# ELECTRIC HEAT DATA

**CBK45UHPT | CBK45UHET | CBK45UHVT | CBK47UHET | CBK48MVT**

**RESIDENTIAL**
**PRODUCT SPECIFICATIONS (EHB)**

## CONTENTS



## REPLACEMENT CIRCUIT BREAKERS

| Voltage | Description | Order Number |
|---|---|---|
| 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** |

Form Number 211099 | September 2024
Supersedes all previous versions

## ELECTRIC HEAT DATA — CBK45UHET-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** | ECB45-4 (**27A08**) Terminal Block<br>ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block<br>ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block<br>ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block<br>ECB45-10CB (**27A15**) 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 |

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 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 | 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (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** | ECB45-15CB (**27A17**) (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 — CBK45UHET-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (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** | ECB45-15CB (**27A17**) (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 — CBK45UHET-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<br>ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block<br>ECB45-5CB (**27A13**) 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 | - - - | [4] **35** | - - - | - - - | - - - |
| | | 240 | 4.8 | 16,400 | 6.0 | 33 | - - - | [4] **35** | - - - | - - - | - - - |
| **7.5 kW** | ECB45-7.5 (**27A10**) Terminal Block<br>ECB45-7.5CB (**27A14**) 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 | - - - | [4] **50** | - - - | - - - | - - - |
| **10 kW** | ECB45-10 (**27A11**) Terminal Block<br>ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (1) 50A and (1) 25A Circuit Breaker | 208 | 9.4 | 32,000 | 6.0 | 45 | 19 | [4] **45** | [4] **20** | 64 | 70 |
| | | 220 | 10.5 | 35,800 | 6.0 | 47 | 20 | 50 | [4] **20** | 67 | 70 |
| | | 230 | 11.5 | 39,200 | 6.0 | 49 | 21 | 50 | 25 | 70 | 70 |
| | | 240 | 12.5 | 42,600 | 6.0 | 51 | 22 | [4] **60** | 25 | 73 | 80 |
| **15 kW** | ECB45-15CB (**27A17**) (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 — CBK45UHET-048 | CBK45UHET-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 | 7.6 | 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (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** | ECB45-15CB (**27A17**) (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** | ECB45-20CB (**27A18**) (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 — CBK45UHVT-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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 — CBK45UHVT-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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 — CBK45UHVT-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (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** | ECB45-15CB (**27A17**) (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 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 | 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (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** | ECB45-15CB (**27A17**) (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 — CBK45UHVT-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<br>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<br>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<br>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<br>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 |

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 — CBK45UHVT-048 | CBK45UHVT-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 — CBK45UHPT-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 30A Circuit Breaker | 208 | 3.0 | 10,250 | 1.1 | 19 | [4] **20** |
| | | 220 | 3.4 | 11,450 | 1.1 | 20 | [4] **20** |
| | | 230 | 3.7 | 12,550 | 1.1 | 21 | [4] **25** |
| | | 240 | 4.0 | 13,650 | 1.1 | 22 | [4] **25** |
| **5 kW** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 30A Circuit Breaker | 208 | 3.6 | 12,300 | 1.1 | 23 | [4] **25** |
| | | 220 | 4.0 | 13,800 | 1.1 | 24 | [4] **25** |
| | | 230 | 4.4 | 15,000 | 1.1 | 25 | [4] **25** |
| | | 240 | 4.8 | 16,400 | 1.1 | 26 | 30 |
| **7.5 kW** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 45A Circuit Breaker | 208 | 5.6 | 19,200 | 1.1 | 35 | **35** |
| | | 220 | 6.3 | 21,500 | 1.1 | 37 | [4] **40** |
| | | 230 | 6.9 | 23,500 | 1.1 | 39 | [4] **40** |
| | | 240 | 7.5 | 25,600 | 1.1 | 40 | [4] **40** |
| **10 kW** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 60A Circuit Breaker | 208 | 7.2 | 24,600 | 1.1 | 45 | [4] **45** |
| | | 220 | 8.0 | 27,500 | 1.1 | 47 | [4] **50** |
| | | 230 | 8.8 | 30,000 | 1.1 | 49 | [4] **50** |
| | | 240 | 9.6 | 32,700 | 1.1 | 51 | 60 |

## ELECTRIC HEAT DATA — CBK45UHPT-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 30A Circuit Breaker | 208 | 3.0 | 10,250 | 1.6 | 20 | [4] **20** |
| | | 220 | 3.4 | 11,450 | 1.6 | 21 | [4] **25** |
| | | 230 | 3.7 | 12,550 | 1.6 | 22 | [4] **25** |
| | | 240 | 4.0 | 13,650 | 1.6 | 23 | [4] **25** |
| **5 kW** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 30A Circuit Breaker | 208 | 3.6 | 12,300 | 1.6 | 24 | [4] **25** |
| | | 220 | 4.0 | 13,800 | 1.6 | 25 | [4] **25** |
| | | 230 | 4.4 | 15,000 | 1.6 | 26 | 30 |
| | | 240 | 4.8 | 16,400 | 1.6 | 27 | 30 |
| **7.5 kW** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 45A Circuit Breaker | 208 | 5.6 | 19,200 | 1.6 | 36 | [4] **40** |
| | | 220 | 6.3 | 21,500 | 1.6 | 38 | [4] **40** |
| | | 230 | 6.9 | 23,500 | 1.6 | 39 | [4] **40** |
| | | 240 | 7.5 | 25,600 | 1.6 | 41 | 45 |
| **10 kW** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 60A Circuit Breaker | 208 | 7.2 | 24,600 | 1.6 | 45 | [4] **45** |
| | | 220 | 8.0 | 27,500 | 1.6 | 48 | [4] **50** |
| | | 230 | 8.8 | 30,000 | 1.6 | 50 | [4] **50** |
| | | 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 — CBK45UHPT-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 30A Circuit Breaker | 208 | 3.0 | 10,250 | 2.2 | 21 | - - - | [4] **25** | - - - | - - - | - - - |
| | | 220 | 3.4 | 11,450 | 2.2 | 22 | - - - | [4] **25** | - - - | - - - | - - - |
| | | 230 | 3.7 | 12,550 | 2.2 | 23 | - - - | [4] **25** | - - - | - - - | - - - |
| | | 240 | 4.0 | 13,650 | 2.2 | 24 | - - - | [4] **25** | - - - | - - - | - - - |
| **5 kW** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 30A Circuit Breaker | 208 | 3.6 | 12,300 | 2.2 | 24 | - - - | [4] **25** | - - - | - - - | - - - |
| | | 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 | - - - | - - - | - - - |
| **7.5 kW** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 45A Circuit Breaker | 208 | 5.6 | 19,200 | 2.2 | 37 | - - - | [4] **40** | - - - | - - - | - - - |
| | | 220 | 6.3 | 21,500 | 2.2 | 39 | - - - | [4] **40** | - - - | - - - | - - - |
| | | 230 | 6.9 | 23,500 | 2.2 | 40 | - - - | [4] **40** | - - - | - - - | - - - |
| | | 240 | 7.5 | 25,600 | 2.2 | 42 | - - - | 45 | - - - | - - - | - - - |
| **10 kW** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 60A Circuit Breaker | 208 | 7.2 | 24,600 | 2.2 | 46 | - - - | [4] **50** | - - - | - - - | - - - |
| | | 220 | 8.0 | 27,500 | 2.2 | 49 | - - - | [4] **50** | - - - | - - - | - - - |
| | | 230 | 8.8 | 30,000 | 2.2 | 51 | - - - | 60 | - - - | - - - | - - - |
| | | 240 | 9.6 | 32,700 | 2.2 | 53 | - - - | 60 | - - - | - - - | - - - |
| **12.5 kW** | ECB45-12.5CB (**27A16**) (1) 50A and (1) 25A Circuit Breaker | 208 | 9.4 | 32,000 | 2.2 | 40 | 19 | [4] **40** | [4] **20** | 59 | 60 |
| | | 220 | 10.5 | 35,800 | 2.2 | 43 | 20 | [4] **45** | [4] **20** | 62 | 70 |
| | | 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** | ECB45-15CB (**27A17**) (1) 60A and (1) 25A Circuit Breaker | 208 | 10.8 | 36,900 | 2.2 | 46 | 22 | [4] **50** | 25 | 68 | 70 |
| | | 220 | 12.1 | 41,300 | 2.2 | 49 | 23 | [4] **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.

[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 — CBK45UHPT-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** | ECB45-4 (**27A08**) Terminal Block ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (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** | ECB45-15CB (**27A17**) (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 — CBK45UHPT-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<br>ECB45-4CB (**27A12**) 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** | ECB45-5 (**27A09**) Terminal Block<br>ECB45-5CB (**27A13**) 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** | ECB45-7.5 (**27A10**) Terminal Block<br>ECB45-7.5CB (**27A14**) 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** | ECB45-10 (**27A11**) Terminal Block<br>ECB45-10CB (**27A15**) 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** | ECB45-12.5CB (**27A16**) (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** | ECB45-15CB (**27A17**) (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 — CBK47UHET-018 | SINGLE PHASE

| | Electic 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. | ECB47-4 (**27A30**) Terminal Block ECB47-4CB (**27A29**) 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. | ECB47-5 (**27A31**) Terminal Block ECB47-5CB (**27A24**) 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. | ECB47-6 (**27A26**) Terminal Block ECB47-6CB (**27A25**) 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. | ECB47-8 (**27A21**) Terminal Block ECB47-8CB (**27A32**) 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. | ECB47-9 (**27A22**) Terminal Block ECB47-9CB (**27A27**) 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 |

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 — CBK47UHET-024 | SINGLE PHASE

| | Electic 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. | ECB47-4 (**27A30**) Terminal Block ECB47-4CB (**27A29**) 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. | ECB47-5 (**27A31**) Terminal Block ECB47-5CB (**27A24**) 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. | ECB47-6 (**27A26**) Terminal Block ECB47-6CB (**27A25**) 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. | ECB47-8 (**27A21**) Terminal Block ECB47-8CB (**27A32**) 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. | ECB47-9CB (**27A27**) 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 |

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 — CBK47UHET-030 | SINGLE PHASE

| Electic 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. ECB47-4 (**27A30**) Terminal Block ECB47-4CB (**27A29**) 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. ECB47-5 (**27A31**) Terminal Block ECB47-5CB (**27A24**) 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. ECB47-6 (**27A26**) Terminal Block ECB47-6CB (**27A25**) 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. ECB47-8 (**27A21**) Terminal Block ECB47-8CB (**27A32**) 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. ECB47-9 (**27A22**) Terminal Block ECB47-9CB (**27A27**) 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 | - - - | - - - | - - - |
| **12.5 kW** 10 lbs. ECB47-12.5CB (**27A28**) (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. ECB47-15CB (**27A23**) (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. ECB47-8 (**27A44**) 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. ECB47-10 (**27A35**) 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. ECB47-15CB (**27A36**) (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 — CBK47UHET-036 | SINGLE PHASE

| | Electic 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. | ECB47-4 (**27A30**) Terminal Block ECB47-4CB (**27A29**) 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. | ECB47-5 (**27A31**) Terminal Block ECB47-5CB (**27A24**) 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. | ECB47-6 (**27A26**) Terminal Block ECB47-6CB (**27A25**) 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. | ECB47-8 (**27A21**) Terminal Block ECB47-8CB (**27A32**) 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. | ECB47-9 (**27A22**) Terminal Block ECB47-9CB (**27A27**) 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 | - - - | - - - | - - - |
| **12.5 kW** 10 lbs. | ECB47-12.5CB (**27A28**) (1) 30A Circuit Breaker and (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. | ECB47-15CB (**27A23**) (1) 35A Circuit Breaker and (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 |
| **20 kW** 19 lbs. | ECB47-20CB (**27A33**) (1) 60A Circuit Breaker and (1) 60A Circuit Breaker | 2 | 208 | 15.0 | 51,200 | 4.1 | 46 | 50 | [4] **50** | [4] **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.

[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 — CBK47UHET-036 | THREE PHASE

| Electic 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. | ECB47-8 (**27A44**) 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. | ECB47-10 (**27A35**) 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 | - - - | - - - | - - - |
| | ECB47-10 (**27A38**) (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. | ECB47-15CB (**27A36**) (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 | - - - | - - - | - - - |
| | ECB47-15 (**27A39**) (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. | ECB47-20CB (**27A37**) (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 — CBK47UHET-042 | SINGLE PHASE

| Electic 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. ECB47-4 (**27A30**) Terminal Block ECB47-4CB (**27A29**) 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. ECB47-5 (**27A31**) Terminal Block ECB47-5CB (**27A24**) 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. ECB47-6 (**27A26**) Terminal Block ECB47-6CB (**27A25**) 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. ECB47-8 (**27A21**) Terminal Block ECB47-8CB (**27A32**) 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. ECB47-9 (**27A22**) Terminal Block ECB47-9CB (**27A27**) 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. ECB47-12.5CB (**27A28**) (1) 30A Circuit Breaker and (1) 45A Circuit Breaker | 2 | 208 | 9.4 | 32,000 | 7.6 | 28 | 38 | - - - | 30 | [4] **40** | - - - | 66 | 80 |
| | | 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. ECB47-15CB (**27A23**) (1) 35A Circuit Breaker and (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. ECB47-20CB (**27A33**) (1) 60A Circuit Breaker and (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. ECB47-25CB (**27A34**) (1) 60A Circuit Breaker and (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 |

[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 — CBK47UHET-042 | THREE PHASE

| Electic 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** ECB47-8 (**27A44**) 5 lbs. 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** ECB47-10 (**27A35**) 6 lbs. 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** ECB47-15CB (**27A36**) 12 lbs. 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** ECB47-20CB (**27A37**) 19 lbs. (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** ECB47-25CB (**27A45**) 19 lbs. (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.

| Electic 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. ECB47-4 (**27A30**) Terminal Block ECB47-4CB (**27A29**) 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. ECB47-5 (**27A31**) Terminal Block ECB47-5CB (**27A24**) 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. ECB47-6 (**27A26**) Terminal Block ECB47-6CB (**27A25**) 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. ECB47-8 (**27A21**) Terminal Block ECB47-8CB (**27A32**) 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. ECB47-9 (**27A22**) Terminal Block ECB47-9CB (**27A27**) 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. ECB47-12.5CB (**27A28**) (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. ECB47-15CB (**27A23**) (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. ECB47-20CB (**27A33**) (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. ECB47-25CB (**27A34**) (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 — CBK47UHET-048 | THREE PHASE

| | Electic 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. | ECB47-8 (**27A44**) 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. | ECB47-10 (**27A35**) 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 | - - - | - - - | - - - |
| | ECB47-10 (**27A38**) (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 | - - - | - - - | - - - |
| **15 kW** 12 lbs. | ECB47-15CB (**27A36**) 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** | - - - | - - - | - - - |
| | ECB47-15 (**27A39**) (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 | - - - | - - - | - - - |
| **20 kW** 19 lbs. | ECB47-20CB (**27A37**) (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 |
| | ECB47-20 (**27A40**) (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 | - - - | - - - | - - - |
| | [6] ECB47-20 (**27A43**) (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 | - - - | - - - | - - - |
| **25 kW** 19 lbs. | ECB47-25CB (**27A45**) (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 |
| | ECB47-25 (**27A42**) (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 | - - - | - - - | - - - |
| | [6] ECB47-25 (**27A41**) (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.

[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 — CBK47UHET-060 | SINGLE PHASE

| | Electic 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. | ECB47-4 (**27A30**) Terminal Block ECB47-4CB (**27A29**) 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. | ECB47-5 (**27A31**) Terminal Block ECB47-5CB (**27A24**) 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. | ECB47-6 (**27A26**) Terminal Block ECB47-6CB (**27A25**) 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. | ECB47-8 (**27A21**) Terminal Block ECB47-8CB (**27A32**) 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. | ECB47-9 (**27A22**) Terminal Block ECB47-9CB (**27A27**) 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. | ECB47-12.5CB (**27A28**) (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. | ECB47-15CB (**27A23**) (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. | ECB47-20CB (**27A33**) (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. | ECB47-25CB (**27A34**) (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 — CBK47UHET-060 | THREE PHASE

| | Electic 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. | ECB47-8 (**27A44**) 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. | ECB47-10 (**27A35**) 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 | - - - | - - - | - - - |
| | ECB47-10 (**27A38**) (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 | - - - | - - - | - - - |
| **15 kW** 12 lbs. | ECB47-15CB (**27A36**) 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** | - - - | - - - | - - - |
| | ECB47-15 (**27A39**) (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 | - - - | - - - | - - - |
| **20 kW** 19 lbs. | ECB47-20CB (**27A37**) (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 |
| | ECB47-20 (**27A40**) (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 | - - - | - - - | - - - |
| | [6] ECB47-20 (**27A43**) (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 | - - - | - - - | - - - |
| **25 kW** 19 lbs. | ECB47-25CB (**27A45**) (2) 45A Circuit Breaker | 2 | 208 | 18.8 | 64,100 | 7.6 | 42 | 33 | 45 | [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 |
| | ECB47-25 (**27A42**) (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 | - - - | - - - | - - - |
| | [6] ECB47-25 (**27A41**) (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.

[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.

| 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. ECB48-4 **(27A46)** Terminal Block ECB48-4CB **(27A50)** 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. ECB48-5 **(27A47)** Terminal Block ECB48-5CB **(27A51)** 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. ECB48-6 **(27A48)** Terminal Block ECB48-6CB **(27A52)** 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. ECB48-8 **(27A49)** Terminal Block ECB48-8CB **(27A53)** 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. ECB48-9CB **(27A54)** 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 — CBK48MVT-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. ECB48-4 **(27A46)** Terminal Block ECB48-4CB **(27A50)** 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. ECB48-5 **(27A47)** Terminal Block ECB48-5CB **(27A51)** 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. ECB48-6 **(27A48)** Terminal Block ECB48-6CB **(27A52)** 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. ECB48-8 **(27A49)** Terminal Block ECB48-8CB **(27A53)** 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. ECB48-9CB **(27A54)** 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. ECB48-12.5CB **(27A55)** (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. ECB48-15CB **(27A56)** (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 — CBK48MVT-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. | ECB48-5 **(27A47)** Terminal Block ECB48-5CB **(27A51)** 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. | ECB48-6 **(27A48)** Terminal Block ECB48-6CB **(27A52)** 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. | ECB48-8 **(27A49)** Terminal Block ECB48-8CB **(27A53)** 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. | ECB48-9CB **(27A54)** 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. | ECB48-12.5CB **(27A55)** (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. | ECB48-15CB **(27A56)** (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. | ECB48-20CB **(27A57)** (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 — CBK48MVT-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** ECB48-8 **(27A61)** Terminal Block 5 lbs. | 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** ECB48-10 **(27A62)** Terminal Block 6 lbs. | 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** ECB48-15CB **(27A63)** 50A Circuit Breaker 12 lbs. | 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 | - - - | **[4] 60** | - - - | 51 | 60 |
| | | 240 | 15.0 | 51,200 | 5.9 | 52 | - - - | **[4] 60** | - - - | 52 | 60 |
| **20 kW** ECB48-20CB **(27A64)** (2) 35A Circuit Breaker 19 lbs. | 2 | 208 | 15.0 | 51,200 | 5.9 | 33 | 26 | 35 | **[4] 30** | 59 | 60 |
| | | 220 | 16.8 | 57,300 | 5.9 | 35 | 28 | 35 | **[4] 30** | 62 | 70 |
| | | 230 | 18.4 | 62,700 | 5.9 | 36 | 29 | **[4] 40** | **[4] 30** | 65 | 70 |
| | | 240 | 20.0 | 68,200 | 5.9 | 37 | 30 | **[4] 40** | 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 — CBK48MVT-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. | ECB48-4 **(27A46)** Terminal Block ECB48-4CB **(27A50)** 35A Circuit Breaker | 1 | 208 | 3.0 | 10,250 | 7.4 | 27 | - - - | [4] **30** | - - - | 27 | 30 |
| | | | 220 | 3.4 | 11,450 | 7.4 | 28 | - - - | [4] **30** | - - - | 28 | 30 |
| | | | 230 | 3.7 | 12,550 | 7.4 | 29 | - - - | [4] **30** | - - - | 29 | 30 |
| | | | 240 | 4.0 | 13,650 | 7.4 | 30 | - - - | [4] **30** | - - - | 30 | 35 |
| **5 kW** 4 lbs. | ECB48-5 **(27A47)** Terminal Block ECB48-5CB **(27A51)** 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. | ECB48-6 **(27A48)** Terminal Block ECB48-6CB **(27A52)** 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 | - - - | [4] **45** | - - - | 41 | 45 |
| **8 kW** 5 lbs. | ECB48-8 **(27A49)** Terminal Block ECB48-8CB **(27A53)** 50A Circuit Breaker | 2 | 208 | 6.0 | 20,500 | 7.4 | 45 | - - - | [4] **45** | - - - | 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 | - - - | [4] **60** | - - - | 51 | 60 |
| **9 kW** 5 lbs. | ECB48-9CB **(27A54)** 60A Circuit Breaker | 2 | 208 | 6.8 | 23,100 | 7.4 | 50 | - - - | [4] **45** | - - - | 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. | ECB48-12.5CB **(27A55)** (1) 30A and (1) 45A Circuit Breaker | 2 | 208 | 9.4 | 32,000 | 7.4 | 28 | 38 | 30 | [4] **40** | 66 | 70 |
| | | | 220 | 10.5 | 35,800 | 7.4 | 29 | 40 | 30 | [4] **40** | 69 | 70 |
| | | | 230 | 11.5 | 39,200 | 7.4 | 30 | 42 | 30 | 45 | 72 | 80 |
| | | | 240 | 12.5 | 42,600 | 7.4 | 31 | 44 | [4] **35** | 45 | 74 | 80 |
| **15 kW** 12 lbs. | ECB48-15CB **(27A56)** (1) 35A and (1) 60A Circuit Breaker | 2 | 208 | 11.3 | 38,400 | 7.4 | 32 | 45 | 35 | [4] **50** | 77 | 80 |
| | | | 220 | 12.6 | 43,000 | 7.4 | 33 | 48 | 35 | [4] **50** | 81 | 90 |
| | | | 230 | 13.5 | 47,000 | 7.4 | 34 | 50 | 35 | [4] **50** | 84 | 90 |
| | | | 240 | 15.0 | 51,200 | 7.4 | 35 | 52 | 35 | 60 | 87 | 90 |
| **20 kW** 19 lbs. | ECB48-20CB **(27A57)** (2) 60A Circuit Breaker | 2 | 208 | 15.0 | 51,200 | 7.4 | 50 | 50 | [4] **50** | [4] **50** | 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 — CBK48MVT-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** ECB48-8 **(27A61)** 5 lbs. 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** ECB48-10 **(27A62)** 6 lbs. 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** ECB48-15CB **(27A63)** 12 lbs. 50A Circuit Breaker | 1 | 208 | 11.3 | 38,400 | 7.4 | 48 | - - - | 50 | - - - | 48 | 50 |
| | | 220 | 12.6 | 43,000 | 7.4 | 51 | - - - | [4] **60** | - - - | 51 | 60 |
| | | 230 | 13.5 | 47,000 | 7.4 | 52 | - - - | [4] **60** | - - - | 52 | 60 |
| | | 240 | 15.0 | 51,200 | 7.4 | 54 | - - - | [4] **60** | - - - | 54 | 60 |
| **20 kW** ECB48-20CB **(27A64)** 19 lbs. (2) 35A Circuit Breaker | 2 | 208 | 15.0 | 51,200 | 7.4 | 35 | 26 | [4] **40** | [4] **30** | 61 | 70 |
| | | 220 | 16.8 | 57,300 | 7.4 | 37 | 28 | [4] **40** | [4] **30** | 64 | 70 |
| | | 230 | 18.4 | 62,700 | 7.4 | 38 | 29 | [4] **40** | [4] **30** | 67 | 70 |
| | | 240 | 20.0 | 68,200 | 7.4 | 39 | 30 | [4] **40** | 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 — CBK48MVT-048 AND CBK48MVT-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. | ECB48-4 **(27A46)** Terminal Block ECB48-4CB **(27A50)** 35A Circuit Breaker | 1 | 208 | 3.0 | 10,250 | 7.4 | 27 | - - - | - - - | [4] **30** | - - - | - - - | 27 | 30 |
| | | | 220 | 3.4 | 11,450 | 7.4 | 28 | - - - | - - - | [4] **30** | - - - | - - - | 28 | 30 |
| | | | 230 | 3.7 | 12,550 | 7.4 | 29 | - - - | - - - | [4] **30** | - - - | - - - | 29 | 30 |
| | | | 240 | 4.0 | 13,650 | 7.4 | 30 | - - - | - - - | [4] **30** | - - - | - - - | 30 | 35 |
| **5 kW** 4 lbs. | ECB48-5 **(27A47)** Terminal Block ECB48-5CB **(27A51)** 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. | ECB48-6 **(27A48)** Terminal Block ECB48-6CB **(27A52)** 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 | - - - | - - - | [4] **45** | - - - | - - - | 41 | 45 |
| **8 kW** 5 lbs. | ECB48-8 **(27A49)** Terminal Block ECB48-8CB **(27A53)** 50A Circuit Breaker | 2 | 208 | 6.0 | 20,500 | 7.4 | 45 | - - - | - - - | [4] **45** | - - - | - - - | 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 | - - - | - - - | [4] **60** | - - - | - - - | 51 | 60 |
| **9 kW** 5 lbs. | ECB48-9CB **(27A54)** 60A Circuit Breaker | 2 | 208 | 6.8 | 23,100 | 7.4 | 50 | - - - | - - - | [4] **50** | - - - | - - - | 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. | ECB48-12.5CB **(27A55)** (1) 30A and (1) 45A Circuit Breaker | 2 | 208 | 9.4 | 32,000 | 7.4 | 28 | 38 | - - - | 30 | [4] **40** | - - - | 66 | 70 |
| | | | 220 | 10.5 | 35,800 | 7.4 | 29 | 40 | - - - | 30 | [4] **40** | - - - | 69 | 70 |
| | | | 230 | 11.5 | 39,200 | 7.4 | 30 | 42 | - - - | 30 | 45 | - - - | 72 | 80 |
| | | | 240 | 12.5 | 42,600 | 7.4 | 31 | 44 | - - - | [4] **35** | 45 | - - - | 74 | 80 |
| **15 kW** 12 lbs. | ECB48-15CB **(27A56)** (1) 35A and (1) 60A Circuit Breaker | 2 | 208 | 11.3 | 38,400 | 7.4 | 32 | 45 | - - - | 35 | [4] **50** | - - - | 77 | 80 |
| | | | 220 | 12.6 | 43,000 | 7.4 | 33 | 48 | - - - | 35 | [4] **50** | - - - | 81 | 90 |
| | | | 230 | 13.5 | 47,000 | 7.4 | 34 | 50 | - - - | 35 | [4] **50** | - - - | 84 | 90 |
| | | | 240 | 15.0 | 51,200 | 7.4 | 35 | 52 | - - - | 35 | 60 | - - - | 87 | 90 |
| **20 kW** 19 lbs. | ECB48-20CB **(27A57)** (2) 60A Circuit Breaker | 2 | 208 | 15.0 | 51,200 | 7.4 | 50 | 50 | - - - | [4] **50** | [4] **50** | - - - | 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. | ECB48-25CB **(27A58)** (1) 60A and (2) 45A Circuit Breaker | 3 | 208 | 18.8 | 64,100 | 7.4 | 47 | 38 | 38 | [4] **50** | [4] **40** | [4] **40** | 122 | 125 |
| | | | 220 | 21.0 | 71,700 | 7.4 | 49 | 40 | 40 | [4] **50** | [4] **40** | [4] **40** | 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 — CBK48MVT-048 AND CBK48MVT-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. ECB48-8 **(27A61)** 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. ECB48-10 **(27A62)** 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. ECB48-15CB **(27A63)** 50A Circuit Breaker | 1 | 208 | 11.3 | 38,400 | 7.4 | 48 | - - - | 50 | - - - | 48 | 50 |
| | | 220 | 12.6 | 43,000 | 7.4 | 51 | - - - | [4] **60** | - - - | 51 | 60 |
| | | 230 | 13.5 | 47,000 | 7.4 | 52 | - - - | [4] **60** | - - - | 52 | 60 |
| | | 240 | 15.0 | 51,200 | 7.4 | 54 | - - - | [4] **60** | - - - | 54 | 60 |
| **20 kW** 19 lbs. ECB48-20CB **(27A64)** (2) 35A Circuit Breaker | 2 | 208 | 15.0 | 51,200 | 7.4 | 35 | 26 | [4] **40** | [4] **30** | 61 | 70 |
| | | 220 | 16.8 | 57,300 | 7.4 | 37 | 28 | [4] **40** | [4] **30** | 64 | 70 |
| | | 230 | 18.4 | 62,700 | 7.4 | 38 | 29 | [4] **40** | [4] **30** | 67 | 70 |
| | | 240 | 20.0 | 68,200 | 7.4 | 39 | 30 | [4] **40** | 35 | 69 | 70 |
| **25 kW** 19 lbs. ECB48-25CB **(27A65)** (1) 50A and (1) 40A Circuit Breaker | 2 | 208 | 18.8 | 64,100 | 7.4 | 42 | 33 | [4] **45** | [4] **35** | 74 | 80 |
| | | 220 | 21.0 | 71,700 | 7.4 | 44 | 34 | [4] **45** | [4] **35** | 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.



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