

Ultra **MAX III** High Efficiency

Maximum Performance
High-Efficiency
Gas Furnace

- **Designed & built in Canada to meet North America's most demanding heating requirements**
- **Easy to install and service**

95% AFUE



Olsen
Heating & Cooling Products

An ECR International Ltd. Brand

Ultra MAX III

Maximum Performance High-Efficiency Gas Furnace

The Olsen *UltraMAX III* gas furnace has been designed to deliver warmth, savings and peace-of-mind to families looking for maximum efficiency for every energy dollar they spend.

Olsen's 60 years of building top quality, reliable home comfort products continues as we design our products in response to customer requests for:

Safety: We focus on safety during research and development of all new products. The *UltraMAX III* features an overheat limit and blocked-vent shut-off as well as a main gas valve shut-off. In fact, *UltraMAX III* significantly exceeds all national safety requirements as set out by ANSI and each unit is factory tested before shipment to ensure proper functioning of all safety devices.

Reliability: Before we approve any component for use on the *UltraMAX III*, it has to pass extensive testing, often simulating over 20 years of normal operation. The results of this testing confirm that you can expect many years of worry-free operation from your Ultramax furnace, so we are happy to guarantee the heat exchanger for life and all other components for five years.

Compact Size: At just 36" high and less than 30" deep, the *UltraMAX III* fits into tight spaces, even closets, providing installation flexibility and ensuring maximum comfort. Clearances to combustibles are zero on all sides and rear and 2" in front.

Overall Comfort: *UltraMAX III* comes air conditioning ready and factory equipped with humidifier and electronic air cleaner connections. That, coupled with its 95% AFUE (Annual Fuel Utilization Efficiency), means that while you're comfortable inside your home, you'll also be comfortable knowing that your furnace is not costing you extra money in wasted fuel.

Olsen's **Limited Lifetime Warranty** is among the best in the industry! Every Olsen furnace comes with our guarantee to the original purchaser that the heat exchanger will be free from defects in materials and workmanship as long as you own the appliance...

... or we'll supply a replacement heat exchanger free of charge!



Our **Five-Year Parts Warranty** provides even more assurances. Olsen warrants to the original purchaser that any component (subject to the limitations set out in the actual warranty) of the furnace will be free from defects in materials and workmanship for a period of five full years...

... or we'll supply a replacement part free of charge!



Inside every Olsen furnace is an offer to the homeowner to purchase an extended labour warranty.



Features & Benefits

Olsen's *UltraMAX III* furnace is available in four firing rates to accommodate most domestic heating requirements.

Top left vertical exhaust

Vent pipe configurations up to 100' (equiv.) of 3" PVC or ABS pipe

Easy Installation/Maintenance

Compact insulated cabinet with brass thumbscrews that keep the door sealed while still allowing easy removal of front panels for access to burner and controls. Units are shipped air conditioning ready. Furnace is easily adapted for continuous slow speed operation and includes humidifier and electronic air cleaner connections.

Honeywell™ Smart Valve II

State-of-the-art microprocessor gas valve with diagnostic system provides precision operation and troubleshooting information, thereby saving time on service calls.

Induced Draft Fan

Combustion gases are vented safely and reliably by the state-of-the-art draft inducer featuring sealed ball-bearings which eliminate the need for oiling and have a longer life than the more common sleeve bearings.

Slide-out Blower

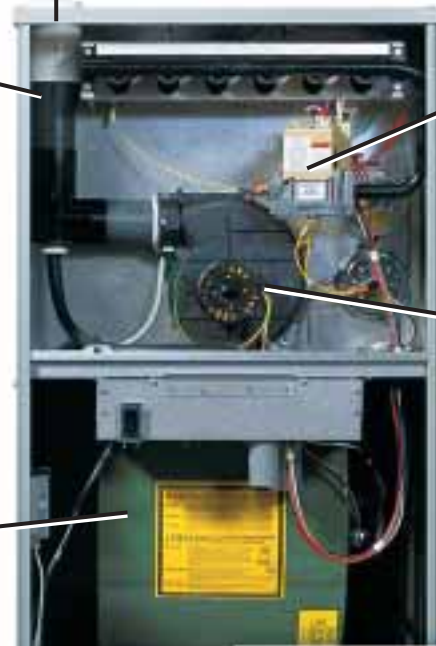
Slide out blower and control panel with plug-in electrical connectors make servicing the *UltraMAX III* fast and easy.

Aluminized Base

Aluminized steel base panel for corrosion resistance and ease of installation.

Secondary Heat Exchanger

Stainless steel recovery coil contributes to maximum efficiency by capturing the latent heat from the flue gas.



Tubular Heat Exchanger

Unlike smooth bend designs, the controlled wrinkle-bend design of our heat exchanger reduces thinning in the bends to provide longer lasting heat exchanger life.

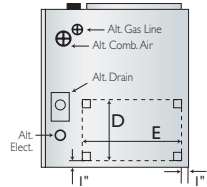
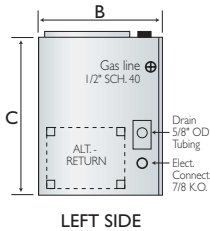
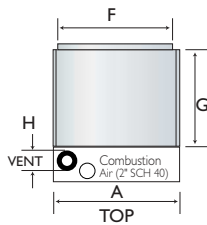


Added Flexibility

- right side, left side or bottom return air
- right or left side condensate drain
- right or left side electrical connection
- right or left side gas supply piping
- top, left or right side combustion air inlet connections

ECR International Ltd. - Olsen Division

Our mission is to ensure customer satisfaction through quality products and service. Quality is the responsibility of all our employees and is achieved through open communication and continuous improvement of processes, procedures, and skills of personnel. Quality is the foundation of our success.



NATURAL GAS/PROPANE UPFLOW SPECIFICATIONS

MODEL	Altitude	Input	Output	Main Blower	External Static Pressure			Cooling Capacity
					.20"	.50"	HP	Tons
GTH 50*	0-2000	50,000	47,000	12 - 7T	Med-Low	Med-High	1/2	1.5 - 3.0
	2000-4500	45,000	42,300	12 - 7T	Med-Low	Med-High	1/2	1.5 - 3.0
70*	0-2000	70,000	65,800	12 - 7T	Med-High	High	1/2	1.5 - 3.0
	2000-4500	63,000	59,200	12 - 7T	Med-High	High	1/2	1.5 - 3.0
85*	0-2000	85,000	80,750	12 - 10T	Med-Low	Med-High	3/4	1.5 - 4.0
	2000-4500	76,500	72,650	12 - 10T	Med-Low	Med-High	3/4	1.5 - 4.0
100*	0-2000	100,000	95,000	12 - 10T	Med-High	High	3/4	1.5 - 4.0
	2000-4500	90,000	85,500	12 - 10T	Med-High	High	3/4	1.5 - 4.0

* Indicates an ENERGY STAR® product.

DIMENSIONS (INCHES)

MODEL	Width	Depth	Height				
	A	B	C	D x E	F x G	Vent - H	Perm. Filter Size
GTH 50	17 1/2	29 1/4	36	15 x 23	16 1/2 x 20	2 or 3*	16 x 25
70	17 1/2	29 1/4	36	15 x 23	16 1/2 x 20	2 or 3*	16 x 25
85	21 1/4	29 1/4	36	15 x 23	20 x 20	3*	16 x 25
100	21 1/4	29 1/4	36	15 x 23	20 x 20	3*	16 x 25

* When using 3" vent, an increaser is required (unit vent outlet is 2" on all models).
Concentric vent kits available #29570 for GTH 50 & 70 and #29571 for GTH 85 & 100.

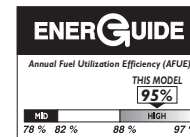
CLEARANCE TO COMBUSTIBLES (INCHES)

SURFACE	UPFLOW
TOP	1
FRONT	2
SIDES, BASE & REAR	0

GTH AIRFLOW DATA

MODEL	E.S.P. (In. w.c.)	AIRFLOW - CFM			
		LOW	MED-LOW	MED-HIGH	HIGH
GTH 50 70	0.20	505	772	1121	1328
	0.30	492	772	1109	1305
	0.40	478	763	1097	1259
	0.50	464	755	1060	1212
	0.60	450	723	1035	1162
GTH 85 100	0.20	1456	1633	1688	1792
	0.30	1413	1576	1633	1723
	0.40	1369	1517	1576	1651
	0.50	1301	1455	1496	1575
	0.60	1254	1391	1434	1516

Another top-quality gas furnace from a trusted name in heating for over 60 years.



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