

EZ Series Advanced Oil Burners



EZ-1
EZ-2
EZ-3

The EZ Series of advanced oil burners combines Carlin's 65 years of proven burner technology and reliability with our premium line of controls and high efficiency components to deliver ultra-quiet operation, electronic reliability and unmatched performance.

- **Ultra-Quiet Operation**
- **Electronic Reliability**
- **Unmatched Performance**



Optional easy-to-install, low-cost cover is available to fit the EZ Series of burners.

Carlin[®]
Combustion Technology, Inc.

EZ Series Advanced Oil Burners

EZ-1, EZ-2, EZ-3

Quiet Operation

- Unique blower design nearly eliminates fan noise
- Combustion and ignition noise virtually eliminated by the unique nose cone design

Electronic Reliability

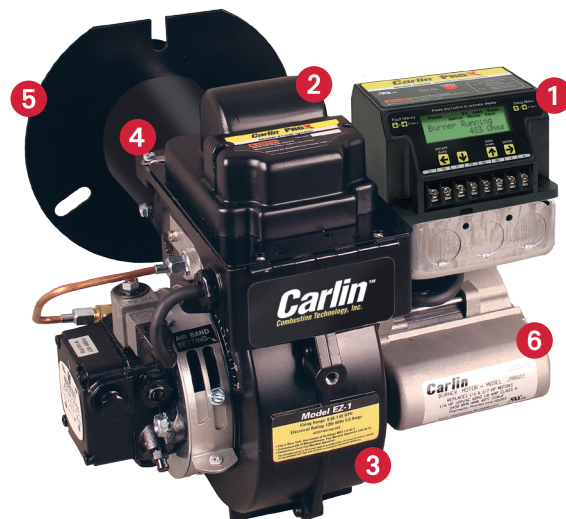
- Comes standard with time-tested solid state ignition and state-of-the-art microprocessor control technology

Carlin Pro-X 70200 Universal Oil Primary Control, featuring Last Fault Alert, Detailed Fault History, and simple to use navigation buttons with LCD Display

Carlin Pro-X 45000 Universal Ignitor – Engineered and tested for unquestionable durability

Unmatched Performance

- EZ Burner design yields exceptional fuel/air mixing for wide range of operation
- 5, 7, 9 or 11-inch air tube and combustion head, with 18 SR stainless steel nose cone
- Oil pump with secondary internal cone valve provides added shut-off protection
- OEM Specified – Manufactured to OEM specifications to optimize appliance efficiency and performance
- High quality PSC Motor provides required torque while reducing energy consumption



- 1 Carlin 70200 Microprocessor Control
- 2 Carlin 45000 Solid State Ignitor
- 3 Cast Aluminum Blower Housing
- 4 Continuous Welded Seam Air Tube
- 5 Welded Flange
- 6 Carlin PSC Motor

SPECIFICATIONS

Input

0.50 to 2.6 GPH
70,000 to 364,000 BTUH

Fuels

U.S. – No. 1 or No. 2 Fuel oil
Canada – No. 1 Stove oil or No. 2 Furnace oil

Electrical

Power – 120 vac/60 hz/1-phase
Current – Approximately 5.8 amps
Limit circuit input – 120 vac/60 hz
Motor (PSC) – 1/6 hp, 3450 rpm
Oil valve power – 120 vac/60 hz
Nozzle line heater – 120 vac/60 hz
Alarm contacts (isolated) – 24 vac/vdc, 2 amps

Ignition

Carlin Model 45000 solid state electronic ignitor
Ignition voltage – 14,000 volts

Control

Carlin Model 70200 microprocessor control

- 15-sec. Trial for ignition (TFI)
- Pump prime
- Serviceman reset protection (Latch-up after three consecutive lockouts)
- Interrupted duty ignition
- Recycle on flame failure

Operating Temperature Limits

Maximum ambient – 140°F (60°C)

Agencies

UL Listed (US & Canada)



FIRING RATE RANGES		
Model	Range (GPH)	Head Bar Selections*
EZ-1	0.50 - 1.65	7 options: 0.50; 0.60-0.65; 0.75; 0.85-1.00; 1.10-1.25; 1.35-1.50; 1.65 GPH
EZ-2	1.50 - 2.25	4 options: 1.50; 1.65-1.75; 2.00; 2.25 GPH
EZ-3	2.00 - 2.65	3 options: 2.00; 2.25; 2.60 GPH

* Head bars, supplied in kits with each burner, position the flame retention ring assembly correctly in the air tube for the given firing range. See burner manual for details.

Carlin[®]
Combustion Technology, Inc.

126 Bailey Road, North Haven, CT 06473 • 203-680-9401
www.carlincombustion.com