

KERR OIL FURNACES AND WOOD BOILERS

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CENTRAL HEATING WOOD PRODUCTS

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This section contains product and technical information only.

For additional information and product pricing please contact your local ECCO Supply Sales Branch.

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PARADIGM CONDENSING OIL-FIRED FURNACE

The KERR PARADIGM condensing oil-fired warm air furnace represents a shift forward in oilheating technology.

Hyper Efficient™

The Paradigm's condensing technology delivers a leap forward in efficiency. Capable of steady state efficiencies up to 97%, the Paradigm is significantly more efficient than most ENERGY STAR® qualified oil-fired furnaces. Higher efficiency means reduced fuel consumption and that means lower fuel bills for you, year after year.

Maximized Savings

In addition to improved efficiencies, the Paradigm yields big electrical savings. Part of the KERR MAX series of furnaces, the Paradigm is equipped with an electronically commutating motor (ECM) which substantially reduces furnace fan electricity usage. These savings multiply if you use your furnace as part of an air conditioning or air circulation system.

Greenhouse Gas Friendly

The Paradigm can decrease greenhouse gas emissions (GHGs) by up to 3300 pounds per year per unit depending on operational factors.

Remarkably Comfortable

"It's not the heat, it's the humidity". You've heard the saying. Well, the Paradigm's innovative control by Granby Labs dehumidifies and cools like no other. The Paradigm takes advantage of Kerr ECM technology and the full capability of today's high efficiency two stage air conditioning equipment. In summer, the Paradigm extracts the maximum amount of humidity from the air by slowing air movement down before the AC system chills it. Kerr calls it TRUE AIR MODULATION. Their patent pending system also tempers those bothersome blasts of air during heating season, delivering a steady, constant heat.

Easy Integration

The Paradigm is designed to seamlessly integrate with other heating/cooling appliances such as heat pumps, wood and electric-fired furnaces.



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PARADIGM CONDENSING OIL-FIRED FURNACE (cont'd)

Features

SERIES	MAX
Condensing Technology	Yes
Efficiency (Steady State)	97%
Efficiency (AFUE)	95.4%
ENERGY STAR® Qualified	Yes
Output (Btu/h)	66,500 – 98,000
Air Conditioning Ready	4 Tons
Direct Vent Capable	Yes
Kerr ECM Technology	Yes
Utility Savings	Yes
True Air Modulation	Yes
2 Stage AC Dehumidification	Yes
Vestibule (Optional)	Yes

Dimensions

Configuration	Low Boy
Unit	36" H × 23" W × 47-1/2" D
Cold Air Return	18-1/4" D × 18-1/4" W
Hot Air Supply	21-1/2" × 20-3/4"
Air Filter	20" × 20" × 2" (Pleated)
Opening Heights (From Floor)	Burner Cleanout – 15"; Smoke Pipe Cleanout – 25"
Venting	3" Diameter – IPEX System 636 or Equivalent
Burner Insertion Depth	As Per Installation Instructions

Clearance to Combustibles

Top	6"
Front	24"
Rear	24"
Side (Non-Access)	6"
Side (Access)	24"
Return Air Side – Ductwork	1"
Flue Pipe	0"
Floor	6"
Air Conditioning Coil Location	Greater of 6" Minimum Above Cabinet or AC Coil Manufacturers' Requirement
Draft Pressure	Positive 0.5" of Water Column Depending Upon the Vent Length
Over-Fire Pressure	Positive 0.75" of Water Column Depending Upon the Vent Length
Heat Exchanger Materials	Premium Stainless Steel
Fuel	No Heavier Than No. 2 Fuel Oil (ASTM D396, CAN/CGSB 3.2)
Shipping Weight	370 Lbs
Electrical	120 Volts, 60 Hz CANADA < 12 A USA < 13.3 A Circuit Protection 20 A
Condensate Treatment	Yes
Limited Lifetime Warranty	Yes

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OIL-FIRED MULTI-POSITIONAL FURNACE SERIES

High Efficiency ENERGY STAR®

Don't let the small size fool you. These ENERGY STAR® qualified units pack a lot of power and energy savings into each versatile design. Multi-positional means they're right for any job. Their compact size lets them fit where others won't, even accommodating today's larger HI-SEER A-Coils.

Frontiers of Savings

Kerr is pleased to offer a number of options on the multi-positional series, each offering new levels of comfort and savings while continuing to incorporate all the great features that have kept Kerr customers happy for over 30 years.

EVO Series

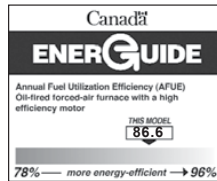
The EVO series incorporates Kerr's EVO control system for steady, even comfort. The new EVO series offers cutting edge fan motor control compared to conventional furnace technology. The EVO TRUE air modulation provides improved heating, cooling, and dehumidification for a comfortable home.

Go all the way and step up to the MAX Series

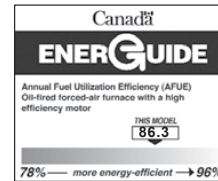
The MAX series features all the benefits offered with the EVO series, but goes one step further by incorporating Kerr ECM technology. Not only will you be living in greater comfort, the ECM technology will provide utility cost savings on your heating/cooling bills year after year.



Kerr stands behind every product it sells and carries one of the best warranties in the business.



Compact-multi



Summit-multi

Units available with:



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OIL-FIRED MULTI-POSITIONAL FURNACE SERIES (cont'd)

Features

	COMPACT-MULTI			SUMMIT-MULTI		
	CLASSIC AIR	EVO	MAX	CLASSIC AIR	EVO	MAX
Btu/h output	73,000 – 98,000	73,000 – 98,000	73,000 – 98,000	107,000 – 164,000	107,000 – 164,000	107,000 – 164,000
Air Conditioning Ready	3 Tons	3 Tons	3 Tons	3 or 5 Tons	5 Tons	5 Tons
Field Reversible Breech	✓	✓	✓	✓	✓	✓
Horizontal, Upflow or Downflow	✓	✓	✓	✓	✓	✓
Direct Vent Capable	✓	✓	✓	✓	✓	✓
"Quick Heat" Chamber Free Design	✓	✓	✓	✓	✓	✓
EVO Management System	–	✓	–	–	✓	–
Kerr ECM Technology	–	–	✓	–	–	✓
True Air Modulation (Cools and Dehumidifies)	–	✓	✓	–	✓	✓
Utility Savings (Heating and Cooling)	–	–	✓	–	–	✓
Vestibule (Optional)	✓	✓	✓	–	–	–
Space Heater Kit (Optional)	✓	✓	✓	–	–	–
ENERGY STAR® Qualified	✓	✓	✓	✓	✓	✓

Dimensions

	COMPACT-MULTI	SUMMIT-MULTI
Unit	44-1/4" H x 19-1/2" W x 22-7/8" D	51-1/4" H x 22" W x 25" D
Supply Plenum	18-1/4" x 21-5/8"	23-1/2" x 21"
Return Plenum	17-1/2" x 20"	18-1/2" x 23-1/2"
Air Filter	18" x 24" x 2"	20" x 24" x 2"
Cleanout (Front)	Burner Opening – Breech Opening and Clean-Out Cover	Burner Opening – Breech Opening and Clean-Out Cover
5" Breech	Suitable for L Vent, Oil Certified Manufactured Chimney	Suitable for L Vent, Oil Certified Manufactured Chimney
Shipping Weight	240 Lbs	296 Lbs

Clearance to Combustibles

	COMPACT-MULTI		SUMMIT-MULTI	
	HORIZONTAL	UPFLOW/DOWNFLOW*	HORIZONTAL	UPFLOW/DOWNFLOW*
Top	6"	1" (Plenum)	6"	1" (Plenum)
Front	24"	24"	24"	24"
Rear (Rear Breech)	18"	18"	18"	18"
Rear (Front Breech)	6"	2"	6"	6"
Flue Pipe	9"	9"	9"	9"
Side (Access)	6" (24")	2" (24")	6" (24")	6" (24")
Return Air Side	1"	1"	1"	1"
Floor	6"	Combustible*	6"	Combustible*

*Downflow must have sub base.

Classic/Classic Air downflow position requires a mandatory K4C/K6C-DFH kit with secondary fan and limit control.

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OIL-FIRED LOWBOY FURNACE SERIES

High Efficiency ENERGY STAR®

Whether you're building a new home or replacing your existing furnace, Kerr's high-efficiency ENERGY STAR® qualified LOWBOY series units fits the bill. Their compact size lets them fit where others won't, even accommodating today's larger HI-SEER A-Coils.

The Contour is ideal for retrofits or new installations in today's larger homes, while the Eclipse is a perfect fit for today's smaller, energy efficient homes or electric conversions.

The EVO series incorporates Kerr's EVO control system for steady, even comfort. Their new EVO series offers cutting edge fan motor control compared to conventional furnace technology. The EVO's TRUE air modulation provides improved heating, cooling and dehumidification for a comfortable, healthy home.

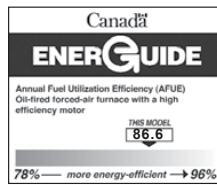
The MAX series features all the benefits the EVO series has to offer while integrating Kerr ECM technology. ECM technology provides the homeowner with a comfortable home while giving utility cost savings on heating and cooling bills.

Kerr stands behind every product it sells and carries one of the best warranties in the business.

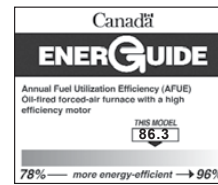
EVO



Eclipse



Contour



Units available with:



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OIL-FIRED LOWBOY FURNACE SERIES (cont'd)

Features

	ECLIPSE			CONTOUR		
	CLASSIC AIR	EVO	MAX	CLASSIC AIR	EVO	MAX
Btu/h Output	72,000 – 97,000	72,000 – 97,000	72,000 – 97,000	110,000 – 163,000	110,000 – 163,000	110,000 – 163,000
Air Conditioning Ready	3 Tons	3 Tons	3 Tons	3 or 5 Tons	5 Tons	5 Tons
Field Reversible Breech With Optional Kit	✓	✓	✓	✓	✓	✓
Direct Vent Capable (No Chimney = Lower Install Cost)	✓	✓	✓	✓	✓	✓
"Quick Heat" Chamber Free Design	✓	✓	✓	✓	✓	✓
EVO Management System	-	✓	-	-	✓	-
Kerr ECM Technology	-	-	✓	-	-	✓
True Air Modulation (Cools and Dehumidifies)	-	✓	✓	-	✓	✓
Utility Savings (Heating and Cooling)	-	-	✓	-	-	✓
ENERGY STAR® Qualified	✓	✓	✓	✓	✓	✓

Dimensions

	ECLIPSE	CONTOUR
Unit	29-3/8" H × 19-1/2" W × 46-7/8" D	36" H × 22-1/8" W × 52-1/2" D
Supply Plenum	18" × 21-3/4"	23-7/8" × 20-3/4"
Return Plenum	18" × 20-3/4"	19" × 20-3/4"
Air Filter	16" × 20" × 1"	20" × 20" × 2"
Clean-Out	Smoke Pipe Cover, Clean-Out Covers, Burner Opening	Smoke Pipe Cover, Clean-Out Covers, Burner Opening
5" Breech	Suitable for L Vent, Direct Vent	Suitable for L Vent, Direct Vent
Shipping Weight	211 Lbs	280 Lbs

Clearance to Combustibles

	ECLIPSE	CONTOUR
Top	1"	1"
Front	24"	24"
Rear	24"	24"
Flue Pipe	9"	9"
Side (Access)	2" (24")	6" (24")
Floor	Non-Combustible	Non-Combustible

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CENTRAL HEATING WOOD PRODUCTS

Heating with wood has been central to Kerr's thinking for over 30 years. Their complete line-up of energy-efficient wood furnaces and boilers offers two options. Used alone, or in combination with existing heating systems, Kerr has the model to suit your needs.

HIGHLANDER TW2000

No job is too tough for the HIGHLANDER Wood Boiler. Ideal for the most demanding residential applications, the unique heat exchanger design greatly reduces cleaning frequency. Paired with a "tankless" hot water coil or an indirect water heater, the HIGHLANDER can also provide domestic hot water.



Highlander TW2000



Scotsman + Add-on



Scotty + Add-on

SCOTSMAN + ADD-ON

The SCOTSMAN is a classic and is designed for large homes that really need the heat. The large 13" cast door and firebox allows for easy stoking of up to 30" logs.

The SCOTSMAN ADD-ON is the same as the SCOTSMAN without the blower and is designed specifically for side-by-side installation with an oil system.

SCOTTY AND SCOTTY ADD-ON

The SCOTTY is designed for today's smaller, tighter homes, offering all the benefits of the SCOTSMAN, but on a smaller scale.

Take the SCOTTY without the built-in full size blower and you have the SCOTTY ADD-ON, designed specifically for side-by-side installation with oil or electrical systems.

MODEL	SCOTSMAN FREE STANDING	SCOTSMAN ADD-ON	SCOTTY FREE STANDING	SCOTTY ADD-ON	HIGHLANDER TW2000
Btu Output (Max)	140,000	140,000	70,000	70,000	70,000
Steady State Output	100,000	100,000	60,000	60,000	55,000
H x W x L	44-1/2" x 29" x 39"	44-1/2" x 29" x 39"	43" x 22-1/2" x 46-1/2"	43" x 22-1/2" x 34"	36" x 22" x 36"
Breech Size	7"	7"	7"	7"	7"
Firebox	36" x 23" Dia.	36" x 23" Dia.	27-1/2" x 18" Dia.	27-1/2" x 18" Dia.	26" x 16" x 36" D
Cast Iron Firedoor (Inside Dim.)	13" x 13"	13" x 13"	12" x 12"	12" x 12"	13" x 13"
Fuel	Up to 30" logs	Up to 30" logs	24" logs	24" logs	30" logs
Warm Air Plenum	32" x 25-3/8"	32" x 25-3/8"	28-7/8" x 20-5/8"	30-1/2" x 21"	-
Return Air Plenum	-	-	14-1/2" x 20-5/8"	-	-
Blower Size	10" Blower Box	-	9"	-	-
Motor	1/3 HP	-	1/4 HP	-	-
C.F.M.	1400	1400	1000	1000	-
Air Filters	16" x 20" x 1"	-	16" x 20" x 1"	-	-
Supply and Return	-	-	-	-	1-1/4" NPT
Shipping Weight (Lbs)	382	392	315	238	600
Control Kit	Kit B	Kit A - 250°	Kit B	Kit A - 280°	Requires Triple Aquastat
Control Kit	Yes	-	Yes	Kit E	Yes
Optional DHW Coil	-	-	-	-	Yes*
Oil	-	Yes	-	Yes	Yes
Electric	-	-	-	Yes	-

Control Kits – For wood-oil or wood electric, Kerr's add-on kits have automatic safety control systems, mounting brackets.

KIT A – Scotsman Add-on – 250° / Scotty Add-on – 280°

KIT B – Scotty and Scotsman (with blower)

KIT E – For any wood electric combination

*Actual flow and temperature rates may vary from coil specification.

NOTE: Add-on duct connection kit available upon request. All specifications subject to change. Reference guide only.
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