



ELECTRIC HEAT DATA

CBA25UH, CBA25UHE, CBA25UHV, CBA27UHE, CBA38MV

RESIDENTIAL PRODUCT SPECIFICATIONS

Bulletin No. 210617
January 2025
Supersedes All previous versions

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REPLACEMENT CIRCUIT BREAKERS

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

ELECTRIC HEAT DATA

CBA25UH-018 | SINGLE PHASE

	Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
		Volt	kW	¹ Btuh			
4 kW	ECBA25-4 (19V31)	208	3.0	10,250	1.1	19	⁴ 20
	Terminal Block	220	3.4	11,450	1.1	20	⁴ 20
	ECBA25-4CB (19V32)	230	3.7	12,550	1.1	21	⁴ 25
	30A Circuit Breaker	240	4.0	13,650	1.1	22	⁴ 25
5 kW	ECBA25-5 (16Y36)	208	3.6	12,300	1.1	23	⁴ 25
	Terminal Block	220	4.0	13,800	1.1	24	⁴ 25
	ECBA25-5CB (16Y39)	230	4.4	15,000	1.1	25	⁴ 25
	30A Circuit Breaker	240	4.8	16,400	1.1	26	30
7.5 kW	ECBA25-7.5 (16Y37)	208	5.6	19,200	1.1	35	35
	Terminal Block	220	6.3	21,500	1.1	37	⁴ 40
	ECBA25-7.5CB (16Y41)	230	6.9	23,500	1.1	39	⁴ 40
	45A Circuit Breaker	240	7.5	25,600	1.1	40	⁴ 40
10 kW	ECBA25-10 (16Y38)	208	7.2	24,600	1.1	45	⁴ 45
	Terminal Block	220	8.0	27,500	1.1	47	⁴ 50
	ECBA25-10CB (16Y42)	230	8.8	30,000	1.1	49	⁴ 50
	60A Circuit Breaker	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	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
		Volt	kW	¹ Btuh			
4 kW	ECBA25-4 (19V31)	208	3.0	10,250	1.6	20	⁴ 20
	Terminal Block	220	3.4	11,450	1.6	21	⁴ 25
	ECBA25-4CB (19V32)	230	3.7	12,550	1.6	22	⁴ 25
	30A Circuit Breaker	240	4.0	13,650	1.6	23	⁴ 25
5 kW	ECBA25-5 (16Y36)	208	3.6	12,300	1.6	24	⁴ 25
	Terminal Block	220	4.0	13,800	1.6	25	⁴ 25
	ECBA25-5CB (16Y39)	230	4.4	15,000	1.6	26	30
	30A Circuit Breaker	240	4.8	16,400	1.6	27	30
7.5 kW	ECBA25-7.5 (16Y37)	208	5.6	19,200	1.6	36	⁴ 40
	Terminal Block	220	6.3	21,500	1.6	38	⁴ 40
	ECBA25-7.5CB (16Y41)	230	6.9	23,500	1.6	39	⁴ 40
	45A Circuit Breaker	240	7.5	25,600	1.6	41	45
10 kW	ECBA25-10 (16Y38)	208	7.2	24,600	1.6	45	⁴ 45
	Terminal Block	220	8.0	27,500	1.6	48	⁴ 50
	ECBA25-10CB (16Y42)	230	8.8	30,000	1.6	50	⁴ 50
	60A Circuit Breaker	240	9.6	32,700	1.6	52	60

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

³ HACR type breaker or fuse.

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

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

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

³ HACR type breaker or fuse.

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

¹ Electric heater capacity only - does not include additional blower motor heat capacity.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.³ HACR type breaker or fuse.⁴ 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	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW	ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	2.5	21	---	⁴ 25	---	---	---
		220	3.4	11,450	2.5	22	---	⁴ 25	---	---	---
		230	3.7	12,550	2.5	23	---	⁴ 25	---	---	---
		240	4.0	13,650	2.5	24	---	⁴ 25	---	---	---
5 kW	ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	2.5	25	---	⁴ 25	---	---	---
		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	---	---	---
7.5 kW	ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	2.5	37	---	⁴ 40	---	---	---
		220	6.3	21,500	2.5	39	---	⁴ 40	---	---	---
		230	6.9	23,500	2.5	41	---	45	---	---	---
		240	7.5	25,600	2.5	42	---	45	---	---	---
10 kW	ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	2.5	46	---	⁴ 50	---	---	---
		220	8.0	27,500	2.5	49	---	⁴ 50	---	---	---
		230	8.8	30,000	2.5	51	---	60	---	---	---
		240	9.6	32,700	2.5	53	---	60	---	---	---
12.5 kW	ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	2.5	41	19	⁴ 45	⁴ 20	60	60
		220	10.5	35,800	2.5	43	20	⁴ 45	⁴ 20	63	70
		230	11.5	39,200	2.5	45	21	⁴ 45	25	66	70
		240	12.5	42,600	2.5	47	22	50	25	68	70
15 kW	ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	2.5	46	22	⁴ 50	25	68	70
		220	12.1	41,300	2.5	49	23	⁴ 50	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.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.³ HACR type breaker or fuse.⁴ 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	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW 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	---	---	---
5 kW ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	7.6	31	---	⁴ 35	---	---	---
	220	4.0	13,800	7.6	32	---	⁴ 35	---	---	---
	230	4.4	15,000	7.6	33	---	⁴ 35	---	---	---
	240	4.8	16,400	7.6	35	---	⁴ 35	---	---	---
7.5 kW 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	---	⁴ 50	---	---	---
	240	7.5	25,600	7.6	49	---	⁴ 50	---	---	---
10 kW 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	---	---	---
12.5 kW ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	7.6	47	19	50	⁴ 20	66	70
	220	10.5	35,800	7.6	49	20	50	⁴ 20	69	70
	230	11.5	39,200	7.6	51	21	⁴ 60	25	72	80
	240	12.5	42,600	7.6	53	22	⁴ 60	25	75	80
15 kW 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
20 kW ECBA25-20CB (16Y46) (1) 60A and (1) 50A Circuit Breaker	208	14.4	49,200	7.6	53	43	60	⁴ 45	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.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.³ HACR type breaker or fuse.⁴ **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

CBA25UHE-024 | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
	Volt	kW	¹ Btuh			
4 kW ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	4.1	23	⁴25
	220	3.4	11,450	4.1	24	⁴25
	230	3.7	12,550	4.1	25	⁴25
	240	4.0	13,650	4.1	26	30
5 kW ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	4.1	27	30
	220	4.0	13,800	4.1	28	30
	230	4.4	15,000	4.1	29	30
	240	4.8	16,400	4.1	30	30
7.5 kW ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	4.1	39	⁴40
	220	6.3	21,500	4.1	41	45
	230	6.9	23,500	4.1	43	45
	240	7.5	25,600	4.1	44	45
10 kW ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	4.1	48	⁴50
	220	8.0	27,500	4.1	51	60
	230	8.8	30,000	4.1	53	60
	240	9.6	32,700	4.1	55	60

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

³ HACR type breaker or fuse.

⁴ **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

CBA25UHE-030 | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	4.1	23	---	⁴ 25	---	---	---
	220	3.4	11,450	4.1	24	---	⁴ 25	---	---	---
	230	3.7	12,550	4.1	25	---	⁴ 25	---	---	---
	240	4.0	13,650	4.1	26	---	30	---	---	---
5 kW ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	4.1	27	---	30	---	---	---
	220	4.0	13,800	4.1	28	---	30	---	---	---
	230	4.4	15,000	4.1	29	---	30	---	---	---
	240	4.8	16,400	4.1	30	---	30	---	---	---
7.5 kW ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	4.1	39	---	⁴ 40	---	---	---
	220	6.3	21,500	4.1	41	---	45	---	---	---
	230	6.9	23,500	4.1	43	---	45	---	---	---
	240	7.5	25,600	4.1	44	---	45	---	---	---
10 kW ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	4.1	48	---	⁴ 50	---	---	---
	220	8.0	27,500	4.1	51	---	60	---	---	---
	230	8.8	30,000	4.1	53	---	60	---	---	---
	240	9.6	32,700	4.1	55	---	60	---	---	---
12.5 kW ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	4.1	43	19	⁴ 45	⁴ 20	62	70
	220	10.5	35,800	4.1	45	20	⁴ 45	⁴ 20	65	70
	230	11.5	39,200	4.1	47	21	50	25	68	70
	240	12.5	42,600	4.1	49	22	50	25	70	70
15 kW ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	4.1	48	22	⁴ 50	25	70	70
	220	12.1	41,300	4.1	51	23	60	25	74	80
	230	13.2	45,100	4.1	53	24	60	25	77	80
	240	14.4	49,100	4.1	55	25	60	25	80	80

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

³ HACR type breaker or fuse.

⁴ 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

CBA25UHE-036 | SINGLE PHASE

Electric Heat Model Number		Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW	ECBA25-4 (19V31)	208	3.0	10,250	4.1	23	---	⁴ 25	---	---	---
	Terminal Block	220	3.4	11,450	4.1	24	---	⁴ 25	---	---	---
	ECBA25-4CB (19V32)	230	3.7	12,550	4.1	25	---	⁴ 25	---	---	---
	30A Circuit Breaker	240	4.0	13,650	4.1	26	---	30	---	---	---
5 kW	ECBA25-5 (16Y36)	208	3.6	12,300	4.1	27	---	30	---	---	---
	Terminal Block	220	4.0	13,800	4.1	28	---	30	---	---	---
	ECBA25-5CB (16Y39)	230	4.4	15,000	4.1	29	---	30	---	---	---
	30A Circuit Breaker	240	4.8	16,400	4.1	30	---	30	---	---	---
7.5 kW	ECBA25-7.5 (16Y37)	208	5.6	19,200	4.1	39	---	⁴ 40	---	---	---
	Terminal Block	220	6.3	21,500	4.1	41	---	45	---	---	---
	ECBA25-7.5CB (16Y41)	230	6.9	23,500	4.1	43	---	45	---	---	---
	45A Circuit Breaker	240	7.5	25,600	4.1	44	---	45	---	---	---
10 kW	ECBA25-10 (16Y38)	208	7.2	24,600	4.1	48	---	⁴ 50	---	---	---
	Terminal Block	220	8.0	27,500	4.1	51	---	60	---	---	---
	ECBA25-10CB (16Y42)	230	8.8	30,000	4.1	53	---	60	---	---	---
	60A Circuit Breaker	240	9.6	32,700	4.1	55	---	60	---	---	---
12.5 kW	ECBA25-12.5CB (16Y43)	208	9.4	32,000	4.1	43	19	⁴ 45	⁴ 20	62	70
	(1) 50A and	220	10.5	35,800	4.1	45	20	⁴ 45	⁴ 20	65	70
	(1) 25A Circuit Breaker	230	11.5	39,200	4.1	47	21	50	25	68	70
		240	12.5	42,600	4.1	49	22	50	25	70	70
15 kW	ECBA25-15CB (16Y44)	208	10.8	36,900	4.1	48	22	⁴ 50	25	70	70
	(1) 60A and	220	12.1	41,300	4.1	51	23	60	25	74	80
	(1) 25A Circuit Breaker	230	13.2	45,100	4.1	53	24	60	25	77	80
		240	14.4	49,100	4.1	55	25	60	25	80	80

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

³ HACR type breaker or fuse.

⁴ 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

CBA25UHE-042 | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	6.0	26	---	30	---	---	---
	220	3.4	11,450	6.0	27	---	30	---	---	---
	230	3.7	12,550	6.0	27	---	30	---	---	---
	240	4.0	13,650	6.0	28	---	30	---	---	---
5 kW ECBA25-5 (16Y36) Terminal Block ECBA25-5CB (16Y39) 30A Circuit Breaker	208	3.6	12,300	6.0	29	---	30	---	---	---
	220	4.0	13,800	6.0	30	---	30	---	---	---
	230	4.4	15,000	6.0	31	---	⁴35	---	---	---
	240	4.8	16,400	6.0	33	---	⁴35	---	---	---
7.5 kW ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	6.0	41	---	45	---	---	---
	220	6.3	21,500	6.0	43	---	45	---	---	---
	230	6.9	23,500	6.0	45	---	45	---	---	---
	240	7.5	25,600	6.0	47	---	⁴50	---	---	---
10 kW ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	6.0	51	---	60	---	---	---
	220	8.0	27,500	6.0	53	---	60	---	---	---
	230	8.8	30,000	6.0	55	---	60	---	---	---
	240	9.6	32,700	6.0	58	---	60	---	---	---
12.5 kW ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	6.0	45	19	⁴45	⁴20	64	70
	220	10.5	35,800	6.0	47	20	50	⁴20	67	70
	230	11.5	39,200	6.0	49	21	50	25	70	70
	240	12.5	42,600	6.0	51	22	⁴60	25	73	80
15 kW ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	6.0	51	22	60	25	73	80
	220	12.1	41,300	6.0	53	23	60	25	76	80
	230	13.2	45,100	6.0	55	24	60	25	79	80
	240	14.4	49,100	6.0	58	25	60	25	83	90

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 Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.³ HACR type breaker or fuse.⁴ 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	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
	Volt	kW	¹ Btuh			
4 kW ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	3.9	23	⁴ 25
	220	3.4	11,450	3.9	24	⁴ 25
	230	3.7	12,550	3.9	25	⁴ 25
	240	4.0	13,650	3.9	26	30
5 kW 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
7.5 kW ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	3.9	39	⁴ 40
	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
10 kW ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	3.9	48	⁴ 50
	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	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
	Volt	kW	¹ Btuh			
4 kW ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	3.9	23	⁴ 25
	220	3.4	11,450	3.9	24	⁴ 25
	230	3.7	12,550	3.9	25	⁴ 25
	240	4.0	13,650	3.9	26	30
5 kW 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
7.5 kW ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	3.9	39	⁴ 40
	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
10 kW ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	3.9	48	⁴ 50
	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.

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

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

³ HACR type breaker or fuse.

⁴ 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	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	3.9	23	---	⁴ 25	---	---	---
	220	3.4	11,450	3.9	24	---	⁴ 25	---	---	---
	230	3.7	12,550	3.9	25	---	⁴ 25	---	---	---
	240	4.0	13,650	3.9	26	---	30	---	---	---
5 kW 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	---	---	---
7.5 kW ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	3.9	39	---	⁴ 40	---	---	---
	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	---	---	---
10 kW ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	3.9	48	---	⁴ 50	---	---	---
	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	---	---	---
12.5 kW ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	3.9	42	19	⁴ 45	⁴ 20	61	70
	220	10.5	35,800	3.9	45	20	⁴ 45	⁴ 20	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
15 kW ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	3.9	48	22	⁴ 50	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.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.³ HACR type breaker or fuse.⁴ 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	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
		Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW	ECBA25-4 (19V31) Terminal Block ECBA25-4CB (19V32) 30A Circuit Breaker	208	3.0	10,250	3.9	23	---	⁴ 25	---	---	---
		220	3.4	11,450	3.9	24	---	⁴ 25	---	---	---
		230	3.7	12,550	3.9	25	---	⁴ 25	---	---	---
		240	4.0	13,650	3.9	26	---	30	---	---	---
5 kW	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	---	---	---
7.5 kW	ECBA25-7.5 (16Y37) Terminal Block ECBA25-7.5CB (16Y41) 45A Circuit Breaker	208	5.6	19,200	3.9	39	---	⁴ 40	---	---	---
		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	---	---	---
10 kW	ECBA25-10 (16Y38) Terminal Block ECBA25-10CB (16Y42) 60A Circuit Breaker	208	7.2	24,600	3.9	48	---	⁴ 50	---	---	---
		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	---	---	---
12.5 kW	ECBA25-12.5CB (16Y43) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	3.9	42	19	⁴ 45	⁴ 20	61	70
		220	10.5	35,800	3.9	45	20	⁴ 45	⁴ 20	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
15 kW	ECBA25-15CB (16Y44) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	3.9	48	22	⁴ 50	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.

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

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

³ HACR type breaker or fuse.

⁴ 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	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW ECB45-4 (27A08) Terminal Block ECB45-4CB (27A12) 30A Circuit Breaker	208	3.0	10,250	7.4	27	---	30	---	---	---
	220	3.4	11,450	7.4	28	---	30	---	---	---
	230	3.7	12,550	7.4	29	---	30	---	---	---
	240	4.0	13,650	7.4	30	---	30	---	---	---
5 kW ECB45-5 (27A09) Terminal Block ECB45-5CB (27A13) 30A Circuit Breaker	208	3.6	12,300	7.4	31	---	435	---	---	---
	220	4.0	13,800	7.4	32	---	435	---	---	---
	230	4.4	15,000	7.4	33	---	435	---	---	---
	240	4.8	16,400	7.4	34	---	435	---	---	---
7.5 kW ECB45-7.5 (27A10) Terminal Block ECB45-7.5CB (27A14) 45A Circuit Breaker	208	5.6	19,200	7.4	43	---	45	---	---	---
	220	6.3	21,500	7.4	45	---	45	---	---	---
	230	6.9	23,500	7.4	47	---	450	---	---	---
	240	7.5	25,600	7.4	48	---	450	---	---	---
10 kW ECB45-10 (27A11) Terminal Block ECB45-10CB (27A15) 60A Circuit Breaker	208	7.2	24,600	7.4	53	---	60	---	---	---
	220	8.0	27,500	7.4	55	---	60	---	---	---
	230	8.8	30,000	7.4	57	---	60	---	---	---
	240	9.6	32,700	7.4	59	---	60	---	---	---
12.5 kW ECB45-12.5CB (27A16) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	7.4	47	19	50	420	66	70
	220	10.5	35,800	7.4	49	20	50	420	69	70
	230	11.5	39,200	7.4	51	21	460	25	72	80
	240	12.5	42,600	7.4	53	22	460	25	74	80
15 kW ECB45-15CB (27A17) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	7.4	53	22	60	25	74	80
	220	12.1	41,300	7.4	55	23	60	25	78	80
	230	13.2	45,100	7.4	57	24	60	25	81	90
	240	14.4	49,100	7.4	59	25	60	25	84	90

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

³ HACR type breaker or fuse.

⁴ 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	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
4 kW ECB45-4 (27A08) Terminal Block ECB45-4CB (27A12) 30A Circuit Breaker	208	3.0	10,250	7.4	27	---	30	---	---	---
	220	3.4	11,450	7.4	28	---	30	---	---	---
	230	3.7	12,550	7.4	29	---	30	---	---	---
	240	4.0	13,650	7.4	30	---	30	---	---	---
5 kW ECB45-5 (27A09) Terminal Block ECB45-5CB (27A13) 30A Circuit Breaker	208	3.6	12,300	7.4	31	---	⁴ 35	---	---	---
	220	4.0	13,800	7.4	32	---	⁴ 35	---	---	---
	230	4.4	15,000	7.4	33	---	⁴ 35	---	---	---
	240	4.8	16,400	7.4	34	---	⁴ 35	---	---	---
7.5 kW ECB45-7.5 (27A10) Terminal Block ECB45-7.5CB (27A14) 45A Circuit Breaker	208	5.6	19,200	7.4	43	---	45	---	---	---
	220	6.3	21,500	7.4	45	---	45	---	---	---
	230	6.9	23,500	7.4	47	---	⁴ 50	---	---	---
	240	7.5	25,600	7.4	48	---	⁴ 50	---	---	---
10 kW ECB45-10 (27A11) Terminal Block ECB45-10CB (27A15) 60A Circuit Breaker	208	7.2	24,600	7.4	53	---	60	---	---	---
	220	8.0	27,500	7.4	55	---	60	---	---	---
	230	8.8	30,000	7.4	57	---	60	---	---	---
	240	9.6	32,700	7.4	59	---	60	---	---	---
12.5 kW ECB45-12.5CB (27A16) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	7.4	47	19	50	⁴ 20	66	70
	220	10.5	35,800	7.4	49	20	50	⁴ 20	69	70
	230	11.5	39,200	7.4	51	21	⁴ 60	25	72	80
	240	12.5	42,600	7.4	53	22	⁴ 60	25	74	80
15 kW ECB45-15CB (27A17) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	7.4	53	22	60	25	74	80
	220	12.1	41,300	7.4	55	23	60	25	78	80
	230	13.2	45,100	7.4	57	24	60	25	81	90
	240	14.4	49,100	7.4	59	25	60	25	84	90
20 kW ECB45-20CB (27A18) (1) 60A and (1) 50A Circuit Breaker	208	14.4	49,200	7.4	53	43	60	⁴ 45	96	100
	220	16.1	55,000	7.4	55	46	60	50	101	110
	230	17.6	60,100	7.4	57	48	60	50	105	110
	240	19.2	65,500	7.4	59	50	60	50	109	110

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 Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.³ HACR type breaker or fuse.⁴ **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

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
		Volts	kW	¹ Btuh			
2.5 kW 4 lbs. ECB29-2.5 (19F02) 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
4 kW 4 lbs. ECB29-4 (19F03) Terminal Block ECB29-4CB (19F09) 30A Circuit breaker	1	208	3.0	10,250	4.1	23	4²⁵
		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
5 kW 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	4³⁰
		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
6 kW 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	4³⁵
		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
8 kW 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	4⁴⁵
		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
9 kW 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	4⁵⁰
		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
10 kW 6 lbs. ECB29-10 (19F08) Terminal Block ECB29-10CB (19F18) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	4⁵⁰
		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.

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-024 | SINGLE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
		Volts	kW	¹ Btuh			
4 kW 4 lbs. ECB29-4 (19F03) Terminal Block ECB29-4CB (19F09) 30A Circuit breaker	1	208	3.0	10,250	4.1	23	⁴ 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
5 kW 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	⁴ 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
6 kW 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	⁴ 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
8 kW 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	⁴ 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
9 kW 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	⁴ 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
10 kW 6 lbs. ECB29-10 (19F08) Terminal Block ECB29-10CB (19F18) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	⁴ 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.

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-030 | SINGLE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity		⁵ Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	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	4.1	23	---	⁴ 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	---	---	---
5 kW 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	---	⁴ 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	---	---	---
6 kW 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	---	⁴ 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	---	---	---
8 kW 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	---	⁴ 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	---	---	---
9 kW 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	---	⁴ 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	---	---	---
10 kW 6 lbs. ECB29-10 (19F08) Terminal Block ECB29-10CB (19F18) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	---	⁴ 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	---	---	---
12.5 kW 10 lbs. ECB29-12.5CB (19F19) (1) 30A Circuit breaker & (1) 45A Circuit breaker	2	208	9.4	32,000	4.1	24	38	⁴ 25	⁴ 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
15 kW 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker & (1) 60A Circuit Breaker	2	208	11.3	38,400	4.1	28	45	⁴ 30	⁴ 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

8 kW 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	---	---	---
10 kW 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	---	---	---
15 kW 12 lbs. ECB29-15CB (19F28) (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.

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-036 | SINGLE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity		⁵ Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	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	4.1	23	---	425	---	---	---
		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	---	---	---
5 kW 4 lbs. ECB29-5 (19F04) Terminal Block ECB29-5CB (19F12) 35A Circuit breaker	1	208	3.8	12,800	4.1	28	---	430	---	---	---
		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	---	---	---
6 kW 4 lbs. ECB29-6 (19F06) Terminal Block ECB29-6CB (19F14) 40A Circuit breaker	1	208	4.5	15,400	4.1	32	---	435	---	---	---
		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	---	---	---
8 kW 5 lbs. ECB29-8 (19F07) Terminal Block ECB29-8CB (19F15) 50A Circuit breaker	1	208	6.0	20,500	4.1	41	---	445	---	---	---
		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	---	---	---
9 kW 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	4.1	46	---	450	---	---	---
		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	---	---	---
10 kW 6 lbs. ECB29-10 (19F08) Terminal Block ECB29-10CB (19F18) 60A Circuit breaker	2	208	7.5	25,600	4.1	50	---	450	---	---	---
		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	---	---	---
12.5 kW 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	425	440	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
15 kW 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker and (1) 60A Circuit Breaker	2	208	11.3	38,400	4.1	28	45	430	445	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
20 kW 19 lbs. ECB29-20CB (19F21) (1) 60A Circuit breaker and (1) 60A Circuit Breaker	2	208	15.0	51,200	4.1	46	50	450	450	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.

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-036 | THREE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity		⁵ Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
8 kW 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	---	---	---
10 kW 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	---	---	---
15 kW 12 lbs. ECB29-15CB (19F28) (1) 50A Circuit breaker	1	208	11.3	38,400	4.1	44	---	⁴ 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	---	---	---
20 kW 19 lbs. ECB29-20CB (19F29) (2) 35A Circuit breaker	2	208	15.0	51,200	4.1	31	26	35	⁴ 30	57	60
		220	16.8	57,300	4.1	35	30	35	⁴ 30	65	70
		230	18.4	62,700	4.1	35	30	35	⁴ 30	65	70
		240	20.0	68,200	4.1	35	30	35	⁴ 30	65	70

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

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			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity		⁵ Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
8 kW 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	---	---	---
10 kW 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	---	---	---
15 kW 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	---	⁴ 60	---	---	---
		230	13.5	47,000	7.6	55	---	⁴ 60	---	---	---
		240	15.0	51,200	7.6	55	---	⁴ 60	---	---	---
20 kW 19 lbs. ECB29-20CB (19F29) (2) 35A Circuit breaker	2	208	15.0	51,200	7.6	36	26	⁴ 40	⁴ 30	62	70
		220	16.8	57,300	7.6	40	30	⁴ 40	⁴ 30	70	70
		230	18.4	62,700	7.6	40	30	⁴ 40	⁴ 30	70	70
		240	20.0	68,200	7.6	40	30	⁴ 40	⁴ 30	70	70
25 kW 19 lbs. ECB29-25CB (19F30) (2) 45A Circuit breaker	2	208	18.8	64,100	7.6	42	33	⁴ 50	⁴ 35	62	70
		220	21.0	71,700	7.6	47	38	⁴ 50	⁴ 40	85	90
		230	23.0	78,300	7.6	47	38	⁴ 50	⁴ 40	85	90
		240	25.0	85,300	7.6	47	38	⁴ 50	⁴ 40	85	90

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.

⁶ Blower motor is rated at 460V.

ELECTRIC HEAT DATA

CBA27UHE-048 | SINGLE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity			⁵ Maximum Overcurrent Protection			Single Point Power Source	
		Volts	kW	¹ Btuh		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	---	---	⁴ 40	---	---	---	---
		230	4.6	15,700	7.6	36	---	---	⁴ 40	---	---	---	---
		240	5.0	17,100	7.6	36	---	---	⁴ 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	---	---	⁴ 45	---	---	---	---
		230	5.5	18,800	7.6	41	---	---	⁴ 45	---	---	---	---
		240	6.0	20,500	7.6	41	---	---	⁴ 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	---	---	⁴ 60	---	---	---	---
		230	7.3	25,100	7.6	51	---	---	⁴ 60	---	---	---	---
		240	8.0	27,300	7.6	51	---	---	⁴ 60	---	---	---	---
9 kW 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	7.6	50	---	---	⁴ 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 & (1) 45A Circuit breaker	2	208	9.4	32,000	7.6	28	38	---	30	⁴ 40	---	66	70
		220	10.5	35,800	7.6	31	43	---	⁴ 35	45	---	75	80
		230	11.5	39,200	7.6	31	43	---	⁴ 35	45	---	75	80
		240	12.5	42,600	7.6	31	43	---	⁴ 35	45	---	75	80
15 kW 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker & (1) 60A Circuit breaker	2	208	11.3	38,400	7.6	32	45	---	35	⁴ 45	---	77	80
		220	12.6	43,000	7.6	36	52	---	⁴ 40	60	---	88	90
		230	13.5	47,000	7.6	36	52	---	⁴ 40	60	---	88	90
		240	15.0	51,200	7.6	36	52	---	⁴ 40	60	---	88	90
20 kW 19 lbs. ECB29-20CB (19F21) (1) 60A Circuit breaker & (1) 60A Circuit breaker	2	208	15.0	51,200	7.6	50	50	---	⁴ 50	⁴ 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 & (2) 45A Circuit breakers	3	208	18.8	64,100	7.6	47	38	38	⁴ 50	⁴ 40	⁴ 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.

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-048 | THREE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity		⁵ Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
8 kW 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	---	---	---
10 kW 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	---	---	---
	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	---	---	---
	1	208	11.3	38,400	7.6	49	---	50	---	---	---
		220	12.6	43,000	7.6	55	---	⁴ 60	---	---	---
		230	13.5	47,000	7.6	55	---	⁴ 60	---	---	---
		240	15.0	51,200	7.6	55	---	⁴ 60	---	---	---
15 kW 12 lbs. ECB29-15CB (19F28) 50A Circuit breaker	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	---	---	---
	2	208	15.0	51,200	7.6	36	26	⁴ 40	⁴ 30	62	70
		220	16.8	57,300	7.6	40	30	⁴ 40	⁴ 30	70	70
		230	18.4	62,700	7.6	40	30	⁴ 40	⁴ 30	70	70
		240	20.0	68,200	7.6	40	30	⁴ 40	⁴ 30	70	70
	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	---	---	---
	⁶ ECB29-20 (19F35) (3) 25A Fuses	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	---	---	---
25 kW 19 lbs. ECB29-25CB (19F30) (2) 45A Circuit breaker	2	208	18.8	64,100	7.6	42	33	⁴ 50	⁴ 35	75	80
		220	21.0	71,700	7.6	47	38	⁴ 50	⁴ 40	85	90
		230	23.0	78,300	7.6	47	38	⁴ 50	⁴ 40	85	90
		240	25.0	85,300	7.6	47	38	⁴ 50	⁴ 40	85	90
	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	---	---	---
	⁶ ECB29-25 (19F36) (3) 35A Fuses	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.

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.⁶ Blower motor is rated at 460V.

ELECTRIC HEAT DATA

CBA27UHE-060 | SINGLE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity			⁵ Maximum Overcurrent Protection			Single Point Power Source	
		Volts	kW	¹ Btuh		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	---	---	⁴ 40	---	---	---	---
		230	4.6	15,700	7.6	36	---	---	⁴ 40	---	---	---	---
		240	5.0	17,100	7.6	36	---	---	⁴ 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	---	---	⁴ 45	---	---	---	---
		230	5.5	18,800	7.6	41	---	---	⁴ 45	---	---	---	---
		240	6.0	20,500	7.6	41	---	---	⁴ 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	---	---	⁴ 60	---	---	---	---
		230	7.3	25,100	7.6	51	---	---	⁴ 60	---	---	---	---
		240	8.0	27,300	7.6	51	---	---	⁴ 60	---	---	---	---
9 kW 5 lbs. ECB29-9CB (19F16) 60A Circuit breaker	2	208	6.8	23,100	7.6	50	---	---	⁴ 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 & (1) 45A Circuit breaker	2	208	9.4	32,000	7.6	28	38	---	30	⁴ 40	---	66	70
		220	10.5	35,800	7.6	31	43	---	⁴ 35	45	---	75	80
		230	11.5	39,200	7.6	31	43	---	⁴ 35	45	---	75	80
		240	12.5	42,600	7.6	31	43	---	⁴ 35	45	---	75	80
15 kW 12 lbs. ECB29-15CB (19F20) (1) 35A Circuit breaker & (1) 60A Circuit breaker	2	208	11.3	38,400	7.6	32	45	---	35	⁴ 45	---	77	80
		220	12.6	43,000	7.6	36	52	---	⁴ 40	60	---	88	90
		230	13.5	47,000	7.6	36	52	---	⁴ 40	60	---	88	90
		240	15.0	51,200	7.6	36	52	---	⁴ 40	60	---	88	90
20 kW 19 lbs. ECB29-20CB (19F21) (1) 60A Circuit breaker & (1) 60A Circuit breaker	2	208	15.0	51,200	7.6	50	50	---	⁴ 50	⁴ 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 & (2) 45A Circuit breakers	3	208	18.8	64,100	7.6	47	38	38	⁴ 50	⁴ 40	⁴ 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.

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-060 | THREE PHASE

Electric Heat Model Number	No. of Stages	Input			² Blower Motor Full Load Amps	³ Minimum Circuit Ampacity		⁵ Maximum Overcurrent Protection		Single Point Power Source	
		Volts	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
8 kW 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	---	---	---
10 kW 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	---	---	---
	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	---	---	---
	1	208	11.3	38,400	7.6	49	---	50	---	---	---
		220	12.6	43,000	7.6	55	---	460	---	---	---
		230	13.5	47,000	7.6	55	---	460	---	---	---
		240	15.0	51,200	7.6	55	---	460	---	---	---
		440	12.6	43,000	4.0	25	---	30	---	---	---
15 kW 12 lbs. ECB29-15CB (19F28) 50A Circuit breaker	1	460	13.5	47,000	4.0	26	---	30	---	---	---
		480	15.0	51,200	4.0	27	---	30	---	---	---
	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	---	---	---
	2	208	15.0	51,200	7.6	36	26	440	430	62	70
		220	16.8	57,300	7.6	40	30	440	430	70	70
		230	18.4	62,700	7.6	40	30	440	430	70	70
		240	20.0	68,200	7.6	40	30	440	430	70	70
	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	---	---	---
	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	---	---	---
25 kW 19 lbs. ECB29-25CB (19F30) (2) 45A Circuit breaker	2	208	18.8	64,100	7.6	42	33	45	435	75	80
		220	21.0	71,700	7.6	47	38	450	440	85	90
		230	23.0	78,300	7.6	47	38	450	440	85	90
		240	25.0	85,300	7.6	47	38	450	440	85	90
	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	---	---	---
	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	---	---	---
		550	21.0	71,700	4.0	32	---	35	---	---	---

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.⁶ Blower motor is rated at 460V.

ELECTRIC HEAT DATA

CBA38MV-018/024 | 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
4 kW 4 lbs.	ECB38-4 (16V86) Terminal Block ECB38-4CB (16V87) 30A Circuit breaker	1	208	3.0	10,250	4.0	23	⁴ 25
			220	3.4	11,450	4.0	24	⁴ 25
			230	3.7	12,550	4.0	25	⁴ 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	⁴ 30
			220	4.2	14,300	4.0	29	⁴ 30
			230	4.6	15,700	4.0	30	⁴ 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	⁴ 35
			220	5.0	17,100	4.0	33	⁴ 35
			230	5.5	18,800	4.0	35	⁴ 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	⁴ 45
			220	6.7	22,900	4.0	43	⁴ 45
			230	7.3	25,100	4.0	45	⁴ 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	⁴ 50
			220	7.6	25,800	4.0	48	⁴ 50
			230	8.3	28,200	4.0	50	⁴ 50
			240	9.0	30,700	4.0	52	60

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-030 | 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 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
4 kW 4 lbs. ECB38-4 (16V86) Terminal Block ECB38-4CB (16V87) 30A Circuit breaker	1	208	3.0	10,250	4.0	23	---	⁴ 25	---	23	25
		220	3.4	11,450	4.0	24	---	⁴ 25	---	24	25
		230	3.7	12,550	4.0	25	---	⁴ 25	---	25	25
		240	4.0	13,650	4.0	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	4.0	28	---	⁴ 30	---	28	30
		220	4.2	14,300	4.0	29	---	⁴ 30	---	29	30
		230	4.6	15,700	4.0	30	---	⁴ 30	---	30	30
		240	5.0	17,100	4.0	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	4.0	32	---	⁴ 35	---	32	35
		220	5.0	17,100	4.0	33	---	⁴ 35	---	33	35
		230	5.5	18,800	4.0	35	---	⁴ 35	---	35	35
		240	6.0	20,500	4.0	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	4.0	41	---	⁴ 45	---	41	45
		220	6.7	22,900	4.0	43	---	⁴ 45	---	43	45
		230	7.3	25,100	4.0	45	---	⁴ 45	---	45	45
		240	8.0	27,300	4.0	47	---	50	---	47	50
9 kW 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	4.0	46	---	⁴ 50	---	46	50
		220	7.6	25,800	4.0	48	---	⁴ 50	---	48	50
		230	8.3	28,200	4.0	50	---	⁴ 50	---	50	50
		240	9.0	30,700	4.0	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	4.0	24	38	⁴ 25	⁴ 40	61	70
		220	10.5	35,800	4.0	25	40	⁴ 25	⁴ 40	65	70
		230	11.5	39,200	4.0	26	42	30	45	67	70
		240	12.5	42,600	4.0	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	4.0	28	45	⁴ 30	⁴ 45	73	80
		220	12.6	43,000	4.0	29	48	⁴ 30	⁴ 50	77	80
		230	13.8	47,000	4.0	30	50	⁴ 30	⁴ 50	80	80
		240	15.0	51,200	4.0	31	52	35	60	83	90

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-036 | 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 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
5 kW 4 lbs. ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	5.9	30	---	⁴ 30	---	30	30
		220	4.2	14,300	5.9	31	---	35	---	31	35
		230	4.6	15,700	5.9	32	---	35	---	32	35
		240	5.0	17,100	5.9	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	5.9	34	---	⁴ 35	---	34	35
		220	5.0	17,100	5.9	36	---	40	---	36	40
		230	5.5	18,800	5.9	37	---	40	---	37	40
		240	6.0	20,500	5.9	39	---	40	---	39	40
8 kW 5 lbs. ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	5.9	43	---	⁴ 45	---	43	45
		220	6.7	22,900	5.9	46	---	50	---	46	50
		230	7.3	25,100	5.9	47	---	50	---	47	50
		240	8.0	27,300	5.9	49	---	50	---	49	50
9 kW 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	5.9	48	---	⁴ 50	---	48	50
		220	7.6	25,800	5.9	50	---	⁴ 50	---	50	60
		230	8.3	28,200	5.9	52	---	60	---	52	60
		240	9.0	30,700	5.9	54	---	60	---	54	60
12.5 kW 10 lbs. ECB38-12.5CB (16V95) (1) 30A and (1) 45A Circuit breaker	2	208	9.4	32,000	5.9	26	38	30	⁴ 40	64	70
		220	10.5	35,800	5.9	27	40	30	⁴ 40	67	70
		230	11.5	39,200	5.9	28	42	30	45	70	70
		240	12.5	42,600	5.9	29	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	5.9	30	45	⁴ 30	⁴ 50	75	80
		220	12.6	43,000	5.9	31	48	35	⁴ 50	79	80
		230	13.8	47,000	5.9	32	50	35	⁴ 50	82	90
		240	15.0	51,200	5.9	33	52	35	60	86	90
20 kW 19 lbs. ECB38-20CB (16V97) (2) 60A Circuit breaker	2	208	15.0	51,200	5.9	48	50	⁴ 50	⁴ 50	98	100
		220	16.8	57,300	5.9	50	53	⁴ 50	60	103	110
		230	18.4	62,700	5.9	52	55	60	60	107	110
		240	20.0	68,200	5.9	54	57	60	60	112	125

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-036 | THREE 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 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
8 kW 5 lbs. ECB38-8 (16V99) Terminal Block	1	208	6.0	20,500	5.9	28	---	30	---	28	30
		220	6.7	22,900	5.9	29	---	30	---	29	30
		230	7.3	25,100	5.9	30	---	30	---	30	35
		240	8.0	27,300	5.9	31	---	35	---	31	35
10 kW 6 lbs. ECB38-10 (16W67) Terminal Block	1	208	7.5	25,600	5.9	33	---	35	---	33	35
		220	8.4	28,700	5.9	35	---	35	---	35	35
		230	9.2	31,400	5.9	36	---	40	---	36	40
		240	10.0	34,100	5.9	37	---	40	---	37	40
15 kW 12 lbs. ECB38-15CB (16W68) 50A Circuit breaker	1	208	11.3	38,400	5.9	46	---	50	---	46	50
		220	12.6	43,000	5.9	49	---	50	---	49	50
		230	13.5	47,000	5.9	51	---	⁴60	---	51	60
		240	15.0	51,200	5.9	52	---	⁴60	---	52	60
20 kW 19 lbs. ECB38-20CB (16W69) (2) 35A Circuit breaker	2	208	15.0	51,200	5.9	33	26	35	⁴30	59	60
		220	16.8	57,300	5.9	35	28	35	⁴30	62	70
		230	18.4	62,700	5.9	36	29	⁴40	⁴30	65	70
		240	20.0	68,200	5.9	37	30	⁴40	35	67	70

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-042 | 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 1	Ckt 2	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	7.4	27	---	430	---	27	30
		220	3.4	11,450	7.4	28	---	430	---	28	30
		230	3.7	12,550	7.4	29	---	430	---	29	30
		240	4.0	13,650	7.4	30	---	430	---	30	35
5 kW 4 lbs. ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	7.4	32	---	35	---	32	35
		220	4.2	14,300	7.4	33	---	35	---	33	35
		230	4.6	15,700	7.4	34	---	35	---	34	35
		240	5.0	17,100	7.4	35	---	35	---	35	40
6 kW 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	38	---	40	---	38	40
		230	5.5	18,800	7.4	39	---	40	---	39	40
		240	6.0	20,500	7.4	41	---	445	---	41	45
8 kW 5 lbs. ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	7.4	45	---	445	---	45	50
		220	6.7	22,900	7.4	47	---	50	---	47	50
		230	7.3	25,100	7.4	49	---	50	---	49	50
		240	8.0	27,300	7.4	51	---	460	---	51	60
9 kW 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	7.4	50	---	445	---	50	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
12.5 kW 10 lbs. ECB38-12.5CB (16V95) (1) 30A and (1) 45A Circuit breaker	2	208	9.4	32,000	7.4	28	38	30	440	66	70
		220	10.5	35,800	7.4	29	40	30	440	69	70
		230	11.5	39,200	7.4	30	42	30	45	72	80
		240	12.5	42,600	7.4	31	44	435	45	74	80
15 kW 12 lbs. ECB38-15CB (16V96) (1) 35A and (1) 60A Circuit breaker	2	208	11.3	38,400	7.4	32	45	35	450	77	80
		220	12.6	43,000	7.4	33	48	35	450	81	90
		230	13.5	47,000	7.4	34	50	35	450	84	90
		240	15.0	51,200	7.4	35	52	35	60	87	90
20 kW 19 lbs. ECB38-20CB (16V97) (2) 60A Circuit breaker	2	208	15.0	51,200	7.4	50	50	450	450	100	100
		220	16.8	57,300	7.4	52	53	60	60	105	110
		230	18.4	62,700	7.4	54	55	60	60	109	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.

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-042 | THREE 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 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
8 kW 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
10 kW 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
15 kW 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	---	⁴60	---	51	60
		230	13.5	47,000	7.4	52	---	⁴60	---	52	60
		240	15.0	51,200	7.4	54	---	⁴60	---	54	60
20 kW 19 lbs. ECB38-20CB (16W69) (2) 35A Circuit breaker	2	208	15.0	51,200	7.4	35	26	⁴40	⁴30	61	70
		220	16.8	57,300	7.4	37	28	⁴40	⁴30	64	70
		230	18.4	62,700	7.4	38	29	⁴40	⁴30	67	70
		240	20.0	68,200	7.4	39	30	⁴40	35	69	70

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 | 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	7.4	27	---	---	⁴30	---	---	27	30
		220	3.4	11,450	7.4	28	---	---	⁴30	---	---	28	30
		230	3.7	12,550	7.4	29	---	---	⁴30	---	---	29	30
		240	4.0	13,650	7.4	30	---	---	⁴30	---	---	30	35
5 kW 4 lbs. ECB38-5 (16V88) Terminal Block ECB38-5CB (16V89) 35A Circuit breaker	1	208	3.8	12,800	7.4	32	---	---	35	---	---	32	35
		220	4.2	14,300	7.4	33	---	---	35	---	---	33	35
		230	4.6	15,700	7.4	34	---	---	35	---	---	34	35
		240	5.0	17,100	7.4	35	---	---	35	---	---	35	40
6 kW 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	38	---	---	40	---	---	38	40
		230	5.5	18,800	7.4	39	---	---	40	---	---	39	40
		240	6.0	20,500	7.4	41	---	---	⁴45	---	---	41	45
8 kW 5 lbs. ECB38-8 (16V92) Terminal Block ECB38-8CB (16V93) 50A Circuit breaker	2	208	6.0	20,500	7.4	45	---	---	⁴45	---	---	45	50
		220	6.7	22,900	7.4	47	---	---	50	---	---	47	50
		230	7.3	25,100	7.4	49	---	---	50	---	---	49	50
		240	8.0	27,300	7.4	51	---	---	⁴60	---	---	51	60
9 kW 5 lbs. ECB38-9CB (16V94) 60A Circuit breaker	2	208	6.8	23,100	7.4	50	---	---	⁴50	---	---	50	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
12.5 kW 10 lbs. ECB38-12.5CB (16V95) (1) 30A and (1) 45A Circuit breaker	2	208	9.4	32,000	7.4	28	38	---	30	⁴40	---	66	70
		220	10.5	35,800	7.4	29	40	---	30	⁴40	---	69	70
		230	11.5	39,200	7.4	30	42	---	30	45	---	72	80
		240	12.5	42,600	7.4	31	44	---	⁴35	45	---	74	80
15 kW 12 lbs. ECB38-15CB (16V96) (1) 35A and (1) 60A Circuit breaker	2	208	11.3	38,400	7.4	32	45	---	35	⁴50	---	77	80
		220	12.6	43,000	7.4	33	48	---	35	⁴50	---	81	90
		230	13.5	47,000	7.4	34	50	---	35	⁴50	---	84	90
		240	15.0	51,200	7.4	35	52	---	35	60	---	87	90
20 kW 19 lbs. ECB38-20CB (16V97) (2) 60A Circuit breaker	2	208	15.0	51,200	7.4	50	50	---	⁴50	⁴50	---	100	100
		220	16.8	57,300	7.4	52	53	---	60	60	---	105	110
		230	18.4	62,700	7.4	54	55	---	60	60	---	109	110
		240	20.0	68,200	7.4	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	7.4	47	38	38	⁴50	⁴40	⁴40	122	125
		220	21.0	71,700	7.4	49	40	40	⁴50	⁴40	⁴40	129	150
		230	23.0	78,300	7.4	51	42	42	60	45	45	134	150
		240	25.0	85,300	7.4	53	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	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 1	Ckt 2	³ Minimum Circuit Ampacity	⁵ Maximum Overcurrent Protection
8 kW 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
10 kW 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
15 kW 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	---	⁴60	---	51	60
		230	13.5	47,000	7.4	52	---	⁴60	---	52	60
		240	15.0	51,200	7.4	54	---	⁴60	---	54	60
20 kW 19 lbs. ECB38-20CB (16W69) (2) 35A Circuit breaker	2	208	15.0	51,200	7.4	35	26	⁴40	⁴30	61	70
		220	16.8	57,300	7.4	37	28	⁴40	⁴30	64	70
		230	18.4	62,700	7.4	38	29	⁴40	⁴30	67	70
		240	20.0	68,200	7.4	39	30	⁴40	35	69	70
25 kW 19 lbs. ECB38-25CB (16W70) (1) 50A and (1) 40A Circuit breaker	2	208	18.8	64,100	7.4	42	33	⁴45	⁴35	74	80
		220	21.0	71,700	7.4	44	34	⁴45	⁴35	78	80
		230	23.0	78,300	7.4	45	36	50	40	81	90
		240	25.0	85,300	7.4	47	38	50	40	84	90

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.

REVISIONS

Sections	Description of Change
Electric Heat Data	CBA25UHV data updated for 042-048 and 060 models.



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