



# Lochinvar®

## LIGHT DUTY COMMERCIAL ELECTRIC WATER HEATER

Submittal Sheet

CLD-Sub-05

### LIGHT DUTY COMMERCIAL ELECTRIC WATER HEATERS

Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Engineer: \_\_\_\_\_

Agent/Wholesaler: \_\_\_\_\_

Contractor: \_\_\_\_\_

Model No. \_\_\_\_\_ Gal. Cap. \_\_\_\_\_

Voltage/Phase \_\_\_\_\_ kW \_\_\_\_\_

Recovery Rate in GPH \_\_\_\_\_ @ \_\_\_\_\_ °F Rise

Equipment Tag(s): \_\_\_\_\_

#### NOTES:

#### Standard Features

- Meets ASHRAE Energy Efficiency Standards.
- 300 psi Test Pressure, 150 psi Working Pressure.
- Glass-Lined Steel Tank
- Non-CFC Foam Insulation
- Adjustable Thermostats
- Automatic Overheat Protection
- Tank Saver Anode
- Temperature and Pressure Relief Valve
- 3 Year Limited Tank Warranty, 1 Year Limited Parts Warranty (See warranty for details)

#### Dimensions

| Model No. | Gal. Cap. | A | B | C | D | Ship Wgt. |
|-----------|-----------|---|---|---|---|-----------|
|-----------|-----------|---|---|---|---|-----------|

##### Point-of-Use Models

|          |    |         |         |         |   |    |
|----------|----|---------|---------|---------|---|----|
| EJW006FS | 6  | 15-1/2" | 14-1/4" | 11"     | - | 35 |
| EJW010FS | 10 | 18-1/4" | 18"     | 12-1/2" | - | 54 |
| EJW015FS | 15 | 26"     | 18"     | 20-1/2" | - | 58 |
| EJW020FS | 20 | 22-1/4" | 21-3/4" | 15-1/2" | - | 73 |

##### Short Models

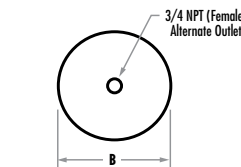
|          |    |         |         |         |    |     |
|----------|----|---------|---------|---------|----|-----|
| ESX030KD | 30 | 31"     | 21-3/4" | 24-1/4" | 8" | 109 |
| ESX040KD | 40 | 32-1/4" | 24"     | 25-1/2" | 8" | 138 |
| ESX050KD | 50 | 32-1/4" | 26-1/2" | 25-1/4" | 8" | 184 |

##### Tall Models

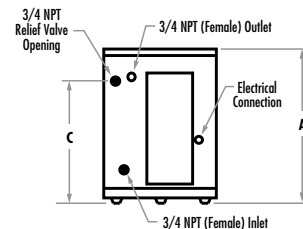
|          |     |         |         |   |    |     |
|----------|-----|---------|---------|---|----|-----|
| ETX030KD | 30  | 34-1/2" | 20-1/2" | - | 8" | 105 |
| ETX040KD | 40  | 45-1/4" | 20-1/2" | - | 8" | 122 |
| ETX050KD | 50  | 55"     | 20-1/2" | - | 8" | 140 |
| ETX065KD | 66  | 60-3/4" | 21-3/4" | - | 8" | 166 |
| ETX080KD | 80  | 59-1/2" | 24"     | - | 8" | 200 |
| ETX120KD | 119 | 62-1/2" | 29-1/2" | - | 8" | 337 |

"S" indicates single element, "D" indicates dual elements

#### Point-of-Use Models



TOP VIEW - P.O.U. 6/10/15/20



FRONT VIEW - EJ 6/10/15/20

#### NOTES:

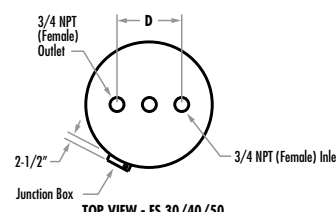
Point of Use models are non-simultaneous circuit only.

P.O.U. models available in single phase only.

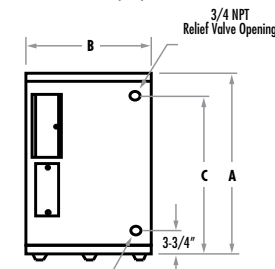
6 gallon P.O.U. not available above 2500 Watts or in 480 V.

Short & Tall models are factory wired for three phase service and are field converted to single phase.

#### Short Models

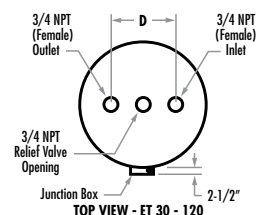


TOP VIEW - ES 30/40/50

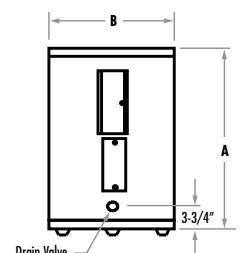


FRONT VIEW - ES 30/40/50

#### Tall Models



TOP VIEW - ET 30 - 120



FRONT VIEW - ET 30 - 120

## LIGHT DUTY COMMERCIAL MODELS - SPECIFICATIONS & OPTIONS



### For Ease in Ordering by Model Number

| E     | T    | X       | 050           | K       | D                |
|-------|------|---------|---------------|---------|------------------|
| MODEL | TALL | VOLTAGE | TANK CAPACITY | WATTAGE | ELEMENT QUANTITY |

ETX050KD is:

- Commercial Electric Model
- Tall Style
- 480 Volts
- 50 gallon tank capacity
- 4500 watt element (ea.)
- Two elements (Dual - upper & lower)

### VOLTAGE SCHEDULE (EJ Models)

|   |      |      |
|---|------|------|
| C | 120V | 1 PH |
| J | 208V | 1 PH |
| A | 240V | 1 PH |
| W | 277V | 1 PH |
| V | 480V | 1 PH |

### (ES & ET Models)

|   |      |           |
|---|------|-----------|
| T | 208V | 1 or 3 PH |
| P | 240V | 1 or 3 PH |
| W | 277V | 1 PH      |
| X | 480V | 1 or 3 PH |

### WATTAGE LIMITS w/Simultaneous Operation

|                                |
|--------------------------------|
| 208V - 10,000W (5,000W/5,000W) |
| 240V - 11,000W (5,500W/5,500W) |
| 277V - 12,000W (6,000W/6,000W) |
| 480V - 12,000W (6,000W/6,000W) |

| Wattage | ELEMENT AVAILABILITY SCHEDULE |      |      |      |      | RECOVERY RATE (GPH @ °F) |      |       |       |
|---------|-------------------------------|------|------|------|------|--------------------------|------|-------|-------|
|         | 120V                          | 208V | 240V | 277V | 480V | 40°F                     | 70°F | 100°F | 130°F |
| C-1500  | Yes                           | Yes  | Yes  | Yes  | N/A  | 16                       | 9    | 6     | 5     |
| D-1650  | N/A                           | N/A  | N/A  | N/A  | N/A  | 17                       | 10   | 7     | 5     |
| E-2000  | Yes                           | Yes  | Yes  | Yes  | N/A  | 21                       | 12   | 8     | 6     |
| F-2500  | Yes                           | Yes  | Yes  | Yes  | Yes  | 26                       | 15   | 10    | 8     |
| G-3000  | Yes                           | Yes  | Yes  | Yes  | Yes  | 31                       | 18   | 12    | 10    |
| H-3500  | N/A                           | Yes  | Yes  | N/A  | N/A  | 36                       | 21   | 14    | 11    |
| J-4000  | N/A                           | Yes  | Yes  | Yes  | Yes  | 41                       | 24   | 17    | 13    |
| K-4500  | N/A                           | Yes  | Yes  | Yes  | Yes  | 47                       | 27   | 19    | 14    |
| M-5000  | N/A                           | Yes* | Yes* | N/A  | Yes* | 52                       | 30   | 21    | 16    |
| N-5500  | N/A                           | N/A  | Yes* | N/A  | N/A  | 57                       | 32   | 23    | 17    |
| P-6000  | N/A                           | Yes  | Yes  | Yes  | Yes  | 62                       | 35   | 25    | 19    |

Notes: Max Wattage for EJ-006 is 3000W \* Indicates Not Available for EJ-010 and EJ-015

### FULL LOAD CURRENT IN AMPERES

| Input Wattage | Single Phase |      |      |      |      | Three Phase |             |             |
|---------------|--------------|------|------|------|------|-------------|-------------|-------------|
|               | 120V         | 208V | 240V | 277V | 480V | 208V        | 240V        | 480V        |
| 1500          | 12.5         | 7.2  | 6.3  | 5.4  |      |             |             |             |
| 2000          | 16.7         | 9.6  | 8.3  | 7.2  |      | 8.3/4.8     |             |             |
| 2500          | 20.8         | 12.0 | 10.4 | 9.0  | 5.2  |             |             |             |
| 3000          | 25.0         | 14.4 | 12.5 | 10.8 | 6.3  | 12.5 / 7.2  | 10.8 / 6.3  |             |
| 3500          |              | 16.8 | 14.6 |      |      |             |             |             |
| 4000          |              | 19.2 | 16.7 | 14.4 | 8.3  | 16.7 / 9.6  | 14.4 / 8.3  |             |
| 4500          |              | 21.6 | 18.8 | 16.2 | 9.4  |             |             |             |
| 5000          |              | 24.0 | 20.8 |      | 10.4 | 20.8 / 12.0 | 18.0 / 10.4 | 9.0 / 5.2   |
| 5500          |              |      | 22.9 | 21.7 |      |             |             |             |
| 6000          |              | 28.8 | 25.0 |      | 12.6 | 25.0 / 14.4 | 21.7 / 12.5 | 10.8 / 6.3  |
| 3500 (X2)     |              | 33.6 | 29.2 |      |      | 29.1 / 16.8 | 25.3 / 14.6 |             |
| 4000 (X2)     |              | 38.6 | 33.4 |      | 16.6 | 33.3 / 19.2 | 28.9 / 16.7 | 14.4 / 8.3  |
| 4500 (X2)     |              | 43.2 | 37.6 |      | 18.8 | 37.5 / 21.6 | 32.5 / 18.8 | 16.2 / 9.4  |
| 5000 (X2)     |              | 48.0 | 41.6 |      | 20.8 | 41.6 / 24.0 | 36.1 / 20.8 | 18.0 / 10.4 |
| 5500 (X2)     |              |      | 45.8 |      |      | 46.9 / 26.5 | 39.7 / 22.9 |             |
| 6000 (X2)     |              |      |      | 43.3 | 25.2 |             | 43.5 / 25.0 | 21.7 / 12.5 |



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LOW LEAD CONTENT