	8.0	27,300	7.6	33	---	35	---	---	---
<b>10 kW</b> 6 lbs. ECB29-10 (19F27) Terminal Block	1	208	7.5	25,600	7.6	36	---	40	---	---	---
		220	8.4	28,700	7.6	40	---	40	---	---	---
		230	9.2	31,400	7.6	40	---	40	---	---	---
		240	10.0	34,100	7.6	40	---	40	---	---	---
<b>15 kW</b> 12 lbs. ECB29-15CB (19F28) 50A Circuit breaker	1	208	11.3	38,400	7.6	49	---	50	---	---	---
		220	12.6	43,000	7.6	55	---	<sup>4</sup> 60	---	---	---
		230	13.5	47,000	7.6	55	---	<sup>4</sup> 60	---	---	---
		240	15.0	51,200	7.6	55	---	<sup>4</sup> 60	---	---	---
<b>20 kW</b> 19 lbs. ECB29-20CB (19F29) (2) 35A Circuit breaker	2	208	15.0	51,200	7.6	36	26	<sup>4</sup> 40	<sup>4</sup> 30	62	70
		220	16.8	57,300	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
		230	18.4	62,700	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
		240	20.0	68,200	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
<b>25 kW</b> 19 lbs. ECB29-25CB (19F30) (2) 45A Circuit breaker	2	208	18.8	64,100	7.6	42	33	<sup>4</sup> 50	<sup>4</sup> 35	62	70
		220	21.0	71,700	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
		230	23.0	78,300	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
		240	25.0	85,300	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

<sup>6</sup> Blower motor is rated at 460V.

**ELECTRIC HEAT DATA**

**CBA27UHE-048 | SINGLE PHASE**

Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity			<sup>5</sup> Maximum Overcurrent Protection			Single Point Power Source	
		Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 3	Ckt 1	Ckt 2	Ckt 3	3 Minimum Circuit Ampacity	5 Maximum Overcurrent Protection
<b>4 kW</b> 4 lbs. ECB29-4 (19F03) Terminal Block ECB29-4CB (19F09) 30A Circuit breaker	1	208	3.0	10,250	7.6	28	---	---	30	---	---	---	---
		220	3.4	11,450	7.6	30	---	---	30	---	---	---	---
		230	3.7	12,550	7.6	30	---	---	30	---	---	---	---
		240	4.0	13,650	7.6	30	---	---	30	---	---	---	---
<b>5 kW</b> 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	7.6	32	---	---	35	---	---	---	---
		220	4.2	14,300	7.6	36	---	---	<sup>4</sup> 40	---	---	---	---
		230	4.6	15,700	7.6	36	---	---	<sup>4</sup> 40	---	---	---	---
		240	5.0	17,100	7.6	36	---	---	<sup>4</sup> 40	---	---	---	---
<b>6 kW</b> 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	7.6	37	---	---	40	---	---	---	---
		220	5.0	17,100	7.6	41	---	---	<sup>4</sup> 45	---	---	---	---
		230	5.5	18,800	7.6	41	---	---	<sup>4</sup> 45	---	---	---	---
		240	6.0	20,500	7.6	41	---	---	<sup>4</sup> 45	---	---	---	---
<b>8 kW</b> 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	7.6	46	---	---	50	---	---	---	---
		220	6.7	22,900	7.6	51	---	---	<sup>4</sup> 60	---	---	---	---
		230	7.3	25,100	7.6	51	---	---	<sup>4</sup> 60	---	---	---	---
		240	8.0	27,300	7.6	51	---	---	<sup>4</sup> 60	---	---	---	---
<b>9 kW</b> 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	7.6	50	---	---	<sup>4</sup> 50	---	---	---	---
		220	7.6	25,800	7.6	56	---	---	60	---	---	---	---
		230	8.3	28,200	7.6	56	---	---	60	---	---	---	---
		240	9.0	30,700	7.6	56	---	---	60	---	---	---	---
<b>12.5 kW</b> 10 lbs. ECB29-12.5CB (19F19) (1) 30A Circuit breaker & (1) 45A Circuit breaker	2	208	9.4	32,000	7.6	28	38	---	30	<sup>4</sup> 40	---	66	70
		220	10.5	35,800	7.6	31	43	---	<sup>4</sup> 35	45	---	75	80
		230	11.5	39,200	7.6	31	43	---	<sup>4</sup> 35	45	---	75	80
		240	12.5	42,600	7.6	31	43	---	<sup>4</sup> 35	45	---	75	80
<b>15 kW</b> 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker & (1) 60A Circuit breaker	2	208	11.3	38,400	7.6	32	45	---	35	<sup>4</sup> 45	---	77	80
		220	12.6	43,000	7.6	36	52	---	<sup>4</sup> 40	60	---	88	90
		230	13.5	47,000	7.6	36	52	---	<sup>4</sup> 40	60	---	88	90
		240	15.0	51,200	7.6	36	52	---	<sup>4</sup> 40	60	---	88	90
<b>20 kW</b> 19 lbs. ECB29-20CB (19F21) (1) 60A Circuit breaker & (1) 60A Circuit breaker	2	208	15.0	51,200	7.6	50	50	---	<sup>4</sup> 50	<sup>4</sup> 50	---	100	125
		220	16.8	57,300	7.6	56	57	---	60	60	---	114	125
		230	18.4	62,700	7.6	56	57	---	60	60	---	114	125
		240	20.0	68,200	7.6	56	57	---	60	60	---	114	125
<b>25 kW</b> 19 lbs. ECB29-25CB (19F22) (1) 60A Circuit breaker & (2) 45A Circuit breakers	3	208	18.8	64,100	7.6	47	38	38	<sup>4</sup> 50	<sup>4</sup> 40	<sup>4</sup> 40	123	125
		220	21.0	71,700	7.6	53	43	43	60	45	45	140	150
		230	23.0	78,300	7.6	53	43	43	60	45	45	140	150
		240	25.0	85,300	7.6	53	43	43	60	45	45	140	150

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA27UHE-048 | THREE PHASE**

Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>8 kW</b> 5 lbs. ECB29-8 (19F24) Terminal block	1	208	6.0	20,500	7.6	30	---	30	---	---	---
		220	6.7	22,900	7.6	33	---	35	---	---	---
		230	7.3	25,100	7.6	33	---	35	---	---	---
		240	8.0	27,300	7.6	33	---	35	---	---	---
<b>10 kW</b> 6 lbs. ECB29-10 (19F27) Terminal Block	1	208	7.5	25,600	7.6	36	---	40	---	---	---
		220	8.4	28,700	7.6	40	---	40	---	---	---
		230	9.2	31,400	7.6	40	---	40	---	---	---
		240	10.0	34,100	7.6	40	---	40	---	---	---
ECB29-10 (19F31) (3) 20A Fuses	1	440	8.4	28,700	4.0	18	---	20	---	---	---
		460	9.2	31,400	4.0	19	---	20	---	---	---
		480	10.0	34,100	4.0	20	---	25	---	---	---
<b>15 kW</b> 12 lbs. ECB29-15CB (19F28) 50A Circuit breaker	1	208	11.3	38,400	7.6	49	---	50	---	---	---
		220	12.6	43,000	7.6	55	---	<sup>4</sup> 60	---	---	---
		230	13.5	47,000	7.6	55	---	<sup>4</sup> 60	---	---	---
		240	15.0	51,200	7.6	55	---	<sup>4</sup> 60	---	---	---
ECB29-15 (19F32) (3) 25A Fuses	1	440	12.6	43,000	4.0	25	---	30	---	---	---
		460	13.5	47,000	4.0	26	---	30	---	---	---
		480	15.0	51,200	4.0	27	---	30	---	---	---
<b>20 kW</b> 19 lbs. ECB29-20CB (19F29) (2) 35A Circuit breaker	2	208	15.0	51,200	7.6	36	26	<sup>4</sup> 40	<sup>4</sup> 30	62	70
		220	16.8	57,300	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
		230	18.4	62,700	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
		240	20.0	68,200	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
ECB29-20 (19F33) (3) 35A Fuses	1	440	16.8	57,300	4.0	33	---	35	---	---	---
		460	18.4	62,700	4.0	34	---	35	---	---	---
		480	20.0	68,200	4.0	35	---	40	---	---	---
<sup>6</sup> ECB29-20 (19F35) (3) 25A Fuses	1	550	16.8	57,300	4.0	27	---	30	---	---	---
		575	18.4	62,700	4.0	28	---	30	---	---	---
		600	20.0	68,200	4.0	29	---	30	---	---	---
<b>25 kW</b> 19 lbs. ECB29-25CB (19F30) (2) 45A Circuit breaker	2	208	18.8	64,100	7.6	42	33	<sup>4</sup> 50	<sup>4</sup> 35	75	80
		220	21.0	71,700	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
		230	23.0	78,300	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
		240	25.0	85,300	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
ECB29-25 (19F34) (3) 40A Fuses	1	440	21.0	71,700	4.0	39	---	40	---	---	---
		460	23.0	78,300	4.0	41	---	45	---	---	---
		480	25.0	85,300	4.0	42	---	45	---	---	---
<sup>6</sup> ECB29-25 (19F36) (3) 35A Fuses	1	550	21.0	71,700	4.0	32	---	35	---	---	---
		575	23.0	78,300	4.0	34	---	35	---	---	---
		600	25.0	85,300	4.0	35	---	40	---	---	---

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

<sup>6</sup> Blower motor is rated at 460V.

**ELECTRIC HEAT DATA**

**CBA27UHE-060 | SINGLE PHASE**

Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity			<sup>5</sup> Maximum Overcurrent Protection			Single Point Power Source	
		Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 3	Ckt 1	Ckt 2	Ckt 3	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>4 kW</b> 4 lbs. ECB29-4 (19F03) Terminal Block ECB29-4CB (19F09) 30A Circuit breaker	1	208	3.0	10,250	7.6	28	---	---	30	---	---	---	---
		220	3.4	11,450	7.6	30	---	---	30	---	---	---	---
		230	3.7	12,550	7.6	30	---	---	30	---	---	---	---
		240	4.0	13,650	7.6	30	---	---	30	---	---	---	---
<b>5 kW</b> 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	7.6	32	---	---	35	---	---	---	---
		220	4.2	14,300	7.6	36	---	---	<sup>4</sup> 40	---	---	---	---
		230	4.6	15,700	7.6	36	---	---	<sup>4</sup> 40	---	---	---	---
		240	5.0	17,100	7.6	36	---	---	<sup>4</sup> 40	---	---	---	---
<b>6 kW</b> 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	7.6	37	---	---	40	---	---	---	---
		220	5.0	17,100	7.6	41	---	---	<sup>4</sup> 45	---	---	---	---
		230	5.5	18,800	7.6	41	---	---	<sup>4</sup> 45	---	---	---	---
		240	6.0	20,500	7.6	41	---	---	<sup>4</sup> 45	---	---	---	---
<b>8 kW</b> 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	7.6	46	---	---	50	---	---	---	---
		220	6.7	22,900	7.6	51	---	---	<sup>4</sup> 60	---	---	---	---
		230	7.3	25,100	7.6	51	---	---	<sup>4</sup> 60	---	---	---	---
		240	8.0	27,300	7.6	51	---	---	<sup>4</sup> 60	---	---	---	---
<b>9 kW</b> 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	7.6	50	---	---	<sup>4</sup> 50	---	---	---	---
		220	7.6	25,800	7.6	56	---	---	60	---	---	---	---
		230	8.3	28,200	7.6	56	---	---	60	---	---	---	---
		240	9.0	30,700	7.6	56	---	---	60	---	---	---	---
<b>12.5 kW</b> 10 lbs. ECB29-12.5CB (19F19) (1) 30A Circuit breaker & (1) 45A Circuit breaker	2	208	9.4	32,000	7.6	28	38	---	30	<sup>4</sup> 40	---	66	70
		220	10.5	35,800	7.6	31	43	---	<sup>4</sup> 35	45	---	75	80
		230	11.5	39,200	7.6	31	43	---	<sup>4</sup> 35	45	---	75	80
		240	12.5	42,600	7.6	31	43	---	<sup>4</sup> 35	45	---	75	80
<b>15 kW</b> 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker & (1) 60A Circuit breaker	2	208	11.3	38,400	7.6	32	45	---	35	<sup>4</sup> 45	---	77	80
		220	12.6	43,000	7.6	36	52	---	<sup>4</sup> 40	60	---	88	90
		230	13.5	47,000	7.6	36	52	---	<sup>4</sup> 40	60	---	88	90
		240	15.0	51,200	7.6	36	52	---	<sup>4</sup> 40	60	---	88	90
<b>20 kW</b> 19 lbs. ECB29-20CB (19F21) (1) 60A Circuit breaker & (1) 60A Circuit breaker	2	208	15.0	51,200	7.6	50	50	---	<sup>4</sup> 50	<sup>4</sup> 50	---	100	125
		220	16.8	57,300	7.6	56	57	---	60	60	---	114	125
		230	18.4	62,700	7.6	56	57	---	60	60	---	114	125
		240	20.0	68,200	7.6	56	57	---	60	60	---	114	125
<b>25 kW</b> 19 lbs. ECB29-25CB (19F22) (1) 60A Circuit breaker & (2) 45A Circuit breakers	3	208	18.8	64,100	7.6	47	38	38	<sup>4</sup> 50	<sup>4</sup> 40	<sup>4</sup> 40	123	125
		220	21.0	71,700	7.6	53	43	43	60	45	45	140	150
		230	23.0	78,300	7.6	53	43	43	60	45	45	140	150
		240	25.0	85,300	7.6	53	43	43	60	45	45	140	150

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA27UHE-060 | THREE PHASE**

Electric Heat Model Number	No. of Stages	Input			<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	<sup>1</sup> Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>8 kW</b> 5 lbs. ECB29-8 (19F24) Terminal block	1	208	6.0	20,500	7.6	30	---	30	---	---	---
		220	6.7	22,900	7.6	33	---	35	---	---	---
		230	7.3	25,100	7.6	33	---	35	---	---	---
		240	8.0	27,300	7.6	33	---	35	---	---	---
<b>10 kW</b> 6 lbs. ECB29-10 (19F27) Terminal Block	1	208	7.5	25,600	7.6	36	---	40	---	---	---
		220	8.4	28,700	7.6	40	---	40	---	---	---
		230	9.2	31,400	7.6	40	---	40	---	---	---
		240	10.0	34,100	7.6	40	---	40	---	---	---
ECB29-10 (19F31) (3) 20A Fuses	1	440	8.4	28,700	4.0	18	---	20	---	---	---
		460	9.2	31,400	4.0	19	---	20	---	---	---
		480	10.0	34,100	4.0	20	---	25	---	---	---
<b>15 kW</b> 12 lbs. ECB29-15CB (19F28) 50A Circuit breaker	1	208	11.3	38,400	7.6	49	---	50	---	---	---
		220	12.6	43,000	7.6	55	---	<sup>4</sup> 60	---	---	---
		230	13.5	47,000	7.6	55	---	<sup>4</sup> 60	---	---	---
		240	15.0	51,200	7.6	55	---	<sup>4</sup> 60	---	---	---
ECB29-15 (19F32) (3) 25A Fuses	1	440	12.6	43,000	4.0	25	---	30	---	---	---
		460	13.5	47,000	4.0	26	---	30	---	---	---
		480	15.0	51,200	4.0	27	---	30	---	---	---
<b>20 kW</b> 19 lbs. ECB29-20CB (19F29) (2) 35A Circuit breaker	2	208	15.0	51,200	7.6	36	26	<sup>4</sup> 40	<sup>4</sup> 30	62	70
		220	16.8	57,300	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
		230	18.4	62,700	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
		240	20.0	68,200	7.6	40	30	<sup>4</sup> 40	<sup>4</sup> 30	70	70
ECB29-20 (19F33) (3) 35A Fuses	1	440	16.8	57,300	4.0	33	---	35	---	---	---
		460	18.4	62,700	4.0	34	---	35	---	---	---
		480	20.0	68,200	4.0	35	---	40	---	---	---
<sup>6</sup> ECB29-20 (19F35) (3) 25A Fuses	1	550	16.8	57,300	4.0	27	---	30	---	---	---
		575	18.4	62,700	4.0	28	---	30	---	---	---
		600	20.0	68,200	4.0	29	---	30	---	---	---
<b>25 kW</b> 19 lbs. ECB29-25CB (19F30) (2) 45A Circuit breaker	2	208	18.8	64,100	7.6	42	33	45	<sup>4</sup> 35	75	80
		220	21.0	71,700	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
		230	23.0	78,300	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
		240	25.0	85,300	7.6	47	38	<sup>4</sup> 50	<sup>4</sup> 40	85	90
ECB29-25 (19F34) (3) 40A Fuses	1	440	21.0	71,700	4.0	39	---	40	---	---	---
		460	23.0	78,300	4.0	41	---	45	---	---	---
		480	25.0	85,300	4.0	42	---	45	---	---	---
<sup>6</sup> ECB29-25 (19F36) (3) 35A Fuses	1	550	21.0	71,700	4.0	32	---	35	---	---	---
		575	23.0	78,300	4.0	34	---	35	---	---	---
		600	25.0	85,300	4.0	35	---	40	---	---	---

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

<sup>6</sup> Blower motor is rated at 460V.

## ELECTRIC HEAT DATA

## CBA38MV-018/024 | SINGLE PHASE

	Model Number	No. of Stages	Volts Input	kW Input	<sup>1</sup> Btuh Input	<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
4 kW 4 lbs.	ECB38-4 (16V86) Terminal Block ECB38-4CB (16V87) 30A Circuit breaker	1	208	3.0	10,250	3.9	23	<sup>4</sup> 25
			220	3.4	11,450	4.0	24	<sup>4</sup> 25
			230	3.7	12,550	4.0	25	<sup>4</sup> 25
			240	4.0	13,650	4.0	26	30
5 kW 4 lbs.	ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	4.0	28	<sup>4</sup> 30
			220	4.2	14,300	4.0	29	<sup>4</sup> 30
			230	4.6	15,700	4.0	30	<sup>4</sup> 30
			240	5.0	17,100	4.0	31	35
6 kW 4 lbs.	ECB38-6 (16V90) Terminal Block ECB38-6CB (16V91) 40A Circuit breaker	1	208	4.5	15,400	4.0	32	<sup>4</sup> 35
			220	5.0	17,100	4.0	33	<sup>4</sup> 35
			230	5.5	18,800	4.0	35	<sup>4</sup> 35
			240	6.0	20,500	4.0	36	40
8 kW 5 lbs.	ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	4.0	41	<sup>4</sup> 45
			220	6.7	22,900	4.0	43	<sup>4</sup> 45
			230	7.3	25,100	4.0	45	<sup>4</sup> 45
			240	8.0	27,300	4.0	47	50
9 kW 5 lbs.	ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	4.0	46	<sup>4</sup> 50
			220	7.6	25,800	4.0	48	<sup>4</sup> 50
			230	8.3	28,200	4.0	50	<sup>4</sup> 50
			240	9.0	30,700	4.0	52	60

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

## ELECTRIC HEAT DATA

## CBA38MV-030 | SINGLE PHASE

Model Number	No. of Stages	Volts Input	kW Input	<sup>1</sup> Btuh Input	<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
						Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
4 kW 4 lbs. ECB38-4 (16V86) Terminal Block ECB38-4CB (16V87) 30A Circuit breaker	1	208	3.0	10,250	3.9	23	---	<b><sup>4</sup>25</b>	---	23	25
		220	3.4	11,450	3.9	24	---	<b><sup>4</sup>25</b>	---	24	25
		230	3.7	12,550	3.9	25	---	<b><sup>4</sup>25</b>	---	25	25
		240	4.0	13,650	3.9	26	---	30	---	26	30
5 kW 4 lbs. ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	3.9	28	---	<b><sup>4</sup>30</b>	---	28	30
		220	4.2	14,300	3.9	29	---	<b><sup>4</sup>30</b>	---	29	30
		230	4.6	15,700	3.9	30	---	<b><sup>4</sup>30</b>	---	30	30
		240	5.0	17,100	3.9	31	---	35	---	31	35
6 kW 4 lbs. ECB38-6 (16V90) Terminal Block ECB38-6CB (16V91) 40A Circuit breaker	1	208	4.5	15,400	3.9	32	---	<b><sup>4</sup>35</b>	---	32	35
		220	5.0	17,100	3.9	33	---	<b><sup>4</sup>35</b>	---	33	35
		230	5.5	18,800	3.9	35	---	<b><sup>4</sup>35</b>	---	35	35
		240	6.0	20,500	3.9	36	---	40	---	36	40
8 kW 5 lbs. ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	3.9	41	---	<b><sup>4</sup>45</b>	---	41	45
		220	6.7	22,900	3.9	43	---	<b><sup>4</sup>45</b>	---	43	45
		230	7.3	25,100	3.9	45	---	<b><sup>4</sup>45</b>	---	45	45
		240	8.0	27,300	3.9	47	---	50	---	47	50
9 kW 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	3.9	46	---	<b><sup>4</sup>50</b>	---	46	50
		220	7.6	25,800	3.9	48	---	<b><sup>4</sup>50</b>	---	48	50
		230	8.3	28,200	3.9	50	---	<b><sup>4</sup>50</b>	---	50	50
		240	9.0	30,700	3.9	52	---	60	---	52	60
12.5 kW 10 lbs. ECB38-12.5CB (16V95) (1) 30A and (1) 45A Circuit breaker	2	208	9.4	32,000	3.9	24	38	<b><sup>4</sup>25</b>	<b><sup>4</sup>40</b>	61	70
		220	10.5	35,800	3.9	25	40	<b><sup>4</sup>25</b>	<b><sup>4</sup>40</b>	65	70
		230	11.5	39,200	3.9	26	42	30	45	67	70
		240	12.5	42,600	3.9	27	44	30	45	71	80
15 kW 12 lbs. ECB38-15CB (16V96) (1) 35A and (1) 60A Circuit breaker	2	208	11.3	38,400	3.9	28	45	<b><sup>4</sup>30</b>	<b><sup>4</sup>45</b>	72	80
		220	12.6	43,000	3.9	29	48	<b><sup>4</sup>30</b>	<b><sup>4</sup>50</b>	76	80
		230	13.8	47,000	3.9	30	50	<b><sup>4</sup>30</b>	<b><sup>4</sup>50</b>	80	80
		240	15.0	51,200	3.9	31	52	35	60	83	90

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.



## ELECTRIC HEAT DATA

## CBA38MV-036 | SINGLE PHASE

Model Number	No. of Stages	Volts Input	kW Input	<sup>1</sup> Btuh Input	<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
						Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
5 kW 4 lbs. ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	5.2	29	---	<sup>4</sup> 30	---	29	30
		220	4.2	14,300	5.2	30	---	<sup>4</sup> 30	---	30	35
		230	4.6	15,700	5.2	32	---	35	---	32	35
		240	5.0	17,100	5.2	33	---	35	---	33	35
6 kW 4 lbs. ECB38-6 (16V90) Terminal Block ECB38-6CB (16V91) 40A Circuit breaker	1	208	4.5	15,400	5.2	34	---	<sup>4</sup> 35	---	34	35
		220	5.0	17,100	5.2	35	---	<sup>4</sup> 35	---	35	35
		230	5.5	18,800	5.2	36	---	40	---	36	40
		240	6.0	20,500	5.2	38	---	40	---	38	40
8 kW 5 lbs. ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	5.2	43	---	<sup>4</sup> 45	---	43	45
		220	6.7	22,900	5.2	45	---	<sup>4</sup> 45	---	45	45
		230	7.3	25,100	5.2	46	---	50	---	46	50
		240	8.0	27,300	5.2	48	---	50	---	48	50
9 kW 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	5.2	47	---	<sup>4</sup> 50	---	47	50
		220	7.6	25,800	5.2	50	---	<sup>4</sup> 50	---	50	50
		230	8.3	28,200	5.2	52	---	60	---	52	60
		240	9.0	30,700	5.2	53	---	60	---	53	60
12.5 kW 10 lbs. ECB38-12.5CB (16V95) (1) 30A and (1) 45A Circuit breaker	2	208	9.4	32,000	5.2	25	38	<sup>4</sup> 25	<sup>4</sup> 40	63	70
		220	10.5	35,800	5.2	26	40	30	<sup>4</sup> 40	66	70
		230	11.5	39,200	5.2	27	42	30	45	69	70
		240	12.5	42,600	5.2	28	44	30	45	72	80
15 kW 12 lbs. ECB38-15CB (16V96) (1) 35A and (1) 60A Circuit breaker	2	208	11.3	38,400	5.2	29	45	<sup>4</sup> 30	<sup>4</sup> 45	74	80
		220	12.6	43,000	5.2	30	48	<sup>4</sup> 30	<sup>4</sup> 50	78	80
		230	13.8	47,000	5.2	32	50	35	<sup>4</sup> 50	82	90
		240	15.0	51,200	5.2	33	52	35	60	85	90
20 kW 19 lbs. ECB38-20CB (16V97) (2) 60A Circuit breaker	2	208	15.0	51,200	5.2	47	50	<sup>4</sup> 50	<sup>4</sup> 50	97	100
		220	16.8	57,300	5.2	49	53	<sup>4</sup> 50	60	102	110
		230	18.4	62,700	5.2	51	55	60	60	106	110
		240	20.0	68,200	5.2	53	57	60	60	111	125

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA38MV-036 | THREE PHASE**

Model Number	No. of Stages	Volts Input	kW Input	<sup>1</sup> Btuh Input	<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
						Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>8 kW</b> 5 lbs. ECB38-8 (16V99) Terminal Block	1	208	6.0	20,500	5.2	28	---	30	---	28	30
		220	6.7	22,900	5.2	29	---	30	---	29	30
		230	7.3	25,100	5.2	30	---	30	---	30	30
		240	8.0	27,300	5.2	30	---	30	---	30	35
<b>10 kW</b> 6 lbs. ECB38-10 (16W67) Terminal Block	1	208	7.5	25,600	5.2	33	---	35	---	33	35
		220	8.4	28,700	5.2	35	---	35	---	35	35
		230	9.2	31,400	5.2	36	---	40	---	36	40
		240	10.0	34,100	5.2	37	---	40	---	37	40
<b>15 kW</b> 12 lbs. ECB38-15CB (16W68) 50A Circuit breaker	1	208	11.3	38,400	5.2	46	---	50	---	46	50
		220	12.6	43,000	5.2	48	---	50	---	48	50
		230	13.5	47,000	5.2	50	---	50	---	50	60
		240	15.0	51,200	5.2	52	---	<sup>4</sup> <b>60</b>	---	52	60
<b>20 kW</b> 19 lbs. ECB38-20CB (16W69) (2) 35A Circuit breaker	2	208	15.0	51,200	5.2	33	26	35	<sup>4</sup> <b>30</b>	59	60
		220	16.8	57,300	5.2	35	28	35	<sup>4</sup> <b>30</b>	62	70
		230	18.4	62,700	5.2	36	29	<sup>4</sup> <b>40</b>	<sup>4</sup> <b>30</b>	65	70
		240	20.0	68,200	5.2	37	30	<sup>4</sup> <b>40</b>	35	67	70

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA38MV-042 | SINGLE PHASE**

Model Number	No. of Stages	Volts Input	kW Input	<sup>1</sup> Btuh Input	<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
						Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>4 kW</b> 4 lbs. ECB38-4 (16V86) Terminal Block ECB38-4CB (16V87) 35A Circuit breaker	1	208	3.0	10,250	6.9	27	---	<b><sup>4</sup>30</b>	---	27	30
		220	3.4	11,450	7.4	28	---	<b><sup>4</sup>30</b>	---	28	30
		230	3.7	12,550	7.4	28	---	<b><sup>4</sup>30</b>	---	28	30
		240	4.0	13,650	7.4	29	---	<b><sup>4</sup>30</b>	---	29	30
<b>5 kW</b> 4 lbs. ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	7.4	31	---	35	---	31	35
		220	4.2	14,300	7.4	32	---	35	---	32	35
		230	4.6	15,700	7.4	34	---	35	---	34	35
		240	5.0	17,100	7.4	35	---	35	---	35	35
<b>6 kW</b> 4 lbs. ECB38-6 (16V90) Terminal Block ECB38-6CB (16V91) 40A Circuit breaker	1	208	4.5	15,400	7.4	36	---	40	---	36	40
		220	5.0	17,100	7.4	37	---	40	---	37	40
		230	5.5	18,800	7.4	39	---	40	---	39	40
		240	6.0	20,500	7.4	40	---	40	---	40	40
<b>8 kW</b> 5 lbs. ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	7.4	45	---	<b><sup>4</sup>45</b>	---	45	45
		220	6.7	22,900	7.4	47	---	50	---	47	50
		230	7.3	25,100	7.4	48	---	50	---	48	50
		240	8.0	27,300	7.4	50	---	50	---	50	60
<b>9 kW</b> 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	7.4	49	---	<b><sup>4</sup>50</b>	---	49	50
		220	7.6	25,800	7.4	52	---	60	---	52	60
		230	8.3	28,200	7.4	54	---	60	---	54	60
		240	9.0	30,700	7.4	56	---	60	---	56	60
<b>12.5 kW</b> 10 lbs. ECB38-12.5CB (16V95) (1) 30A and (1) 45A Circuit breaker	2	208	9.4	32,000	7.4	27	38	30	<b><sup>4</sup>40</b>	65	70
		220	10.5	35,800	7.4	29	40	30	<b><sup>4</sup>40</b>	68	70
		230	11.5	39,200	7.4	29	42	30	45	71	80
		240	12.5	42,600	7.4	31	44	<b><sup>4</sup>35</b>	45	74	80
<b>15 kW</b> 12 lbs. ECB38-15CB (16V96) (1) 35A and (1) 60A Circuit breaker	2	208	11.3	38,400	7.4	31	45	35	<b><sup>4</sup>45</b>	76	80
		220	12.6	43,000	7.4	32	48	35	<b><sup>4</sup>50</b>	80	90
		230	13.5	47,000	7.4	34	50	35	<b><sup>4</sup>50</b>	84	90
		240	15.0	51,200	7.4	35	52	35	60	87	90
<b>20 kW</b> 19 lbs. ECB38-20CB (16V97) (2) 60A Circuit breaker	2	208	15.0	51,200	7.4	49	50	<b><sup>4</sup>50</b>	<b><sup>4</sup>50</b>	99	100
		220	16.8	57,300	7.4	52	53	60	60	104	110
		230	18.4	62,700	7.4	54	55	60	60	108	110
		240	20.0	68,200	7.4	56	57	60	60	113	125

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA38MV-042 | THREE PHASE**

	Model Number	No. of Stages	Volts Input	kW Input	<sup>1</sup> Btuh Input	<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
							Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>8 kW</b> 5 lbs.	ECB38-8 (16V99) Terminal block	1	208	6.0	20,500	7.4	30	---	35	---	30	35
			220	6.7	22,900	7.4	31	---	35	---	31	35
			230	7.3	25,100	7.4	32	---	35	---	32	35
			240	8.0	27,300	7.4	33	---	35	---	33	35
<b>10 kW</b> 6 lbs.	ECB38-10 (16W67) Terminal block	1	208	7.5	25,600	7.4	35	---	40	---	35	40
			220	8.4	28,700	7.4	37	---	40	---	37	40
			230	9.2	31,400	7.4	38	---	40	---	38	40
			240	10.0	34,100	7.4	39	---	40	---	39	40
<b>15 kW</b> 12 lbs.	ECB38-15CB (16W68) 50A Circuit breaker	1	208	11.3	38,400	7.4	48	---	50	---	48	50
			220	12.6	43,000	7.4	51	---	<b>460</b>	---	51	60
			230	13.5	47,000	7.4	52	---	<b>460</b>	---	52	60
			240	15.0	51,200	7.4	54	---	<b>460</b>	---	54	60
<b>20 kW</b> 19 lbs.	ECB38-20CB (16W69) (2) 35A Circuit breaker	2	208	15.0	51,200	7.4	35	26	<b>440</b>	<b>430</b>	61	70
			220	16.8	57,300	7.4	37	28	<b>440</b>	<b>430</b>	64	70
			230	18.4	62,700	7.4	38	29	<b>440</b>	<b>430</b>	67	70
			240	20.0	68,200	7.4	39	30	<b>440</b>	35	69	70

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.

**ELECTRIC HEAT DATA**

**CBA38MV-048 AND CBA38MV-060 | SINGLE PHASE**

Model Number	No. of Stages	Volts Input	kW Input	1 Btuh Input	2 Blower Motor Full Load Amps	3 Minimum Circuit Ampacity			5 Maximum Overcurrent Protection			Single Point Power Source	
						Ckt 1	Ckt 2	Ckt 3	Ckt 1	Ckt 2	Ckt 3	3 Minimum Circuit Ampacity	5 Maximum Overcurrent Protection
4 kW 4 lbs. ECB38-4 (16V86) Terminal Block ECB38-4CB (16V87) 35A Circuit breaker	1	208	3.0	10,250	6.9	27	---	---	<b>4 30</b>	---	---	27	30
		220	3.4	11,450	6.9	28	---	---	<b>4 30</b>	---	---	28	30
		230	3.7	12,550	6.9	28	---	---	<b>4 30</b>	---	---	28	30
		240	4.0	13,650	6.9	29	---	---	<b>4 30</b>	---	---	29	30
5 kW 4 lbs. ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	6.9	31	---	---	35	---	---	31	35
		220	4.2	14,300	6.9	32	---	---	35	---	---	32	35
		230	4.6	15,700	6.9	34	---	---	35	---	---	34	35
		240	5.0	17,100	6.9	35	---	---	35	---	---	35	35
6 kW 4 lbs. ECB38-6 (16V90) Terminal Block ECB38-6CB (16V91) 40A Circuit breaker	1	208	4.5	15,400	6.9	36	---	---	40	---	---	36	40
		220	5.0	17,100	6.9	37	---	---	40	---	---	37	40
		230	5.5	18,800	6.9	39	---	---	40	---	---	39	40
		240	6.0	20,500	6.9	40	---	---	40	---	---	40	40
8 kW 5 lbs. ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	6.9	45	---	---	<b>4 45</b>	---	---	45	45
		220	6.7	22,900	6.9	47	---	---	50	---	---	47	50
		230	7.3	25,100	6.9	48	---	---	50	---	---	48	50
		240	8.0	27,300	6.9	50	---	---	50	---	---	50	60
9 kW 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	6.9	49	---	---	<b>4 50</b>	---	---	49	50
		220	7.6	25,800	6.9	52	---	---	60	---	---	52	60
		230	8.3	28,200	6.9	54	---	---	60	---	---	54	60
		240	9.0	30,700	6.9	56	---	---	60	---	---	56	60
12.5 kW 10 lbs. ECB38-12.5CB (16V95) (1) 30A and (1) 45A Circuit breaker	2	208	9.4	32,000	6.9	27	38	---	30	<b>4 40</b>	---	65	70
		220	10.5	35,800	6.9	29	40	---	30	<b>4 40</b>	---	68	70
		230	11.5	39,200	6.9	29	42	---	30	45	---	71	80
		240	12.5	42,600	6.9	31	44	---	<b>4 35</b>	45	---	74	80
15 kW 12 lbs. ECB38-15CB (16V96) (1) 35A and (1) 60A Circuit breaker	2	208	11.3	38,400	6.9	31	45	---	35	<b>4 45</b>	---	76	80
		220	12.6	43,000	6.9	32	48	---	35	<b>4 50</b>	---	80	90
		230	13.5	47,000	6.9	34	50	---	35	<b>4 50</b>	---	84	90
		240	15.0	51,200	6.9	35	52	---	35	60	---	87	90
20 kW 19 lbs. ECB38-20CB (16V97) (2) 60A Circuit breaker	2	208	15.0	51,200	6.9	49	50	---	<b>4 50</b>	<b>4 50</b>	---	99	100
		220	16.8	57,300	6.9	52	53	---	60	60	---	104	110
		230	18.4	62,700	6.9	54	55	---	60	60	---	108	110
		240	20.0	68,200	6.9	56	57	---	60	60	---	113	125
25 kW 19 lbs. ECB38-25CB (16V98) (1) 60A and (2) 45A Circuit breaker	3	208	18.8	64,100	6.9	46	38	38	<b>4 50</b>	<b>4 40</b>	<b>4 40</b>	122	125
		220	21.0	71,700	6.9	48	40	40	<b>4 50</b>	<b>4 40</b>	<b>4 40</b>	128	150
		230	23.0	78,300	6.9	50	42	42	<b>4 50</b>	45	45	134	150
		240	25.0	85,300	6.9	52	44	44	60	45	45	140	150

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

1 Electric heater capacity only - does not include additional blower motor heat capacity.

2 Amps shown are for blower motor only.

3 Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

4 **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

5 HACR type circuit breaker or fuse.

## ELECTRIC HEAT DATA

## CBA38MV-048 AND CBA38MV-060 | THREE PHASE

Model Number	No. of Stages	Volts Input	kW Input	<sup>1</sup> Btuh Input	<sup>2</sup> Blower Motor Full Load Amps	<sup>3</sup> Minimum Circuit Ampacity		<sup>5</sup> Maximum Overcurrent Protection		Single Point Power Source	
						Ckt 1	Ckt 2	Ckt 1	Ckt 2	<sup>3</sup> Minimum Circuit Ampacity	<sup>5</sup> Maximum Overcurrent Protection
<b>8 kW</b> 5 lbs. ECB38-8 (16V99) Terminal block	1	208	6.0	20,500	6.9	30	---	35	---	30	35
		220	6.7	22,900	6.9	31	---	35	---	31	35
		230	7.3	25,100	6.9	32	---	35	---	32	35
		240	8.0	27,300	6.9	33	---	35	---	33	35
<b>10 kW</b> 6 lbs. ECB38-10 (16W67) Terminal block	1	208	7.5	25,600	6.9	35	---	40	---	35	40
		220	8.4	28,700	6.9	37	---	40	---	37	40
		230	9.2	31,400	6.9	38	---	40	---	38	40
		240	10.0	34,100	6.9	39	---	40	---	39	40
<b>15 kW</b> 12 lbs. ECB38-15CB (16W68) 50A Circuit breaker	1	208	11.3	38,400	6.9	48	---	50	---	48	50
		220	12.6	43,000	6.9	51	---	<b>40</b>	---	51	60
		230	13.5	47,000	6.9	52	---	<b>40</b>	---	52	60
		240	15.0	51,200	6.9	54	---	<b>40</b>	---	54	60
<b>20 kW</b> 19 lbs. ECB38-20CB (16W69) (2) 35A Circuit breaker	2	208	15.0	51,200	6.9	35	26	<b>40</b>	<b>30</b>	61	70
		220	16.8	57,300	6.9	37	28	<b>40</b>	<b>30</b>	64	70
		230	18.4	62,700	6.9	38	29	<b>40</b>	<b>30</b>	67	70
		240	20.0	68,200	6.9	39	30	<b>40</b>	35	69	70
<b>25 kW</b> 19 lbs. ECB38-25CB (16W70) (1) 50A and (1) 40A Circuit breaker	2	208	18.8	64,100	6.9	42	33	<b>45</b>	<b>35</b>	74	80
		220	21.0	71,700	6.9	44	34	<b>45</b>	<b>35</b>	78	80
		230	23.0	78,300	6.9	45	36	50	40	81	90
		240	25.0	85,300	6.9	47	38	50	40	84	90

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Amps shown are for blower motor only.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 1.**

<sup>5</sup> HACR type circuit breaker or fuse.



## REVISIONS

Sections	Description of Change
Electric Heat Data	CBA25UH/CBA25UHV - Added new 4 kW models. CBA27UHE - orrected catalog number for ECB29-4BD - Should be 19F09.



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