



## Boiler Installation & Startup Checklist

Customer Name: \_\_\_\_\_

Date of Installation: \_\_\_\_\_

Installing Company: \_\_\_\_\_

Technician: \_\_\_\_\_

Model EL-200B

Model EL-375B

Model EL-500B

Complete System (w/ EnergyLogic Tank)

Regular System

Serial Number: \_\_\_\_\_

### Building Inspection                      Measurement                      Specification

|                                 |        |  |
|---------------------------------|--------|--|
| Is building insulated           | Y    N |  |
| Secondary backup heat source    | Y    N |  |
| Interior tank capacity          |        |  |
| Make up air                     | Y    N | Necessary if an exhaust fan is operational |
| Total sq. ft. of space (approx) |        |  |

### Set-up & Assembly                      Measurement                      Specification

|                               |  |   |
|-------------------------------|--|---|
| Furnace to floor distance     |  | For regular systems only - using non-EnergyLogic tank |
| Fuel pump to Furnace distance |  | For regular systems only - using non-EnergyLogic tank |
| Fuel tank to Furnace distance |  | For regular systems only - using non-EnergyLogic tank |

### Fuel System                                      Measurement                      Specification

|                               |               |   |
|-------------------------------|---------------|---|
| Fuel Tubing Length (pressure) | H=    V=      | Fuel pump to preheater. H=Horizontal/V=Vertical             |
| Fuel Tubing Length (suction)  |               | Vertical length of pickup if a non-EnergyLogic tank         |
| Pressure Gauge (fuel pump)    |               | 0 to 12 PSI   |
| Vacuum Gauge (fuel pump)      |               | 0"-1" Hg - Complete System/3"-5" Hg - Regular System        |
| Fuel Tank level               | E    1/2    F |   |
| Pipe sealant used             | Y    N        | Do not use teflon tape - all pipe fittings including gauges |
| Leak check                    | Y    N        |   |
| Pickup Filter used            | Y    N        | For Regular Systems only - using non-EnergyLogic tank       |
| Fuel Pickup location          | Y    N        | At least 6" from bottom, for Regular Systems only           |
| Vacuum Test                   | Y    N        | Pump pulls down and holds at 25" Hg                         |
| Spin-Up Test                  | Y    N        | Pump spins up to 55 PSI within 1 second                     |

| Electrical Components        | Measurement | Specification                                       |
|------------------------------|-------------|---|
| Aquastat Settings            | H= L=       | H=high 170-200° F/L=low 160-180° F                  |
| High Limit Aquastat Settings |             | Max. = 230° F                                       |
| Wall Thermostat location     |             | Do not mount on boiler                              |
| 20 Amp Circuit Breaker       | Y N         | Dedicated power supply - 25 Amp Max per UL Standard |

| Flue Set-up                   | Measurement | Specification                                 |
|-------------------------------|-------------|---|
| Max. 45 degree elbow          | Y N         | No more than 45 degrees from vertical         |
| 4' above roof - recommended   | Y N         | Extend 4' above roof within 20' of structures |
| Rain/Wind Cap present on Flue | Y N         |   |
| Double walled                 | Y N         | Double walled at point through ceiling        |
| Barometric Dampener open      | Y N         | Should be open slightly                       |

| Combustion               | Measurement | Specification                          |
|--------------------------|-------------|--|
| CO <sub>2</sub>          |             | Between 10% and 12%                    |
| Air Shutter setting      |             | Model 200: 7 Model 375: 5 Model 500: 9 |
| Draft Gauge zero         |             | Remove probe from stack to zero gauge  |
| Draft in flue stack      |             | + 0.05" Water Column                   |
| Smoke Spot               |             | Zero to Two                            |
| Ohm Reading              |             | 100 to 300 ohms at cad cell            |
| Stack Temperature        |             | Record for monitoring only             |
| Overfire Pressure        |             | Less than +0.02" Water Column          |
| Ten & Ten Light-Off Test |             | Was Light-Off instantaneous each time? |

### Customer Sign-off

|                      |     |  |
|----------------------|-----|--|
| Received Manual      | Y N |  |
| Maintenance overview | Y N |  |
| Warranty overview    | Y N |  |
| Service contact      | Y N | Does customer know who to contact for service? |

Customer Name (printed): \_\_\_\_\_ Date: \_\_\_\_\_

Customer Acceptance Signature: \_\_\_\_\_