

oil furnaces



Oil Furnaces

- Higher AFUE, saving you money.
- Variable Speed Technology.
- Easy Service and Maintenance.

Lowboy

BCL, BFL, BML, BMLV
59,000 - 237,000 BTU

Multiposition

WML, WMLV, MPL
59,000 - 128,000 BTU

Highboy

HML, HMLV, HTL, HTLV
59,000 - 117,000 BTU



keeping families warm for more than 60 years



Managing energy costs while ensuring you receive comfortable, reliable heating is within your control with an Olsen oil furnace. All oil furnaces consume two sources of energy; oil to produce heat and electricity to power the fan motor to distribute the heat. Olsen gives you choices to control both energy costs by offering you high efficiency fuel models and fan motors.

Higher Fuel Efficiency translates into lower oil costs.

AFUE (Annual Fuel Utilization Efficiency)

Higher AFUE = More heat for every dollar spent. AFUE works much like the miles-per-gallon rating on a car – the higher the rating, the lower the fuel costs. Installing a higher AFUE furnace can also equal cash back through energy efficiency rebates and incentives that may be available from a government agency or utility in your area.

Variable Speed (ECM) Technology uses less electricity.



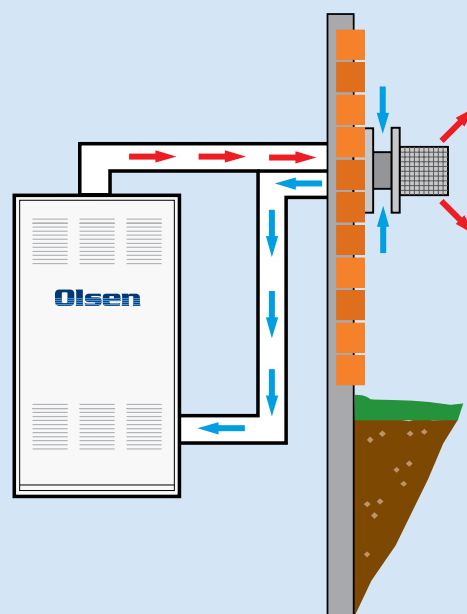
ECM (Electronically Commutated Motor) = Lower operating costs. At full load an ECM fan motor is 20% more efficient than a conventional motor. On continuous fan speed, the ECM motor consumes 60-80 watts compared to 400 watts for a conventional motor – that is an 80% reduction in electricity consumption. Many utilities and government agencies offer consumer rebates for purchasing oil furnaces with ECM motor technology. Your Olsen dealer can tell you if you qualify. ECM technology is good for your wallet and the environment.

DIRECTVENT SIDEWALL Increases Efficiency

Direct Sidewall Venting has become a popular method for venting combustion products through an outside wall of the house rather than up a traditional chimney. As homes age chimney's do as well and they can be costly to maintain or repair. Direct sidewall venting eliminates this cost and increases the furnace's efficiency (see table on page 4 for AFUE ratings).

features and benefits

- Direct Sidewall Vent increases furnace combustion efficiency so you buy less oil.
- Only one wall opening is required for a direct vent installation using Olsen's concentric vent.
- Each Olsen Direct Sidewall vent installation kit comes with all connections from the appliance and requires the Olsen concentric vent terminal. The Olsen Vent Terminal utilizes a two-pipe combustion air/exhaust gas configuration. Because outside air is used for combustion, the system provides greater efficiency and safety.
- The burner provides the necessary pressure for adequate venting of flue products – no additional motors or controls are required.



Cabinet Vestibule Protects reduces operating noise.



Most high-boy and low-boy Olsen furnaces come standard with a vestibule (optional for VML, not available for MPL). The vestibule provides sound attenuation and reduces operating noise. It also protects the controls and burner from accidental contact.



Washing machine
Refrigerator
BMLV
Whisper
db

Superior Heat Exchanger design delivers higher AFUE!

Double pass heat exchanger – Constructed of heavy-gauge metal, the Olsen high-efficiency heat exchanger has a large surface area to maximize heat transfer into your home. The two paths create added flue gas turbulence, which increases efficiency.

Dual clean outs – Easily-accessible dual clean outs allow for quick and efficient routine maintenance of the heat exchanger.



Equipped for Easy Service and Maintenance

Slide out blower tray on high-boy models enable technicians to easily access critical operating components. Full length rails eliminate annoying and time consuming remounting of blower and motor housings.



Warranty Protection

Each Olsen oil furnace comes with a limited lifetime warranty on the heat exchanger and 5 years on parts.

ECR's Home Comfort Products Are Designed to Provide Years of Trouble-Free Operation.

The "Comfort Plus" Extended Warranty program complements ECR's Standard Product Warranty by providing labor coverage and additional years of parts coverage depending on the plan purchased. If you sell your home, the "Comfort Plus" warranty can be transferred to the purchaser, adding to the value of your home. Ask your installer for details on the "Comfort Plus" Extended Warranty program.



Provided and administered by Cornerstone United, Inc.

Olsen Oil Fired Furnaces

Model		Optional Firing Rate GPH	Input/ Output MBH ¹	AFUE Efficiency % Rating				Available Motor Drives			Breech	AC Range TONS
				Chimney Vent		Direct Vent		PSC Direct	ECM Direct	PSC Belt		
				Beckett	Riello	Beckett	Riello					
Low Boy Models	BCL100 BCL120	0.75	105/90	85.5%	87.2%	87.1%	N/A	1/2 HP (3)	N/A	1/3 HP (9)	Rear	2.5 - 4 (2,3)
		0.85	119/100	83.2%	86.2%	86.0%	N/A	1/2 HP (3)	N/A	1/3 HP (9)	Rear	2.5 - 4 (2,3)
		1.00	140/118	84.4%	N/A	85.1%	N/A	1/2 HP (3)	N/A	1/3 HP (9)	Rear	2.5 - 4 (2,3)
	BCL145	1.10	154/130	84.5%	N/A	N/A	N/A	1/2 HP (3)	N/A	1/2 HP (9)	Rear	2.5 - 4 (2,3)
		1.20	168/141	84.0%	N/A	N/A	N/A	1/2 HP (3)	N/A	1/2 HP (9)	Rear	2.5 - 4 (2,3)
	BCL190	1.50	210/177	83.3%	N/A	N/A	N/A	N/A	N/A	3/4 HP	Rear	3 - 4
		1.65	231/194	83.7% (4)	N/A	N/A	N/A	N/A	N/A	3/4 HP	Rear	3 - 4
	BCL190/225	1.50	210/177	83.3%	N/A	N/A	N/A	N/A	N/A	1 HP	Rear	4 - 5
		1.65	231/194	83.7% (4)	N/A	N/A	N/A	N/A	N/A	1 HP	Rear	4 - 5
		1.75	245/205	83.7% (4)	N/A	N/A	N/A	N/A	N/A	1 HP	Rear	4 - 5
		2.00	280/237	84.6% (4)	N/A	N/A	N/A	N/A	N/A	1 HP	Rear	4 - 5
	BFL100 BFL120	0.75	105/88	83.8%	85.6%	86.4%	N/A	1/2 HP (3)	N/A	1/3 HP (9)	Front	2.5 - 4 (2,3)
		0.85	119/100	83.6%	85.3%	85.4%	N/A	1/2 HP (3)	N/A	1/3 HP (9)	Front	2.5 - 4 (2,3)
		1.00	140/114	83.0%	N/A	83.7%	N/A	1/2 HP (3)	N/A	1/3 HP (9)	Front	2.5 - 4 (2,3)
	BFL145	1.10	154/128	82.1%	N/A	N/A	N/A	1/2 HP (3)	N/A	1/2 HP (9)	Front	2.5 - 4 (2,3)
		1.20	168/139	81.6%	N/A	N/A	N/A	1/2 HP (3)	N/A	1/2 HP (9)	Front	2.5 - 4 (2,3)
	BML(V)80	0.50	70/59	84.0%	86.4%	85.6%	87.2%	1/2 HP	1/2 HP	1/2 HP (9)	Rear	2 - 3.5 (2)
		0.65	91/76	84.0%	85.2%	84.3%	86.1%	1/2 HP	1/2 HP	1/2 HP (9)	Rear	2 - 3.5 (2)
		0.75	105/85	82.8%	83.0%	83.8%	84.7%	1/2 HP	1/2 HP	1/2 HP (9)	Rear	2 - 3.5 (2)
High Boy Models	HML(V)80	0.50	70/59	83.1%	86.3%	N/A	86.7%	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
		0.55	77/65 (7)	N/A	N/A	84.6%	N/A	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
		0.65	91/76	83.3%	85.2%	83.9%	85.4%	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
		0.75	105/85	81.4%	83.2%	83.3%	84.5%	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
	HTL(V)115 HTL120	0.85	119/96	78.5%	N/A	N/A	N/A	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
		0.75	105/84	83.4%	86.5%	N/A	N/A	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
		0.85	119/101	84.0%	85.3%	N/A	N/A	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
		0.95	133/113 (6)	N/A	84.1%	N/A	N/A	1/2 HP	1/2 HP	N/A	Front	2 - 3.5 (2)
Multi-Pos Horizontal/ Down-Flo Models	WML(V)80	1.00	140/117	83.0%	N/A	N/A	N/A	1/2 HP	N/A	N/A	Front	2 - 3.5 (2)
		0.50	70/59	83.3%	N/A	N/A	N/A	1/2 HP	1/2 HP	N/A	Front	2 - 3 (2)
		0.51	71/61 (8)	N/A	85.2%	N/A	86.8%	1/2 HP	1/2 HP	N/A	Front	2 - 3 (2)
		0.55	77/63 (7)	N/A	N/A	84.1%	N/A	1/2 HP	1/2 HP	N/A	Front	2 - 3 (2)
		0.65	91/76	82.4%	83.3%	83.6%	86.1%	1/2 HP	1/2 HP	N/A	Front	2 - 3 (2)
	MPL 120	0.75	105/86	81.5%	83.4%	83.6%	84.6%	1/2 HP	1/2 HP	N/A	Front	2 - 3 (2)
		0.75	105/90	84.6%	86.6%	83.6%	N/A	3/4 HP	N/A	N/A	Front	3 - 3.5 (5)
		0.85	119/97	83.2%	83.7%	84.5%	N/A	3/4 HP	N/A	N/A	Front	3 - 3.5 (5)
		1.00	140/118	83.3%	83.8%	84.8%	N/A	3/4 HP	N/A	N/A	Front	3 - 3.5 (5)
		1.10	154/128	81.9%	83.0%	N/A	N/A	3/4 HP	N/A	N/A	Front	3 - 3.5 (5)

BOLD indicates factory equipped firing rate.

(1) Based on chimney vent models with Beckett burner unless otherwise noted. Riello and direct vent models will provide slightly more capacity due to higher efficiency.

(2) Based on standard 1/2 HP PSC direct drive motor and 400 CFM per Ton air flow.

(3) 3.5-5 Tons with optional 1 HP direct drive motor. Available only with Beckett equipped chimney vent models.

(4) Thermal Efficiency (not AFUE) for furnaces over 225 MBH Input.

(5) Based on standard 3/4 HP PSC direct drive blower and 400 CFM per Ton air flow.

(6) Riello equipped model HTL(V)115.

(7) Direct vent model with Beckett burner.

(8) Riello equipped model.

(9) Belt drive available only with Beckett equipped chimney vent models.

Dimensions/ Weights	Model		Cabinet			Plenum Opening		Flue Dia.	Weight
			Width	Depth	Height	Supply Air	Return Air		
	Low Boy	BML/BMLV	22"	51 1/2"	32"	20 1/2" x 19"	20 1/2" x 18 5/8"	5	240 lbs.
		BCL/BFL	22"	51 1/2"	41"	20 1/2" x 18 5/8"	20 1/2" x 18 5/8"	6	280 lbs.
		BCL 190/225	26"	49"	56"	24" x 22"	24" x 22"	7	390 lbs.
		Lowboy Dimensions Between Plenums: BML80 - 1-3/4", BCL100S - 1-3/4", BCL145 - 1-3/4", BCL190 - 1-3/4", BFL100 - 1-3/4", BFL145 - 1-3/4"							
	High Boy	HML/HMLV	22"	30 3/4"	49 5/8"	20 1/2" x 20"	14" x 22"	5	250 lbs.
		HTL/HTLV	22"	30 3/4"	58"	20 1/2" x 20"	14" x 22"	6	270 lbs.
	Multi Pos.	WML/WMLV	22"	22 1/8"	55 1/4"	18" x 18"	18" x 18"	5	265 lbs.
		MPL	22 1/4"	22 1/4"	62"	20 1/2" x 20 1/2"	18" x 18"	6	292 lbs.

Your Assurance of Quality

Olsen furnaces are designed, tested, and assembled to ensure that you get the very best in home heating comfort and value. Each furnace meets or exceeds all recognized safety, performance efficiency standards.



All ratings and specifications subject to change.

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