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### ENERGENCE™ ELECTRIC HEAT DATA

#### LCH420S (35 TON) 230V-3PH

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#### Note

- The table provides data for different electric heat sizes and supply air blower motor hp configurations.
- It includes information on minimum circuit ampacity and maximum overcurrent protection for various configurations.
- The data is for 230V-3PH systems.

LCH Electric Heat Data - 2010-02  Page 5
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### Engineering Data Supplement

**460V-3PH**

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# ENERGENCE™

## ELECTRIC HEAT DATA

### LCH420S (35 TON)

### 575V-3PH

## ENGINEERING DATA SUPPLEMENT

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### ENGINEERING DATA SUPPLEMENT

**208V-3-ph Supply Air Blower Motor hp**

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**Note:** The table above provides the electric heat data for the LCH420H (35 TON) electric heat unit. It includes specifications such as electric heat size, supply air blower motor hp, and maximum overcurrent protection (amps) for different power outputs and static exhaust configurations. The data is organized in a tabular format for ease of reference.
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LCH Electric Heat Data - 2010-02
**ENGINEERING DATA SUPPLEMENT**

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## ELECTRIC HEAT DATA SUPPLEMENT

### LCH420H (35 TON)

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## ENGINEERING DATA SUPPLEMENT

### 208V-3ph

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**Note:**
- Electric Heat Without Power Exhaust
- Minimum Circuit Ampacity
- Maximum Overcurrent Protection
- Electric Heat With 50% Standard Static Power Exhaust (1) 1 hp
- Minimum Circuit Ampacity
- Maximum Overcurrent Protection
### ENERGENCE™

#### ELECTRIC HEAT DATA

#### LCH480S (40 TON)

#### 460V-3PH

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## ELECTRIC HEAT DATA

### LCH480S (40 TON)

#### 575V-3PH

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### LCH480H (40 TON)

### 460V-3PH

### Engineering Data Supplement

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**LCH480H (40 TON)**

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### ENERGENCE™ ELECTRIC HEAT DATA

#### LCH480H (40 TON)

#### 460V-3PH

**ENGINEERING DATA SUPPLEMENT**

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## ELECTRIC HEAT DATA
### LCH480H (40 TON)
#### 575V-3PH

**ENGINEERING DATA SUPPLEMENT**

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| Electric Heat With 100% Standard Static Power Exhaust (2) 1 hp Maximum Overcurrent Protection (amps) | 30 | 80 | 80 | 90 | 90 | 100 | 110 | 110 |
| | 45 | 80 | 80 | 90 | 90 | 100 | 110 | 110 |
| | 60 | 80 | 80 | 90 | 90 | 100 | 110 | 110 |
| | 75 | 90 | 100 | 100 | 110 | 110 | 125 | 125 |
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| | 120 | 150 | 150 | 150 | 175 | 175 | 175 | 200 |
| | 135 | 150 | 150 | 175 | 175 | 175 | 175 | 200 |
| | 150 | 175 | 175 | 175 | 175 | 200 | 200 | 200 |

| Electric Heat With 50% High Static Power Exhaust (1) 3 hp Minimum Circuit Ampacity (amps) | 30 | 75 | 78 | 80 | 87 | 94 | 100 | 106 |
| | 45 | 75 | 78 | 80 | 87 | 94 | 100 | 106 |
| | 60 | 75 | 78 | 80 | 87 | 94 | 100 | 106 |
| | 75 | 86 | 90 | 93 | 100 | 106 | 113 | 119 |
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| | 135 | 144 | 148 | 150 | 158 | 164 | 170 | 177 |
| | 150 | 159 | 162 | 165 | 172 | 178 | 185 | 191 |

<p>| Electric Heat With 50% High Static Power Exhaust (1) 3 hp Maximum Overcurrent Protection (amps) | 30 | 80 | 80 | 90 | 90 | 100 | 110 | 110 |
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| | 60 | 80 | 80 | 90 | 90 | 100 | 110 | 110 |
| | 75 | 90 | 100 | 100 | 110 | 110 | 125 | 125 |
| | 90 | 110 | 110 | 110 | 125 | 125 | 150 | 150 |
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| Electric Heat with 50% High Static Power Exhaust (1) 5 hp | 30  | 78  | 80  | 82  | 90  | 96  | 102 | 108 |
| Minimum Circuit Ampacity (amps) | 45  | 78  | 80  | 82  | 90  | 96  | 102 | 108 |
| 575V-3ph | 60  | 78  | 80  | 82  | 90  | 96  | 102 | 108 |
| 75  | 89  | 93  | 95  | 103 | 109 | 115 | 122 |
| 90  | 104 | 107 | 110 | 117 | 123 | 130 | 136 |
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| 135 | 147 | 151 | 153 | 161 | 167 | 173 | 179 |
| 150 | 161 | 165 | 167 | 175 | 181 | 187 | 194 |

| Electric Heat with 50% High Static Power Exhaust (1) 5 hp | 30  | 80  | 90  | 90  | 100 | 100 | 110 | 110 |
| Maximum Overcurrent Protection (amps) | 45  | 80  | 90  | 90  | 100 | 100 | 110 | 110 |
| 575V-3ph | 60  | 80  | 90  | 90  | 100 | 100 | 110 | 110 |
| 75  | 90  | 100 | 100 | 110 | 110 | 125 | 125 |
| 90  | 110 | 110 | 125 | 125 | 125 | 150 | 150 |
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| 150 | 175 | 175 | 175 | 200 | 200 | 200 | 200 |
## Electric Heat Data Supplement

**LCH480H (40 Ton)**

**575V-3PH**

### Electric Heat with 100% High Static Power Exhaust (2) 5 hp

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## Electric Heat Data

### LCH480H (40 TON)

**575V-3PH**

### Engineering Data Supplement

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**ENGINERING DATA SUPPLEMENT**

**ENERGENCE™ ELECTRIC HEAT DATA**

**LCH540S (45 TON)**

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## LCH540S (50 TON)

### ELECTRIC HEAT DATA

#### 460V-3PH

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**LCH540S (50 TON)**

#### 460V-3PH

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**LCH540S (50 TON)**

## 460V-3PH

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### LCH540S (45 TON)

#### 575V-3PH

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## Engineering Data Supplement

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## ELECTRIC HEAT DATA

### LCH540S (45 TON) 575V-3PH

#### ENGINEERING DATA SUPPLEMENT

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## Engineering Data Supplement

### Electric Heat Data - 2010-02

**LCH600S (50 Ton)**

**230V-3PH**

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**Supply Air Blower Motor hp**
## ENERGENCE™

### ELECTRIC HEAT DATA

#### LCH600S (50 TON)

**230V-3PH**

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**460V-3ph**

**Supply Air Blower Motor hp**
## ELECTRIC HEAT DATA

### LCH600S (50 TON)

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### ENERGENCE™
### ELECTRIC HEAT DATA
### LCH600S (50 TON)
### 460V-3PH

#### MINIMUM CIRCUIT AMPCACITY (amps)

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#### MAXIMUM OVERCURRENT PROTECTION (amps)

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#### ELECTRIC HEAT WITH 50% HIGH STATIC POWER EXHAUST (1) 7.5 hp

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## ENGINEERING DATA SUPPLEMENT

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| Electric Heat Without Power Exhaust Maximum Overcurrent Protection (amps) | 45 | 90 | 90 | 90 | 100 | 100 | 100 | 110 |
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| | 90 | 100 | 110 | 110 | 125 | 125 | 125 | 150 |
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| | 150 | 175 | 175 | 175 | 175 | 200 | 200 | 200 |
| | 165 | 175 | 175 | 175 | 200 | 200 | 200 | 225 |
| | 180 | 200 | 200 | 200 | 200 | 225 | 225 | 225 |

| Electric Heat With 50% Standard Static Power Exhaust (1) 1 hp Minimum Circuit Ampacity (amps) | 45 | 84 | 87 | 89 | 95 | 100 | 105 | 110 |
| | 60 | 84 | 87 | 89 | 95 | 100 | 105 | 110 |
| | 75 | 84 | 88 | 90 | 98 | 104 | 110 | 116 |
| | 90 | 98 | 102 | 105 | 112 | 118 | 125 | 131 |
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| | 120 | 127 | 131 | 133 | 141 | 147 | 153 | 160 |
| | 135 | 142 | 145 | 148 | 155 | 162 | 168 | 174 |
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| | 165 | 171 | 174 | 177 | 184 | 191 | 197 | 203 |
| | 180 | 185 | 189 | 191 | 199 | 205 | 211 | 217 |

<p>| Electric Heat With 50% Standard Static Power Exhaust (1) 1 hp Maximum Overcurrent Protection (amps) | 45 | 90 | 90 | 90 | 100 | 110 | 110 | 125 |
| | 60 | 90 | 90 | 90 | 100 | 110 | 110 | 125 |
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## Electric Heat Data

**LCH600S (50 Ton)**

**575V-3PH**

### Engineering Data Supplement

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## Engineering Data Supplement

### LCH600S (50 Ton) 575V-3PH

- **Electric Heat Size**
- **Electric Heat With 100% High Static Power Exhaust (2) 7.5 hp**
- **Supply Air Blower Motor hp**
- **Minimum Circuit Ampacity (amps)**
- **Maximum Overcurrent Protection (amps)**

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