

XLD series COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER

ECS - 40/50

ECT - 66/80/120



- Immersion heating element. Standard supplied with incoloy element of 4.5 kW, operating at 380-415 Volt, two elements operating simultaneous providing 9kW recovery capacity
- Surface mounted control thermostats with a temperature range from 48°C/120°F to maximum 77°C/170°F and hi-limit factory fixed setting at 88°C/190°F.
- Thermostats are accurate to $\pm 2.5^{\circ}\text{C}/5^{\circ}\text{F}$.
- Diffuser dip tube carries incoming cold water from the top connection, to the bottom of the tank to minimize mixing with the hot water in the tank. Helps reduce lime and sediment buildup while maximizing hot water output. Made from long-lasting PEX cross-linked polymer.
- Our Coregard™ anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.
- Durable, tamper-resistant brass drain valve
- The internal pressure tank is constructed of heavy duty carbon steel. Maximum working pressure is rated at 150psi/10bar. Test pressure per UL 174 std is 300psi/20bar.
- Specially developed commercial grade glass coating protects steel tank from corrosion and maximizes tank life.
- Factory installed, side-mounted, CSA/ASME certified T&P safety relief valve is standard on all models.
- All models are equipped with factory installed heat traps on the inlet and outlet connections to improve energy efficiency.
- Code compliance meets the Federal Energy Efficiency Standards according to the 2004 edition of the National Appliance Energy Conservation Act (NAECA) of 1992 and standby loss requirements of the U. S. Department of Energy and Current Edition of ASHRAE/IES 90.1.
- Comply with UL 174, GSO, PAI and IEC 60335-2-21.



هيئة التقييس
لدول مجلس التعاون لدول الخليج العربية
GCC Standardization Organization

SAMPLE SPECIFICATION

The heater(s) shall be Light Duty Series Commercial Electric Model Number _____ as manufactured by A.O. Smith. Heater(s) shall be rated at _____ kW, _____ volts, _____ phase, 60 cycle AC, and listed by Underwriters' Laboratories. Tank(s) shall be _____ (40 or 120) gallon capacity. Tanks shall have 150 psi working pressure and be equipped with extruded high density anode. Electric heating elements shall be low watt density. Each element shall be controlled by an individually mounted thermostat and high temperature cut-off switch. The outer jacket shall be of baked enamel finish and shall enclose the tank with foam insulation. The drain valve shall be located in the front for ease of servicing. Heater tank shall have a six year limited warranty as outlined in the written warranty. Meets standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

| Model number | Gallon capacity | Energy factor | First Hour Rating (Gallons) | Voltage | Element wattage | Total input | Recovery @45°C Rise Gallons Per Hour | Dimensions | | | Approx. Shipping Weight (lbs) |
|--------------|-----------------|---------------|-----------------------------|-----------|-----------------|-------------|--------------------------------------|------------|----|----|-------------------------------|
| | | | | | | | | A | B | C | |
| ECS 40XLD | 38 | 0,92 | 61 | 400V-415V | 3000/3000 | 6000 | 31 | 48 | 41 | 20 | 103 |
| ECS 40XLD | 38 | 0,92 | 76 | 400V-415V | 4500/4500 | 9000 | 46 | 48 | 41 | 20 | 103 |
| ECS 50XLD | 50 | 0,90 | 71 | 400V-415V | 3000/3000 | 6000 | 31 | 48 | 41 | 22 | 121 |
| ECS 50XLD | 50 | 0,90 | 86 | 400V-415V | 4500/4500 | 9000 | 46 | 48 | 41 | 22 | 121 |
| ECT 66XLD | 61 | 0,88 | 79 | 400V-415V | 3000/3000 | 6000 | 31 | 60 | 53 | 21 | 178 |
| ECT 66XLD | 61 | 0,88 | 95 | 400V-415V | 4500/4500 | 9000 | 46 | 60 | 53 | 21 | 178 |
| ECT 80XLD | 73 | 0,86 | 89 | 400V-415V | 3000/3000 | 6000 | 31 | 61 | 52 | 23 | 191 |
| ECT 80XLD | 73 | 0,86 | 104 | 400V-415V | 4500/4500 | 9000 | 46 | 61 | 52 | 23 | 191 |
| ECT 120XLD | 106 | 0,83 | 115 | 400V-415V | 3000/3000 | 6000 | 31 | 62 | 55 | 28 | 278 |
| ECT 120XLD | 106 | 0,83 | 131 | 400V-415V | 4500/4500 | 9000 | 46 | 62 | 55 | 28 | 278 |

Recoveries are rounded to nearest gallon, and are based upon the standard element offering.

Water connections – 3/4" on all models.

This model is not available with top-mounted T&P valve.

